



**TOWN of BROOKLINE**  
*Massachusetts*

**BUILDING DEPARTMENT**

Daniel Bennett  
Building Commissioner

TO: Selectboard/ School Committee

FROM: Ray Masak, PE Project Manager

SUBJECT: High School Expansion Project – Construction Management @ Risk (CM@R)  
Skanska Change Order –Guaranteed Maximum Price (GMP) Amendment/PCCO No.7

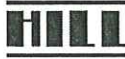
DATE: July 17, 2020

On the Calendar this week, the Building Department has submitted a request for Change Order/ Amendment Approval for the construction management firm Skanska to perform the following services in the amount of \$ 22,213,702:

- GMP Amendment- \$21,149,068; Final Procurement of Project
- PCCO No. 7- \$1,064,634; Schedule Update/ Extension – STEM Wing Unforeseen conditions; COVID Delay

The HS expansion project was awarded to the contractor Skanska which was based on their qualifications. Bid packages were prepared by the architect, William Rawn Associates and based on these documents, Skanska submitted pricing packages (18) which the Town approved. This package represents the final procurement of the project including a schedule extension. Refer to the Hill memo dated July 13, 2020 for further explanation of these services.

The Building Department will be available to answer any questions you may have. Thank you for your consideration.



# Hill International

Hill International, Inc.  
75 Second Avenue, Suite 300  
Needham, MA 02494  
Tel: 617-778-0900  
Fax: 617-778-0999  
www.hillintl.com

July 13, 2020

Mr. Ray Masak, P.E.  
Project Manager  
Town of Brookline Building Department  
333 Washington Street  
Brookline, MA 02445

RE: Recommendation to approve Skanska GMP Amendment

Dear Mr. Masak:

Under separate cover, Skanska USA Building Inc. is submitting original copies of FINAL GMP Amendment dated July 9, 2020 for the Expansion of Brookline High School Project for acceptance by the Town of Brookline. As of the end of February 2020, WRA, Hill, and the ToB received from Skanska various remaining Requests to Award (RTA) Subcontractor bid packages for review and comment or review and acceptance. Hill and WRA had reviewed each RTA package and provided coordinated comments as needed and were transmitted to Skanska for response. Specific attention and feedback was given regarding monies being ear-marked as HOLDs and ALLOWANCES in these RTA packages in order to better manage the overall project cost. Furthermore, RTA review meetings were held in March 2020 between WRA, Hill, and Skanska to discuss RTA's in much more detail. Skanska provided responses thereafter as well as bridge documentation as requested. Some of the RTAs were partially released in Pre-GMP Amendment #17r1. The balance of RTAs are now reflected in this FINAL GMP, including a few allowances for certain RTAs that were rejected and are being re-bid or further negotiated down in pricing; to be reconciled in the near future post-GMP.

Following is a timeline recap of the process between the original GMP and the Final GMP:

- **March 13, 2020** – Skanska submitted a GMP document for STEM, 22 Tappan (aka Cypress), MBTA Improvements, and Elevator Modernization projects. Hill considered it to be a draft because it was the first submission of a complete document for review. This GMP value was \$145,666,105 and represented Substantial Completion dates of April 27, 2021 for STEM, October 8, 2021 for Cypress and October 28, 2021 for MBTA Station Platform. However, this GMP did not include any costs or schedule impacts associated with COVID-19 because it was submitted just before the severity of the Pandemic became evident and the “Stay-at-Home” Government Orders began.
- **April 10, 2020** – After extensive review by Hill and WRA, including some ToB's input, we returned the GMP with 200+ comments/questions for Skanska to address. Skanska included approximately (78) Assumptions and Qualifications (A&Qs) in the GMP, some of which we commented that they were not acceptable as they attempted to further modify and change terms already agreed to in the Owner-CM agreement. We provided extensive comments on the General Conditions (GCs) and General Requirements (GRs) in the GMP which were significantly higher than their previous 60% estimate.

- **Between April thru June 2020** - Skanska responded incrementally (by GMP Exhibit Section comments) and Hill/WRA continued to review and correspond to each iteration during this period. The GMP sections that took the longest to reach agreement on are as follows:
  - GC/GRs – Skanska finally agreed on May 28, 2020 to a \$1.5M reduction in this section of the GMP.
  - A&Qs – in the Final GMP, Skanska agreed to completely delete 18 of the 78 original A&Qs, and reworded several others in order to be reasonable and acceptable.
  - COVID-19 Impacts qualification - Simultaneous to this GMP negotiation, Skanska had reached an agreement with neighboring Town of Belmont for specific COVID-19 related qualifications/allowance on their project. Skanska provided the same language for ToB review and consideration on this project/GMP. Hill reviewed the language with ToB on June 19<sup>th</sup> and appeared to be reasonable and acceptable approach to accounting separately for those costs. Skanska’s projection of \$616K was received on June 26<sup>th</sup>, which included additional costs for safety compliance protocols mandated by Government plus extended GCs for 22 Tappan St only for the schedule impact due to the MBTA’s suspension of operational support for diversions needed for the overbuild. Upon further review with ToB, Hill made a recommendation to defer COVID-19 related impact specifically relating to GCs until Fall 2020, ahead of November Town Meeting. A \$150K allowance for known on-going extra safety costs related to the Pandemic is included in the FINAL GMP.
  - Specification Division 1 – Skanska objected to certain terms in Division 1 as they said certain sections were not project-specific, included conflicting requirements (some didn’t align with the Owner-CM Agreement), etc. Therefore, Hill, WRA and Skanska went thru Skanska’s Division 1 comments over multiple meetings in order to agree to a modified Division 1 which Skanska attached as Exhibit K in the FINAL GMP.
  - FINAL GMP Schedule – the March 13<sup>th</sup> GMP submission had reflected Substantial Completion dates prior to COVID-19 impacts to 22 Tappan St and MBTA Station Platform. STEM experienced concurrent delays primarily from continued demolition and structural unforeseen conditions related to the Robert’s Wing final demo and underpinning requirements adjacent to the Cafeteria. The schedule impacts therefore pushed several exterior façade activities into the 2020-2021 winter season which were originally expected to occur during warmer months. After several iterations, included within this FINAL GMP Amendment Skanska has included PCCO #7 for mostly projected costs with additional GRs related to winter tarping and heat (use of propane tanks) on both projects, as well as some partial GCs related to STEM only:

|               | <b>Skanska's Substantial Completion Dates</b> |                                |                      |
|---------------|---|--------------------------------|----------------------|
|               | <b><u>3/13/20 GMP</u></b>                     | <b><u>7/9/20 FINAL GMP</u></b> | <b><u>Cause</u></b>  |
| STEM          | 4/27/2021                                     | 7/7/2021                       | 10-weeks; Unforeseen |
| 22 Tappan St. | 10/8/2021                                     | 11/15/2021                     | 5-weeks; COVID-19    |
| MBTA Station  | 10/28/2021                                    | 12/10/2021                     | 6-weeks; COVID-19    |

- **July 9, 2020** – Skanska’s revised FINAL GMP was received after nearly 4 months of negotiations during a prolonged, unpredictable and complicated situation related to COVID-19 and only after gaining some schedule impact clarity (specifically related to MBTA operational support that resumed in June 2020). The following table provides a financial recap comparison between the March GMP and the Final GMP:

|                            | <u>3/13/20 GMP</u> | <u>7/9/20 FINAL GMP</u> | <u>Variance</u> | <u>Notes</u>                                 |
|----------------------------|--------------------|-------------------------|-----------------|--|
| Direct Cost                | \$ 117,495,136     | \$ 117,328,428          | \$ (166,708)    |  |
| GR                         | \$ 7,485,663       | \$ 6,803,638            | \$ (682,025)    |  |
| 2.5% CM contingency        | \$ 2,843,025       | \$ 2,821,807            | \$ (21,218)     |  |
| GC                         | \$ 9,916,882       | \$ 9,154,000            | \$ (762,882)    |  |
| other mark-ups             | \$ 7,925,399       | \$ 7,888,010            | \$ (37,389)     |  |
| BASE GMP TOTAL             | \$ 145,666,105     | \$ 143,995,883          | \$ (1,670,222)  |  |
| Precon                     | \$ 476,928         | \$ 476,928              |                 |  |
| MBTA Precon                | \$ 70,512          | \$ 70,512               |                 |  |
| Owner Pandemic Allowance   | \$ -               | \$ 150,000              |                 |  |
| TOTAL                      | \$ 146,213,545     | \$ 144,693,323          | \$ (1,520,222)  |  |
| <u>CHANGE ORDERS</u>       |                    |                         |                 |  |
| PCCOs 1-6 (ARs)            | \$ 527,009         | \$ 527,009              |                 | (see Pre-GMPs 12b, 13b, 14b, 15b, 17b & 18b) |
| PCCO 7 schedule adjustment | \$ -               | \$ 1,064,634            |                 |  |
| TOTAL                      | \$ 146,740,554     | \$ 146,284,966          | \$ (455,588)    | *FINAL GMP Amendment                         |
| GMP CO 1/PCCO 8 (ARs)      | \$ 710,394         | \$ 710,394              |                 |  |
| TOTAL                      | \$ 147,450,948     | \$ 146,995,360          | \$ (455,588)    |  |

Based on the above, we recommend approval of this GMP Amendment.

Very truly yours,



Andy Felix, MCPPO  
Project Director

TOWN OF BROOKLINE

333 Washington Street, Brookline, Massachusetts 02445

PURCHASE ORDER CHANGE FORM

INVOICE DATE; 13-Jul-20

|     |   |
|-----|---|
| TO: | Skanska USA Building Inc<br>101 Seaport Boulevard, Suite 200<br>Boston MA 02210 |
|-----|---|

|                       |
|-----------------------|
| Purchase Order Number |
| 21911639              |

|               |
|---------------|
| Vendor Number |
| 55399         |

BUDGET 120,391,451.00  
BALANCE 123,230,037.08

| FUND | ORGANIZATION | ACTIVITY | OBJECT |
|------|--------------|----------|--------|
|      | 2594C204     |          | 6C0002 |

|                        |
|------------------------|
| PAYMENT AMOUNT         |
| <b>\$22,213,702.00</b> |

FOR: Brookline High School Expansion

| Amendment | Date      |   |
|-----------|-----------|---|
|           | 7/10/2020 | GMPAmendment/PCCO No. 007 - Schedule Update |

AMOUNT  
\$22,213,702.00

# AIA<sup>®</sup> Document G701<sup>™</sup> – 2017

## Change Order

|  |  |  |
|--|--|--|
| <b>PROJECT:</b> <i>(Name and address)</i><br>Expansion of Brookline High School,<br>(Project A and Project B)<br><br>Brookline, MA 02445   | <b>CONTRACT INFORMATION:</b><br>Contract For: Construction<br><br>Date: July 24, 2018  | <b>CHANGE ORDER INFORMATION:</b><br>Change Order Number: GMP<br>Amendment<br><br>Date: July 10, 2020                                   |
| <b>OWNER:</b> <i>(Name and address)</i><br>Town of Brookline, Massachusetts, by<br>and through the Board of Selectmen of<br>Brookline<br>333 Washington Street, Brookline, MA<br>02445 | <b>ARCHITECT:</b> <i>(Name and address)</i><br>William Rawn Associates Architects<br>Inc.<br><br>10 Post Office Square, Suite 1010,<br>Boston, Massachusetts 02109 | <b>CONTRACTOR:</b> <i>(Name and address)</i><br>Skanska USA Building Inc.<br><br>101 Seaport Boulevard, Suite 200,<br>Boston, MA 02210 |

### THE CONTRACT IS CHANGED AS FOLLOWS:

*(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)*

GMP Amendment: \$21,149,068

PCCO No. 007 – Schedule Update: \$1,064,634

This Change Order includes adjusted Contract Time and General Conditions / General Requirements costs only as outlined below:

STEM Wing Addition (“Stem”)

Revised interim completion date as described in enclosed Exhibit D (“Stem Interim Completion Date”).

General Conditions and General Requirements costs for the 10 week extension from April \_\_ through July 7, 2021 in the amount of \$1,016,524.00.

Excludes any Subcontractor costs or claims associated with the Stem Interim Completion Date, as those will be handled separately and on a case by case basis.

Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) associated with COVID-19 or other pandemics.

111 Cypress St

Revised Substantial Completion Date as described in enclosed Exhibit D.

Excludes Subcontractor costs or claims associated with the revised Substantial Completion Date, as those will be handled separately and on a case by case basis.

Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) in connection with the Revised Substantial Completion Date or with COVID-19 or other pandemics. The GMP includes an Owner’s Pandemic Allowance for those costs.

MBTA

Revised interim completion date as described in enclosed Exhibit D (“MBTA Interim Completion Date”).

Excludes Subcontractor costs or claims associated with the MBTA Interim Completion Date, as those will be handled separately and on a case by case basis.

Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) associated with COVID-19 or other pandemics. The GMP includes an Owner’s Pandemic Allowance for those costs.

Neither the adjustments to the Contract Price nor the Contract Time upon which this AR, CO, PCCO is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by the Pandemic (as defined in the GMP), as such cost adjustment to the Contract Sum and GMP shall be reconciled in accordance with the Owner Pandemic Allowance. Skanska further reserves all rights to request adjustment of the Contract Time as a result of the Pandemic Standards and in connection with this AR, CO, PCCO. Skanska will make every reasonable effort to provide the required documentation and notice in accordance with this Contract, however, Skanska may not be able to meet the contractual deadlines due to circumstances outside of Skanska’s control.

|  |                          |
|--|--------------------------|
| The original Contract Sum was  | \$ <u>476,928.00</u>     |
| The net change by previously authorized Change Orders                    | \$ <u>123,594,336.00</u> |
| The Contract Sum prior to this Change Order was                          | \$ <u>124,071,264.00</u> |
| The Contract Sum will be increased by this Change Order in the amount of | \$ <u>22,213,702.00</u>  |
| The new Contract Sum including this Change Order will be                 | \$ <u>146,284,966.00</u> |

The Contract Time will be modified by: \_\_\_\_\_ ( ) days  
The new date of Substantial Completion will be November 15, 2021, Refer to Enclosed Exhibit D

**NOTE:** This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

**NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.**

William Rawn Associates Architects Inc.

ARCHITECT *(Firm name)*



SIGNATURE

Andrew Jonic AIA, Senior Associate

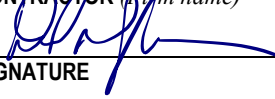
PRINTED NAME AND TITLE

July 13, 2020

DATE

Skanska USA Building Inc.

CONTRACTOR *(Firm name)*



SIGNATURE

Daniel P. Lanneville, Sr. VP

PRINTED NAME AND TITLE

July 14, 2020

DATE

Town of Brookline

OWNER *(Firm name)*

SIGNATURE

PRINTED NAME AND TITLE

DATE



**APPROVAL OF OWNER: TOWN OF BROOKLINE**

**Building Commission**

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Janet Fierman, Chairman

---

George Cole, Member

---

Kenneth Kaplan, Member

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Karen Breslawski, Member

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Nathan E. Peck, Member

**School Committee**

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Helen Charlupski, Member

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Suzanne Federspiel, Member

---

Jennifer Monopoli, Member

---

Barbara Scotto, Member

**Selectboard**

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Bernard W. Greene, Chair

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Benjamin J. Franco, Member

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Nancy S. Heller, Member

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Heather Hamilton, Member

---

Raul Fernandez, Member

---

Julie Schreiner-Oldham, Chair

---

Susan Wolf Ditkoff, Member

---

Michael Glover, Member

---

David Pearlman, Member

---

Sharon Abramowitz, Member

Confirmation of Availability of Funds:

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**Town Comptroller**



Town of Brookline

**Brookline High School Expansion Project | Project A and B**



**Guaranteed Maximum Price Submission**

**Submitted Date: March 13, 2020**

**Revision Number: 001**

**Date: July 10, 2020**

Date  
JULY 10, 2020

Reference  
Skanska Project No. 1318014 – Expansion & Renovation of Brookline High School (Project A and Project B) – **Guaranteed Maximum Price Submission – Revision 001**

Mr. Raymond Masak, Project Manager  
**TOWN OF BROOKLINE BUILDING DEPARTMENT**  
333 Washington Street, 3<sup>rd</sup> Floor  
Brookline, MA 02445

Dear Mr. Masak:

Skanska USA Building Inc. presents to you the attached Guaranteed Maximum Price Submission, Revision 001, for the construction of the Brookline High School Expansion Projects A and B as outlined in the enclosed documents and Exhibits. We recognize the challenge associated with the projected cost vs budget and current economic conditions, and we are pleased to offer this revision inclusive of significant reductions in the Construction Contingency, General Requirements and General Conditions.

Since our initial Guaranteed Maximum Price Submission on March 13, 2020 there have been both unforeseen and external impacts to the project schedule. Skanska has issued updates to the project schedule on a monthly basis since our initial submission forecasting revised completion dates. Following discussions and at the request of Hill International, we are resubmitting the GMP based on the construction schedules originally included in our March 13, 2020 submission. This will require that a Prime Contract Change Order for an adjustment to the Contract Schedule and Contract Price is approved concurrent with the GMP Amendment that is submitted by Skanska following approval of this Guaranteed Maximum Price by the Town.

Please do not hesitate to contact me with any questions.

Sincerely,

**SKANSKA USA BUILDING INC.**

*JIM CRAFT*

Jim Craft  
Project Executive

CC: Dan Lanneville, Peter Roche, Rob Mulligan, (Skanska USB)  
Andy Felix (Hill International)



### TABLE OF CONTENTS / EXHIBITS TO THIS AMENDMENT:

Pursuant to Article 6.1.2 of the Owner – Construction Manager Agreement dated July 24, 2018 and Article VII of the General Conditions of the Contract between the Town of Brookline, Massachusetts, by and through the Board of Selectmen of Brookline (Owner) and Skanska USA Building Inc. (Construction Manager), for construction of the Expansion of Brookline High School, (Project A and Project B) (the Project), the Owner and Construction Manager hereby establish the Guaranteed Maximum Price.

1. Cover Letter
2. Signature Pages
3. Exhibit A: Document List
4. Exhibit B: List of Allowances & Scope Holds
5. Exhibit C: Assumptions, Qualifications & Clarifications
6. Exhibit D: Contract Time
7. Exhibit E: Schedule of Values
8. Exhibit F: Schedule of Alternate Prices
9. Exhibit G: Schedule of Unit Prices
10. Exhibit H: Time Limit for Acceptance
11. Exhibit I: Owner Change Log Summary – Out of Scope Only
12. Exhibit J: Approved Prime Contract Change Orders
13. Exhibit K: Division 01 Specification Modifications
14. Exhibit GC: Construction General Conditions
15. Exhibit GR: Construction Requirements



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**SIGNATURE PAGES:**

This agreement is made as of the 14th day of July by and between the Town of Brookline and Skanska USA Building Inc.

|                                  |   |
|----------------------------------|---|
| <b>SKANSKA USA BUILDING INC.</b> |   |
| By:                              |  |
| Date:                            | <u>July 14, 2020</u>  |

Dan Lanneville, Senior Vice President / Account Manager



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**SIGNATURE PAGES:**

**APPROVAL OF OWNER: TOWN OF BROOKLINE**

**Building Commission**

\_\_\_\_\_  
Janet Fierman, Chairman

\_\_\_\_\_  
George Cole, Member

\_\_\_\_\_  
Kenneth Kaplan, Member

\_\_\_\_\_  
Karen Breslawski, Member

\_\_\_\_\_  
Nathan E. Peck, Member

**School Committee**

\_\_\_\_\_  
Helen Charlupski, Member

\_\_\_\_\_  
Suzanne Federspiel, Member

\_\_\_\_\_  
Jennifer Monopoli, Member

\_\_\_\_\_  
Barbara Scotto, Member

**Selectboard**

\_\_\_\_\_  
Bernard W. Greene, Chair

\_\_\_\_\_  
Benjamin J. Franco, Member

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Nancy S. Heller, Member

\_\_\_\_\_  
Heather Hamilton, Member

\_\_\_\_\_  
Raul Fernandez, Member

\_\_\_\_\_  
Julie Schreiner-Oldham, Chair

\_\_\_\_\_  
Susan Wolf Ditkoff, Member

\_\_\_\_\_  
Michael Glover, Member

\_\_\_\_\_  
David Pearlman, Member

\_\_\_\_\_  
Sharon Abramowitz, Member

Confirmation of Availability of Funds:

\_\_\_\_\_  
**Town Comptroller**



## EXHIBIT A: DOCUMENT LIST

Refer to Pre-GMP Amendments 1 to 18 for a comprehensive list of Drawings, Specifications and other Contract Documents that have previously been incorporated into the Owner – Construction Manager Agreement.

The enclosed Field Bulletin and Request For Information (RFI) Matrix identifies which bid package each Field Bulletin and RFI was incorporated into. All Field Bulletins and RFI's not listed on this matrix are not included in the GMP.



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT A: DOCUMENT LIST**

**PROJECT A: 111 CYPRESS STREET BULLETIN AND RFI MATRIX**

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020







Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT A: DOCUMENT LIST**

**PROJECT C: ENABLING BULLETIN AND RFI MATRIX**

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020



Brookline High School Expansion - Project C STEM Enabling  
Field Bulletin and RFI Matrix

| BID<br>PACK<br>NO. | SUB<br>OR<br>TRADE | DESCRIPTION                                    | Early Package 02<br>03/01/19 | Early Package 02<br>Addenda 1<br>03/13/19 | Early Package 02<br>Addenda 2<br>03/15/19 | Early Package 02<br>Addenda 3<br>3/22/19 | Early Package 02<br>Addenda 4<br>03/28/19 | RFI Nos. 1, 2, 3, 4, 5, 6,<br>7, 8, 9, 10, 12, 13, 14,<br>15, 16, 17, 18, 19, 20,<br>21, 22, 24, 26, 27, 29,<br>30 & 31 |
|--------------------|--------------------|--|------------------------------|---|---|--|---|---|
| BP-04B             | SUB                | Temp. Scaffolding & OH Protection - Enabling   | X                            | X   | X   | X  | X   | X   |
| BP-05B             | SUB                | Concrete - Enabling                            | X                            | X   | X   | X  | X   | X   |
| BP-06B             | TRADE              | Masonry - Enabling                             | X                            | X   | X   | X  | X   | X   |
| BP-07B             | TRADE              | Misc. Metals - Enabling                        | X                            | X   | X   | X  | X   | X   |
| BP-08B             | TRADE              | Waterproofing - Enabling                       | X                            | X   | X   | X  | X   | X   |
| BP-09B             | TRADE              | Roofing - Enabling                             | X                            | X   | X   | X  | X   | X   |
| BP-10B             | SUB                | Doors / Frames / Hardware - Enabling           | X                            | X   | X   | X  | X   | X   |
| BP-11B             | SUB                | Gypsum Wall Board / Carpentry / ACT - Enabling | X                            | X   | X   | X  | X   | X   |
| BP-12B             | SUB                | Flooring - Enabling                            | X                            | X   | X   | X  | X   | X   |
| BP-13B             | TRADE              | Paint - Enabling                               | X                            | X   | X   | X  | X   | X   |
| BP-14B             | TRADE              | Fire Protection - Enabling                     | X                            | X   | X   | X  | X   | X   |
| BP-15B             | TRADE              | Plumbing - Enabling                            | X                            | X   | X   | X  | X   | X   |
| BP-16B             | TRADE              | HVAC - Enabling                                | X                            | X   | X   | X  | X   | X   |
| BP-17B             | TRADE              | Electrical - Enabling                          | X                            | X   | X   | X  | X   | X   |
| BP-18B             | SUB                | Sitework - Enabling                            | X                            | X   | X   | X  | X   | X   |



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT A: DOCUMENT LIST**

**PROJECT C: STEM ADDITION BULLETIN AND RFI MATRIX**

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020

| BID PACK NO. | SUB OR TRADE | DESCRIPTION                                  | Early Package 01<br>01/04/19 | Early Package 01<br>Addendum<br>01/15/19 | Early Package 01<br>Addendum 02<br>01/22/19 | Early Package 02<br>03/01/19 | Early Package 02<br>Addendum 01<br>03/13/19 | Early Package 02<br>Addendum 02<br>03/15/19 | Early Package 02<br>Addendum 03<br>03/22/19 | Early Package 02<br>Addendum 04<br>03/28/19 | Early Package 02<br>Addendum 05<br>04/18/19 | Early Package 03<br>05/01/19 | Early Package 03<br>Addendum 01<br>05/17/19 | Early Package 03<br>Addendum 02<br>05/24/19 | Bulletin 001<br>06/06/19 | Bulletin 004<br>07/19/19 | Bulletin 005<br>100% CD Documents<br>08/01/19 | Bulletin 005.1<br>Trade Bid Addenda 01<br>08/01/19 | Bulletin 005.2<br>Trade Bid Addenda 02<br>08/01/19 | Bulletin 005.3<br>11/06/19 | Bulletin 005.4<br>12/30/19 | Bulletin 005.5<br>01/15/19 | Bulletin 008<br>08/09/19 | Bulletin 008.1<br>08/14/19 | Bulletin 022<br>10/11/19 | Bulletin 026<br>10/25/19 | Bulletin 027<br>11/18/19 | Bulletin 029<br>11/18/19 | Bulletin 037<br>12/20/19 | Bulletin 055<br>02/10/20 | Bulletin 071<br>03/17/20 | RFI 142<br>11/26/19 |  |  |  |  |
|--------------|--------------|--|------------------------------|--|---|------------------------------|---|---|---|---|---|------------------------------|---|---|--------------------------|--------------------------|---|--|--|----------------------------|----------------------------|----------------------------|--------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------|--|--|--|--|
| BP-01B       | SUB          | Precast Design Assist                        | x                            | x  | x   |                              |   |   |   |   |   |                              |   |   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-02B       | SUB          | Facade Design Assist                         | x                            | x  | x   |                              |   |   |   |   |   |                              |   |   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-03B       | SUB          | Demolition / Abatement                       |                              |  |   | x                            | x   | x   | x   | x   | x   |                              |   |   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-19B       | SUB          | Elevators - NEW                              |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-20B       | SUB          | Facade Furnish, Deliver and Install          |                              |  |   |                              |   |   |   |   |   | x                            |   |   | x                        |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-22B       | SUB          | Elevators - Modernization                    |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-23B       | SUB          | Structural Steel & Precast Erection          |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-24B       | SUB          | Sitework and Deep Foundations                |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-25B       | SUB          | Concrete - Foundations & Flatwork            |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-28B       | TRADE        | UG Waterproofing                             |                              |  |   |                              |   |   |   |   |   | x                            | x   | x   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-29B       | SUB          | Concrete - Site                              |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          |   |  |  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-30B       | TRADE        | Misc. and Ornamental Metals                  |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-31B       | TRADE        | Electrical / FA / Tele-Com                   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-32B       | TRADE        | HVAC   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-33B       | TRADE        | Plumbing                                     |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-34B       | TRADE        | Fire Protection                              |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-35B       | TRADE        | Masonry                                      |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-36B       | SUB          | Architectural Millwork / Casework            |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          | x                          | x                        |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-37B       | SUB          | Laboratory Casework / Fume Hoods / Equipment |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-38B       | TRADE        | Waterproofing / Joint Sealants               |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-39B       | SUB          | Fireproofing / Intumescent                   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-40B       | TRADE        | Roofing / Flashing                           |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-41B       | SUB          | Doors, Frames and Hardware                   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-42B       | SUB          | Overhead Doors and Fire Shutters             |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-43B       | TRADE        | Interior Glass and Glazing                   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-44B       | SUB          | Drywall                                      |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-45B       | TRADE        | Tile   |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          | x                        | x                        |                          |                          |                          |                          |                     |  |  |  |  |
| BP-46B       | TRADE        | Terrazzo                                     |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-47B       | TRADE        | Acoustic Ceilings                            |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-48B       | SUB          | Carpet                                       |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-50B       | TRADE        | Resilient Floor and Base                     |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-51B       | SUB          | Resinous Flooring                            |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-52B       | TRADE        | Painting (Paint and Sealed Floors)           |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-53B       | SUB          | Signage                                      |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          | x                        |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-54B       | SUB          | Building Specialties                         |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-55B       | SUB          | Window Treatments                            |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-56B       | SUB          | Kitchen / Food Service Equipment             |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-58B       | SUB          | Hardscape / Landscape                        |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-59B       | SUB          | Final Cleaning                               |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |
| BP-60B       | SUB          | Audio/Visual Systems                         |                              |  |   |                              |   |   |   |   |   |                              |   |   |                          |                          | x   | x  | x  |                            |                            |                            |                          |                            |                          |                          |                          |                          |                          |                          |                          |                     |  |  |  |  |



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT A: DOCUMENT LIST**

**PROJECT F: ELEVATOR MODERNIZATION BULLETIN AND RFI MATRIX**

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020



Brookline High School Expansion - Project F Deferred Maintenance  
Field Bulletin and RFI Matrix

| BID<br>PACK<br>NO. | SUB<br>OR<br>TRADE | DESCRIPTION               | Early Package 03<br>05/01/19 | Early Package 03<br>Addendum 01<br>05/17/19 | Early Package 03<br>Addendum 02<br>05/24/19 |
|--------------------|--------------------|---------------------------|------------------------------|---|---|
| BP-22B             | SUB                | Elevators - Modernization | x                            | x   | x   |



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT A: DOCUMENT LIST**

**MBTA OCS AND PLATFORM BULLETIN AND RFI MATRIX**

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020





**Brookline High School Expansion - MBTA  
Field Bulletin and RFI Matrix**

| BID PACK | SUB OR TRADE | DESCRIPTION                 | OCS & Enabling 100% Submission | OCS & Enabling 100% Submission Addenda 1 | RFI Nos. 1, 2, 3, 4, 5, 6, 7 & 8 | Brookline Hills 100% Platform Submission | Brookline Hills 100% Platform Submission Addenda 1 | Brookline Hills 100% Platform Submission Addenda 2 | RFI Nos. 18, 26, 27, 28, 29, 30 & 31 |
|----------|--------------|-----------------------------|--------------------------------|--|----------------------------------|--|--|--|--------------------------------------|
| MBTA     | SUB          | Skanska USA Civil Northeast | X                              | X  | X                                | X  | X  | X  | X                                    |

No Project H, MBTA, Field Bulletins are included in the GMP. Refer to change management reports for all Project H Field Bulletins



**EXHIBIT B: LIST OF ALLOWANCES AND EXPOSURE HOLDS**

Refer to Pre-GMP Amendments 1 to 18 for a comprehensive list of Owner Allowances and Exposure Holds that have previously been incorporated into the Owner – Construction Manager Agreement. The total value of previously approved Owner Allowances and Exposure Holds are as follows:

- 1. Project A: 111 Cypress St: \$ 2,031,375
- 2. Project C: Enabling: \$ 210,863
- 3. Project C: STEM Addition: \$ 1,601,354
- 4. Project F: Elevator Modernization: \$ 65,000
- 5. MBTA: OCS, Enabling and Platform: \$ 515,300

The below list of Owner Allowances and Exposure Holds have yet to be incorporated via Pre-GMP Amendment and therefore are included in the GMP submission:

- 1. Owner Pandemic Allowance \$ 150,000
- 2. General Conditions: \$ 0
- 3. General Requirements: \$ 1,275,075
- 4. Project A: 111 Cypress St: \$ 1,265,184
- 5. Project C: STEM Addition: \$ 570,600
- 6. MBTA: OCS, Enabling and Platform: \$ 0

Total of All Exposure Holds and Allowances:

- 1. Owner Pandemic Allowance \$ 150,000
- 2. General Conditions: \$ 0
- 3. General Requirements: \$ 1,275,075
- 4. Project A: 111 Cypress St: \$ 3,296,559
- 5. Project C: Enabling: \$ 210,863
- 6. Project C: STEM Addition: \$ 2,171,954
- 7. Project F: Elevator Modernization: \$ 65,000
- 8. MBTA: OCS, Enabling and Platform: \$ 515,300
  
- 9. Grand Total: \$ 7,684,751



**EXHIBIT B: LIST OF ALLOWANCES AND EXPOSURE HOLDS**

| <b>Owner Allowances:</b>                     |   |                |
|--|---|----------------|
| <b>Sub-Project</b>                           | <b>Description:</b>   | <b>Amount:</b> |
| <b>General</b>                               |   |                |
|  | Owner Pandemic Allowance  | \$150,000      |
|  | This Pandemic Allowance is added below the line in this GMP, all appropriate mark ups for insurance and bonding are included within the allowance amount except for fee as per the Pandemic Allowance language. |                |
| <b>General Conditions</b>                    |   |                |
|  | None  |                |
| <b>General Requirements</b>                  |   |                |
|  | Temporary and Permanent Utility Costs, consumptions, backcharges and connection fees  | \$450,000      |
|  | Progress Photos   | \$9,000        |
|  | Police Details (Cypress, STEM)  | \$574,950      |
|  | Cypress; Fire Impairment  | \$9,900        |
|  | Cypress; MBTA Line Protection   | \$54,000       |
|  | STEM; Fire Impairment   | \$27,225       |
|  | Street Sweeping   | \$100,000      |
|  | Temporary Humidification / De-humidification Allowance  | \$50,000       |
| <b>Project A: 111 Cypress</b>                |   |                |
| <b>Bid Package 14A: Site Concrete</b>        |   |                |
|  | All Site Concrete Scope, Furnished and Installed  | \$523,984      |
| <b>Bid Package 21A: Millwork</b>             |   |                |
|  | Modifications to Casework for MEP's   | \$18,000       |
| <b>Bid Package 22A: Lab Casework</b>         |   |                |
|  | Mobile Teacher Stations (qty. 8)  | \$18,500       |
| <b>Bid Package 46A: Landscape</b>            |   |                |
|  | Irrigation System Furnish and Install   | \$50,000       |
|  | install Irrigation Sleeves by Others  | \$7,500        |
|  | Irrigation Plumbing Service and Connections   | \$20,000       |
|  | Irrigation Electrical Service and Connections   | \$10,000       |
| <b>Bid Package 39A: Signage</b>              |   |                |
|  | Temporary Signage for AHJ Requests  | \$2,500        |
|  | Evacuation Maps in Classrooms   | \$10,000       |
| <b>Bid Package 40A: Building Specialties</b> |   |                |
|  | Installation of Ice Makers by Plumbers  | \$3,000        |
| <b>Bid Package 41A: Window Treatment</b>     |   |                |
|  | All window treatment scope, Furnished and Installed   | \$158,200      |
| <b>Bid Package 42A: Kitchen Equipment</b>    |   |                |
|  | Kitchen Equipment Signage   | \$2,500        |
|  | MEP Connections   | \$7,500        |
| <b>Bid Package 48A: Audio Visual</b>         |   |                |
|  | Alternate Projector   | \$15,000       |
| <b>Bid Package 49A: Operable Partition</b>   |   |                |
|  | Modifications of Support Steel  | \$5,000        |
| <b>Project C: STEM Addition</b>              |   |                |
| <b>Bid Package 29B: Site Concrete</b>        |   |                |
|  | All Site Concrete Scope, Furnished and Installed  | \$369,000      |
| <b>Bid Package 56B: Kitchen Equipment</b>    |   |                |
|  | Kitchen Equipment Signage   | \$2,500        |
| <b>Bid Package 58B: Landscape</b>            |   |                |
|  | Irrigation System Furnish and Install   | \$25,000       |
|  | Install Irrigation Sleeves by Others  | \$2,500        |
|  | Irrigation Electrical Service & Connections by Others   | \$10,000       |
| <b>Exposure Holds</b>                        |   |                |
| <b>Sub-Project</b>                           | <b>Description:</b>   | <b>Amount:</b> |
| <b>Project A: 111 Cypress</b>                |   |                |



**EXHIBIT B: LIST OF ALLOWANCES AND EXPOSURE HOLDS**

|  |  |          |
|--|--|----------|
| <b>Bid Package 21A: Millwork</b>                               |  |          |
| Protection   |  | \$50,000 |
| Off Hours Deliveries   |  | \$60,000 |
| Mock-up Room Support   |  | \$20,000 |
| Floor Flashing   |  | \$50,000 |
| <b>Bid Package 22A: Lab Casework</b>                           |  |          |
| Countertop Protection  |  | \$10,000 |
| <b>Bid Package 24A: Fireproofing</b>                           |  |          |
| SFRM Patching - Cementitious and Intumescent                   |  | \$50,000 |
| <b>Bid Package 26A: Doors, Frames, HDW</b>                     |  |          |
| Door & Frame Protection and Touch Up                           |  | \$25,000 |
| Temporary Doors and Frames                                     |  | \$10,000 |
| <b>Bid Package 27A: Fireproofing</b>                           |  |          |
| Final Electrical Coordination                                  |  | \$5,000  |
| Post Applied Anchor for Dock Bumpers                           |  | \$2,500  |
| <b>Bid Package 28A: Theatrical Draperies</b>                   |  |          |
| Protection of Finished Work                                    |  | \$5,000  |
| <b>Bid Package 34A: Carpet</b>                                 |  |          |
| Floor Protection   |  | \$7,500  |
| Leveling / Floor Preparation                                   |  | \$7,500  |
| <b>Bid Package 37A: Resinous Flooring</b>                      |  |          |
| Floor Protection   |  | \$5,000  |
| Ventilation  |  | \$5,000  |
| <b>Bid Package 40A: Building Specialties</b>                   |  |          |
| Receipt and Installation of AED's                              |  | \$1,000  |
| <b>Bid Package 42A: Kitchen Equipment</b>                      |  |          |
| Walk-in Cooler/Freezer Sub Floor Build Up                      |  | \$18,000 |
| Walk-in Cooler/Freezer Slab Depression Infill                  |  | \$10,000 |
| Floor Trough Mud-set Infill                                    |  | \$4,000  |
| <b>Bid Package 46A: Landscape</b>                              |  |          |
| Repair of Neighbor Planting/Fence                              |  | \$10,000 |
| <b>Bid Package 47A: Final Cleaning</b>                         |  |          |
| Post Punchlist Re-Cleaning                                     |  | \$58,000 |
| <b>Project C: STEM Addition</b>                                |  |          |
| <b>Bid Package 29B: Site Concrete</b>                          |  |          |
| Winter Conditions  |  | \$20,000 |
| <b>Bid Package 59B: Final Cleaning</b>                         |  |          |
| Post Punchlist Re-Cleaning                                     |  | \$34,000 |
| <b>Bid Package 36B: Architectural Millwork</b>                 |  |          |
| Off-hour Deliveries  |  | \$5,000  |
| Protection   |  | \$15,000 |
| Inwall Blocking, Drywall & Paint Touch up Bulletin 008 & 008.1 |  | \$5,000  |
| <b>Bid Package 37B: Lab Casework</b>                           |  |          |
| Off-hours Deliveries   |  | \$15,000 |
| Floor Flashing   |  | \$10,000 |
| Chem Lab 211 Mockup Support                                    |  | \$20,000 |
| Countertop Protection  |  | \$7,500  |
| Install Rubber Base at Deleted Wood Toekick                    |  | \$4,100  |
| <b>Bid Package 56B: Kitchen Equipment</b>                      |  |          |
| Walk-in Cooler & Freezer Sub Floor                             |  | \$9,000  |
| Walk-in Cooler & Freezer Slab Depression Concrete Infill       |  | \$5,000  |
| Floor Trough Mudset Infill                                     |  | \$2,000  |
| Selective Premium Time   |  | \$10,000 |

**EXHIBIT C: ASSUMPTIONS, QUALIFICATIONS & CLARIFICATIONS**

**Refer to Pre-GMP Amendments 1 to 18 for a comprehensive list of Assumptions, Qualifications & Clarifications that have previously been incorporated into the Owner – Construction Manager Agreement.**

**General Assumptions, Qualifications and Exclusions**

1. This Guaranteed Maximum Price Submission (GMP) is proposed for Project A: 111 Cypress St, Project C: STEM Addition and MBTA OCS, Enabling and Platform Work, and portions of the Elevator Modernization as noted below in line item 2.
2. This GMP does not include any work associated with Project B: Tappan Gym, Project D: 3<sup>rd</sup> Floor Renovation, Project E: Streetscapes or Project F: Deferred Maintenance, with the exception of the elevator modernization work. We have included the value of RTA 24B for the elevator refurbishment Subcontract, but have not included the costs associated with other Trade Contract and Subcontract work required to perform the elevator refurbishment work. That scope was issued by the design team in Field Bulletin 057 and the projected cost for that work is carried in the change management value that is not included in the GMP.
3. Deleted
4. The GMP includes all items approved in Pre-GMP Amendments 1 thru 11 and 12a, 12b, 13a, 13b, 14a, 14b, 15a, 15b, 16a, 16b, 17a, 17b, 18a and 18b, including, but not limited to; document lists, bid package values, exposure holds, allowances, qualifications, alternates, unit prices, etc. .
5. . Division 01 Specifications
  - a. Refer to Exhibit K Division 01 Specification Modifications, redlined and prepared by Hill International for agreed upon modifications to the Division 01 specifications for both the Project C – STEM Wing Addition (“Stem”) and Project A – Cypress Building (“Cypress”) projects, based on a collaborative review and agreement by Hill, Skanska and WRA.
  - b. The agreed upon modifications to the Division 01 Specifications are based on the Project C – STEM Wing Addition Early Package # 2 specification book as modified and issued with Revision: FB-005 – GMP Bid Set – August 1, 2019.
  - c. The agreed upon modifications assumed that the Division 01 Specifications for Project C – STEM Wing Addition GMP Bid Set are identical to the Division 01 Specifications for Project A – Cypress Building Field Bulletin # 9 – GMP Bid Set. In the case there are discrepancies between the two, the Project C – STEM wing specifications shall prevail.
  - d. Cost and Manpower Loading has not been included. As agreed, a manpower resource curve will be provided if the team feels the onsite project manpower is insufficient to complete the project by substantial completion.
6. The GMP does not include costs associated with Town of Brookline building department fees and other building department fees.
7. This GMP includes, as set forth below, an initial allowance of \$150,000 for compensation to the Construction Manager (“CM”) for certain costs the Construction Manager incurs as a result of the COVID-19 pandemic, future epidemics or pandemics (collectively, “Pandemic”), and governmental

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orders and potential governmental orders associated with the same related to costs due to resulting delays, suspension(s), and material or equipment delays or shortages as further described below ("Pandemic Allowance").

This Pandemic Allowance shall be utilized to compensate the Construction Manager for the below-described costs ("Pandemic Costs"), including appropriate markups for increased insurance and bonding (but excluding Fee, which shall not be applied to any Pandemic Costs); provided that, only Pandemic Costs reasonably necessary for compliance with recommended Pandemic safety practices for the Project issued by local, state or federal law, regulations, or Pandemic-specific safety guidelines, including guidelines issued by the CDC or WHO, or other guidelines, if any, that the Owner and Construction Manager agree are in the best interest of the safety of personnel in or around the Project ("Pandemic Standards").

Construction Manager shall timely identify and submit to Owner any updates to the Pandemic Standards after this GMP Amendment has been executed.

The parties agree that long-term forecasting of the costs and impacts of the COVID-19 Pandemic is speculative. Therefore, the Pandemic Allowance shall include Pandemic Costs incurred through the execution of the GMP and shall also be based on a cost projection for the three (3) months following the date of acceptance of the GMP. Should the parties not agree to mutually agreeable terms within the first two week review period or any subsequent two week review periods as needed, the Owner-CM Agreement shall be automatically terminated. The CM shall be paid for its termination costs in accordance with Article XVII Paragraph 2 of the General Conditions of the Agreement and the CM shall not be liable for any Damages that result from said termination.

The Pandemic Costs shall include:

- i) General Requirements ("GR's")/Direct Costs. Additional Direct Costs of complying with the requirements of applicable Pandemic Standards, such as cleaning and testing supplies for the necessary sanitizing of equipment, materials and the jobsite, Anti-microbial surface protection chemicals and associated testing procedures for micro-organisms; constructing additional access for social distancing; supplying PPE (including face masks, face covers or face shields); additional Portojohns and daily cleaning of the Portojohns as required by Pandemic Standards; hand washing stations (including hand sanitizers), Pandemic signage and banners, and no contact thermometers; additional tools or equipment required to perform the Work in compliance with Pandemic Standards; and related labor and carpentry work necessary to install, manage, and maintain these Pandemic Standards.
- ii) General Conditions Costs. Additional General Conditions costs for CM Staffing (project management and supervision), but only to the extent such staffing is required to manage and monitor Pandemic Standards (including enforcing and collecting Self Certification

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paperwork, Temperature Checking/Health Screening, Social Distancing monitoring, suspected/actual case tracking, revised logistics/sequencing planning, shift work supervision and planning, daily reporting and other similar management and supervision efforts as needed) (collectively "Additional Efforts"). The Construction Manager shall endeavor to utilize its current staffing for these Additional Efforts within normal operating hours if possible. The staffing needs and projections for these Additional Efforts shall be reviewed with all other additional costs for each forecast period pursuant to paragraph (e) below.

- iii) Schedule Delay Costs. The Contract Time shall be extended on a day-for-day basis for any schedule impacts attributable to the Pandemic as reasonably demonstrated by the Construction Manager ("Pandemic Delay"), less any Contract Time due to any concurrent impacts unrelated to the Pandemic. In addition, the Construction Manager shall be entitled to recover its extended General Requirements and General Conditions costs for a Pandemic Delay. Extended General Conditions costs shall be based on the staffing engaged during the period of Pandemic Delay. Extended General Requirements costs, such as general labor/cleaning/carpentry, office/storage trailer and equipment rentals, police details, portojohn rentals and other time dependent GR's, shall be based on an average monthly cost of the actual GR's utilized on site during the period of Pandemic Delay. As a condition of CM's right to recover, all such costs shall be reasonably substantiated in accordance with the requirements of the Contract Documents.
- iv) Procedure for Payments. In accordance with the currently established Allowance process, the tracking of costs, approvals and distribution of payments requested through the Pandemic Allowance shall include a weekly review of Pandemic Allowance costs to maintain alignment on scope performed as Work progresses. Owner approval of proposed Change Orders to reconcile Pandemic Allowance funds shall be performed monthly. The CM shall furnish the Owner with a written breakdown of all reimbursable Pandemic Cost items for which the CM is requesting a Change Order from the Pandemic Allowance. Disbursement of all payments requested from the Pandemic Allowance shall be in accordance with the Payment Application process, except as otherwise provided herein.
- v) Subsequent Increased Pandemic Allowance (if Necessary). The Parties shall promptly and mutually agree to adjust the Pandemic Allowance based on a revised forecasted budget at the end of the three month period and subsequent time periods as follows: Two weeks prior to the end of the first three month Pandemic Allowance projection period, Owner and Construction Manager shall negotiate in good faith an updated Pandemic Allowance

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to be completed prior to the end of the current Pandemic Allowance period. The updated Pandemic Allowance shall be reconciled based on then current knowledge. The new time period projection shall be applicable to a subsequent three-month period (or other period of time as mutually agreed by the parties). In the event changes in circumstances related to the Pandemic (resulting in the relaxation or removal of Pandemic Standards or changes in impacts from the Pandemic), the parties may mutually agree to suspend the funding of the Pandemic Allowance for the next three month period. Due to the fluid nature of the Pandemic, however, and in anticipation that the Pandemic may wane and surge throughout the term of the Project, the parties agree that the Pandemic Allowance shall remain accessible and available as a means of impact recovery as set forth in this Paragraph 7 for the duration of the Project whether or not the Parties agree to fund it for a particular period.

8. Overrun or underrun of allowance values shall be added to or subtracted from the GMP by Change Order, subject to ToB or OPM's approval.
9. Overrun or underrun of Scope (Exposure) Hold values shall be added to or subtracted from the Construction Manager's Contingency. Exposure hold expenditure approvals are not required prior to performing the associated work. However, final cost reconciliation will be made available with weekly cost logs
10. The GMP is based on the attached project schedules with data dates of February 10, 2020 . We understand the substantial completion date for Project A is not in alignment with the desires of the ToB. We will continue to work diligently and collaboratively over the coming months with the project team and subcontractors on additional options and opportunities in attempt to constructively accelerate the date for the ToB.
11. This GMP excludes LEED certification and Building Flush-Out and associated costs. Per ToB, the project will not be submitted to the USGBS for certification; instead, it will be designed as "certifiable".
12. This GMP assumes that compliance with all LEED requirements have been specifically included in the Contract Documents in the trade specific specification sections as required to obtain compliance. Should a product be listed in the trade specific specification section that conflicts with Division 01 Sustainable Design Requirements, we have included the product as identified in the trade specific specifications. Substitutions, if required to meet LEED criteria, are not included.
13. Deleted
14. Article V.1.A of the General Conditions of the Contract infers that costs associated with Designer and Owner inspection and verification of materials stored at off site locations for which progress payments will be requested shall be borne by the CM. We have assumed that photographic evidence provided by the subcontractor is acceptable in the place of travel to storage locations will be acceptable, and have not included any costs associated with Designer and Owner costs for inspections and verification unless specifically indicated per a specification section.
15. Deleted

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16. Deleted
17. Deleted.
18. Deleted
19. Pursuant to Article 4.4 of the Owner CM Agreement, we have assumed 1 GMP substantial completion (refer to exhibit D). . We will endeavor to achieve Final Completion in a diligent and expeditious manner and have included staffing in the LS GC's for 3 months after substantial completion.
20. Per Article VI Section 5 of the CM Agreement, we have included the definition of Substantial Completion as achieving a Temporary Certificate of Use and Occupancy for beneficial use. All remaining items shall be completed prior to Final Completion.
21. Deleted
22. Deleted
23. Article IV.19 of the General Conditions of the Contract states that the CM shall bear the cost of any sales tax that the CM incurs and the Owner shall not reimburse the CM for any such taxes. This article shall only apply to items that are in fact tax exempt that the CM does not obtain the benefit of such sales tax exemption and is not negligent in managing the process. The Owner acknowledges that the Department of Revenue Directive 02-16 requires that there are various goods that remain taxable even on a tax exempt project, and the Owner shall reimburse the CM for such taxes.
24. Per Article XVIII.10 "Notices"; we assume in the GMP that a formal letter attached to an email servers as notice to the ToB and it's OPM (Hill International) in lieu of a certified letter to the Town Hall.
25. Per Article, 5.12.2 the revised Organization Chart and updated General Conditions cost has been included in the GMP as Exhibit GC.
26. Deleted
27. Deleted
28. We have included a tracking list for tools and equipment purchased by the project for turnover at the completion of the Work if not consumed.
29. Deleted
30. This GMP is based upon Skanska providing General Liability and Workers Compensation coverage as a Contractor Controlled Insurance Program (CCIP) at 2.65% of the total project cost less fee, bond, and CCIP.
31. This GMP assumes that Construction Contingency can be used for the deductible on Builders Risk claims, if necessary.
32. This GMP assumes that Skanska will provide Subcontractor Default Insurance (SDI) coverage for Subcontractors at 1.35% of the Subcontract Value and individual P&P Bonds for each Trade Contract value.
33. Pursuant to Article VI 1 B we have not included 30 days of "float" in the schedule allocated exclusively for unanticipated delays and change order work. Additionally, the current float in the schedule is for the exclusive use of the CM.

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34. The GMP includes tracking MBE/WBE participation with a good faith efforts goal of 10.4%. We have not included an Equal Employment Opportunity (EEO) program, as it's our understanding this is not required.
35. Deleted.
36. All costs associated with labor, materials, resequencing, logistics, winter conditions, and GR's, will be funded from within the Owner Allowances when used.
37. It is assumed that the design will be code compliant, accepted by the appropriate agencies and other applicable parties including the Owner's lenders and insurers, and fit for the Owner's purpose.
38. Deleted
39. Deleted
40. Skanska schedule is predicated on proceeding with wiring in a temporary condition with a temporary roof and will be acceptable to the ToB.
41. Manned site security and temporary cameras are excluded.
42. Skanska reserves the right to seek ToB approval to work extended hours and weekends. It is presumed approval of these requests will not be unreasonably withheld.
43. This GMP includes an Owner Allowance for utility consumption and usage (i.e. electrical power, gas, chilled water, heating hot water, diesel fuel, kerosene, propane, etc.). Submetering at the STEM to be provided for electrical, if required per the specification. .
44. We have included moisture mitigation only where required per the specifications and as shown clearly on the drawings and plans.
45. We have not included a boiler watch for the use of permanent or temporary systems.
46. Factory Mutual criteria has not been considered or included in this GMP Proposal, it is our understanding this is not a project requirement.
47. We have included temporary offices only for the CM Staff only, as it's our understanding this is all that is required.
48. Vibration testing or deformation monitoring, etc. of abutting properties is excluded.
49. All Geotechnical monitoring services will be performed by the Owner's consultant for all Work.
50. Deleted
51. As agreed to with the Town of Brookline, third party, independent inspecting agency testing and inspection services are excluded. This GMP assumes all testing and inspections will be provided by the Owners testing agency.
52. As-builts will consist of WRA construction document architectural plans annotated to incorporate RFI's and Bulletin modifications in pdf format. MEPFp as-builts will include digital files and the coordination model in Navisworks by Skanska. Updating the project model for changes other than MEPFp shall be by others, if required. In addition, site utilities and spread footing as-builts will be provided in a pdf format by Skanska. As agreed, WRA will provide updated model at project completion.
53. Model asset management and systems O&M manuals added to the model have not been included in the GMP.

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54. We assume the building superstructure can accommodate the loads imposed by systems that fall under Design Delegation, Licensed Professional or Registered Engineer, that will need to be developed with the Subcontractor's. Any additional work required to reinforce the superstructure or further distribute or accommodate the loads shall be considered a change to the GMP. However, if the contract documents identify a specific (not generic) detail for a defined location for a kicker or stiffener, this would be included by the Subcontractor.
55. We exclude any special provisions for managing deflection or movement of the structures following erection, plumbing, bolt up and welding of the structures. Unless specifically noted otherwise in the Contract Documents, the CM will determine the construction sequence. It is presumed architectural tolerances of details as designed will allow for any anticipated movements or deflections that might occur as construction progresses and thereafter.
56. We have assumed loads imposed during construction for lifts, staging, etc. on the permanent structure will be provided by Skanska and reviewed by the EOR. We have not included an engineer for reviewing this.
57. We have assumed that Eversource will be able to provide power by 6/1/2020 for construction lighting, welders, pumps, mixers, heaters, etc. including building permanent systems to support equipment start-up dates for Cypress. Should temporary power be unavailable, the utility consumption allowance shall be used to rent a temporary generator.
58. Deleted
59. This GMP assumes unfettered access to working on the roofs, facades, canopies and interior work around the MBTA tracks without restrictions. As agreed, Skanska will provide Work Plans in a timely manner to the MBTA.
60. This GMP assumes the punchlist will be completed on a construction clean in lieu of a final clean. We have included final clean of the exterior curtain wall once prior to punchlist only. No additional cleaning of the exterior curtain wall is included.
61. The estimated costs for Skanska employed craft labor (Union Carpenters and Laborers) included in the General Requirements is based on an average hourly rate based on the current anticipated schedule for completion of the work. The actual rates invoiced will be based on the the labor rates that have been submitted to and approved by Hill International, and will be adjusted over time as the corresponding union wage agreements are adjusted.
62. The GMP is based upon temporary use of the permanent systems for temperature conditioning of spaces as required for interior construction and installation of finishes, if available. Temporary humidification or dehumidification of the buildings to meet product installation requirements has been included as an Owner Allowance.
63. We have not included building pressure testing (blower door test), as it is our understanding that it's not required.
64. We have included a 1-year warranty including any specified special warranties commencing at Substantial Completion. Skanska will provide a list of warranty contacts prior to Final Completion for the ToB to contact during this period for repairs and/or replacements.

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65. As directed during OAC meetings we have not included a bi-directional amplifier for the Cypress Building. All parties understand that execution of the Pre-GMP Amendments and GMP authorizes the CM to proceed with the work included
66. Deleted
67. This GMP does not include any design or estimating contingency.
68. This GMP does not include the furnishing, receiving, installing and/or protection of FF&E. Minor plastic covering for punchlist work is included.
69. Trade and Subcontractor parking is presumed to be in accordance with the ToB parking requirements. We have not included enforcement of any parking restrictions.
70. This GMP is based on Skanska trucking routes, logistics plans and fencing locations.
71. This GMP includes only the RFI's and Bulletins per the attached Exhibit.
72. As agreed, this GMP excludes all change orders, proposed change orders and cost events in the SKA change management system (except prior approved PCCO's) Refer to Exhibit I: Owner Change Log Summary – Out of Scope Only.
73. This GMP assumes we can continue to use the space behind Tappan Gym for Staff parking.
74. We have assumed craft labor steward support for 15 weekend building MBTA diversions, no MBTA Platform work.
75. With the exception of the steel and precast MBTA overbuild at the tracks (Level 2), and the curtain wall installation on the west elevation above the tracks, this GMP has assumed all work can be performed during normal workdays and hours. The Platform requires work to be done on Early Access nights, Diversion Weekends and limited day shifts and has been included as such.
  - a. If the Division 01 Specifications require better quality or greater quantity, the Owner-CM Agreement shall take precedence unless expressly agreed to by the Parties.

**MBTA Assumptions, Qualifications and Exclusions**

1. Deleted
2. We have not included an MBTA easement survey, based on recent meetings it's our understanding this will be performed by others.
3. We have not included any Cypress project delays or impacts associated with or caused by the MBTA due to phasing, work plan approvals, or lack of flagger support, etc. As agreed, work plans will be submitted to the MBTA.
4. The GMP does not include any costs associated with MBTA Force Account or other charges or fees. It is assumed that all costs for such will be paid by the Owner.

**Deferred Maintenance Assumptions, Qualifications and Exclusions**

1. The GMP includes the scope associated with the elevator refurbishment work only and as outlined in specification sections 142400, 144200 and 145500. All work by other trades required to support this scope of work such as demolition, structure, drywall cut and patch, flooring, painting, electrical, fire alarm, communications and security, & Deferred Bulletin 57 is excluded.

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**EXHIBIT C: ASSUMPTIONS, QUALIFICATIONS & CLARIFICATIONS****Bid Package Assumptions, Qualifications and Exclusions – Project A (Cypress)**

The following Assumptions and Qualifications represent the basis for the GMP value for the remaining Bid Packages that have not been included in Amendments 1 – 18. Bid Package qualifications should be considered the same as GMP qualifications unless otherwise noted, i.e. if an item is located within another bid package. RFI's and Bulletins or CCD's, and ASI's are included only as noted within each bid package and it's respective scope. Full scope of each RFI, Bulletin, CCD, ASI are not included in their entirety for complete scopes and will be addressed through the change order process.

**BP-14A Concrete - Site**

As requested we have included this as an Owner Allowance and will rebid.

**BP-21A Architectural Millwork / Casework**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA. Scope applicable to this trade shown in other bulletins and changes will be priced as part of a future change order.
2. This BP includes an Owner Allowance of \$18,000 for modifications due to casework being built around the MEPFP raceway at the perimeter of the building.
3. This BP includes an exposure hold of \$75,000 for countertop and casework protection.
4. This BP includes an exposure hold of \$60,000 for casework deliveries outside of 7AM to 3:30 PM.
5. This BP includes an exposure hold of \$20,000 for support work associated with the Level 1 C-129 classroom mock-up. This is intended to be used at Skanska's discretion for scope related to supporting the mock-up installation such as temporary protection and expediting the advancement of the room to support the installation of casework.
6. This BP includes an exposure hold of \$50,000 for floor flashing at long runs of base cabinetry where concrete floor was placed within specified tolerances.
7. This BP includes marker trays routed end to end per 5/A9-02-A however does not include the steel support for this marker tray as this work will be deleted in a future bulletin.

**BP-22A Laboratory Casework**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA.
2. This BP includes Bulletin FB 026, dated 12/3/19. Scope applicable to this trade shown in other bulletins and changes will be priced as part of a future change order.
3. This BP includes furnish and installation of all lab casework in the Physics rooms and Prep rooms on levels 3 and 4, and in the science room on ground level constructed to SEFA standards. Lab casework is to be provided with epoxy tops per the original specifications ILO Corian.

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4. This BP includes full flush overlay cabinets, per scope review by Rawn architects, in lieu of inset.
5. This BP includes furnish and installation of all lab casework in the Physics rooms and Prep rooms on levels 3 and 4, and in the science room on ground level constructed to SEFA standards. Lab casework is to be provided with epoxy tops per the original specifications ILO Corian.
6. This BP includes an Owner Allowance of \$18,500 for the eight (8) Mobile Teacher Stations. Stations are noted in the specifications however; plans and/or elevations have not been provided.

**BP-27A Overhead Doors and Dock Bumpers**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP includes an Exposure Hold of \$5,000 for the final electrical connections and controls to the powered overhead door.
3. This BP includes an Exposure Hold of \$2,500 to investigate reinforcing conflicts with post-applied anchors to the loading dock walls that receive the dock bumpers in lieu of cast-in-place as specified.

**BP-28A Theatrical Draperies**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP includes an Exposure Hold for \$5,000 for in-wall blocking or supplemental support for the drapery system.

**BP-34A Carpet**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. The BP includes, per the Architects direction, entrance walk-off mats in Vestibule C-045 and C-100, products from "Shaw Contract Path 5T034, in color "Sterling".
3. This BP does not include moisture mitigation as the specified materials suggest it's not required.
4. This BP includes an exposure hold of \$7,500 for flooring protection.
5. This BP includes an exposure hold of \$7,500 for floor leveling, flashing and preparation

**BP-37A Resinous Flooring**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP includes a vapor mitigation system that is integral to the resinous flooring application. As such, a stand-alone vapor mitigation coating as described in 096710-2.2 is not included and not required for the resinous flooring systems specified.

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3. This BP includes an exposure hold of \$5,000 for protection of the resinous flooring at the Garden level and the First Floor level.
4. This BP includes an exposure hold of \$5,000 for supplemental ventilation.
5. This BP includes alternates to the specified resinous flooring at the garden level and L1 servery. The Garden Level has been included as standard color urethane epoxy per RTA 042A alternate 19.1. Resinous flooring at the L1 servery has been included as Duraflex Quartz Frappe.

**BP-39A Signage**

1. The basis of this BP is the 100% IFE drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA.
2. This BP includes work from field bulletin #24, dated 12/10/19. Scope applicable to this trade shown in other bulletins and changes will be priced as part of a future change order.
3. This BP includes furnish and installation of three (3) exterior, handicap parking signs, post and sleeve.
4. This BP does not include any work with the exterior monument sign as this work is to be performed by the masonry trade contractor.
5. This BP excludes glass backers. These are not shown and were agreed not required per the de-scope meeting.
6. Sign Type 33 appears on the sign type list but is not shown on the drawings or identified on the schedule. As such, Sign Type 33 is excluded from this BP.
7. This BP includes a \$2,500 Owner Allowance for Skanska to provide and install temporary signage as a result of OCC and AHJ inspections.
8. This BP includes a \$10,000 Owner Allowance for Skanska to provide and install evacuation map signage in the classrooms.

**BP-40A Building Specialties**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA. Scope applicable to this trade shown in other bulletins and changes will be priced as part of a future change order.
2. This BP includes clarifications made in pre-bid RFI nos. 4.2, 4.3, 4.4, 4.5, 4.6, 4.11, 4.12, 4.61 and 4.62 and a copy of the responses is included as an attachment.
3. This BP includes furnish and installation of five (5) AED units per pre-bid RFI #4.2.
4. This BP includes an Owner Allowance of \$3,000 for installation of icemakers.
5. This BP includes an Exposure Hold of \$1,000 to receive and install the AEDs.

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**EXHIBIT C: ASSUMPTIONS, QUALIFICATIONS & CLARIFICATIONS****BP-41A Window Treatments**

This bid package in it's entirety is included as an Owner Allowance. The below qualifications form the basis of the allowance.

1. This allowance includes work contained in Field Bulletin Nos. 9, 9.1, 9.2, 9.3, and 9.4.
2. This allowance includes added window treatment in the "White Box" contained in Field Bulletin 027.
3. Deleted
4. Deleted
5. Deleted
6. This allowance includes 5% attic stock based on 5% of the total number of shades.
7. Deleted
8. This allowance is based on the Flexshade / Flexshade 2 system which is an alternate product then what is specified.
9. This allowance includes a value, in addition to the Subcontractor bid, for electrical and/or tele-com connections not show on the base building contract drawings buy may be required for the Flexshade / Flexshade 2 system. The Flexshade / Flexshade 2 system is a significant savings from the specified systems and was required to have a constructable and warrantable system. The Contract Drawings will need to be coordinated with the Flexshade / Flexshade 2 requirements to ensure power and tele-data is being provided at all areas required by this system.

**BP-42A Kitchen / Food Service Equipment**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP does not include installation or connections to Owner Furnished items.
3. This BP does not include appliances noted on A9-31-A and 11 31 00. These will be included within the Building Specialties package.
4. This BP includes an Owner Allowance of \$2,500 for additional signage that may be needed on, or around kitchen food service equipment being installed under this bid package.
5. This BP includes an Owner Allowance of \$7,500 to complete field connections with mechanical, electrical, plumbing and fire protection subcontractors related to kitchen food service equipment that haven't been accounted for in the Contract Documents.
6. This BP includes an Exposure Hold of \$18,000 to furnish and install a 2" sub-floor within the walk-in coolers and freezers as an underlayment to the resinous flooring.
7. This BP includes an Exposure Hold of \$10,000 to furnish and install the concrete fill around the walk-in coolers and freezers to secure the units within the slab depressions.

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8. This BP includes an Exposure Hold of \$4,000 to furnish and install a mud-set infill around the floor trough.

**BP-43A Stage / Theater Equipment and Seating**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA.
2. This BP includes an initial installation of one seating configuration only. Additional seating configuration set ups, installations and mobilizations called for in the specifications are not included.
3. The BP does not include furnish or delivery of attic stock.

**BP-46A Hardscape / Landscape**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/21/19, as issued by WRA.
2. This BP includes Field Bulletin no. 25, dated 12/9/19, and Field Bulletin no. 38, dated 1/13/20. Scope applicable to this trade shown in other bulletins and changes will be priced as part of a future change order.
3. This BP includes installation of the granite curb (and unreinforced concrete bed) beneath the Wood/Iron fence, only.
4. This BP includes the granite campus bench as detailed on 1/L-507-A. We have not included a wood top as noted on 1.9/L-101-A as none are detailed.
5. Per the 1/24/20 de-scope meeting with the Landscape Architect, the liquid biological amendments are not defined in the Contract Documents and will not be required. As such, this BP does not include liquid biological amendments for plantings.
6. This BP includes design services for the irrigation scope, and excludes furnish and install of the system. The furnish & install of the irrigation system has been included as a \$50,000 Owner Allowance as the contract documents identify Irrigation as a Design/Build package.
7. This BP includes a \$7,500 Owner Allowance for the installation of irrigation sleeves by the others
8. This BP includes a \$20,000 Owner Allowance for the relocation of existing plumbing equipment and for the installation of new plumbing equipment/materials to provide a fully functioning and coordinated Irrigation system that is not detailed on the contract documents.
9. This BP includes a \$10,000 Owner Allowance for Irrigation System electrical service and connections, as none are indicated on the Contract Drawings.
10. This BP includes an Exposure Hold of \$10,000 for repairs to the neighbor's plants / fence.

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**EXHIBIT C: ASSUMPTIONS, QUALIFICATIONS & CLARIFICATIONS****BP-47A Final Cleaning**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP assumes final cleaning will occur prior to the installation of Owner furnished furniture and equipment and excludes cleaning of these items.
3. This BP includes cleaning of the floors only and excludes waxing, as none was specified.
4. This BP excludes cleaning of exterior stone and brick in this BP, this work is to be performed by the mason.
5. This BP includes an Exposure Hold of \$58,000 to provide final cleaning after the completion of the punch list throughout the building.

**BP-48A Audio / Visual Systems**

1. The basis of this BP is the 100% GMP set drawings, field bulletins 9, 9.1, 9.2, 9.3 and 9.4 dated 10/11/19, as issued by WRA.
2. This BP excludes modifications to Owner furniture to interface with AV system.
3. This BP includes scope clarifications per pre-bid RFI no. 1 (attached).
4. This BP includes furnish and installation of projection screens.
5. This BP assumes the Owners representatives will perform any Owner software uploading that may need to get loaded onto the equipment.
6. This BP assumes the electrical and AV drawings have been fully coordinated by the design team. As such, we exclude any additional work to synchronize the two systems to ensure functionality of completed installations.
7. This BP include an Owner Allowance of \$15,000 for procurement of the alternate model projector.

**BP-49A Operable Partitions**

1. The BP includes Field Bulletin #9, 9.1, 9.2, 9.3, and 9.4.
2. This BP includes an operable partition with the specified STC rating. The BP does not include modifications to adjacent construction and finishes to continue this STC rating. It is assumed that adjacent construction and finishes have been designed with the appropriate STC ratings.
3. This BP includes an Owner Allowance of \$5,000 for modifications of the misc. metal and cold formed metal framing system to accept the operable partition

**Bid Package Assumptions, Qualifications and Exclusions – Project B (STEM)**

The following A's&Q's represent the basis for the GMP value for the remaining Bid Packages that have not been included in Amendments 1 –18. Bid Package qualifications should be considered the same as GMP

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qualifications unless otherwise noted, i.e. if an item is located within another bid package. RFI's and Bulletins or CCD's, and ASI's are included only as noted within each bid package and it's respective scope. Full scope of each RFI, Bulletin, CCD, ASI are not included in their entirety for complete scopes and will be addressed through the change order process.

**BP-29B Concrete – Site**

As requested we have included this as an Owner Allowance and will rebid.

**BP-36B Millwork**

1. This BP includes WRA Field Bulletins 005, 005.1, and 005.2 GMP Bid Set. Additionally, WRA Field Bulletins 008 and 008.1 have been included in this BP.
2. This BP includes Skanska Bid-Bulletins 01 which included a then-current copy of the PreBid RFI Matrix.
3. This BP excludes lab casework and Millwork counter scope on the Food Service drawings – see BP-37B and BP-56B.
4. This BP excludes full scale burn tests and materials testing.
5. This BP assumes storage shelving found on detail 6/A7-33-C is Owner provided and has not been included as a part of any STEM Wing bid package.
6. This BP includes a \$5,000 Exposure Hold for off-hours deliveries that will not be able to be coordinated during the regular working hours day due to the size and logistics of the site.
7. This BP includes a \$15,000 Exposure Hold for the furnish and install of protection to the finish millwork installations.
8. This BP includes a \$5,000 Exposure Hold for in-wall blocking, drywall, and paint touch ups to support scope added in Bulletin 008 and 008.1.

**BP-37B Laboratory Casework / Fume Hoods / Equipment**

1. The BP included the following Bulletins and RFIs beyond Field Bulletins 005, 005.1, 005.2 as part of their base bid pricing:
  - 1.1 Pre-Bid RFI Matrix dated 10/09/2019 (Bid Bulletin No. 2)
  - 1.2 Bulletin #037: VE Items and MLB-2 lab bench with cabinet
2. The BP includes the acceptance of voluntary deduct alternates proposed by NEIS. These have been applied to the revised subcontract amount identified in the cover page and later in the Summary Section.
  - 2.1 Provide hinged doors at all tall cabinets in lieu of the specified sliding hinged doors.
  - 2.2 Delete the wood toe kick at base cabinets. Costs to install a rubber base by the resilient

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flooring contractor are captured in exposure hold #5.

3. This BP includes an exposure hold of \$15,000 for the premium time associated with deliveries outside normal working hours.
4. This BP includes an exposure hold of \$10,000 for floor flashing at casework where the concrete slab specifications are met but to achieve level cabinets and counters floor flashing will be placed under shimmed areas.
5. This BP includes an exposure hold of \$20,000 for support work associated with the Level 2 Chem Lab 211 mockup. This is intended to be used at Skanska's direction for scope related to supporting the installation of finish materials in a building without weather-tight conditions. Examples include temporary weather protection and waterproofing, expediting the advancement of the exterior enclosure in this room, expediting the advancement of interior framing, drywall and MEP/Fps in the room.
6. This BP previously included a \$15,000 Exposure Hold for countertop protection. Hill has asked that this exposure hold be reduced to \$7,500 to protect and maintain the protection of the countertops and lab casework after installation but prior to punch list.
7. As a result of accepting NEIS's voluntary deduct alternate to delete the wood toekick, this revised BP includes an exposure hold of \$4,100 for the flooring contractor to furnish and install rubber base where highlighted on the attached drawings A10-01-C, A10-02-C, A10-03-C and A9-10-C.

**BP-55B Window Treatment**

1. This BP includes WRA Field Bulletin 005, 005.1, and 005.2 GMP Bid Set. This BP also includes WRA Field Bulletin 029 which deleted all of the R2 Blackout Shades as well as some R1 Exterior Window Shades.
2. This BP includes the recommendation of Walker Specialties. During the bidding period, Walker advised that there is a large savings to furnish and install Rollease Acmeda shades in lieu of the specified Hunter Douglas or MechoShade products. Walker has provided the attached product data and comparison matrix to the specified shades which has been reviewed and confirmed by WRA and the Town of Brookline.
3. This BP includes window treatments above doors at transom glazing only.
4. This BP includes shade headboxes and fascia covers as shown and per the contract documents.
5. The contract specifications, drawings, and details related to scope of work do not specify shade lengths or seam locations/layout. Therefore, this BP includes lengths and layout as determined by the product manufacturer.

**BP-56B Kitchen Equipment**

1. This BP includes WRA Field Bulletins 005, 005.1, and 005.2 GMP Bid Set. Additionally, WRA Field Bulletins 005.3 and 005.4 have been included in this BP.

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2. This BP includes Skanska Bid-Bulletins 01 which adds additional work to the bidders Exhibit A scope as well as a then-current copy of the PreBid RFI Matrix.
3. This BP includes Skanska Post Bid Bulletin 02 which clarifies that all support from the metal deck above within the building requires the use of Revel Lok RL3.5 hangers in conjunction with the acoustic metal deck scheduled to be installed by others.
4. This BP includes equipment ST-77 as specified. Further clarification is needed regarding the Disposer make and model as projects documents conflict.
5. This BP does not include removal or relocation of any existing Kitchen Equipment owned or operated by the Town of Brookline.
6. This BP does not include the Skanska recommendation to include a \$5,000 Owner Allowance for MEP-FP connections not shown on the contract documents that was rejected by the Town of Brookline in the initial review of this BP. Any required connections not shown on the contract documents will be submitted to the Town as an out-of-scope change.
7. This BP includes an Owner Allowance of \$2,500 for additional signage that may be needed on or around kitchen foodservice equipment being installed under this bid package. WRA has advised that additional signage may be needed, but has not provided scope.
8. This BP includes an Exposure Hold of \$9,000 to furnish and install a 2" subfloor within the walk-in cooler and freezer as an underlayment to the resinous flooring per detail 2 on FS-102-C. The Resinous Flooring subcontractor has provided the attached literature for Dur-A-Flex FlexLine Mortar which a compatible underlayment product to the finish floor. Skanska has confirmed the use of this product will not limit the warranty of the finish floor.
9. This BP includes an Exposure Hold of \$5,000 to furnish and install concrete fill around the walk-in cooler and freezer to secure the units within the slab depression per detail 2 on FS-102-C.
10. This BP includes an Exposure Hold of \$2,000 to furnish and install a mud-set infill within the Ice Machine floor trough per detail 3 on FS-102-C using Laticrete Mortar per the attached product literature.
11. This BP includes an Exposure Hold of \$10,000 for selective off-hours premium time to meet the schedule requirements based on the install logistics and anticipated manpower of other trades working within the kitchen space.

**BP-58B Landscaping**

1. This RTA includes WRA Field Bulletin 005, 005.1, and 005.2 GMP Bid Set.
2. This BP includes Skanska Bid Bulletin 01 dated December 11, 2019 which includes a then-current copy of the Pre-Bid RFI Matrix.
3. This BP includes furnishing and installing a ½" native crushed stone for the drip strip. Exotic stones have been excluded.

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4. This BP includes a qualification that plant materials substitutions may be required due to industry wide shortages. If applicable, substitution request forms shall be completed as a result of a legitimate shortage during the tagging process with the design team.
5. This BP includes design services for the irrigation scope, and excludes furnish and install of the system. The furnish & install of the irrigation system has been included as a \$25,000 Owner Allowance as the contract documents identify Irrigation as a Design/Build package. Much of the required information to begin the design process shall be coordinated with the Town per the design teams' response to PreBid RFI 058B.5.
6. This BP includes a \$2,500 Owner Allowance for the installation of irrigation sleeves by the others.
7. This BP includes a \$10,000 Owner Allowance for Irrigation System electrical service and connections not shown on the contract documents.
8. This BP does not include the Skanska recommendation to include a \$10,000 Owner Allowance for the relocation of existing plumbing equipment and for the installation of new plumbing equipment/materials to provide a fully functioning and coordinated Irrigation system that is not shown on the contract documents. Hill has asked that this allowance be removed, and agreed that plumbing additions or relocations should be submitted as an Owner Change Order thru the AR process.
9. This BP does not include the Skanska recommendation to include a \$10,000 Exposure Hold for Weather Related Premium Time in the event that off-hours work is required to complete the project as a result of weather-related delays. Should weather-related delays impact the project, Hill has recommended these delays be submitted as an Owner Change Order thru the AR process.

**BP-59B Final Cleaning**

1. This BP includes bids that were created using WRA Field Bulletins 005, 005.1, and 005.2 GMP Bid Set.
2. This BP assumes final cleaning operations will be complete before installation of Owner-furnished furniture and equipment, and excludes cleaning these items.
3. This BP includes cleaning requirements found in specification 011400 Work Restrictions only as a Final Cleaning specification has not been included or provided per Skanska PreBid RFI 059B.2.
4. This BP includes washing of floors only and excludes waxing as none was specified.
5. This BP includes Skanska Bid Bulletin 01 dated December 11, 2019 which includes a then-current copy of the Pre-Bid RFI Matrix for inclusion in bidder's proposals.
6. This BP includes a \$34,000 Skanska Exposure Hold to provide final cleaning after completion of the punch list throughout the building.

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**EXHIBIT C: ASSUMPTIONS, QUALIFICATIONS & CLARIFICATIONS****BP-60B Audio Visual**

1. This BP includes bids that were created using WRA Field Bulletins 005, 005.1, and 005.2 GMP Bid Set.
2. This BP includes a recommendation from Adtech that the ceiling and wall-mounted projectors be powered on a dedicated circuit to prevent damage to equipment from circuit overload that would not be covered under the warranty.
3. This BP excludes provisions for an in-place mock up per language provided in specification 014330 Mock-Ups.
4. This BP excludes modifications to existing Owner furniture to interface with the new AV system.
5. This BP excludes loading Owner software of any kind onto existing AV equipment or equipment scheduled to be installed in this bid package.
6. This BP assumes the electrical and AV drawings have been fully coordinated and excludes any additional work to synchronize the two systems to ensure functionality of completed installs.
7. This BP includes Skanska Bid Bulletin 01 which includes a copy of a then-current PreBid RFI Matrix. This BP also includes Skanska Post Bid Bulletins 01 & 02, inclusive of updated PreBid RFI Matrix as well as WRA Field Bulletin 005.4 and 005.5 respectively.

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Date: July 10, 2020



Town of Brookline

## Brookline High School Expansion Project | Project A and B

### EXHIBIT D: CONTRACT TIME

|  |                  |
|--|------------------|
| The Date of Substantial Completion for the Project prior to this Amendment is: | None             |
| This Amendment revises the Contract duration by (Calendar Days):               | None             |
| The revised Date of Substantial Completion is:                                 | October 8, 2021* |

\*

1. The above Date of Substantial Completion is based on Project A: 111 Cypress St. The anticipated interim project completion dates for other subprojects are outline below, but do not represent Substantial Completion Dates as outlined in the Owner – Construction Manager Agreement.
  - a. Project C - STEM Wing: April 27, 2021
  - b. MBTA Platform: December 29, 2021
2. Refer to attached Project Schedules
  - a. Project A: 111 Cypress St. Data Date: 10-Feb-20 / Run Date: 19-Feb-20
  - b. Project C: STEM Addition. Data Date: 10-Feb-20 / Run Date: 12-Feb-20



| Activity ID | Activity Name | Remaining Duration | Start | Finish | 2020 |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|-------------|---------------|--------------------|-------|--------|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|             |               |                    |       |        | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |

**Brookline High School - Project A - 10Feb20 R1 Schedule Update**

**Executive Summary**

|           |   |     |             |           |
|-----------|---|-----|-------------|-----------|
| EXEC-1065 | Bid Period                                    | 23  | 04-Mar-19 A | 12-Mar-20 |
| EXEC-1070 | Construction Project A - 111 Cypress Building | 418 | 24-Jun-19 A | 08-Oct-21 |

**Work Order Milestones**

|           |   |   |  |           |
|-----------|---|---|--|-----------|
| EXEC-1090 | Last Day for MBTA Utility Pole Removal                        | 0 |  | 09-Mar-20 |
| EXEC-1060 | Last Day for Tappan & Cypress Temporary Power Line Relocation | 0 |  | 10-Apr-20 |
| EXEC-1100 | Last Day for Cypress Building Permanent Power                 | 0 |  | 29-Jun-20 |
| EXEC-1110 | Last Day for Cypress Building New Gas Service                 | 0 |  | 29-Jun-20 |
| EXEC-1150 | Last Day for Cypress Building New Fire, Water & Sewer         | 0 |  | 29-Jun-20 |
| EXEC-1140 | Last Day for Cypress Building New Telecom Service             | 0 |  | 25-Aug-21 |

**BHS Academic Calendar**

|          |                                 |   |             |             |
|----------|---------------------------------|---|-------------|-------------|
| BHS-1020 | December Break - 2019           | 0 | 23-Dec-19 A | 01-Jan-20 A |
| BHS-1030 | February Break - 2020           | 5 | 17-Feb-20*  | 21-Feb-20*  |
| BHS-1040 | April Break - 2020              | 5 | 20-Apr-20*  | 24-Apr-20*  |
| BHS-1050 | Last Day of School - 2019/2020  | 0 |             | 22-Jun-20*  |
| BHS-1060 | First Day of School - 2020/2021 | 0 |             | 03-Sep-20*  |
| BHS-1070 | December Break - 2020           | 8 | 25-Dec-20*  | 01-Jan-21*  |
| BHS-1080 | February Break - 2021           | 5 | 15-Feb-21*  | 19-Feb-21*  |
| BHS-1090 | April Break - 2021              | 5 | 19-Apr-21*  | 23-Apr-21*  |
| BHS-1100 | Last Day of School - 2020/2021  | 0 |             | 22-Jun-21*  |
| BHS-1110 | First Day of School - 2021/2022 | 0 |             | 02-Sep-21*  |

**Design / Preconstruction Phase**

**MBTA Design Submissions**

|                      |   |    |             |           |
|----------------------|---|----|-------------|-----------|
| <b>Building</b>      |   |    |             |           |
| MBTA-1030            | MBTA Reviews - Building - 100% Design Submission      | 5  | 03-Jul-19 A | 14-Feb-20 |
| <b>MBTA Platform</b> |   |    |             |           |
| MBTA-1130            | MBTA Reviews - MBTA Platform - 100% Design Submission | 5  | 02-Jul-19 A | 14-Feb-20 |
| <b>GMP</b>           |   |    |             |           |
| PRE-1170             | Prepare & Submit - GMP                                | 14 | 03-Sep-19 A | 02-Mar-20 |
| PRE-1180             | Review & Execute - GMP                                | 15 | 03-Mar-20   | 23-Mar-20 |
| PRE-1190             | Agreement Executed - GMP                              | 0  |             | 23-Mar-20 |

**Schedule Impacts**

**OCS Foundation Redesign**

|          |  |   |             |             |
|----------|--|---|-------------|-------------|
| IMP-1232 | Impact - Review & Approve - Micro Piles          | 0 | 11-Dec-19 A | 27-Dec-19 A |
| IMP-1262 | Impact - Prepare & Submit - Micro Pile Load Test | 0 | 30-Dec-19 A | 06-Jan-20 A |
| IMP-1272 | Impact - Review & Approve - Micro Pile Load Test | 0 | 07-Jan-20 A | 10-Jan-20 A |
| IMP-1342 | Impact - Perform - Micro Pile Load Test          | 0 | 13-Jan-20 A | 16-Jan-20 A |
| IMP-1352 | Impact - Review & Accept - Micro Pile Load Test  | 0 | 17-Jan-20 A | 17-Jan-20 A |

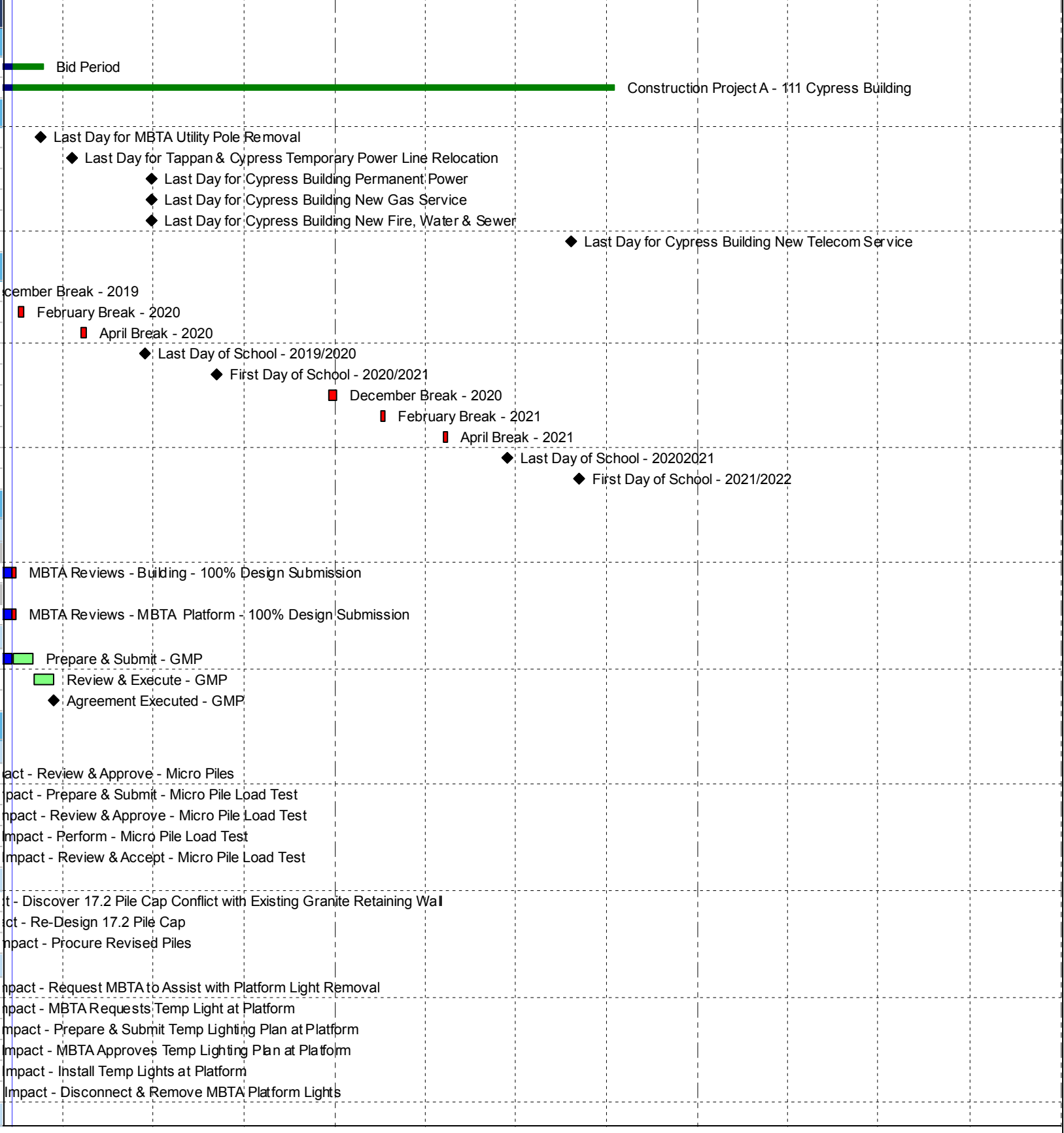
**17.2 Pile Cap Conflict with Existing Granite Retaining Wall**

|          |  |   |             |             |
|----------|--|---|-------------|-------------|
| IMP-1312 | Impact - Discover 17.2 Pile Cap Conflict with Existing Granite Retaining Wal | 0 | 14-Dec-19 A | 14-Dec-19 A |
| IMP-1322 | Impact - Re-Design 17.2 Pile Cap   | 0 | 16-Dec-19 A | 20-Dec-19 A |
| IMP-1332 | Impact - Procure Revised Piles   | 0 | 23-Dec-19 A | 10-Jan-20 A |

**MBTA Platform Lighting Removal**

|          |   |   |             |             |
|----------|---|---|-------------|-------------|
| IMP-1292 | Impact - Request MBTA to Assist with Platform Light Removal | 0 | 06-Dec-19 A | 09-Jan-20 A |
| IMP-1372 | Impact - MBTA Requests Temp Light at Platform               | 0 |             | 09-Jan-20 A |
| IMP-1382 | Impact - Prepare & Submit Temp Lighting Plan at Platform    | 0 | 10-Jan-20 A | 14-Jan-20 A |
| IMP-1392 | Impact - MBTA Approves Temp Lighting Plan at Platform       | 0 | 14-Jan-20 A | 16-Jan-20 A |
| IMP-1402 | Impact - Install Temp Lights at Platform                    | 0 | 16-Jan-20 A | 18-Jan-20 A |
| IMP-1302 | Impact - Disconnect & Remove MBTA Platform Lights           | 0 | 18-Jan-20 A | 20-Jan-20 A |

**MBTA Walkway Delays**



█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID   | Activity Name   | Remaining Duration | Start       | Finish      | 2020  |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|---|---|--------------------|-------------|-------------|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|   |   |                    |             |             | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
| IMP-1362  | Impact - Address Accessibility Issues & Open West Walkway                       | 0                  | 05-Dec-19 A | 01-Feb-20 A | Impact - Address Accessibility Issues & Open West Walkway                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Unforeseen Organic Soil at North Area</b>                    |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| IMP-1442  | Impact - Weather Impact Start of OCS Pile Caps                                  | 0                  | 25-Jan-20 A | 26-Jan-20 A | Impact - Weather Impact Start of OCS Pile Caps                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| IMP-1412  | Impact - Unforeseen Organic Soil at North Area                                  | 5                  | 30-Jan-20 A | 14-Feb-20   | Impact - Unforeseen Organic Soil at North Area                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| IMP-1422  | Impact - Install Added Mini Piles at North Area (Weekend Work)                  | 2                  | 15-Feb-20   | 16-Feb-20   | Impact - Install Added Mini Piles at North Area (Weekend Work)                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| IMP-1432  | Impact - Detail / Prep Mini Piles at North Area                                 | 2                  | 18-Feb-20   | 19-Feb-20   | Impact - Detail / Prep Mini Piles at North Area                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>FB-016 Curtain Wall Design Revision</b>                      |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| IMP-1452  | Impact - FB-016 Curtain Wall Design Revision                                    | 5                  | 13-Jan-20 A | 14-Feb-20   | Impact - FB-016 Curtain Wall Design Revision                                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MBTA Work</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Procurement</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MBTA Design Submission</b>                                   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>State or Local Permits</b>                                   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MBTA Platform</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-980  | Obtain State or Local Permits for MBTA Platform Work                            | 27                 | 02-Jul-19 A | 18-Mar-20   | Obtain State or Local Permits for MBTA Platform Work                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Procurement</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Prepare &amp; Submit - CWP - OCS &amp; Power (MBTA-1150)</b> |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1170   | Submit, Approve, Fab & Deliver - MBTA Work (Summary)                            | 0                  | 01-Mar-19 A | 20-Dec-19 A | Submit, Approve, Fab & Deliver - MBTA Work (Summary)                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Enabling &amp; OCS Procurement</b>                           |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Temporary Power and Re-Feed Plan</b>                         |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-720  | Prepare & Submit - Temporary Power and Re-Feed Plan_R0                          | 0                  | 10-Jun-19 A | 12-Dec-19 A | Prepare & Submit - Temporary Power and Re-Feed Plan_R0                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-730  | Review & Approve - Temporary Power and Re-Feed Plan_R0                          | 1                  | 13-Dec-19 A | 10-Feb-20   | Review & Approve - Temporary Power and Re-Feed Plan_R0                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-740  | Install Temporary Power & Re-feed WP#21 (Weekend Work)                          | 2                  | 15-Feb-20   | 16-Feb-20   | Install Temporary Power & Re-feed WP#21 (Weekend Work)                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-750  | Eversource De-energizes OH service to Pole                                      | 5                  | 18-Feb-20   | 24-Feb-20   | Eversource De-energizes OH service to Pole                                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>New OCS Foundation Rebar</b>                                 |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0190   | Prepare & Submit - Revised OCS Rebar  | 0                  | 17-Dec-19 A | 08-Jan-20 A | Prepare & Submit - Revised OCS Rebar  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0200   | Review & Approve - Revised OCS Rebar  | 0                  | 09-Jan-20 A | 30-Jan-20 A | Review & Approve - Revised OCS Rebar  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0310   | Fab & Deliver - Revised OCS Rebar   | 0                  | 24-Jan-20 A | 31-Jan-20 A | Fab & Deliver - Revised OCS Rebar   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>OCS Supports &amp; Brackets</b>                              |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0105   | Fab & Deliver - OCS Supports & Brackets   | 0                  | 15-Nov-19 A | 20-Dec-19 A | Fab & Deliver - OCS Supports & Brackets   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>New OCS Supports</b>   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-1070   | Prepare & Submit - Revised OCS Supports   | 0                  | 17-Dec-19 A | 08-Jan-20 A | Prepare & Submit - Revised OCS Supports   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-1080   | Review & Approve - Revised OCS Supports   | 0                  | 09-Jan-20 A | 15-Jan-20 A | Review & Approve - Revised OCS Supports   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-1090   | Fab & Deliver - Revised OCS Supports  | 6                  | 16-Jan-20 A | 18-Feb-20   | Fab & Deliver - Revised OCS Supports  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>OCS Cables</b>   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0120   | Fab & Deliver - OCS Cables  | 5                  | 30-Jul-19 A | 14-Feb-20   | Fab & Deliver - OCS Cables  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Bid and Award MBTA Platform</b>                              |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MBTA Platform</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1360   | Prepare and Submit RTA - MBTA Platform  | 0                  | 02-Dec-19 A | 12-Dec-19 A | Prepare and Submit RTA - MBTA Platform  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1370   | Approve RTA - MBTA Platform   | 0                  | 12-Dec-19 A | 13-Dec-19 A | Approve RTA - MBTA Platform   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0210   | Submitted to TOB for Vote - MBTA Platform (Assume Meeting on December 19, 2019) | 0                  | 17-Dec-19 A | 18-Dec-19 A | Submitted to TOB for Vote - MBTA Platform (Assume Meeting on December 19, 2019) |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>CWP MBTA Platform</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1280   | Submit, Approve, Fab & Deliver - MBTA Platform                                  | 176                | 07-Nov-19 A | 20-Oct-20   | Submit, Approve, Fab & Deliver - MBTA Platform                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1260   | Prepare & Submit - CWP MBTA Platform  | 5                  | 27-Dec-19 A | 24-Feb-20   | Prepare & Submit - CWP MBTA Platform  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MBTA-1265   | Review & Approve - CWP MBTA Platform  | 45                 | 25-Feb-20   | 28-Apr-20   | Review & Approve - CWP MBTA Platform  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MBTA Platform</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0215   | MBTA Platform - Issue Subcontracts for Procurement                              | 4                  | 19-Dec-19 A | 13-Feb-20   | MBTA Platform - Issue Subcontracts for Procurement                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Tactile Warning Strip</b>                                    |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-870  | Prepare & Submit - Tactile Warning Strip_R0                                     | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Tactile Warning Strip_R0                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-880  | Review & Approve - Tactile Warning Strip_R0                                     | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Tactile Warning Strip_R0                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-890  | Prepare & Submit - Tactile Warning Strip_R1                                     | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Tactile Warning Strip_R1                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-900  | Review & Approve - Tactile Warning Strip_R1                                     | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Tactile Warning Strip_R1                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-910  | Fab & Deliver - Tactile Warning Strip   | 20                 | 20-May-20   | 17-Jun-20   | Fab & Deliver - Tactile Warning Strip   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Helical Piles</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHA-0230   | Review & Approve - Helical Pile Design_R0                                       | 0                  | 09-Dec-19 A | 24-Dec-19 A | Review & Approve - Helical Pile Design_R0                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

■ Remaining Level of Effort     ■ Remaining Work  
■ Actual Level of Effort     ■ Critical Remaining Work  
■ Actual Work     ◆ Milestone



| Activity ID                           | Activity Name  | Remaining Duration | Start       | Finish      | 2020   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | 2021 |  |  |  |  |  |  |     |  |  |  |  | 2022 |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
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|                                       |  |                    |             |             | F  |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun  |  |  |  |  |  |  | Jul |  |  |  |  |      |  | A |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | D |  |  |  |  |  |  | Jan |  |  |  |  |  |  | F |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun |  |  |  |  |  |  | Jul |  |  |  |  |  |  | Aug |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | Dec |  |  |  |  |  |  |
|                                       |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0232                             | Prepare & Submit - Helical Pile Design_R1            | 0                  | 26-Dec-19 A | 21-Jan-20 A | Prepare & Submit - Helical Pile Design_R1            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0234                             | Review & Approve - Helical Pile Design_R1            | 0                  | 22-Jan-20 A | 05-Feb-20 A | Review & Approve - Helical Pile Design_R1            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0240                             | Fab & Deliver - Helical Piles                        | 20                 | 24-Jun-20   | 22-Jul-20   | Fab & Deliver - Helical Piles                        |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Helical Pile Test Program</b>      |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1040                             | Prepare & Submit - Helical Pile Test Program_R0      | 19                 | 19-Dec-19 A | 06-Mar-20   | Prepare & Submit - Helical Pile Test Program_R0      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1030                             | Review & Approve - Helical Pile Test Program_R0      | 20                 | 09-Mar-20   | 03-Apr-20   | Review & Approve - Helical Pile Test Program_R0      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1010                             | Prepare & Submit - Helical Pile Test Program_R1      | 5                  | 06-Apr-20   | 10-Apr-20   | Prepare & Submit - Helical Pile Test Program_R1      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1020                             | Review & Approve - Helical Pile Test Program_R1      | 20                 | 13-Apr-20   | 11-May-20   | Review & Approve - Helical Pile Test Program_R1      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1050                             | Fab & Deliver - Helical Pile Test Pile & Equipment   | 20                 | 12-May-20   | 09-Jun-20   | Fab & Deliver - Helical Pile Test Pile & Equipment   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-1060                             | Complete Test Pile and Reports                       | 10                 | 10-Jun-20   | 23-Jun-20   | Complete Test Pile and Reports                       |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Canopy Structures</b>              |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0250                             | Prepare & Submit - Canopy Structures_R0              | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Canopy Structures_R0              |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0260                             | Review & Approve - Canopy Structures_R0              | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Canopy Structures_R0              |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0262                             | Prepare & Submit - Canopy Structures_R1              | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Canopy Structures_R1              |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0264                             | Review & Approve - Canopy Structures_R1              | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Canopy Structures_R1              |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0270                             | Fab & Deliver - Canopy Structures                    | 85                 | 20-May-20   | 18-Sep-20   | Fab & Deliver - Canopy Structures                    |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Misc Metal Railings</b>            |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0280                             | Prepare & Submit - Misc Metal Railings_R0            | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Misc Metal Railings_R0            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0290                             | Review & Approve - Misc Metal Railings_R0            | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Misc Metal Railings_R0            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0292                             | Prepare & Submit - Misc Metal Railings_R1            | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Misc Metal Railings_R1            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0294                             | Review & Approve - Misc Metal Railings_R1            | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Misc Metal Railings_R1            |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0300                             | Fab & Deliver - Misc Metal Railings                  | 65                 | 20-May-20   | 20-Aug-20   | Fab & Deliver - Misc Metal Railings                  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Security Equipment</b>             |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0340                             | Prepare & Submit - Security Equipment_R0             | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Security Equipment_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0350                             | Review & Approve - Security Equipment_R0             | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Security Equipment_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0352                             | Prepare & Submit - Security Equipment_R1             | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Security Equipment_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0354                             | Review & Approve - Security Equipment_R1             | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Security Equipment_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0360                             | Fab & Deliver - Security Equipment                   | 65                 | 20-May-20   | 20-Aug-20   | Fab & Deliver - Security Equipment                   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>PA/VMS Equipment</b>               |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0370                             | Prepare & Submit - PA/VMS Equipment_R0               | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - PA/VMS Equipment_R0               |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0380                             | Review & Approve - PA/VMS Equipment_R0               | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - PA/VMS Equipment_R0               |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0382                             | Prepare & Submit - PA/VMS Equipment_R1               | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - PA/VMS Equipment_R1               |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0384                             | Review & Approve - PA/VMS Equipment_R1               | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - PA/VMS Equipment_R1               |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0390                             | Fab & Deliver - PA/VMS Equipment                     | 85                 | 20-May-20   | 18-Sep-20   | Fab & Deliver - PA/VMS Equipment                     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Slab Reinforcement</b>             |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0400                             | Prepare & Submit - Slab Reinforcement_R0             | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Slab Reinforcement_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0410                             | Review & Approve - Slab Reinforcement_R0             | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Slab Reinforcement_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0412                             | Prepare & Submit - Slab Reinforcement_R1             | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Slab Reinforcement_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0414                             | Review & Approve - Slab Reinforcement_R1             | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Slab Reinforcement_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0420                             | Fab & Deliver - Slab Reinforcement                   | 45                 | 20-May-20   | 23-Jul-20   | Fab & Deliver - Slab Reinforcement                   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Lighting Equipment</b>             |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0430                             | Prepare & Submit - Lighting Equipment_R0             | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Lighting Equipment_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0440                             | Review & Approve - Lighting Equipment_R0             | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Lighting Equipment_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0442                             | Prepare & Submit - Lighting Equipment_R1             | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Lighting Equipment_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0444                             | Review & Approve - Lighting Equipment_R1             | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Lighting Equipment_R1             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0450                             | Fab & Deliver - Lighting Equipment                   | 65                 | 20-May-20   | 20-Aug-20   | Fab & Deliver - Lighting Equipment                   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Permanent Rubber Rail Crossing</b> |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-920                              | Prepare & Submit - Permanent Rubber Rail Crossing_R0 | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Permanent Rubber Rail Crossing_R0 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-930                              | Review & Approve - Permanent Rubber Rail Crossing_R0 | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Permanent Rubber Rail Crossing_R0 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-950                              | Prepare & Submit - Permanent Rubber Rail Crossing_R1 | 5                  | 14-Apr-20   | 21-Apr-20   | Prepare & Submit - Permanent Rubber Rail Crossing_R1 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-960                              | Review & Approve - Permanent Rubber Rail Crossing_R1 | 20                 | 22-Apr-20   | 19-May-20   | Review & Approve - Permanent Rubber Rail Crossing_R1 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-940                              | Fab & Deliver - Permanent Rubber Rail Crossing       | 22                 | 20-May-20   | 19-Jun-20   | Fab & Deliver - Permanent Rubber Rail Crossing       |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Wayfinding Signage</b>             |  |                    |             |             |  |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0460                             | Prepare & Submit - Wayfinding Signage_R0             | 21                 | 14-Feb-20   | 16-Mar-20   | Prepare & Submit - Wayfinding Signage_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| BLHA-0470                             | Review & Approve - Wayfinding Signage_R0             | 20                 | 17-Mar-20   | 13-Apr-20   | Review & Approve - Wayfinding Signage_R0             |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start       | Finish      | Detailed Schedule   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
|--|---|--------------------|-------------|-------------|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|
|  |   |                    |             |             | 2020  |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |
|  |   |                    |             |             | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul |
| BLHA-0610  | Prepare & Submit - Wayfinding Signage_R1  | 5                  | 14-Apr-20   | 21-Apr-20   | █ Prepare & Submit - Wayfinding Signage_R1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHA-0620  | Review & Approve - Wayfinding Signage_R1  | 20                 | 22-Apr-20   | 19-May-20   | █ Review & Approve - Wayfinding Signage_R1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHA-0760  | Wayfinding Signage Mock-up  | 21                 | 20-May-20   | 18-Jun-20   | █ Wayfinding Signage Mock-up  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHA-0480  | Fab & Deliver - Wayfinding Signage  | 85                 | 19-Jun-20   | 20-Oct-20   | █ Fab & Deliver - Wayfinding Signage  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Construction</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| MBTA -1190   | Perform Phase 1 Work - Close Limits of Existing Platform/Temp Platform/Crossings/Relocate Fare Ticketing/Etc. | 29                 | 25-Sep-19 A | 20-Mar-20   | █ Perform Phase 1 Work - Close Limits of Existing Platform/Temp Platform/Crossings/Relocate Fare Ticketing/Etc. |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| MBTA -1200   | Perform Phase 2 Work - Modify OCS System (Weekend & Night Shutdowns)  | 24                 | 18-Jan-20 A | 13-Mar-20   | █ Perform Phase 2 Work - Modify OCS System (Weekend & Night Shutdowns)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Phase 1 - Close Limits of Existing Platform/Temp Platform/Crossings/Relocation of Furnishings</b> |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>General</b>   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0010  | Phase 1 - Install Service Duct Bank From Street and Complete Temp Work in School Lot                          | 0                  | 26-Sep-19 A | 17-Dec-19 A | Phase 1 - Install Service Duct Bank From Street and Complete Temp Work in School Lot                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0030  | Phase 1 - Install Buried Utilities in MBTA Parking Lot  | 0                  | 26-Sep-19 A | 10-Jan-20 A | Phase 1 - Install Buried Utilities in MBTA Parking Lot  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0020  | Phase 1 - Install Electrical Service from Street (BY EVERSOURCE)  | 3                  | 17-Dec-19 A | 12-Feb-20   | Phase 1 - Install Electrical Service from Street (BY EVERSOURCE)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0040  | Phase 1 - Cut-Over Temp. Fare Vending   | 0                  | 11-Jan-20 A | 11-Jan-20 A | Phase 1 - Cut-Over Temp. Fare Vending   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0070  | Phase 1 - Complete Duct Banks beneath Existing Walkway  | 1                  | 05-Feb-20 A | 10-Feb-20   | Phase 1 - Complete Duct Banks beneath Existing Walkway  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1010  | Phase 1 - Refeed Existing Platform Systems  | 34                 | 05-Feb-20 A | 27-Mar-20   | Phase 1 - Refeed Existing Platform Systems  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3210  | Phase 1 - Pave Platform & Center Walkway  | 1                  | 10-Feb-20   | 10-Feb-20   | Phase 1 - Pave Platform & Center Walkway  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3220  | Phase 1 - MBTA Approves Platform & Center Walkway   | 5                  | 11-Feb-20   | 18-Feb-20   | Phase 1 - MBTA Approves Platform & Center Walkway   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3230  | Phase 1 - Close East Walkway  | 1                  | 19-Feb-20   | 19-Feb-20   | Phase 1 - Close East Walkway  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0130  | Phase 1 - Remove Existing Pole & Wiring (Eversource)  | 10                 | 25-Feb-20   | 09-Mar-20   | Phase 1 - Remove Existing Pole & Wiring (Eversource)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0120  | Phase 1 - Install Buried Ductbanks below New Building   | 10                 | 03-Mar-20   | 16-Mar-20   | Phase 1 - Install Buried Ductbanks below New Building   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0065  | Install Hi-rail Temporary Gate and Fencing  | 5                  | 16-Mar-20*  | 20-Mar-20   | Phase 1 - Install Hi-rail Temporary Gate and Fencing  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3240  | Phase 1 - Pull Wire at Buried Ductbanks below New Building  | 5                  | 17-Mar-20   | 23-Mar-20   | Phase 1 - Pull Wire at Buried Ductbanks below New Building  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0050  | Phase 1 - Cut-Over Bungalows (Weekend)  | 2                  | 28-Mar-20   | 29-Mar-20   | Phase 1 - Cut-Over Bungalows (Weekend)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1020  | Phase 1 - Demo Asphalt Platforms & Furnishings  | 5                  | 30-Mar-20   | 03-Apr-20   | Phase 1 - Demo Asphalt Platforms & Furnishings  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Phase 2 - Modify OCS System (Weekend &amp; Night Shutdowns)</b>                                   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Construction</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0110  | Phase 2 - Install Micro Piles (Weekend 1)   | 0                  | 18-Jan-20 A | 19-Jan-20 A | Phase 2 - Install Micro Piles (Weekend 1)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3170  | Phase 2 - Install Micro Piles (Weekend 2)   | 0                  | 25-Jan-20 A | 26-Jan-20 A | Phase 2 - Install Micro Piles (Weekend 2)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3180  | Phase 2 - Install CIP Concrete Caps & Pedestals   | 5                  | 03-Feb-20 A | 20-Feb-20   | Phase 2 - Install CIP Concrete Caps & Pedestals   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3190  | Phase 2 - Install OCS Supports (Weekend 1)  | 3                  | 21-Feb-20   | 23-Feb-20   | Phase 2 - Install OCS Supports (Weekend 1)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0100  | MBTA Performs Interim Inspection of OCS/Enabling  | 0                  |             | 23-Feb-20   | ◆ MBTA Performs Interim Inspection of OCS/Enabling  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0080  | Phase 2 - Relocate Existing OCS Cable Bundles (Weekend 2)   | 3                  | 28-Feb-20   | 01-Mar-20   | Phase 2 - Relocate Existing OCS Cable Bundles (Weekend 2)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-3200  | Phase 2 - Relocate Existing OCS Contact Wires (Weekend 3)   | 3                  | 06-Mar-20   | 08-Mar-20   | Phase 2 - Relocate Existing OCS Contact Wires (Weekend 3)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0090  | Phase 2 - Remove Existing Portals & Foundations (Weekend 4)   | 3                  | 13-Mar-20   | 15-Mar-20   | Phase 2 - Remove Existing Portals & Foundations (Weekend 4)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Phase 3 - Build New Platform East and Temporary Extension</b>                                     |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| <b>Construction</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-0075  | Completion BHS Over-Build   | 0                  | 26-May-20*  |             | ◆ Completion BHS Over-Build   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1030  | Phase 3 - De-Energize/Remove Existing MBTA Systems  | 10                 | 26-May-20*  | 08-Jun-20   | Phase 3 - De-Energize/Remove Existing MBTA Systems  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1060  | Phase 3 - Demo Platform Furnishings   | 3                  | 09-Jun-20   | 11-Jun-20   | Phase 3 - Demo Platform Furnishings   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1040  | Phase 3 - Excavate and Rough Grade for Piles  | 5                  | 12-Jun-20   | 18-Jun-20   | Phase 3 - Excavate and Rough Grade for Piles  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1045  | Phase 3 - Install Helical Piles   | 20                 | 23-Jul-20   | 19-Aug-20   | Phase 3 - Install Helical Piles   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1070  | Phase 3 - Install CIP Knee Walls  | 10                 | 20-Aug-20   | 02-Sep-20   | Phase 3 - Install CIP Knee Walls  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1080  | Phase 3 - Backfill and Compact Platform Slab Base   | 10                 | 03-Sep-20   | 17-Sep-20   | Phase 3 - Backfill and Compact Platform Slab Base   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1090  | Phase 3 - Form/Reinforce CIP Platform Slabs w/Haunch  | 25                 | 18-Sep-20   | 23-Oct-20   | Phase 3 - Form/Reinforce CIP Platform Slabs w/Haunch  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1091  | Phase 3 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend   | 2                  | 24-Oct-20   | 25-Oct-20   | Phase 3 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1092  | Phase 3 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend   | 2                  | 31-Oct-20   | 01-Nov-20   | Phase 3 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1130  | Phase 3 - Pave Temporary Ramps at West Pedestrian Crossing  | 2                  | 02-Nov-20   | 03-Nov-20   | Phase 3 - Pave Temporary Ramps at West Pedestrian Crossing  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1115  | Phase 3 - Install Rubber Rail Tiles   | 5                  | 02-Nov-20   | 06-Nov-20   | Phase 3 - Install Rubber Rail Tiles   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1100  | Phase 3 - Install CIP Egress Ramp on Inbound Platform   | 10                 | 02-Nov-20   | 16-Nov-20   | Phase 3 - Install CIP Egress Ramp on Inbound Platform   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1095  | Phase 3 - F/R/P Light Pole and Sign Pedestals   | 15                 | 02-Nov-20   | 23-Nov-20   | Phase 3 - F/R/P Light Pole and Sign Pedestals   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1050  | Phase 3 - Pave Platform Extension - Weekends  | 2                  | 07-Nov-20   | 08-Nov-20   | Phase 3 - Pave Platform Extension - Weekends  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1120  | Phase 3 - Install Tactile Warning Panels  | 15                 | 09-Nov-20   | 02-Dec-20   | Phase 3 - Install Tactile Warning Panels  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1105  | Phase 3 - Establish Egress Path Through 111 Cypress Site (By Others)  | 5                  | 17-Nov-20   | 23-Nov-20   | Phase 3 - Establish Egress Path Through 111 Cypress Site (By Others)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |
| BLHS-1180  | Phase 3 - Install Railing - South Egress Ramp   | 5                  | 17-Nov-20   | 23-Nov-20   | Phase 3 - Install Railing - South Egress Ramp   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |

Remaining Level of Effort    Remaining Work  
 Actual Level of Effort    Critical Remaining Work  
 Actual Work    Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start      | Finish    | 2020 |     |     |   |     |     |   |   |     |   |   |     | 2021  |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|--|---|--------------------|------------|-----------|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|  |   |                    |            |           | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|  |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1200  | Phase 3 - Install Phase 4 Temporary Signage                                       | 10                 | 24-Nov-20  | 09-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Install Phase 4 Temporary Signage                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1140  | Phase 3 - Install Platform Furnishings  | 40                 | 24-Nov-20  | 25-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Install Platform Furnishings                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1170  | Phase 3 - Install VMS, PA, Security System  | 40                 | 24-Nov-20  | 25-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Install VMS, PA, Security System                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1110  | Phase 3 - Install Phase 3 Light Poles - Weekends                                  | 2                  | 28-Nov-20  | 29-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Install Phase 3 Light Poles - Weekends                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1190  | Phase 3 - Establish Pedestrian Access for Phase 3 Platform                        | 5                  | 19-Jan-21  | 25-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Establish Pedestrian Access for Phase 3 Platform          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1205  | Phase 3 - Testing, Commissioning and Inspections of Station Systems               | 10                 | 26-Jan-21  | 08-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Testing, Commissioning and Inspections of Station Systems |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-1210  | Phase 3 - Platform Put in Service   | 1                  | 09-Feb-21  | 09-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 3 - Platform Put in Service                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Phase 4 - Demo Existing West Platform &amp; Build New Platform West</b> |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Demolition</b>  |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2000  | Phase 4 - De-Energize/Remove Existing MBTA Systems                                | 10                 | 09-Feb-21  | 23-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - De-Energize/Remove Existing MBTA Systems                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2010  | Phase 4 - Demo Platform Furnishings   | 3                  | 24-Feb-21  | 26-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Demo Platform Furnishings                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Construction</b>  |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Station</b>   |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2015  | Phase 4 - Excavate and Rough Grade for Piles                                      | 5                  | 01-Mar-21  | 05-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Excavate and Rough Grade for Piles                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2020  | Phase 4 - Install Helical Piles   | 20                 | 08-Mar-21  | 02-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Helical Piles                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2050  | Phase 4 - Backfill and Compact Platform Slab Base                                 | 15                 | 05-Apr-21  | 26-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Backfill and Compact Platform Slab Base                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2060  | Phase 4 - Form/Reinforce CIP Platform Slabs w/Haunch                              | 25                 | 27-Apr-21  | 01-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Form/Reinforce CIP Platform Slabs w/Haunch                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2080  | Phase 4 - Form/Reinforce CIP Ramps  | 10                 | 02-Jun-21  | 15-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Form/Reinforce CIP Ramps                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2062  | Phase 4 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend                   | 2                  | 05-Jun-21  | 06-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2064  | Phase 4 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend                 | 2                  | 12-Jun-21  | 13-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2066  | Phase 4 - F/R/P Light Pole and Sign Pedestals                                     | 5                  | 14-Jun-21  | 18-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - F/R/P Light Pole and Sign Pedestals                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2110  | Phase 4 - Install Tactile Warning Panels  | 15                 | 14-Jun-21  | 05-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Tactile Warning Panels                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2082  | Phase 4 - Place CIP Ramps - Weekend   | 2                  | 16-Jun-21  | 17-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Place CIP Ramps - Weekend                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2090  | Phase 4 - Install Rubber Rail Tiles   | 5                  | 16-Jun-21  | 22-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Rubber Rail Tiles                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2085  | Phase 4 - Install Permanent Grade Crossing - Weekend                              | 2                  | 18-Jun-21  | 21-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Permanent Grade Crossing - Weekend                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2070  | Phase 4 - Install Stone Landscaping Beyond Platform                               | 5                  | 18-Jun-21  | 24-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Stone Landscaping Beyond Platform                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2120  | Phase 4 - Canopies - Weekend  | 6                  | 19-Jun-21  | 04-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Canopies - Weekend  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2100  | Phase 4 - Install Phase 4 Light Poles   | 2                  | 21-Jun-21  | 22-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Phase 4 Light Poles                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2180  | Phase 4 - Install Permanent Wayfinding Signage                                    | 10                 | 21-Jun-21  | 05-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Permanent Wayfinding Signage                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2160  | Phase 4 - Install VMS, PA, AFC, Security System                                   | 35                 | 23-Jun-21  | 11-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install VMS, PA, AFC, Security System                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2125  | Phase 4 - Canopy Roofs - Weekends   | 4                  | 10-Jul-21  | 18-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Canopy Roofs - Weekends                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2230  | Phase 4 - Install VMS, PA, AFC, Security System on Canopy                         | 3                  | 19-Jul-21  | 21-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install VMS, PA, AFC, Security System on Canopy           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2130  | Phase 4 - Install Platform Furnishings  | 10                 | 19-Jul-21  | 30-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Install Platform Furnishings                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2245  | Phase 4 - Testing, Commissioning and Inspections of Station Systems               | 10                 | 12-Aug-21  | 25-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Testing, Commissioning and Inspections of Station Systems |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2250  | Phase 4 - Platform Put Into Service   | 1                  | 26-Aug-21  | 26-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 4 - Platform Put Into Service                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Phase 5 - Demo Temp. Extension, Connect East &amp; West Platforms</b>   |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Demolition</b>  |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3000  | Phase 5 - Setup Stage 5   | 1                  | 27-Aug-21  | 27-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Setup Stage 5   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3010  | Phase 5 - Demo Temp Asphalt / Ramps / Crossings - Weekends                        | 6                  | 28-Aug-21  | 12-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Demo Temp Asphalt / Ramps / Crossings - Weekends          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Construction</b>  |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Station</b>   |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3020  | Phase 5 - Excavate & Expose Piles   | 5                  | 30-Aug-21  | 03-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Excavate & Expose Piles                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3090  | Phase 5 - Install Stone Landscaping Beyond Platform - Weekends                    | 2                  | 04-Sep-21  | 05-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Install Stone Landscaping Beyond Platform - Weekends      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3030  | Phase 5 - Install CIP Knee Walls  | 10                 | 07-Sep-21  | 20-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Install CIP Knee Walls                                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3040  | Phase 5 - Backfill and Compact Platform Slab Base - Weekends                      | 2                  | 21-Sep-21  | 22-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Backfill and Compact Platform Slab Base - Weekends        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3050  | Phase 5 - Form and Reinforce CIP Platform Slabs w/Haunch - Weekends (OD: 10 to 4) | 4                  | 25-Sep-21  | 03-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Form and Reinforce CIP Platform Slabs w/Haunch - Weekends |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3060  | Phase 5 - Place CIP Platform - Weekends   | 2                  | 09-Oct-21  | 10-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Place CIP Platform - Weekends                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3080  | Phase 5 - Install Tactile Warning Panels  | 5                  | 12-Oct-21  | 18-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Install Tactile Warning Panels                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2170  | Phase 5 - Install Railing - Outbound Knee Wall                                    | 12                 | 12-Oct-21  | 27-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Install Railing - Outbound Knee Wall                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3085  | Phase 5 - Install Rubber Rail Tiles   | 5                  | 19-Oct-21  | 25-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Install Rubber Rail Tiles                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-3160  | Phase 5 - Entire Station Open   | 1                  | 28-Oct-21  | 28-Oct-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 5 - Entire Station Open                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Phase 6 - Construct West Parking Lot Following Demob</b>                |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Parking Lot</b>   |   |                    |            |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2190  | Phase 6 - Demo Existing Parking Lot   | 10                 | 29-Oct-21* | 12-Nov-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 6 - Demo Existing Parking Lot                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| BLHS-2200  | Phase 6 - Relocate BHS Dumpster & Electrical                                      | 10                 | 15-Nov-21  | 30-Nov-21 |      |     |     |   |     |     |   |   |     |   |   |     | Phase 6 - Relocate BHS Dumpster & Electrical                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

Remaining Level of Effort    Remaining Work  
 Actual Level of Effort    Critical Remaining Work  
 Actual Work    Milestone





| Activity ID  | Activity Name  | Remaining Duration | Start       | Finish      | 2020   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     | 2021 |     |   |     |  |  |  |  |  |  |  |  | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------|-------------|-------------|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|---|-----|-----|---|-----|-----|-----|------|-----|---|-----|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|
|  |  |                    |             |             | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F | Mar | Apr | M | Jun | Jul | Aug | S    | Oct | N | Dec |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5060   | Subcontractor Issue Submittals - HVAC Boilers                        | 10                 | 19-Dec-19 A | 24-Feb-20   | Subcontractor Issue Submittals - HVAC Boilers                        |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4780   | A/E Review & Approve Submittals - HVAC Ductwork                      | 10                 | 25-Feb-20   | 09-Mar-20   | A/E Review & Approve Submittals - HVAC Ductwork                      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4830   | A/E Review & Approve Submittals - HVAC Exhaust Fans                  | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC Exhaust Fans                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4880   | A/E Review & Approve Submittals - HVAC Pumps                         | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC Pumps                         |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4930   | A/E Review & Approve Submittals - HVAC VAVs                          | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC VAVs                          |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4960   | A/E Review & Approve Submittals - HVAC FCUs                          | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC FCUs                          |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5030   | A/E Review & Approve Submittals - HVAC AHUs                          | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC AHUs                          |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5050   | A/E Review & Approve Submittals - HVAC Boilers                       | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC Boilers                       |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5120   | A/E Review & Approve Submittals - HVAC Air Cooled Chiller            | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Submittals - HVAC Air Cooled Chiller            |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4820   | Fab/Deliver Equipment - HVAC Exhaust Fans                            | 50                 | 17-Mar-20   | 27-May-20   | Fab/Deliver Equipment - HVAC Exhaust Fans                            |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4920   | Fab/Deliver Equipment - HVAC VAVs                                    | 50                 | 17-Mar-20   | 27-May-20   | Fab/Deliver Equipment - HVAC VAVs                                    |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4870   | Fab/Deliver Equipment - HVAC Pumps                                   | 65                 | 17-Mar-20   | 17-Jun-20   | Fab/Deliver Equipment - HVAC Pumps                                   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-4950   | Fab/Deliver Equipment - HVAC FCUs                                    | 65                 | 17-Mar-20   | 17-Jun-20   | Fab/Deliver Equipment - HVAC FCUs                                    |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2200   | Fab/Deliver Equipment - HVAC AHUs                                    | 80                 | 17-Mar-20   | 09-Jul-20   | Fab/Deliver Equipment - HVAC AHUs                                    |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2210   | Fab/Deliver Equipment - HVAC Boilers                                 | 80                 | 17-Mar-20   | 09-Jul-20   | Fab/Deliver Equipment - HVAC Boilers                                 |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2220   | Fab/Deliver Equipment - HVAC Air Cooled Chiller                      | 80                 | 17-Mar-20   | 09-Jul-20   | Fab/Deliver Equipment - HVAC Air Cooled Chiller                      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Electrical &amp; Communications (Trade Contractor)</b>            |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2250   | Execute Contract - Electrical  | 0                  | 22-Nov-19 A | 15-Jan-20 A | Execute Contract - Electrical  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2260   | Subcontractor Issue Submittals - Electrical Switchgear               | 5                  | 22-Nov-19 A | 14-Feb-20   | Subcontractor Issue Submittals - Electrical Switchgear               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2280   | Subcontractor Issue Submittals - Electrical Interior Lighting        | 5                  | 22-Nov-19 A | 14-Feb-20   | Subcontractor Issue Submittals - Electrical Interior Lighting        |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2290   | A/E Review & Approve Submittals - Electrical Switchgear              | 15                 | 18-Feb-20   | 09-Mar-20   | A/E Review & Approve Submittals - Electrical Switchgear              |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2300   | A/E Review & Approve Submittals - Electrical Interior Lighting       | 15                 | 18-Feb-20   | 09-Mar-20   | A/E Review & Approve Submittals - Electrical Interior Lighting       |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2320   | Fab/Deliver Equipment - Interior Lighting                            | 65                 | 10-Mar-20   | 10-Jun-20   | Fab/Deliver Equipment - Interior Lighting                            |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2340   | Fab/Deliver Equipment - Electrical Switchgear                        | 80                 | 10-Mar-20   | 01-Jul-20   | Fab/Deliver Equipment - Electrical Switchgear                        |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Masonry (Trade Contractor)</b>                                    |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2160   | Subcontractor Issue Submittals - Masonry (Brick/Stone Samples)       | 5                  | 19-Dec-19 A | 14-Feb-20   | Subcontractor Issue Submittals - Masonry (Brick/Stone Samples)       |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-1990   | Subcontractor Issue Initial Shop Drawings - Masonry                  | 10                 | 19-Dec-19 A | 24-Feb-20   | Subcontractor Issue Initial Shop Drawings - Masonry                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2170   | A/E Review & Approve Submittals - Masonry (Brick/Stone Samples)      | 10                 | 18-Feb-20   | 02-Mar-20   | A/E Review & Approve Submittals - Masonry (Brick/Stone Samples)      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2000   | A/E Review & Approve Initial Shop Drawings - Masonry                 | 15                 | 25-Feb-20   | 16-Mar-20   | A/E Review & Approve Initial Shop Drawings - Masonry                 |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2010   | Fab & Available for Delivery - Masonry (Brick/Stone)                 | 80                 | 03-Mar-20   | 24-Jun-20   | Fab & Available for Delivery - Masonry (Brick/Stone)                 |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Miscellaneous Metals &amp; Ornamental Iron (Trade Contractor)</b> |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2360   | Execute Contract - Misc. Metals                                      | 0                  | 13-Dec-19 A | 06-Jan-20 A | Execute Contract - Misc. Metals                                      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2350   | Award Contract - Misc. Metals  | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Misc. Metals  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6600   | Town Building Commission Approves Contract - Misc. Metals            | 0                  | 18-Dec-19 A | 18-Dec-19 A | Town Building Commission Approves Contract - Misc. Metals            |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2370   | Subcontractor Issue Submittals - Misc. Metals Lintels                | 15                 | 07-Jan-20 A | 02-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Lintels                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2380   | Subcontractor Issue Submittals - Misc. Metals Stair 1                | 25                 | 10-Feb-20   | 16-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Stair 1                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2410   | Subcontractor Issue Submittals - Misc. Metals Stair 2                | 25                 | 13-Feb-20   | 19-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Stair 2                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2400   | Subcontractor Issue Submittals - Misc. Metals Stair 3                | 25                 | 19-Feb-20   | 24-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Stair 3                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5600   | Subcontractor Issue Submittals - Misc. Metals Stair 6                | 25                 | 21-Feb-20   | 26-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Stair 6                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5630   | Subcontractor Issue Submittals - Misc. Metals Stair 7                | 25                 | 21-Feb-20   | 26-Mar-20   | Subcontractor Issue Submittals - Misc. Metals Stair 7                |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2420   | A/E Review & Approve Submittals - Misc. Metals Lintels               | 15                 | 03-Mar-20   | 23-Mar-20   | A/E Review & Approve Submittals - Misc. Metals Lintels               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2430   | A/E Review & Approve Submittals - Misc. Metals Stair 1               | 15                 | 17-Mar-20   | 06-Apr-20   | A/E Review & Approve Submittals - Misc. Metals Stair 1               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2460   | A/E Review & Approve Submittals - Misc. Metals Stair 2               | 15                 | 20-Mar-20   | 09-Apr-20   | A/E Review & Approve Submittals - Misc. Metals Stair 2               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2450   | A/E Review & Approve Submittals - Misc. Metals Stair 3               | 15                 | 25-Mar-20   | 14-Apr-20   | A/E Review & Approve Submittals - Misc. Metals Stair 3               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5610   | A/E Review & Approve Submittals - Misc. Metals Stair 6               | 15                 | 27-Mar-20   | 16-Apr-20   | A/E Review & Approve Submittals - Misc. Metals Stair 6               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5640   | A/E Review & Approve Submittals - Misc. Metals Stair 7               | 15                 | 27-Mar-20   | 16-Apr-20   | A/E Review & Approve Submittals - Misc. Metals Stair 7               |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2470   | Fab & Available for Delivery - Misc. Metals Lintels                  | 10                 | 31-Mar-20   | 13-Apr-20   | Fab & Available for Delivery - Misc. Metals Lintels                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2480   | Fab & Available for Delivery - Misc. Metals Stair 1                  | 25                 | 07-Apr-20   | 12-May-20   | Fab & Available for Delivery - Misc. Metals Stair 1                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2500   | Fab & Available for Delivery - Misc. Metals Stair 2                  | 25                 | 10-Apr-20   | 15-May-20   | Fab & Available for Delivery - Misc. Metals Stair 2                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2510   | Fab & Available for Delivery - Misc. Metals Stair 3                  | 25                 | 15-Apr-20   | 20-May-20   | Fab & Available for Delivery - Misc. Metals Stair 3                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5620   | Fab & Available for Delivery - Misc. Metals Stair 6                  | 25                 | 17-Apr-20   | 22-May-20   | Fab & Available for Delivery - Misc. Metals Stair 6                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5650   | Fab & Available for Delivery - Misc. Metals Stair 7                  | 25                 | 17-Apr-20   | 22-May-20   | Fab & Available for Delivery - Misc. Metals Stair 7                  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Building AVB &amp; Caulking (Trade Contractor)</b>                |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2520   | Award Contract - Building AVB & Caulking                             | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Building AVB & Caulking                             |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6610   | Town Building Commission Approves Contract - Building AVB & Caulking | 0                  | 18-Dec-19 A | 18-Dec-19 A | Town Building Commission Approves Contract - Building AVB & Caulking |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |      |     |   |     |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort        ■ Critical Remaining Work  
■ Actual Work                        ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start       | Finish      | 2020   |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|--|---|--------------------|-------------|-------------|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|  |   |                    |             |             | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
| PRO-2530   | Execute Contract - Building AVB & Caulking                            | 0                  | 19-Dec-19 A | 23-Dec-19 A | Execute Contract - Building AVB & Caulking                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2540   | Subcontractor Issue Submittals - Building AVB & Caulking              | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Building AVB & Caulking         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2550   | A/E Review & Approve Submittals - Building AVB & Caulking             | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Building AVB & Caulking        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2560   | Fab & Available for Delivery - Building AVB & Caulking                | 20                 | 31-Mar-20   | 28-Apr-20   | Fab & Available for Delivery - Building AVB & Caulking           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Roofing &amp; Flashing (Trade Contractor)</b>       |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2570   | Award Contract - Roofing  | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Roofing   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6620   | Town Building Commission Approves Contract - Roofing                  | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Roofing                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2580   | Execute Contract - Roofing  | 0                  | 19-Dec-19 A | 13-Jan-20 A | Execute Contract - Roofing                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2590   | Subcontractor Issue Submittals - Roofing Metal Flashing & Trim        | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Roofing Metal Flashing & Trim   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2600   | Subcontractor Issue Submittals - Membrane Roofing                     | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Membrane Roofing                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2610   | A/E Review & Approve Submittals - Roofing Metal Flashing & Trim       | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Roofing Metal Flashing & Trim  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2620   | A/E Review & Approve Submittals - Membrane Roofing                    | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Membrane Roofing               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2630   | Fab & Available for Delivery - Membrane Roofing                       | 20                 | 31-Mar-20   | 28-Apr-20   | Fab & Available for Delivery - Membrane Roofing                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2640   | Fab & Available for Delivery - Roofing Metal Flashing & Trim          | 25                 | 31-Mar-20   | 05-May-20   | Fab & Available for Delivery - Roofing Metal Flashing & Trim     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Interior Glass &amp; Glazing (Trade Contractor)</b> |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2650   | Award Contract - Interior Glass & Glazing                             | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Interior Glass & Glazing                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6630   | Town Building Commission Approves Contract - Interior Glass & Glazing | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Interior Glass & Glazing |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2660   | Execute Contract - Interior Glass & Glazing                           | 0                  | 19-Dec-19 A | 13-Jan-20 A | Execute Contract - Interior Glass & Glazing                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2670   | Subcontractor Issue Submittals - Interior Glass                       | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Interior Glass                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2680   | Subcontractor Issue Submittals - Interior Glass Mirrors               | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Interior Glass Mirrors          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2690   | A/E Review & Approve Submittals - Interior Glass                      | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Interior Glass                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2700   | A/E Review & Approve Submittals - Interior Glass Mirrors              | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Interior Glass Mirrors         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2710   | Fab & Available for Delivery - Interior Glass Mirrors                 | 25                 | 31-Mar-20   | 05-May-20   | Fab & Available for Delivery - Interior Glass Mirrors            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2720   | Fab & Available for Delivery - Interior Glass                         | 40                 | 31-Mar-20   | 27-May-20   | Fab & Available for Delivery - Interior Glass                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Tile (Trade Contractor)</b>                         |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2730   | Award Contract - Tile   | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Tile  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6640   | Town Building Commission Approves Contract - Tile                     | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Tile                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2740   | Execute Contract - Tile   | 0                  | 19-Dec-19 A | 02-Jan-20 A | Execute Contract - Tile  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2750   | Subcontractor Issue Submittals - Ceramic Tile                         | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Ceramic Tile                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2760   | A/E Review & Approve Submittals - Ceramic Tile                        | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Ceramic Tile                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2770   | Fab & Available for Delivery - Ceramic Tile                           | 50                 | 31-Mar-20   | 10-Jun-20   | Fab & Available for Delivery - Ceramic Tile                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Terrazzo (Trade Contractor)</b>                     |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-5270   | Award Contract - Terrazzo   | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Terrazzo  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6650   | Town Building Commission Approves Contract - Terrazzo                 | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Terrazzo                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-5280   | Execute Contract - Terrazzo   | 0                  | 19-Dec-19 A | 19-Dec-19 A | Execute Contract - Terrazzo                                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-5290   | Subcontractor Issue Submittals - Terrazzo                             | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Terrazzo                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-5300   | A/E Review & Approve Submittals - Terrazzo                            | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Terrazzo                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-5310   | Fab & Available for Delivery - Terrazzo                               | 30                 | 31-Mar-20   | 12-May-20   | Fab & Available for Delivery - Terrazzo                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Acoustical Ceiling Tile (Trade Contractor)</b>      |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2780   | Award Contract - Acoustical Ceiling Tile                              | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Acoustical Ceiling Tile                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6660   | Town Building Commission Approves Contract - Tile                     | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Tile                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2790   | Execute Contract - Acoustical Ceiling Tile                            | 0                  | 19-Dec-19 A | 19-Dec-19 A | Execute Contract - Acoustical Ceiling Tile                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2800   | Subcontractor Issue Submittals - ACT                                  | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - ACT                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2810   | Subcontractor Issue Submittals - Acoustical Metal Panels              | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Acoustical Metal Panels         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2820   | A/E Review & Approve Submittals - ACT                                 | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - ACT                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2830   | A/E Review & Approve Submittals - Acoustical Metal Panels             | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Acoustical Metal Panels        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2840   | Fab & Available for Delivery - ACT                                    | 15                 | 31-Mar-20   | 21-Apr-20   | Fab & Available for Delivery - ACT                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2850   | Fab & Available for Delivery - Acoustical Metal Panels                | 50                 | 31-Mar-20   | 10-Jun-20   | Fab & Available for Delivery - Acoustical Metal Panels           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Resilient Flooring (Trade Contractor)</b>           |   |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2860   | Award Contract - Resilient Flooring                                   | 0                  | 18-Dec-19 A | 18-Dec-19 A | Award Contract - Resilient Flooring                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6670   | Town Building Commission Approves Contract - Resilient Flooring       | 0                  | 18-Dec-19 A | 18-Dec-19 A | Building Commission Approves Contract - Resilient Flooring       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2870   | Execute Contract - Resilient Flooring                                 | 0                  | 19-Dec-19 A | 02-Jan-20 A | Execute Contract - Resilient Flooring                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2880   | Subcontractor Issue Submittals - Resilient Flooring                   | 20                 | 10-Feb-20   | 09-Mar-20   | Subcontractor Issue Submittals - Resilient Flooring              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2890   | A/E Review & Approve Submittals - Resilient Flooring                  | 15                 | 10-Mar-20   | 30-Mar-20   | A/E Review & Approve Submittals - Resilient Flooring             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-2900   | Fab & Available for Delivery - Resilient Flooring                     | 30                 | 31-Mar-20   | 12-May-20   | Fab & Available for Delivery - Resilient Flooring                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

Remaining Level of Effort
  Remaining Work

Actual Level of Effort
  Critical Remaining Work

Actual Work
  Milestone







Table with columns: Activity ID, Activity Name, Remaining Duration, Start, Finish, and monthly Gantt bars for years 2020, 2021, and 2022. Rows are categorized by project phases: Millwork & Finish Carpentry, Food Service Equipment, Overhead Doors & Fire Shutters, and Wood Flooring.

Legend for activity bars: Remaining Level of Effort (green), Actual Level of Effort (blue), Actual Work (dark blue), Remaining Work (light green), Critical Remaining Work (red), Milestone (diamond).





| Activity ID                      | Activity Name  | Remaining Duration | Start       | Finish      | 2020   |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|----------------------------------|--|--------------------|-------------|-------------|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|                                  |  |                    |             |             | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|                                  |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4420                         | Fab & Available for Delivery - Window Treatments   | 20                 | 11-May-20   | 08-Jun-20   | Fab & Available for Delivery - Window Treatments   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Signage</b>                   |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4430                         | Bid, De-scope & RTA - Signage  | 5                  | 06-Jan-20 A | 14-Feb-20   | Bid, De-scope & RTA - Signage  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4440                         | Owner Review/Approve RTA - Signage   | 5                  | 18-Feb-20   | 24-Feb-20   | Owner Review/Approve RTA - Signage   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6880                         | Town Building Commission Approves Contract - Signage                                     | 1                  | 10-Mar-20   | 10-Mar-20   | Town Building Commission Approves Contract - Signage                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4450                         | Award Contract - Signage   | 2                  | 11-Mar-20   | 12-Mar-20   | Award Contract - Signage   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4460                         | Execute Contract - Signage   | 5                  | 13-Mar-20   | 19-Mar-20   | Execute Contract - Signage   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4470                         | Subcontractor Issue Submittals - Signage   | 20                 | 20-Mar-20   | 16-Apr-20   | Subcontractor Issue Submittals - Signage   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4480                         | A/E Review & Approve Submittals - Signage  | 15                 | 17-Apr-20   | 08-May-20   | A/E Review & Approve Submittals - Signage  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4490                         | Fab & Available for Delivery - Signage   | 30                 | 11-May-20   | 22-Jun-20   | Fab & Available for Delivery - Signage   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Landscaping</b>               |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4010                         | Bid, De-scope & RTA - Landscaping  | 5                  | 06-Jan-20 A | 14-Feb-20   | Bid, De-scope & RTA - Landscaping  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4020                         | Owner Review/Approve RTA - Landscaping   | 5                  | 18-Feb-20   | 24-Feb-20   | Owner Review/Approve RTA - Landscaping   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6890                         | Town Building Commission Approves Contract - Landscaping                                 | 1                  | 10-Mar-20   | 10-Mar-20   | Town Building Commission Approves Contract - Landscaping                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4030                         | Award Contract - Landscaping   | 2                  | 11-Mar-20   | 12-Mar-20   | Award Contract - Landscaping   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4040                         | Execute Contract - Landscaping   | 5                  | 13-Mar-20   | 19-Mar-20   | Execute Contract - Landscaping   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4050                         | Subcontractor Issue Submittals - Landscaping   | 15                 | 20-Mar-20   | 09-Apr-20   | Subcontractor Issue Submittals - Landscaping   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4060                         | A/E Review & Approve Submittals - Landscaping  | 15                 | 10-Apr-20   | 01-May-20   | A/E Review & Approve Submittals - Landscaping  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4070                         | Fab & Available for Delivery - Landscaping   | 50                 | 04-May-20   | 14-Jul-20   | Fab & Available for Delivery - Landscaping   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Final Cleaning</b>            |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4500                         | Bid, De-scope & RTA - Final Cleaning   | 5                  | 21-Jan-20 A | 14-Feb-20   | Bid, De-scope & RTA - Final Cleaning   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4510                         | Owner Review/Approve RTA - Final Cleaning  | 5                  | 18-Feb-20   | 24-Feb-20   | Owner Review/Approve RTA - Final Cleaning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-6900                         | Town Building Commission Approves Contract - Signage                                     | 1                  | 10-Mar-20   | 10-Mar-20   | Town Building Commission Approves Contract - Signage                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4520                         | Award Contract - Final Cleaning  | 2                  | 11-Mar-20   | 12-Mar-20   | Award Contract - Final Cleaning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4530                         | Execute Contract - Final Cleaning  | 5                  | 13-Mar-20   | 19-Mar-20   | Execute Contract - Final Cleaning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4540                         | Subcontractor Issue Submittals - Final Cleaning  | 20                 | 20-Mar-20   | 16-Apr-20   | Subcontractor Issue Submittals - Final Cleaning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4550                         | A/E Review & Approve Submittals - Final Cleaning   | 15                 | 17-Apr-20   | 08-May-20   | A/E Review & Approve Submittals - Final Cleaning   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| PRO-4560                         | Fab & Available for Delivery - Final Cleaning  | 10                 | 11-May-20   | 22-May-20   | Fab & Available for Delivery - Final Cleaning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Construction Summary</b>      |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1110                         | Summary - Demo 111 Cypress St Building   | 0                  | 29-Aug-19 A | 03-Jan-20 A | Summary - Demo 111 Cypress St Building   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1120                         | Summary - Temp Platform Work   | 29                 | 25-Sep-19 A | 20-Mar-20   | Summary - Temp Platform Work   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1100                         | Summary - Sitework & Foundations at MBTA D Line Area                                     | 32                 | 12-Oct-19 A | 25-Mar-20   | Summary - Sitework & Foundations at MBTA D Line Area                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1090                         | Summary - Sitework & Foundations at Cypress St Lot                                       | 20                 | 25-Nov-19 A | 09-Mar-20   | Summary - Sitework & Foundations at Cypress St Lot                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1125                         | Summary - OCS Work   | 24                 | 10-Feb-20   | 13-Mar-20   | Summary - OCS Work   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1150                         | Summary - Overhead Catenary Work Complete to Begin Precast                               | 0                  |             | 13-Mar-20   | Summary - Overhead Catenary Work Complete to Begin Precast                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1040                         | Summary - Erect Steel & Precast Structure alongside & over MBTA D Line Tracks (Weekends) | 8                  | 18-Apr-20   | 10-May-20   | Summary - Erect Steel & Precast Structure alongside & over MBTA D Line Tracks (Weekends) |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1010                         | Summary - Erect Structural Steel   | 43                 | 18-May-20   | 17-Jul-20   | Summary - Erect Structural Steel   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1020                         | Summary - Detail & Deck Structural Steel   | 55                 | 26-May-20   | 11-Aug-20   | Summary - Detail & Deck Structural Steel   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1050                         | Summary - Lower Level Slab on Grade  | 35                 | 30-Jun-20   | 18-Aug-20   | Summary - Lower Level Slab on Grade  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1030                         | Summary - Prep & Place Slabs on Deck   | 32                 | 06-Jul-20   | 18-Aug-20   | Summary - Prep & Place Slabs on Deck   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1060                         | Summary - Spray Fireproofing   | 21                 | 11-Aug-20   | 09-Sep-20   | Summary - Spray Fireproofing   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1070                         | Summary - Exterior Facade  | 124                | 18-Aug-20   | 18-Feb-21   | Summary - Exterior Facade  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| SUM-1080                         | Summary - MEP & Architectural Rough-in   | 107                | 01-Sep-20   | 08-Feb-21   | Summary - MEP & Architectural Rough-in   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1080                         | Summary - Interior Drywall & Finishes  | 160                | 11-Feb-21   | 29-Sep-21   | Summary - Interior Drywall & Finishes  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1110                         | Summary - Building Temp Tight  | 0                  |             | 18-Feb-21   | Summary - Building Temp Tight  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1090                         | Summary - Final Inspections & C of O   | 52                 | 28-Jul-21   | 08-Oct-21   | Summary - Final Inspections & C of O   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1150                         | Summary - Owner Install FF&E   | 10                 | 23-Aug-21   | 03-Sep-21   | Summary - Owner Install FF&E   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1140                         | Summary - MEP Commissioning  | 60                 | 26-Aug-21   | 22-Nov-21   | Summary - MEP Commissioning  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1100                         | Summary - Substantial Completion - Project A: 111 Cypress Street                         | 0                  |             | 08-Oct-21   | Summary - Substantial Completion - Project A: 111 Cypress Street                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MEP Coordination</b>          |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Lower Level Slab on Grade</b> |  |                    |             |             |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3000                         | Coordinate MEPs - LL Underground   | 3                  | 19-Dec-19 A | 12-Feb-20   | Coordinate MEPs - LL Underground   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3010                         | Review & Approve MEPs - LL Underground   | 5                  | 13-Feb-20   | 20-Feb-20   | Review & Approve MEPs - LL Underground   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone





| Activity ID                      | Activity Name   | Remaining Duration | Start       | Finish      | 2020 2021 2022  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
|----------------------------------|---|--------------------|-------------|-------------|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|------|---|---|-----|---|-----|-----|---|-----|-----|
|                                  |   |                    |             |             | 2020  |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   | 2022 |   |   |     |   |     |     |   |     |     |
|                                  |   |                    |             |             | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct  | N | D | Jan | F | Mar | Apr | M | Jun | Jul |
| FOUND-1260                       | FRP Perimeter Isolated Footings - South                                   | 6                  | 27-Feb-20   | 05-Mar-20   | ■ FRP Perimeter Isolated Footings - South                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1270                       | FRP Perimeter Spread Footings - South                                     | 6                  | 03-Mar-20   | 10-Mar-20   | ■ FRP Perimeter Spread Footings - South                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Interior Footings - East</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1470                       | Excavate for Interior Footings - East                                     | 5                  | 13-Jan-20 A | 14-Feb-20   | ■ Excavate for Interior Footings - East                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1480                       | FRP Interior Footings - East  | 5                  | 15-Jan-20 A | 02-Mar-20   | ■ FRP Interior Footings - East  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Interior Footings - West</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1490                       | Excavate for Interior Footings - West                                     | 10                 | 13-Jan-20 A | 24-Feb-20   | ■ Excavate for Interior Footings - West                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1500                       | FRP Interior Footings - West  | 5                  | 15-Jan-20 A | 02-Mar-20   | ■ FRP Interior Footings - West  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Foundation Walls</b>          |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1065                       | FRP Wall - Pour 1   | 0                  | 24-Jan-20 A | 28-Jan-20 A | FRP Wall - Pour 1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1310                       | FRP Wall - Pour 2   | 5                  | 10-Feb-20   | 14-Feb-20   | ■ FRP Wall - Pour 2   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1320                       | FRP Wall - Pour 3   | 5                  | 10-Feb-20   | 14-Feb-20   | ■ FRP Wall - Pour 3   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1340                       | FRP Wall - Pour 4   | 5                  | 18-Feb-20   | 24-Feb-20   | ■ FRP Wall - Pour 4   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1350                       | FRP Wall - Pour 5   | 5                  | 18-Feb-20   | 24-Feb-20   | ■ FRP Wall - Pour 5   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1390                       | FRP Wall - Pour 6   | 5                  | 25-Feb-20   | 02-Mar-20   | ■ FRP Wall - Pour 6   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1400                       | FRP Wall - Pour 7   | 5                  | 25-Feb-20   | 02-Mar-20   | ■ FRP Wall - Pour 7   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1440                       | FRP Wall - Pour 9   | 5                  | 03-Mar-20   | 09-Mar-20   | ■ FRP Wall - Pour 9   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1760                       | Waterproof Foundation Walls - South                                       | 15                 | 04-Mar-20   | 24-Mar-20   | ■ Waterproof Foundation Walls - South                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1430                       | FRP Wall - Pour 8   | 5                  | 11-Mar-20   | 17-Mar-20   | ■ FRP Wall - Pour 8   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1770                       | Backfill Foundation Walls - South   | 15                 | 11-Mar-20   | 31-Mar-20   | ■ Backfill Foundation Walls - South   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1450                       | Final Cure Perimeter Walls  | 5                  | 18-Mar-20   | 24-Mar-20   | ■ Final Cure Perimeter Walls  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Interior Walls &amp; Pits</b> |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1520                       | Waterproof Base Slab at Elevator Pit - Elevator Pits 1 & 3                | 3                  | 10-Feb-20   | 12-Feb-20   | ■ Waterproof Base Slab at Elevator Pit - Elevator Pits 1 & 3                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1570                       | FRP Base Slab at Elevator Pit - Elevator Pits 1 & 3                       | 3                  | 13-Feb-20   | 18-Feb-20   | ■ FRP Base Slab at Elevator Pit - Elevator Pits 1 & 3                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1530                       | FRP & Strip Walls at Elevator Pit - Elevator Pits 1 & 3                   | 5                  | 19-Feb-20   | 25-Feb-20   | ■ FRP & Strip Walls at Elevator Pit - Elevator Pits 1 & 3                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1540                       | FRP Interior Walls at H, 13 & GG Lines - Interior Walls & Pits            | 10                 | 03-Mar-20   | 16-Mar-20   | ■ FRP Interior Walls at H, 13 & GG Lines - Interior Walls & Pits            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1550                       | Waterproof Walls at Elevator Pit & Interior Walls - Interior Walls & Pits | 5                  | 17-Mar-20   | 23-Mar-20   | ■ Waterproof Walls at Elevator Pit & Interior Walls - Interior Walls & Pits |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1560                       | Strip & Backfill Interior Walls - Interior Walls & Pits                   | 5                  | 24-Mar-20   | 30-Mar-20   | ■ Strip & Backfill Interior Walls - Interior Walls & Pits                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>North (MBTA Area)</b>         |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1030                       | Excavate & Lag for Footings & Pile Cap (Some Weekend Work) - North        | 3                  | 23-Nov-19 A | 12-Feb-20   | ■ Excavate & Lag for Footings & Pile Cap (Some Weekend Work) - North        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1600                       | Install Support of Excavation (19 Piles) (Weekend Work) - North           | 0                  | 14-Dec-19 A | 15-Dec-19 A | Support of Excavation (19 Piles) (Weekend Work) - North                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1085                       | Install Mini Piles (4) (Weekday Work) - North                             | 0                  | 14-Jan-20 A | 16-Jan-20 A | Install Mini Piles (4) (Weekday Work) - North                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1590                       | FRP Piers, Spread Footings & Pile Cap (CL 3 to 17.2) - North              | 5                  | 20-Feb-20   | 26-Feb-20   | ■ FRP Piers, Spread Footings & Pile Cap (CL 3 to 17.2) - North              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1810                       | FRP Piers, Spread Footings & Pile Cap (CL 1 to 3) - North                 | 3                  | 27-Feb-20   | 02-Mar-20   | ■ FRP Piers, Spread Footings & Pile Cap (CL 1 to 3) - North                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1050                       | FRP Foundation Walls (Pour 1) - North                                     | 5                  | 27-Feb-20   | 04-Mar-20   | ■ FRP Foundation Walls (Pour 1) - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1680                       | FRP Foundation Walls (Pour 2) - North                                     | 5                  | 05-Mar-20   | 11-Mar-20   | ■ FRP Foundation Walls (Pour 2) - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1690                       | FRP Foundation Walls (Pour 3) - North                                     | 5                  | 05-Mar-20   | 11-Mar-20   | ■ FRP Foundation Walls (Pour 3) - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1700                       | FRP Foundation Walls (Pour 4) - North                                     | 5                  | 12-Mar-20   | 18-Mar-20   | ■ FRP Foundation Walls (Pour 4) - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1710                       | FRP Foundation Walls (Pour 5) - North                                     | 5                  | 12-Mar-20   | 18-Mar-20   | ■ FRP Foundation Walls (Pour 5) - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1720                       | Waterproof/Damproof Foundation Walls - North                              | 10                 | 12-Mar-20   | 25-Mar-20   | ■ Waterproof/Damproof Foundation Walls - North                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1820                       | Excavate Elevator Pit & CL B Area - North                                 | 5                  | 16-Mar-20   | 20-Mar-20   | ■ Excavate Elevator Pit & CL B Area - North                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1060                       | Cure Foundations - North  | 5                  | 19-Mar-20   | 25-Mar-20   | ■ Cure Foundations - North  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1640                       | Waterproof below Base Slab at Elevator Pit - North                        | 3                  | 23-Mar-20   | 25-Mar-20   | ■ Waterproof below Base Slab at Elevator Pit - North                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1610                       | Complete FRP Grade Beam at CL B - North                                   | 5                  | 23-Mar-20   | 27-Mar-20   | ■ Complete FRP Grade Beam at CL B - North                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1650                       | FRP Base Slab at Elevator Pit - North                                     | 3                  | 26-Mar-20   | 30-Mar-20   | ■ FRP Base Slab at Elevator Pit - North                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1660                       | FRP & Strip Walls at Elevator Pit Area - North                            | 5                  | 31-Mar-20   | 06-Apr-20   | ■ FRP & Strip Walls at Elevator Pit Area - North                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1730                       | Backfill Foundation Walls - North   | 10                 | 02-Apr-20   | 15-Apr-20   | ■ Backfill Foundation Walls - North   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1670                       | Waterproof Walls at Elevator Pit Area - North                             | 5                  | 07-Apr-20   | 13-Apr-20   | ■ Waterproof Walls at Elevator Pit Area - North                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| FOUND-1100                       | FRP Stairs - North  | 15                 | 26-May-20   | 15-Jun-20   | ■ FRP Stairs - North  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Structure</b>                 |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>North (MBTA D Line Area)</b>  |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| <b>Level 1</b>                   |   |                    |             |             |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| STRUCT-1270                      | Install Crane Mats & Mobilize Crane - North                               | 5                  | 09-Apr-20   | 15-Apr-20   | ■ Install Crane Mats & Mobilize Crane - North                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |
| STRUCT-1000                      | Erect Steel along Tracks Sequence 1 - North (Weekend Work)                | 2                  | 18-Apr-20   | 19-Apr-20   | ■ Erect Steel along Tracks Sequence 1 - North (Weekend Work)                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |      |   |   |     |   |     |     |   |     |     |

Remaining Level of Effort
  Remaining Work  
 Actual Level of Effort
  Critical Remaining Work  
 Actual Work
  Milestone





| Activity ID                            | Activity Name   | Remaining Duration | Start     | Finish    | 2020 |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  | 2021 |  |  |  |  |  |  |  |  |  |  |  | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|--|---|--------------------|-----------|-----------|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|---|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|------|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|
|  |   |                    |           |           | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
|  |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| SPF-1040                               | Spray Fireproof - Garden Level                          | 5                  | 02-Sep-20 | 09-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Roofing</b>                         |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| RF-1000                                | Temp-in Roofs   | 15                 | 19-Aug-20 | 09-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| RF-1010                                | Set & Connect Roof Top Equipment                        | 20                 | 19-Aug-20 | 16-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| RF-1020                                | Install Roof Screens                                    | 20                 | 17-Sep-20 | 15-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| RF-1030                                | Install Permanent Roof - Roof Level                     | 15                 | 16-Oct-20 | 05-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| RF-1040                                | Install Permanent Roof (Following Staging Removal) - L3 | 15                 | 25-Mar-21 | 14-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Exterior Facade</b>                 |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1000                               | Frame Exterior Walls                                    | 70                 | 18-Aug-20 | 30-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-105                                | Sheath Exterior Walls                                   | 59                 | 08-Sep-20 | 03-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1010                               | AVB Exterior Walls                                      | 56                 | 22-Sep-20 | 14-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1040                               | Install Curtain Wall                                    | 90                 | 06-Oct-20 | 18-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1020                               | Stage Exterior Walls                                    | 83                 | 19-Nov-20 | 23-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1030                               | Install Stone & Brick / Washdown / Remove Staging       | 77                 | 02-Dec-20 | 24-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| EXT-1050                               | Building Temp Tight                                     | 0                  |           | 18-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>East Elevation (CL C.7 to PP)</b>   |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1000                                 | Frame Exterior Walls & Canopy - East Elevation          | 24                 | 18-Aug-20 | 21-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1010                                 | Sheath Exterior Walls & Canopy - East Elevation         | 15                 | 08-Sep-20 | 28-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1020                                 | Install AVB - East Elevation                            | 10                 | 22-Sep-20 | 05-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1030                                 | Prep Openings for Curtain Wall - East Elevation         | 10                 | 29-Sep-20 | 13-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1040                                 | Install Curtain Wall - East Elevation                   | 31                 | 06-Oct-20 | 19-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1050                                 | Install Staging - East Elevation                        | 20                 | 29-Oct-20 | 30-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1060                                 | Install Stone - East Elevation                          | 18                 | 17-Nov-20 | 14-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1070                                 | Install Brick - East Elevation                          | 24                 | 02-Dec-20 | 06-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1080                                 | Washdown Masonry - East Elevation                       | 10                 | 29-Dec-20 | 12-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1090                                 | Remove Staging - East Elevation                         | 10                 | 06-Jan-21 | 20-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| E-1100                                 | Caulk Facade - East Elevation                           | 11                 | 21-Jan-21 | 04-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>South Elevation (CL 10 to 18)</b>   |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1000                                 | Frame Exterior Walls - South Elevation                  | 17                 | 11-Sep-20 | 05-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1010                                 | Sheath Exterior Walls - South Elevation                 | 10                 | 29-Sep-20 | 13-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1020                                 | Install AVB - South Elevation                           | 6                  | 13-Oct-20 | 20-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1030                                 | Prep Openings for Curtain Wall - South Elevation        | 5                  | 21-Oct-20 | 27-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1040                                 | Install Curtain Wall - South Elevation                  | 8                  | 20-Nov-20 | 03-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1050                                 | Install Staging - South Elevation                       | 5                  | 04-Dec-20 | 10-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1060                                 | Install Stone - South Elevation                         | 15                 | 15-Dec-20 | 06-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1070                                 | Install Brick - South Elevation                         | 20                 | 30-Dec-20 | 28-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1080                                 | Washdown Masonry - South Elevation                      | 5                  | 28-Jan-21 | 03-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1090                                 | Remove Staging - South Elevation                        | 3                  | 04-Feb-21 | 08-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| S-1100                                 | Caulk Facade - South Elevation                          | 7                  | 09-Feb-21 | 18-Feb-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>West Elevation (CL C.7 to P)</b>    |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1000                                 | Frame Exterior Walls - West Elevation                   | 36                 | 25-Sep-20 | 17-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1010                                 | Sheath Exterior Walls - West Elevation                  | 17                 | 30-Oct-20 | 24-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1020                                 | Install AVB - West Elevation                            | 19                 | 06-Nov-20 | 07-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1030                                 | Prep Openings for Curtain Wall - West Elevation         | 15                 | 20-Nov-20 | 14-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1040                                 | Install Curtain Wall - West Elevation                   | 23                 | 04-Dec-20 | 07-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1050                                 | Install Staging - West Elevation                        | 20                 | 18-Dec-20 | 19-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1060                                 | Install Stone - West Elevation                          | 5                  | 07-Jan-21 | 13-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1070                                 | Install Brick - West Elevation                          | 36                 | 19-Jan-21 | 10-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1080                                 | Washdown Masonry - West Elevation                       | 10                 | 03-Mar-21 | 16-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1090                                 | Remove Staging - West Elevation                         | 10                 | 10-Mar-21 | 23-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| W-1100                                 | Caulk Facade - West Elevation                           | 19                 | 24-Mar-21 | 20-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>North Elevation (CL 2.6 to 6.4)</b> |   |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| N-1000                                 | Frame Exterior Walls - North Elevation                  | 7                  | 18-Nov-20 | 30-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |   |     |   |     |     |   |     |     |     |   |     |   |     |  |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone





| Activity ID                                     | Activity Name  | Remaining Duration | Start     | Finish    | 2020 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | 2021   |  |  |  |  |  |  |     |  |  |  |  | 2022 |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
|---|--|--------------------|-----------|-----------|------|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|------|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|
|   |  |                    |           |           | F    |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun  |  |  |  |  |  |  | Jul |  |  |  |  |      |  | A |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | D |  |  |  |  |  |  | Jan |  |  |  |  |  |  | F |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun |  |  |  |  |  |  | Jul |  |  |  |  |  |  | Aug |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | Dec |  |  |  |  |  |  |
|   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1010  | Sheath Exterior Walls - North Elevation  | 5                  | 25-Nov-20 | 03-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Sheath Exterior Walls - North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1020  | Install AVB - North Elevation  | 5                  | 08-Dec-20 | 14-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install AVB - North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1030  | Prep Openings for Curtain Wall - North Elevation                                     | 3                  | 15-Dec-20 | 17-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Prep Openings for Curtain Wall - North Elevation                                     |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1040  | Install Curtain Wall - North Elevation   | 10                 | 28-Dec-20 | 11-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall - North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1050  | Install Staging - North Elevation  | 5                  | 12-Jan-21 | 19-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Staging - North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1070  | Install Brick - North Elevation  | 10                 | 04-Mar-21 | 17-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Brick - North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1080  | Washdown Masonry - North Elevation   | 3                  | 18-Mar-21 | 22-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Washdown Masonry - North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1090  | Remove Staging - North Elevation   | 2                  | 23-Mar-21 | 24-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Remove Staging - North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| N-1100  | Caulk Facade - North Elevation   | 3                  | 21-Apr-21 | 23-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Caulk Facade - North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Cafeteria East Elevation (CL D to B)</b>     |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1110   | Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria East Elevation  | 5                  | 18-Aug-20 | 24-Aug-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria East Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1000   | Frame Canopy - Cafeteria East Elevation  | 10                 | 22-Sep-20 | 05-Oct-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Frame Canopy - Cafeteria East Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1010   | Sheath Canopy - Cafeteria East Elevation   | 10                 | 06-Oct-20 | 20-Oct-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Sheath Canopy - Cafeteria East Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1020   | Install AVB - Cafeteria East Elevation   | 10                 | 14-Oct-20 | 27-Oct-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install AVB - Cafeteria East Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1030   | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria East Elevation     | 10                 | 21-Oct-20 | 03-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria East Elevation     |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1040   | Install Curtain Wall - Cafeteria East Elevation                                      | 10                 | 28-Oct-20 | 10-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall - Cafeteria East Elevation                                      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1050   | Install Staging - Cafeteria East Elevation   | 5                  | 12-Nov-20 | 18-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Staging - Cafeteria East Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1060   | Install Stone - Cafeteria East Elevation   | 10                 | 19-Nov-20 | 04-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Stone - Cafeteria East Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1080   | Washdown Masonry - Cafeteria East Elevation  | 4                  | 07-Dec-20 | 10-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Washdown Masonry - Cafeteria East Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1120   | Install Metal Panel System at Canopy - Cafeteria East Elevation                      | 10                 | 11-Dec-20 | 24-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Metal Panel System at Canopy - Cafeteria East Elevation                      |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1090   | Remove Staging - Cafeteria East Elevation  | 5                  | 28-Dec-20 | 04-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Remove Staging - Cafeteria East Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CE-1100   | Caulk Facade - Cafeteria East Elevation  | 5                  | 05-Jan-21 | 11-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Caulk Facade - Cafeteria East Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Cafeteria North Elevation (CL 1 to 17.2)</b> |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1110   | Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria North Elevation | 15                 | 25-Aug-20 | 15-Sep-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria North Elevation |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1000   | Frame Canopy - Cafeteria North Elevation   | 20                 | 06-Oct-20 | 03-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Frame Canopy - Cafeteria North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1010   | Sheath Canopy - Cafeteria North Elevation  | 20                 | 21-Oct-20 | 18-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Sheath Canopy - Cafeteria North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1020   | Install AVB - Cafeteria North Elevation  | 15                 | 04-Nov-20 | 25-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install AVB - Cafeteria North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1030   | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria North Elevation    | 15                 | 10-Nov-20 | 03-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria North Elevation    |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1040   | Install Curtain Wall - Cafeteria North Elevation                                     | 45                 | 18-Nov-20 | 26-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall - Cafeteria North Elevation                                     |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1050   | Install Staging - Cafeteria North Elevation  | 10                 | 20-Jan-21 | 02-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Staging - Cafeteria North Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1060   | Install Stone along CL B - Cafeteria North Elevation                                 | 11                 | 27-Jan-21 | 10-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Stone along CL B - Cafeteria North Elevation                                 |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1065   | Install Stone along Porch - Cafeteria North Elevation                                | 10                 | 11-Feb-21 | 25-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Stone along Porch - Cafeteria North Elevation                                |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1080   | Washdown Masonry - Cafeteria North Elevation   | 4                  | 26-Feb-21 | 03-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Washdown Masonry - Cafeteria North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1170   | Remove Staging for Masonry - Cafeteria North Elevation                               | 5                  | 04-Mar-21 | 10-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Remove Staging for Masonry - Cafeteria North Elevation                               |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1180   | Install Staging for Upper Canopy - Cafeteria North Elevation                         | 10                 | 08-Mar-21 | 19-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Staging for Upper Canopy - Cafeteria North Elevation                         |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1120   | Install Metal Panel System at Upper Canopy - Cafeteria North Elevation               | 20                 | 22-Mar-21 | 16-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Metal Panel System at Upper Canopy - Cafeteria North Elevation               |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1090   | Remove Staging for Upper Canopy - Cafeteria North Elevation                          | 5                  | 20-Apr-21 | 26-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Remove Staging for Upper Canopy - Cafeteria North Elevation                          |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1160   | Frame & Sheath Lower Canopy - Cafeteria North Elevation                              | 5                  | 27-Apr-21 | 03-May-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Frame & Sheath Lower Canopy - Cafeteria North Elevation                              |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1150   | Install Metal Panel System at Lower Canopy - Cafeteria North Elevation               | 5                  | 04-May-21 | 10-May-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Metal Panel System at Lower Canopy - Cafeteria North Elevation               |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1100   | Caulk Facade - Cafeteria North Elevation   | 5                  | 11-May-21 | 17-May-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Caulk Facade - Cafeteria North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1190   | Waterproof Porch - Cafeteria North Elevation   | 10                 | 18-May-21 | 01-Jun-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Waterproof Porch - Cafeteria North Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1130   | Install Granite Treads - Cafeteria North Elevation                                   | 15                 | 02-Jun-21 | 22-Jun-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Granite Treads - Cafeteria North Elevation                                   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1200   | Install Granite Pavers - Cafeteria North Elevation                                   | 10                 | 23-Jun-21 | 07-Jul-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Granite Pavers - Cafeteria North Elevation                                   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CN-1140   | Install Metal Railings - Cafeteria North Elevation                                   | 15                 | 08-Jul-21 | 28-Jul-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Metal Railings - Cafeteria North Elevation                                   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Cafeteria West Elevation (CL A.5 to D)</b>   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1000   | Frame Canopy - Cafeteria West Elevation  | 5                  | 04-Nov-20 | 10-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Frame Canopy - Cafeteria West Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1010   | Sheath Canopy - Cafeteria West Elevation   | 5                  | 19-Nov-20 | 25-Nov-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Sheath Canopy - Cafeteria West Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1020   | Install AVB - Cafeteria West Elevation   | 5                  | 30-Nov-20 | 04-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install AVB - Cafeteria West Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1030   | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria West Elevation     | 5                  | 07-Dec-20 | 11-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria West Elevation     |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1046   | Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 1)              | 2                  | 16-Jan-21 | 17-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 1)              |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1210   | Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 2)              | 2                  | 23-Jan-21 | 24-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 2)              |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1040   | Install Curtain Wall - Cafeteria West Elevation including White Box (Weekday)        | 16                 | 27-Jan-21 | 18-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Curtain Wall - Cafeteria West Elevation including White Box (Weekday)        |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1060   | Install Stone - Cafeteria West Elevation   | 2                  | 26-Feb-21 | 01-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Install Stone - Cafeteria West Elevation   |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |
| CW-1080   | Washdown Masonry - Cafeteria West Elevation  | 1                  | 02-Mar-21 | 02-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  | ■ Washdown Masonry - Cafeteria West Elevation  |  |  |  |  |  |  |     |  |  |  |  |      |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID  | Activity Name  | Remaining Duration | Start     | Finish    | 2020   |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|--|--|--------------------|-----------|-----------|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|  |  |                    |           |           | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| CW-1180  | Install Staging for Upper Canopy - Cafeteria West Elevation  | 2                  | 22-Mar-21 | 23-Mar-21 | I Install Staging for Upper Canopy - Cafeteria West Elevation  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| CW-1120  | Install Metal Panel System at Upper Canopy - Cafeteria West Elevation  | 5                  | 20-Apr-21 | 26-Apr-21 | I Install Metal Panel System at Upper Canopy - Cafeteria West Elevation  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| CW-1090  | Remove Staging for Upper Canopy - Cafeteria West Elevation   | 2                  | 27-Apr-21 | 28-Apr-21 | I Remove Staging for Upper Canopy - Cafeteria West Elevation   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Elevators</b>   |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ELEV-1000  | Build Elevator Shafts - South  | 20                 | 10-Sep-20 | 07-Oct-20 | I Build Elevator Shafts - South  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ELEV-1010  | Install Elevators - South  | 60                 | 08-Oct-20 | 07-Jan-21 | I Install Elevators - South  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ELEV-1020  | Build Elevator Shaft - North   | 10                 | 11-Feb-21 | 25-Feb-21 | I Build Elevator Shaft - North   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ELEV-1030  | Install Elevators - North  | 60                 | 26-Feb-21 | 21-May-21 | I Install Elevators - North  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>MEP Systems</b>   |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1500   | Build Walls - Garden Level Mechanical & Electrical Rooms   | 15                 | 10-Sep-20 | 30-Sep-20 | I Build Walls - Garden Level Mechanical & Electrical Rooms   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1510   | FRP Equipment Pads - Garden Level Mechanical & Electrical Rooms  | 5                  | 01-Oct-20 | 07-Oct-20 | I FRP Equipment Pads - Garden Level Mechanical & Electrical Rooms  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Hot Water</b>   |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Garden Level</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2050   | Rig & Set Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System   | 2                  | 08-Oct-20 | 09-Oct-20 | I Rig & Set Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3350   | Install Mechanical Piping to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                                | 20                 | 13-Oct-20 | 09-Nov-20 | I Install Mechanical Piping to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3400   | Install Electrical Conduits & Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                     | 15                 | 10-Nov-20 | 03-Dec-20 | I Install Electrical Conduits & Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3360   | Install Controls Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                                  | 10                 | 04-Dec-20 | 17-Dec-20 | I Install Controls Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3370   | Fill, Flush & Treat Piping - Hot Water System  | 5                  | 18-Dec-20 | 24-Dec-20 | I Fill, Flush & Treat Piping - Hot Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3380   | Insulate Piping - Hot Water System   | 20                 | 28-Dec-20 | 26-Jan-21 | I Insulate Piping - Hot Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3390   | Start-up & Test - Hot Water System   | 15                 | 08-Jan-21 | 29-Jan-21 | I Start-up & Test - Hot Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Chilled Water</b>   |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Roof</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2000   | Rig & Set Chiller (CH-1) at Roof - Chilled Water System  | 2                  | 19-Aug-20 | 20-Aug-20 | I Rig & Set Chiller (CH-1) at Roof - Chilled Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2010   | Install Mechanical Piping to Chiller (CH-1) - Chilled Water System   | 20                 | 21-Aug-20 | 18-Sep-20 | I Install Mechanical Piping to Chiller (CH-1) - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2020   | Install Electrical Conduits & Wiring to Chiller (CH-1) - Chilled Water System  | 15                 | 21-Sep-20 | 09-Oct-20 | I Install Electrical Conduits & Wiring to Chiller (CH-1) - Chilled Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2030   | Install Controls Wiring to Chiller (CH-1) - Chilled Water System   | 10                 | 13-Oct-20 | 26-Oct-20 | I Install Controls Wiring to Chiller (CH-1) - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Garden Level</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2040   | Rig & Set Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                               | 2                  | 13-Oct-20 | 14-Oct-20 | I Rig & Set Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3200   | Rig & Set Glycol Feed System (GFT-1) - Chilled Water System  | 2                  | 15-Oct-20 | 16-Oct-20 | I Rig & Set Glycol Feed System (GFT-1) - Chilled Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3170   | Install Mechanical Piping to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System            | 20                 | 27-Oct-20 | 24-Nov-20 | I Install Mechanical Piping to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3180   | Install Electrical Conduits & Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System | 15                 | 18-Nov-20 | 10-Dec-20 | I Install Electrical Conduits & Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3210   | Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System   | 5                  | 25-Nov-20 | 03-Dec-20 | I Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3220   | Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System  | 5                  | 11-Dec-20 | 17-Dec-20 | I Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3190   | Install Controls Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System              | 10                 | 11-Dec-20 | 24-Dec-20 | I Install Controls Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3230   | Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System   | 5                  | 28-Dec-20 | 04-Jan-21 | I Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3320   | Fill, Flush & Treat Piping - Chilled Water System  | 5                  | 05-Jan-21 | 11-Jan-21 | I Fill, Flush & Treat Piping - Chilled Water System  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3330   | Insulate Piping - Chilled Water System   | 20                 | 12-Jan-21 | 09-Feb-21 | I Insulate Piping - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3340   | Start-up & Test - Chilled Water System   | 15                 | 27-Jan-21 | 17-Feb-21 | I Start-up & Test - Chilled Water System   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Air Handling</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Garden Level</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>AHU-3 (Kitchen) &amp; AHU-4 (Cafe/Servery)</b>            |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2060   | Rig & Set - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   | 2                  | 19-Oct-20 | 20-Oct-20 | I Rig & Set - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-2070   | Install Ductwork Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  | 15                 | 02-Nov-20 | 23-Nov-20 | I Install Ductwork Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3410   | Install Mechanical Piping Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   | 15                 | 17-Nov-20 | 09-Dec-20 | I Install Mechanical Piping Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3420   | Install Electrical Conduits & Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  | 15                 | 03-Dec-20 | 23-Dec-20 | I Install Electrical Conduits & Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3430   | Install Controls Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   | 10                 | 24-Dec-20 | 08-Jan-21 | I Install Controls Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3440   | Start-up & Test - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   | 5                  | 11-Mar-21 | 17-Mar-21 | I Start-up & Test - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Roof</b>  |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>AHU-5 (Class Northeast) &amp; AHU-6 (Class Northwest)</b> |  |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3450   | Rig & Set - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  | 1                  | 21-Aug-20 | 21-Aug-20 | I Rig & Set - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3460   | Install Ductwork Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)   | 15                 | 24-Aug-20 | 14-Sep-20 | I Install Ductwork Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3470   | Install Mechanical Piping Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                | 15                 | 08-Sep-20 | 28-Sep-20 | I Install Mechanical Piping Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3480   | Install Electrical Conduits & Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                 | 15                 | 22-Sep-20 | 13-Oct-20 | I Install Electrical Conduits & Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

|  |                           |  |                         |
|--|---------------------------|--|-------------------------|
|  | Remaining Level of Effort |  | Remaining Work          |
|  | Actual Level of Effort    |  | Critical Remaining Work |
|  | Actual Work               |  | Milestone               |



| Activity ID  | Activity Name   | Remaining Duration | Start     | Finish    | 2020   |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|--|---|--------------------|-----------|-----------|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|  |   |                    |           |           | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|  |   |                    |           |           | This area is reserved for the Gantt chart content  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3490   | Install Controls Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)           | 10                 | 14-Oct-20 | 27-Oct-20 | <span style="color: green;">■</span> Install Controls Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3500   | Start-up & Test - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                   | 5                  | 18-Feb-21 | 24-Feb-21 | <span style="color: red;">■</span> Start-up & Test - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>AHU-7 (Class Southeast) &amp; AHU-8 (Class South)</b> |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3510   | Rig & Set - AHU-7 (Class Southeast) & AHU-8 (Class South)                             | 1                  | 24-Aug-20 | 24-Aug-20 | <span style="color: green;">■</span> Rig & Set - AHU-7 (Class Southeast) & AHU-8 (Class South)                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3520   | Install Ductwork Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)          | 15                 | 08-Sep-20 | 28-Sep-20 | <span style="color: green;">■</span> Install Ductwork Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3530   | Install Mechanical Piping Connections - AHU-7 (Class Southeast) & AHU-8 (Class South) | 15                 | 22-Sep-20 | 13-Oct-20 | <span style="color: green;">■</span> Install Mechanical Piping Connections - AHU-7 (Class Southeast) & AHU-8 (Class South) |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3540   | Install Electrical Conduits & Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)  | 15                 | 06-Oct-20 | 27-Oct-20 | <span style="color: green;">■</span> Install Electrical Conduits & Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3550   | Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)               | 10                 | 28-Oct-20 | 10-Nov-20 | <span style="color: green;">■</span> Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3560   | Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                       | 5                  | 25-Feb-21 | 03-Mar-21 | <span style="color: red;">■</span> Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>AHU-1 (White Box) &amp; AHU-2 (Library)</b>           |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3570   | Rig & Set - AHU-1 (White Box) & AHU-2 (Library)                                       | 1                  | 25-Aug-20 | 25-Aug-20 | <span style="color: green;">■</span> Rig & Set - AHU-1 (White Box) & AHU-2 (Library)                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3580   | Install Ductwork Connections - AHU-1 (White Box) & AHU-2 (Library)                    | 15                 | 22-Sep-20 | 13-Oct-20 | <span style="color: green;">■</span> Install Ductwork Connections - AHU-1 (White Box) & AHU-2 (Library)                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3590   | Install Mechanical Piping Connections - AHU-1 (White Box) & AHU-2 (Library)           | 15                 | 06-Oct-20 | 27-Oct-20 | <span style="color: green;">■</span> Install Mechanical Piping Connections - AHU-1 (White Box) & AHU-2 (Library)           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3600   | Install Electrical Conduits & Wiring - AHU-1 (White Box) & AHU-2 (Library)            | 15                 | 21-Oct-20 | 10-Nov-20 | <span style="color: green;">■</span> Install Electrical Conduits & Wiring - AHU-1 (White Box) & AHU-2 (Library)            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3610   | Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)               | 10                 | 12-Nov-20 | 25-Nov-20 | <span style="color: green;">■</span> Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3620   | Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                       | 5                  | 04-Mar-21 | 10-Mar-21 | <span style="color: green;">■</span> Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Domestic Water</b>                                    |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3630   | Rig & Set - Domestic Water Heaters (DMH-1/2)  | 2                  | 19-Oct-20 | 20-Oct-20 | <span style="color: green;">■</span> Rig & Set - Domestic Water Heaters (DMH-1/2)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3640   | Install Plumbing Connections - Domestic Water Heaters (DMH-1/2)                       | 20                 | 21-Oct-20 | 18-Nov-20 | <span style="color: green;">■</span> Install Plumbing Connections - Domestic Water Heaters (DMH-1/2)                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3650   | Test Piping - Domestic Water Heaters (DMH-1/2)  | 5                  | 22-Jan-21 | 28-Jan-21 | <span style="color: green;">■</span> Test Piping - Domestic Water Heaters (DMH-1/2)  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3660   | Insulate Piping - Domestic Water Heaters (DMH-1/2)                                    | 15                 | 29-Jan-21 | 19-Feb-21 | <span style="color: green;">■</span> Insulate Piping - Domestic Water Heaters (DMH-1/2)                                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Electrical</b>  |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Garden Level</b>                                      |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3240   | Install Overhead Conduits & Electrical Panels - Permanent Power                       | 15                 | 08-Oct-20 | 29-Oct-20 | <span style="color: red;">■</span> Install Overhead Conduits & Electrical Panels - Permanent Power                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3250   | Rig, Set & Assemble Switchgear - Permanent Power                                      | 10                 | 30-Oct-20 | 13-Nov-20 | <span style="color: red;">■</span> Rig, Set & Assemble Switchgear - Permanent Power  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3290   | Install Doors & Secure Room - Permanent Power   | 10                 | 16-Nov-20 | 01-Dec-20 | <span style="color: red;">■</span> Install Doors & Secure Room - Permanent Power   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3260   | Wire & Terminate Panels & Switchgear - Permanent Power                                | 20                 | 16-Nov-20 | 15-Dec-20 | <span style="color: red;">■</span> Wire & Terminate Panels & Switchgear - Permanent Power                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3270   | Pull Conductors & Terminate - Permanent Power   | 5                  | 16-Dec-20 | 22-Dec-20 | <span style="color: red;">■</span> Pull Conductors & Terminate - Permanent Power   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3280   | Test Switchgear - Permanent Power   | 5                  | 23-Dec-20 | 30-Dec-20 | <span style="color: red;">■</span> Test Switchgear - Permanent Power   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3300   | Energize Switchgear - Permanent Power   | 5                  | 31-Dec-20 | 07-Jan-21 | <span style="color: red;">■</span> Energize Switchgear - Permanent Power   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-3310   | Permanent Power Available   | 0                  |           | 07-Jan-21 | <span style="color: black;">◆</span> Permanent Power Available   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Interiors</b>   |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1000   | MEP & Architectural Rough-in - L1   | 91                 | 18-Aug-20 | 30-Dec-20 | <span style="color: green;">■</span> MEP & Architectural Rough-in - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1010   | MEP & Architectural Rough-in - L2   | 62                 | 01-Sep-20 | 02-Dec-20 | <span style="color: green;">■</span> MEP & Architectural Rough-in - L2   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1040   | MEP & Architectural Rough-in - Garden Level   | 101                | 10-Sep-20 | 08-Feb-21 | <span style="color: green;">■</span> MEP & Architectural Rough-in - Garden Level   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1020   | MEP & Architectural Rough-in - L3   | 67                 | 16-Sep-20 | 23-Dec-20 | <span style="color: green;">■</span> MEP & Architectural Rough-in - L3   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| MEP-1030   | MEP & Architectural Rough-in - L4   | 72                 | 30-Sep-20 | 15-Jan-21 | <span style="color: green;">■</span> MEP & Architectural Rough-in - L4   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1000   | Interior Drywall & Finishes - L1  | 98                 | 11-Feb-21 | 01-Jul-21 | <span style="color: green;">■</span> Interior Drywall & Finishes - L1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1010   | Interior Drywall & Finishes - L2  | 118                | 26-Feb-21 | 13-Aug-21 | <span style="color: green;">■</span> Interior Drywall & Finishes - L2  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1020   | Interior Drywall & Finishes - L3  | 123                | 12-Mar-21 | 03-Sep-21 | <span style="color: green;">■</span> Interior Drywall & Finishes - L3  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1030   | Interior Drywall & Finishes - L4  | 128                | 26-Mar-21 | 27-Sep-21 | <span style="color: green;">■</span> Interior Drywall & Finishes - L4  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INT-1040   | Interior Drywall & Finishes - Garden Level  | 120                | 09-Apr-21 | 29-Sep-21 | <span style="color: green;">■</span> Interior Drywall & Finishes - Garden Level  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Level 1</b>   |   |                    |           |           |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1010  | Install MEP Risers - L1   | 10                 | 18-Aug-20 | 31-Aug-20 | <span style="color: red;">■</span> Install MEP Risers - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1000  | Install Tube Steel Wall Supports - L1   | 5                  | 01-Sep-20 | 08-Sep-20 | <span style="color: green;">■</span> Install Tube Steel Wall Supports - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1020  | Rough-in Overhead Ductwork - L1   | 15                 | 01-Sep-20 | 22-Sep-20 | <span style="color: red;">■</span> Rough-in Overhead Ductwork - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1030  | Rough-in Overhead Plumbing - L1   | 15                 | 01-Sep-20 | 22-Sep-20 | <span style="color: red;">■</span> Rough-in Overhead Plumbing - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1040  | Rough-in Overhead Mechanical Piping - L1  | 15                 | 09-Sep-20 | 29-Sep-20 | <span style="color: red;">■</span> Rough-in Overhead Mechanical Piping - L1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1050  | Rough-in Overhead Electrical Conduit - L1   | 20                 | 09-Sep-20 | 06-Oct-20 | <span style="color: red;">■</span> Rough-in Overhead Electrical Conduit - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1060  | Frame Electrical Closets - L1   | 3                  | 23-Sep-20 | 25-Sep-20 | <span style="color: green;">■</span> Frame Electrical Closets - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1070  | Rough Fire Protection - L1  | 10                 | 23-Sep-20 | 06-Oct-20 | <span style="color: green;">■</span> Rough Fire Protection - L1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1130  | Install Above Ceiling Mechanical Equipment - L1                                       | 10                 | 23-Sep-20 | 06-Oct-20 | <span style="color: green;">■</span> Install Above Ceiling Mechanical Equipment - L1                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1080  | Board & Tape Electrical Closets - L1  | 5                  | 28-Sep-20 | 02-Oct-20 | <span style="color: green;">■</span> Board & Tape Electrical Closets - L1  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1-1090  | Frame Interior Walls - L1   | 10                 | 30-Sep-20 | 14-Oct-20 | <span style="color: green;">■</span> Frame Interior Walls - L1   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone







| Activity ID    | Activity Name  | Remaining Duration | Start     | Finish    | 2020 |     |     |   |     |     |   |   |     |   |   |     | 2021   |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|----------------|--|--------------------|-----------|-----------|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|--|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|                |  |                    |           |           | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|                |  |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1430    | Install Fire Alarm Devices - L1 Cafeteria                        | 5                  | 06-Apr-21 | 12-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Fire Alarm Devices - L1 Cafeteria                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1455    | Perform Above Ceiling Inspections & Punch List - L1 Cafeteria    | 5                  | 13-Apr-21 | 20-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Perform Above Ceiling Inspections & Punch List - L1 Cafeteria    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1465    | Install Ceiling Tile - L1 Cafeteria                              | 8                  | 21-Apr-21 | 30-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Ceiling Tile - L1 Cafeteria                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1495    | Remove Rolling Staging - L1 Cafeteria                            | 5                  | 03-May-21 | 07-May-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Remove Rolling Staging - L1 Cafeteria                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1300    | Install Terrazzo - L1 Cafeteria                                  | 20                 | 20-May-21 | 17-Jun-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Terrazzo - L1 Cafeteria                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1200    | Install Resin Impregnated Wood Look Panels - L1 Cafeteria        | 10                 | 18-Jun-21 | 01-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Resin Impregnated Wood Look Panels - L1 Cafeteria        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1445    | Install Fintube Radiators - L1 Cafeteria                         | 10                 | 18-Jun-21 | 01-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Fintube Radiators - L1 Cafeteria                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1505    | Install Back Painted Glass - L1 Cafeteria                        | 10                 | 05-Jul-21 | 16-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Back Painted Glass - L1 Cafeteria                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1260    | Install Millwork - L1 Cafeteria                                  | 15                 | 05-Jul-21 | 23-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Millwork - L1 Cafeteria                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1320    | Install AV - L1 Cafeteria  | 5                  | 19-Jul-21 | 23-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install AV - L1 Cafeteria  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1350    | Install Window Shades - L1 Cafeteria                             | 5                  | 26-Jul-21 | 30-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Window Shades - L1 Cafeteria                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1400    | Construction Cleaning - L1 Cafeteria                             | 5                  | 02-Aug-21 | 06-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Construction Cleaning - L1 Cafeteria                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1290    | Balance HVAC - L1 Cafeteria                                      | 5                  | 09-Aug-21 | 13-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Balance HVAC - L1 Cafeteria                                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1410    | Skanska Punch List - L1 Cafeteria                                | 5                  | 09-Aug-21 | 13-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Skanska Punch List - L1 Cafeteria                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1CAFE-1420    | Architect Punch List - L1 Cafeteria                              | 2                  | 16-Aug-21 | 17-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Architect Punch List - L1 Cafeteria                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Servery</b> |  |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1000    | Frame Walls - L1 Servery   | 5                  | 15-Oct-20 | 21-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Frame Walls - L1 Servery   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1010    | Rough-in Plumbing In-Wall - L1 Servery                           | 10                 | 22-Oct-20 | 04-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Plumbing In-Wall - L1 Servery                           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1020    | Rough-in Electrical In-Wall - L1 Servery                         | 5                  | 05-Nov-20 | 12-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Electrical In-Wall - L1 Servery                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1030    | Perform In-Wall Inspections with Town & Punch List - L1 Servery  | 5                  | 23-Dec-20 | 30-Dec-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Perform In-Wall Inspections with Town & Punch List - L1 Servery  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1040    | Install Wood Blocking - L1 Servery                               | 3                  | 31-Dec-20 | 05-Jan-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Wood Blocking - L1 Servery                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1050    | Board Walls - L1 Servery   | 3                  | 26-Feb-21 | 02-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Board Walls - L1 Servery   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1060    | Tape & Finish Walls - L1 Servery                                 | 3                  | 03-Mar-21 | 05-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Tape & Finish Walls - L1 Servery                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1070    | Prime Paint & 1st Coat Walls - L1 Servery                        | 3                  | 08-Mar-21 | 10-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Prime Paint & 1st Coat Walls - L1 Servery                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1080    | Install Ceiling Grid & Cut/Device Tiles - L1 Servery             | 3                  | 11-Mar-21 | 15-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Ceiling Grid & Cut/Device Tiles - L1 Servery             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1085    | Install Simulated Wood Aluminum Ceiling Panels - L1 Servery      | 6                  | 11-Mar-21 | 18-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Simulated Wood Aluminum Ceiling Panels - L1 Servery      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1090    | Install MEP Drops at Ceiling Grid - L1 Servery                   | 5                  | 16-Mar-21 | 22-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install MEP Drops at Ceiling Grid - L1 Servery                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1100    | Above Ceiling Punch List - L1 Servery                            | 5                  | 23-Mar-21 | 29-Mar-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Above Ceiling Punch List - L1 Servery                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1110    | Install Wall Tile - L1 Servery                                   | 10                 | 23-Mar-21 | 05-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Wall Tile - L1 Servery                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1120    | Install Epoxy Flooring - L1 Servery                              | 3                  | 06-Apr-21 | 08-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Epoxy Flooring - L1 Servery                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1130    | Install Terrazzo Flooring - L1 Servery                           | 5                  | 09-Apr-21 | 15-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Terrazzo Flooring - L1 Servery                           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1135    | Install Overhead Garage Doros - L1 Servery                       | 2                  | 16-Apr-21 | 20-Apr-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Overhead Garage Doros - L1 Servery                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1140    | Install Kitchen Equipment - L1 Servery                           | 10                 | 07-Jul-21 | 20-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Kitchen Equipment - L1 Servery                           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1775    | Install Plumbing Connections to Kitchen Equipment - L1 Servery   | 5                  | 21-Jul-21 | 27-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Plumbing Connections to Kitchen Equipment - L1 Servery   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1785    | Install Electrical Connections to Kitchen Equipment - L1 Servery | 5                  | 26-Jul-21 | 30-Jul-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Electrical Connections to Kitchen Equipment - L1 Servery |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1795    | Install Ceiling Tile - L1 Servery                                | 3                  | 02-Aug-21 | 04-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Ceiling Tile - L1 Servery                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1825    | Test & Balance HVAC - L1 Servery                                 | 3                  | 05-Aug-21 | 09-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Test & Balance HVAC - L1 Servery                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1815    | Startup & Test Kitchen/Servery Equipment - L1 Servery            | 10                 | 05-Aug-21 | 18-Aug-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Startup & Test Kitchen/Servery Equipment - L1 Servery            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L1SERV-1835    | Board of Health Inspections - L1 Servery                         | 1                  | 21-Sep-21 | 21-Sep-21 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Board of Health Inspections - L1 Servery                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Level 2</b> |  |                    |           |           |      |     |     |   |     |     |   |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1010        | Install MEP Risers - L2  | 10                 | 01-Sep-20 | 15-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install MEP Risers - L2  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1000        | Install Tube Steel Wall Supports - L2                            | 5                  | 16-Sep-20 | 22-Sep-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Tube Steel Wall Supports - L2                            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1020        | Rough-in Overhead Ductwork - L2                                  | 15                 | 23-Sep-20 | 14-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Overhead Ductwork - L2                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1030        | Rough-in Overhead Plumbing - L2                                  | 15                 | 23-Sep-20 | 14-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Overhead Plumbing - L2                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1040        | Rough-in Overhead Mechanical Piping - L2                         | 15                 | 30-Sep-20 | 21-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Overhead Mechanical Piping - L2                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1050        | Rough-in Overhead Electrical Conduit - L2                        | 20                 | 30-Sep-20 | 28-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Overhead Electrical Conduit - L2                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1060        | Frame Electrical Closets - L2                                    | 3                  | 15-Oct-20 | 19-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Frame Electrical Closets - L2                                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1070        | Rough Fire Protection - L2                                       | 10                 | 15-Oct-20 | 28-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough Fire Protection - L2                                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1130        | Install Above Ceiling Mechanical Equipment - L2                  | 10                 | 15-Oct-20 | 28-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Install Above Ceiling Mechanical Equipment - L2                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1080        | Board & Tape Electrical Closets - L2                             | 5                  | 20-Oct-20 | 26-Oct-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Board & Tape Electrical Closets - L2                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1090        | Frame Interior Walls - L2  | 10                 | 22-Oct-20 | 04-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Frame Interior Walls - L2  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1450        | Insulate Overhead Mechanical Piping & HVAC Ductwork - L2         | 15                 | 22-Oct-20 | 12-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Insulate Overhead Mechanical Piping & HVAC Ductwork - L2         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1120        | Set Door Frames - L2   | 5                  | 27-Oct-20 | 02-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Set Door Frames - L2   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| L2-1110        | Rough-in Plumbing In-Wall - L2                                   | 10                 | 29-Oct-20 | 12-Nov-20 |      |     |     |   |     |     |   |   |     |   |   |     | ■ Rough-in Plumbing In-Wall - L2                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone















| Activity ID           | Activity Name   | Remaining Duration | Start     | Finish    | 2020  |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|-----------------------|---|--------------------|-----------|-----------|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|                       |   |                    |           |           | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|                       |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1835                | Board of Health Inspections - Garden Level Kitchen    | 1                  | 20-Sep-21 | 20-Sep-21 | Board of Health Inspections - Garden Level Kitchen    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Bathrooms</b>      |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1600                | Board & Install Cement Board - Garden Level Bathrooms | 3                  | 16-Apr-21 | 21-Apr-21 | Board & Install Cement Board - Garden Level Bathrooms |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1605                | Tape & Finish - Garden Level Bathrooms                | 3                  | 22-Apr-21 | 26-Apr-21 | Tape & Finish - Garden Level Bathrooms                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1610                | Prime Paint - Garden Level Bathrooms                  | 1                  | 27-Apr-21 | 27-Apr-21 | Prime Paint - Garden Level Bathrooms                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1615                | Install Counters - Garden Level Bathrooms             | 1                  | 28-Apr-21 | 28-Apr-21 | Install Counters - Garden Level Bathrooms             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1620                | Install Wall & Floor Tile - Garden Level Bathrooms    | 5                  | 10-May-21 | 14-May-21 | Install Wall & Floor Tile - Garden Level Bathrooms    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1625                | Install Plumbing Fixtures - Garden Level Bathrooms    | 3                  | 17-May-21 | 19-May-21 | Install Plumbing Fixtures - Garden Level Bathrooms    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1630                | Field Measure & Fab Mirrors - Garden Level Bathrooms  | 10                 | 17-May-21 | 28-May-21 | Field Measure & Fab Mirrors - Garden Level Bathrooms  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1635                | Install Toilet Partitions - Garden Level Bathrooms    | 2                  | 21-May-21 | 24-May-21 | Install Toilet Partitions - Garden Level Bathrooms    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1640                | Install Bathroom Accessories - Garden Level Bathrooms | 2                  | 25-May-21 | 26-May-21 | Install Bathroom Accessories - Garden Level Bathrooms |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1645                | Install Mirrors - Garden Level Bathrooms              | 1                  | 01-Jun-21 | 01-Jun-21 | Install Mirrors - Garden Level Bathrooms              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| G-1650                | Finish Paint - Garden Level Bathrooms                 | 1                  | 02-Jun-21 | 02-Jun-21 | Finish Paint - Garden Level Bathrooms                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Stair Finishes</b> |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Stair 1</b>        |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1000              | Frame Walls - Stair 1                                 | 5                  | 05-Nov-20 | 12-Nov-20 | Frame Walls - Stair 1                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1010              | Rough-in In-Wall Electric - Stair 1                   | 3                  | 13-Nov-20 | 17-Nov-20 | Rough-in In-Wall Electric - Stair 1                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1020              | Board Walls - Stair 1                                 | 3                  | 12-Mar-21 | 16-Mar-21 | Board Walls - Stair 1                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1030              | Tape & Finish Walls - Stair 1                         | 4                  | 17-Mar-21 | 22-Mar-21 | Tape & Finish Walls - Stair 1                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1040              | Prime Paint Walls & Stairs - Stair 1                  | 3                  | 23-Mar-21 | 25-Mar-21 | Prime Paint Walls & Stairs - Stair 1                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1050              | Install Tile Walls - Stair 1                          | 5                  | 30-Mar-21 | 05-Apr-21 | Install Tile Walls - Stair 1                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1100              | Install Wood Wall Panels - Stair 1                    | 10                 | 06-Apr-21 | 20-Apr-21 | Install Wood Wall Panels - Stair 1                    |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1060              | Install Wall Railings - Stair 1                       | 3                  | 21-Apr-21 | 23-Apr-21 | Install Wall Railings - Stair 1                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1070              | Finish Paint Stairs - Stair 1                         | 2                  | 26-Apr-21 | 27-Apr-21 | Finish Paint Stairs - Stair 1                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST1-1090              | Install Terrazzo Treads - Stair 1                     | 5                  | 28-Apr-21 | 04-May-21 | Install Terrazzo Treads - Stair 1                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Stair 2</b>        |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1000              | Frame Walls - Stair 2                                 | 15                 | 13-Nov-20 | 07-Dec-20 | Frame Walls - Stair 2                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1010              | Rough-in In-Wall Electric - Stair 2                   | 5                  | 08-Dec-20 | 14-Dec-20 | Rough-in In-Wall Electric - Stair 2                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1020              | Board Walls - Stair 2                                 | 10                 | 26-Mar-21 | 08-Apr-21 | Board Walls - Stair 2                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1030              | Tape & Finish Walls - Stair 2                         | 10                 | 09-Apr-21 | 23-Apr-21 | Tape & Finish Walls - Stair 2                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1040              | Prime Paint Walls & Stairs - Stair 2                  | 5                  | 26-Apr-21 | 30-Apr-21 | Prime Paint Walls & Stairs - Stair 2                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1050              | Install Tile Walls - Stair 2                          | 20                 | 03-May-21 | 28-May-21 | Install Tile Walls - Stair 2                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1060              | Install Wall Railings - Stair 2                       | 10                 | 01-Jun-21 | 14-Jun-21 | Install Wall Railings - Stair 2                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1070              | Paint Railings & Finish Paint Stairs - Stair 2        | 5                  | 15-Jun-21 | 21-Jun-21 | Paint Railings & Finish Paint Stairs - Stair 2        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1080              | Install Light Fixtures - Stair 2                      | 2                  | 22-Jun-21 | 23-Jun-21 | Install Light Fixtures - Stair 2                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST2-1090              | Install Rubber Flooring - Stair 2                     | 10                 | 24-Jun-21 | 08-Jul-21 | Install Rubber Flooring - Stair 2                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Stair 3</b>        |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1000              | Frame Walls - Stair 3                                 | 15                 | 08-Dec-20 | 29-Dec-20 | Frame Walls - Stair 3                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1010              | Rough-in In-Wall Electric - Stair 3                   | 5                  | 30-Dec-20 | 06-Jan-21 | Rough-in In-Wall Electric - Stair 3                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1020              | Board Walls - Stair 3                                 | 10                 | 09-Apr-21 | 23-Apr-21 | Board Walls - Stair 3                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1030              | Tape & Finish Walls - Stair 3                         | 10                 | 26-Apr-21 | 07-May-21 | Tape & Finish Walls - Stair 3                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1040              | Prime Paint Walls & Stairs - Stair 3                  | 5                  | 10-May-21 | 14-May-21 | Prime Paint Walls & Stairs - Stair 3                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1050              | Install Tile Walls - Stair 3                          | 20                 | 01-Jun-21 | 28-Jun-21 | Install Tile Walls - Stair 3                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1060              | Install Wall Railings - Stair 3                       | 10                 | 29-Jun-21 | 13-Jul-21 | Install Wall Railings - Stair 3                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1070              | Paint Railings & Finish Paint Stairs - Stair 3        | 5                  | 14-Jul-21 | 20-Jul-21 | Paint Railings & Finish Paint Stairs - Stair 3        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1080              | Install Light Fixtures - Stair 3                      | 2                  | 21-Jul-21 | 22-Jul-21 | Install Light Fixtures - Stair 3                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST3-1090              | Install Rubber Flooring - Stair 3                     | 10                 | 23-Jul-21 | 05-Aug-21 | Install Rubber Flooring - Stair 3                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Stair 6/7</b>      |   |                    |           |           |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1000            | Frame Walls - Stair 6/7                               | 15                 | 30-Dec-20 | 21-Jan-21 | Frame Walls - Stair 6/7                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1010            | Rough-in In-Wall Electric - Stair 6/7                 | 5                  | 22-Jan-21 | 28-Jan-21 | Rough-in In-Wall Electric - Stair 6/7                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1020            | Board Walls - Stair 6/7                               | 8                  | 26-Apr-21 | 05-May-21 | Board Walls - Stair 6/7                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1030            | Tape & Finish Walls - Stair 6/7                       | 8                  | 06-May-21 | 17-May-21 | Tape & Finish Walls - Stair 6/7                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1040            | Prime Paint Walls & Stairs - Stair 6/7                | 4                  | 18-May-21 | 21-May-21 | Prime Paint Walls & Stairs - Stair 6/7                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1050            | Install Tile Walls - Stair 6/7                        | 15                 | 29-Jun-21 | 20-Jul-21 | Install Tile Walls - Stair 6/7                        |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

█ Remaining Level of Effort     Remaining Work  
█ Actual Level of Effort     Critical Remaining Work  
 Actual Work    ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start      | Finish     | 2020  |     |     |   |     |     |   |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |   |     | 2022 |     |     |   |     |     |     |   |     |   |     |  |
|--|---|--------------------|------------|------------|---|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|---|-----|------|-----|-----|---|-----|-----|-----|---|-----|---|-----|--|
|  |   |                    |            |            | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | Dec |  |
|  |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1060   | Install Wall Railings - Stair 6/7                               | 8                  | 21-Jul-21  | 30-Jul-21  | ■ Install Wall Railings - Stair 6/7                               |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1070   | Paint Railings & Finish Paint Stairs - Stair 6/7                | 4                  | 02-Aug-21  | 05-Aug-21  | ■ Paint Railings & Finish Paint Stairs - Stair 6/7                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1080   | Install Light Fixtures - Stair 6/7                              | 2                  | 06-Aug-21  | 09-Aug-21  | ■ Install Light Fixtures - Stair 6/7                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| ST6/7-1090   | Install Linoleum Flooring - Stair 6/7                           | 8                  | 10-Aug-21  | 19-Aug-21  | ■ Install Linoleum Flooring - Stair 6/7                           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>General</b>   |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| GEN-1000   | Install Building Signage  | 15                 | 23-Aug-21  | 13-Sep-21  | ■ Install Building Signage  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Commissioning</b>                                     |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| COMM-1000  | Commission MEPs   | 60                 | 26-Aug-21  | 22-Nov-21  | ■ Commission MEPs   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Hardscapes &amp; Landscaping</b>                      |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| EXT-6010   | Remove Temp Poles from Park                                     | 9                  | 12-Apr-21* | 23-Apr-21  | ■ Remove Temp Poles from Park                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| EXT-6000   | Install Hardscapes & Landscaping                                | 80                 | 29-Apr-21* | 20-Aug-21  | ■ Install Hardscapes & Landscaping                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Final Testing, Inspections &amp; Occupancy</b>        |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Plumbing System</b>                                   |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1160   | Perform Potable Water Chlorination                              | 5                  | 28-Jul-21  | 03-Aug-21  | ■ Perform Potable Water Chlorination                              |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1220   | Issue Potable Water Chlorination Report                         | 0                  |            | 03-Aug-21  | ◆ Issue Potable Water Chlorination Report                         |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Water &amp; Sewer System</b>                          |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1240   | Acquire GSA Permit  | 1                  | 04-Aug-21  | 04-Aug-21  | ■ Acquire GSA Permit  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>BDA Testing</b>                                       |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1330   | Test Bi-Directional Amplifier                                   | 1                  | 10-Aug-21  | 10-Aug-21  | ■ Test Bi-Directional Amplifier                                   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Emergency Power System &amp; Power Outage Testing</b> |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1140   | Ceilings, Lights & Exit Signs Complete                          | 0                  |            | 09-Aug-21  | ◆ Ceilings, Lights & Exit Signs Complete                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1250   | Pre-test for Lights Out Testing                                 | 1                  | 10-Aug-21  | 10-Aug-21  | ■ Pre-test for Lights Out Testing                                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1300   | Correct Issues for Brookline Lights Out Testing                 | 2                  | 11-Aug-21  | 12-Aug-21  | ■ Correct Issues for Brookline Lights Out Testing                 |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1320   | Perform Lights Out Testing with Brookline                       | 1                  | 13-Aug-21  | 13-Aug-21  | ■ Perform Lights Out Testing with Brookline                       |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Fire Alarm System</b>                                 |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1030   | Test Fire Alarm - Garden Level Devices, Speakers & Duct Smokes  | 2                  | 06-Aug-21  | 09-Aug-21  | ■ Test Fire Alarm - Garden Level Devices, Speakers & Duct Smokes  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1060   | NFPA 72 Fire Alarm Testing                                      | 9                  | 06-Aug-21  | 18-Aug-21  | ■ NFPA 72 Fire Alarm Testing                                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1070   | Test Fire Alarm - L1 Devices, Speakers & Duct Smokes            | 2                  | 10-Aug-21  | 11-Aug-21  | ■ Test Fire Alarm - L1 Devices, Speakers & Duct Smokes            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1090   | Test Fire Alarm - L2 Devices, Speakers & Duct Smokes            | 2                  | 12-Aug-21  | 13-Aug-21  | ■ Test Fire Alarm - L2 Devices, Speakers & Duct Smokes            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1110   | Test Fire Alarm - L3 Devices, Speakers & Duct Smokes            | 2                  | 16-Aug-21  | 17-Aug-21  | ■ Test Fire Alarm - L3 Devices, Speakers & Duct Smokes            |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1260   | Test Fire Alarm - L4 Speakers & Duct Smokes                     | 1                  | 18-Aug-21  | 18-Aug-21  | ■ Test Fire Alarm - L4 Speakers & Duct Smokes                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1370   | Submit Record of Completion (ROC) to Brookline                  | 5                  | 20-Aug-21  | 26-Aug-21  | ■ Submit Record of Completion (ROC) to Brookline                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1420   | Brookline ROC NFPA 72 Test                                      | 3                  | 27-Aug-21  | 31-Aug-21  | ■ Brookline ROC NFPA 72 Test                                      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Elevators</b>   |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1310   | Preliminary Test Elevator with Fire Alarm Recall                | 3                  | 16-Aug-21  | 18-Aug-21  | ■ Preliminary Test Elevator with Fire Alarm Recall                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1390   | Complete Elevator Cleaning & Adjustment for Inspection          | 10                 | 19-Aug-21  | 01-Sep-21  | ■ Complete Elevator Cleaning & Adjustment for Inspection          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1470   | Complete Phone Service to Elevators                             | 0                  |            | 01-Sep-21  | ◆ Complete Phone Service to Elevators                             |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1480   | State (Mass 524) Inspection & Signoff                           | 3                  | 02-Sep-21  | 07-Sep-21  | ■ State (Mass 524) Inspection & Signoff                           |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Fire Protection System</b>                            |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1000   | Flow Test Fire Protection System                                | 5                  | 10-Aug-21  | 16-Aug-21  | ■ Flow Test Fire Protection System                                |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1020   | Checkout Tampers & Flows  | 1                  | 17-Aug-21  | 17-Aug-21  | ■ Checkout Tampers & Flows  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1350   | Test Stand Pipe & Floor Control Valves with PRVs - Stair 2      | 2                  | 18-Aug-21  | 19-Aug-21  | ■ Test Stand Pipe & Floor Control Valves with PRVs - Stair 2      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1520   | Test Stand Pipe & Floor Control Valves with PRVs - Stair 3      | 2                  | 20-Aug-21  | 23-Aug-21  | ■ Test Stand Pipe & Floor Control Valves with PRVs - Stair 3      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1450   | Brookline Fire Protection Test                                  | 1                  | 01-Sep-21  | 01-Sep-21  | ■ Brookline Fire Protection Test                                  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| <b>Final Inspections &amp; C of O</b>                    |   |                    |            |            |   |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1230   | Final Plumbing Signoff  | 1                  | 04-Aug-21  | 04-Aug-21  | ■ Final Plumbing Signoff  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1340   | Final Electrical Signoff  | 1                  | 16-Aug-21  | 16-Aug-21  | ■ Final Electrical Signoff  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INSP-1030  | Owner Install FF&E  | 10                 | 23-Aug-21  | 03-Sep-21  | ■ Owner Install FF&E  |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1490   | Final Life Safety Walk-thru                                     | 2                  | 21-Sep-21  | 22-Sep-21  | ■ Final Life Safety Walk-thru                                     |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| LSI-1460   | Receive Final Architectural, Mechanical & Structural Affidavits | 2                  | 30-Sep-21  | 01-Oct-21  | ■ Receive Final Architectural, Mechanical & Structural Affidavits |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INSP-1010  | Final Building Sign Off Acquire C of O                          | 5                  | 04-Oct-21  | 08-Oct-21  | ■ Final Building Sign Off Acquire C of O                          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |
| INSP-1020  | Substantial Completion - Project A: 111 Cypress Street          | 0                  |            | 08-Oct-21* | ◆ Substantial Completion - Project A: 111 Cypress Street          |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |   |     |      |     |     |   |     |     |     |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID   | Activity Name   | Remaining Duration | Start       | Finish     | 2020  |     |     |   |     |     |     |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |     |     | 2022 |     |     |   |     |     |   |   |     |   |     |  |
|---|---|--------------------|-------------|------------|---|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|--|
|   |   |                    |             |            | F   | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec |  |
| <b>Brookline High School - Project C - 10Feb20 R1 Schedule Update</b> |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Executive Summary</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1070   | Bid Period  | 23                 | 04-Mar-19 A | 12-Mar-20  | ■ Bid Period  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1060   | Construction Project C - Demo Roberts Wing & Build New STEM Wing    | 303                | 21-Aug-19 A | 27-Apr-21  | ■ Construction Project C - Demo Roberts Wing & Build New STEM Wing    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1110   | Last Day for Overhead Electrical Relocation in Order to Start Steel | 0                  |             | 13-Mar-20  | ◆ Last Day for Overhead Electrical Relocation in Order to Start Steel |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1320   | Construction Project C - Owner Install FF&E New STEM Wing           | 10                 | 18-Mar-21   | 31-Mar-21  | ■ Construction Project C - Owner Install FF&E New STEM Wing           |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1310   | Summary - STEM Interim Completion Date                              | 0                  |             | 27-Apr-21  | ◆ Summary - STEM Interim Completion Date                              |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Work Order Milestones</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1390   | Last Day for STEM Fire, Water & Sewer Service Installation          | 0                  |             | 11-Feb-20  | ◆ Last Day for STEM Fire, Water & Sewer Service Installation          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXEC-1330   | Last Day for Overhead Wire Relocation                               | 0                  |             | 13-Mar-20  | ◆ Last Day for Overhead Wire Relocation                               |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>BHS Academic Calendar</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1030  | February Break - 2020   | 5                  | 18-Feb-20*  | 22-Feb-20* | ■ February Break - 2020   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1040  | April Break - 2020  | 5                  | 20-Apr-20*  | 24-Apr-20* | ■ April Break - 2020  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1050  | Last Day of School - 2019/2020                                      | 0                  |             | 22-Jun-20* | ◆ Last Day of School - 2019/2020                                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1060  | First Day of School - 2020/2021                                     | 0                  |             | 03-Sep-20* | ◆ First Day of School - 2020/2021                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1070  | December Break - 2020   | 8                  | 25-Dec-20*  | 01-Jan-21* | ■ December Break - 2020   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1080  | February Break - 2021   | 5                  | 15-Feb-21*  | 19-Feb-21* | ■ February Break - 2021   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1090  | April Break - 2021  | 5                  | 19-Apr-21*  | 23-Apr-21* | ■ April Break - 2021  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1100  | Last Day of School - 2020/2021                                      | 0                  |             | 22-Jun-21* | ◆ Last Day of School - 2020/2021                                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| BHS-1110  | First Day of School - 2021//2022                                    | 0                  |             | 02-Sep-21* | ◆ First Day of School - 2021//2022                                    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Design / Preconstruction Phase</b>                                 |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>GMP (Project C Only)</b>   |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRE-1170  | Prepare & Submit - GMP  | 14                 | 02-Aug-19 A | 28-Feb-20  | ■ Prepare & Submit - GMP  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRE-1180  | Review & Execute - GMP  | 15                 | 02-Mar-20   | 20-Mar-20  | ■ Review & Execute - GMP  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRE-1190  | Agreement Executed - GMP  | 0                  |             | 20-Mar-20  | ◆ Agreement Executed - GMP  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Schedule Impacts</b>   |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Bulletin 022 - Remaining Building Demo</b>                         |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1260  | Patch, Repair & Clean Rooms - Bulletin 022                          | 3                  | 30-Jan-20 A | 12-Feb-20  | ■ Patch, Repair & Clean Rooms - Bulletin 022                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>RFI 190 - Remaining Building Demo</b>                              |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1370  | Engineer Shoring - RFI 190  | 2                  | 31-Jan-20 A | 11-Feb-20  | ■ Engineer Shoring - RFI 190  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1440  | Perform Added L3 Corridor Work - RFI 190                            | 5                  | 10-Feb-20   | 14-Feb-20  | ■ Perform Added L3 Corridor Work - RFI 190                            |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1410  | Review & Approve -Shoring - RFI 190                                 | 2                  | 12-Feb-20   | 13-Feb-20  | ■ Review & Approve -Shoring - RFI 190                                 |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1460  | Patch Temp Exterior Walls - RFI 190                                 | 2                  | 15-Feb-20   | 16-Feb-20  | ■ Patch Temp Exterior Walls - RFI 190                                 |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1450  | Install Shoring - RFI 190   | 4                  | 15-Feb-20   | 19-Feb-20  | ■ Install Shoring - RFI 190   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1270  | Complete Building Demo - Bulletin 022 / RFI 190                     | 10                 | 20-Feb-20   | 29-Feb-20  | ■ Complete Building Demo - Bulletin 022 / RFI 190                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| IMP-1280  | Tie In Roofing / Complete Waterproofing - Bulletin 022 / RFI 190    | 7                  | 02-Mar-20   | 10-Mar-20  | ■ Tie In Roofing / Complete Waterproofing - Bulletin 022 / RFI 190    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Procurement</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Design Assist</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Curtain Wall Design Assist</b>                                     |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-1460  | Fab & Available for Delivery - Curtain Wall                         | 72                 | 29-Jan-20 A | 21-May-20  | ■ Fab & Available for Delivery - Curtain Wall                         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Early Bid Packages</b>   |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Elevators</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-1910  | Fab & Available for Delivery - Elevators                            | 46                 | 06-Nov-19 A | 14-Apr-20  | ■ Fab & Available for Delivery - Elevators                            |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Structural Steel</b>   |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-1680  | Fab & Available for Delivery - Structural Steel                     | 1                  | 12-Dec-19 A | 10-Feb-20  | ■ Fab & Available for Delivery - Structural Steel                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Remaining Procurement Post CDs (Trade Contractors)</b>             |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Plumbing (Trade Contractor)</b>                                    |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4700  | Fab/Deliver Equipment - Plumbing Fixtures                           | 65                 | 31-Dec-19 A | 12-May-20  | ■ Fab/Deliver Equipment - Plumbing Fixtures                           |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Fire Protection (Trade Contractor)</b>                             |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4680  | A/E Review & Approve Submittals - Fire Protection Piping            | 25                 | 19-Dec-19 A | 16-Mar-20  | ■ A/E Review & Approve Submittals - Fire Protection Piping            |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>HVAC (Trade Contractor)</b>  |   |                    |             |            |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone





| Activity ID  | Activity Name  | Remaining Duration | Start       | Finish    | 2020   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   | 2021 |     |   |   |     |   |     |  |  |  |  |  | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------|-------------|-----------|--|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|---|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|---|-----|-----|---|------|-----|---|---|-----|---|-----|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|
|  |  |                    |             |           | F   Mar   Apr   M   Jun   Jul   Aug   S   Oct   N   D                                    |     |     |   |     |     |     |   |     |   |   |     | Jan   F   Mar   Apr   M   Jun   Jul   A   S   Oct   N   Dec |     |     |   |     |     |   |   |     |   |     |     | Jan   F   Mar   Apr   M   Jun   Jul   A   S   Oct   N   Dec |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                    |             |           | F  | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F   | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F   | Mar | Apr | M | Jun  | Jul | A | S | Oct | N | Dec |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5310   | Fab & Available for Delivery - Terrazzo  | 30                 | 22-Apr-20   | 03-Jun-20 | Fab & Available for Delivery - Terrazzo  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Acoustical Ceiling Tile (Trade Contractor)</b>      |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2810   | Subcontractor Issue Submittals - Acoustical Metal Panels                                 | 40                 | 07-Nov-19 A | 06-Apr-20 | Subcontractor Issue Submittals - Acoustical Metal Panels                                 |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2800   | Subcontractor Issue Submittals - ACT   | 40                 | 08-Nov-19 A | 06-Apr-20 | Subcontractor Issue Submittals - ACT   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2820   | A/E Review & Approve Submittals - ACT  | 15                 | 07-Apr-20   | 28-Apr-20 | A/E Review & Approve Submittals - ACT  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2830   | A/E Review & Approve Submittals - Acoustical Metal Panels                                | 15                 | 07-Apr-20   | 28-Apr-20 | A/E Review & Approve Submittals - Acoustical Metal Panels                                |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2840   | Fab & Available for Delivery - ACT   | 15                 | 29-Apr-20   | 19-May-20 | Fab & Available for Delivery - ACT   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2850   | Fab & Available for Delivery - Acoustical Metal Panels                                   | 40                 | 29-Apr-20   | 24-Jun-20 | Fab & Available for Delivery - Acoustical Metal Panels                                   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Resilient Flooring (Trade Contractor)</b>           |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2880   | Subcontractor Issue Submittals - Resilient Flooring                                      | 58                 | 13-Nov-19 A | 01-May-20 | Subcontractor Issue Submittals - Resilient Flooring                                      |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2890   | A/E Review & Approve Submittals - Resilient Flooring                                     | 15                 | 04-May-20   | 22-May-20 | A/E Review & Approve Submittals - Resilient Flooring                                     |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-2900   | Fab & Available for Delivery - Resilient Flooring  | 30                 | 26-May-20   | 07-Jul-20 | Fab & Available for Delivery - Resilient Flooring  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Remaining Procurement Post CDs (Subcontractors)</b> |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Carpentry &amp; Drywall</b>                         |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3040   | Execute Contract - Carpentry & Drywall   | 5                  | 23-Dec-19 A | 14-Feb-20 | Execute Contract - Carpentry & Drywall   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3050   | Subcontractor Issue Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing  | 15                 | 31-Dec-19 A | 09-Mar-20 | Subcontractor Issue Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3060   | Subcontractor Issue Submittals - Carpentry & Drywall Non-Structural Metal Framing        | 15                 | 31-Dec-19 A | 09-Mar-20 | Subcontractor Issue Submittals - Carpentry & Drywall Non-Structural Metal Framing        |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3070   | A/E Review & Approve Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing | 10                 | 10-Mar-20   | 23-Mar-20 | A/E Review & Approve Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3090   | A/E Review & Approve Submittals - Carpentry & Drywall Non-Structural Metal Framing       | 15                 | 10-Mar-20   | 30-Mar-20 | A/E Review & Approve Submittals - Carpentry & Drywall Non-Structural Metal Framing       |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3080   | Fab & Available for Delivery - Carpentry & Drywall Exterior Cold Formed Metal Framing    | 15                 | 24-Mar-20   | 13-Apr-20 | Fab & Available for Delivery - Carpentry & Drywall Exterior Cold Formed Metal Framing    |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3100   | Fab & Available for Delivery - Carpentry & Drywall Non-Structural Metal Framing          | 10                 | 31-Mar-20   | 13-Apr-20 | Fab & Available for Delivery - Carpentry & Drywall Non-Structural Metal Framing          |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Spray Fireproofing</b>                              |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3160   | A/E Review & Approve Submittals - Spray Fireproofing                                     | 9                  | 07-Feb-20 A | 21-Feb-20 | A/E Review & Approve Submittals - Spray Fireproofing                                     |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3170   | Fab & Available for Delivery - Spray Fireproofing  | 3                  | 24-Feb-20   | 26-Feb-20 | Fab & Available for Delivery - Spray Fireproofing  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Doors, Frames And Hardware</b>                      |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3230   | Subcontractor Issue Submittals - Door Hardware   | 4                  | 22-Jan-20 A | 13-Feb-20 | Subcontractor Issue Submittals - Door Hardware   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3210   | Execute Contract - Doors, Frames & Hardware  | 5                  | 22-Jan-20 A | 14-Feb-20 | Execute Contract - Doors, Frames & Hardware  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3220   | Subcontractor Issue Submittals - Interior Wood Doors                                     | 4                  | 10-Feb-20   | 13-Feb-20 | Subcontractor Issue Submittals - Interior Wood Doors                                     |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3240   | Subcontractor Issue Submittals - HM Door Frames  | 4                  | 10-Feb-20   | 13-Feb-20 | Subcontractor Issue Submittals - HM Door Frames  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3250   | Subcontractor Issue Submittals - HM Doors  | 4                  | 10-Feb-20   | 13-Feb-20 | Subcontractor Issue Submittals - HM Doors  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3260   | A/E Review & Approve Submittals - Interior Wood Doors                                    | 15                 | 14-Feb-20   | 06-Mar-20 | A/E Review & Approve Submittals - Interior Wood Doors                                    |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3270   | A/E Review & Approve Submittals - Door Hardware  | 15                 | 14-Feb-20   | 06-Mar-20 | A/E Review & Approve Submittals - Door Hardware  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3280   | A/E Review & Approve Submittals - HM Door Frames   | 15                 | 14-Feb-20   | 06-Mar-20 | A/E Review & Approve Submittals - HM Door Frames   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3290   | A/E Review & Approve Submittals - HM Doors   | 15                 | 14-Feb-20   | 06-Mar-20 | A/E Review & Approve Submittals - HM Doors   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3300   | Fab & Available for Delivery - HM Door Frames  | 25                 | 09-Mar-20   | 10-Apr-20 | Fab & Available for Delivery - HM Door Frames  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3330   | Fab & Available for Delivery - HM Doors  | 50                 | 09-Mar-20   | 18-May-20 | Fab & Available for Delivery - HM Doors  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3310   | Fab & Available for Delivery - Interior Wood Doors                                       | 65                 | 09-Mar-20   | 09-Jun-20 | Fab & Available for Delivery - Interior Wood Doors                                       |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3320   | Fab & Available for Delivery - Door Hardware   | 65                 | 09-Mar-20   | 09-Jun-20 | Fab & Available for Delivery - Door Hardware   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Millwork &amp; Finish Carpentry</b>                 |  |                    |             |           |  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3350   | Owner Review/Approve RTA - Millwork & Finish Carpentry                                   | 3                  | 07-Feb-20 A | 12-Feb-20 | Owner Review/Approve RTA - Millwork & Finish Carpentry                                   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6720   | Building Commission Approves Contract - Millwork & Finish Carpentry                      | 1                  | 10-Mar-20   | 10-Mar-20 | Building Commission Approves Contract - Millwork & Finish Carpentry                      |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3360   | Award Contract - Millwork & Finish Carpentry   | 2                  | 11-Mar-20   | 12-Mar-20 | Award Contract - Millwork & Finish Carpentry   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3370   | Execute Contract - Millwork & Finish Carpentry   | 5                  | 13-Mar-20   | 19-Mar-20 | Execute Contract - Millwork & Finish Carpentry   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3380   | Subcontractor Issue Submittals - Millwork Display Cases                                  | 25                 | 20-Mar-20   | 24-Apr-20 | Subcontractor Issue Submittals - Millwork Display Cases                                  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3390   | Subcontractor Issue Submittals - Millwork Wood Benches                                   | 25                 | 20-Mar-20   | 24-Apr-20 | Subcontractor Issue Submittals - Millwork Wood Benches                                   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3400   | Subcontractor Issue Submittals - Millwork Countertops                                    | 25                 | 20-Mar-20   | 24-Apr-20 | Subcontractor Issue Submittals - Millwork Countertops                                    |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3410   | Subcontractor Issue Submittals - Millwork Wood Veneer Casework                           | 25                 | 20-Mar-20   | 24-Apr-20 | Subcontractor Issue Submittals - Millwork Wood Veneer Casework                           |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3420   | Subcontractor Issue Submittals - Millwork Plastic Laminate Casework                      | 25                 | 20-Mar-20   | 24-Apr-20 | Subcontractor Issue Submittals - Millwork Plastic Laminate Casework                      |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3430   | A/E Review & Approve Submittals - Millwork Display Cases                                 | 15                 | 27-Apr-20   | 15-May-20 | A/E Review & Approve Submittals - Millwork Display Cases                                 |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3440   | A/E Review & Approve Submittals - Millwork Wood Benches                                  | 15                 | 27-Apr-20   | 15-May-20 | A/E Review & Approve Submittals - Millwork Wood Benches                                  |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3450   | A/E Review & Approve Submittals - Millwork Countertops                                   | 15                 | 27-Apr-20   | 15-May-20 | A/E Review & Approve Submittals - Millwork Countertops                                   |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3460   | A/E Review & Approve Submittals - Millwork Wood Veneer Casework                          | 15                 | 27-Apr-20   | 15-May-20 | A/E Review & Approve Submittals - Millwork Wood Veneer Casework                          |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3470   | A/E Review & Approve Submittals - Millwork Plastic Laminate Casework                     | 15                 | 27-Apr-20   | 15-May-20 | A/E Review & Approve Submittals - Millwork Plastic Laminate Casework                     |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3480   | Fab & Available for Delivery - Millwork Display Cases                                    | 35                 | 18-May-20   | 07-Jul-20 | Fab & Available for Delivery - Millwork Display Cases                                    |     |     |   |     |     |     |   |     |   |   |     |   |     |     |   |     |     |   |   |     |   |     |     |   |     |     |   |      |     |   |   |     |   |     |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort        █ Critical Remaining Work  
█ Actual Work                        ◆ Milestone







| Activity ID            | Activity Name  | Remaining Duration | Start       | Finish    | 2020 |     |     |   |     |     |     |   |     |   |   |     | 2021   |     |     |   |     |     |   |   |     |   |     |     | 2022 |     |     |   |     |     |   |   |     |   |     |  |
|------------------------|--|--------------------|-------------|-----------|------|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|--|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|--|
|                        |  |                    |             |           | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F  | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec |  |
| PRO-4380               | Award Contract - Window Treatments                                   | 2                  | 12-Feb-20   | 13-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Award Contract - Window Treatments                                   |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4390               | Execute Contract - Window Treatments                                 | 5                  | 14-Feb-20   | 21-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Execute Contract - Window Treatments                                 |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4400               | Subcontractor Issue Submittals - Window Treatments                   | 20                 | 24-Feb-20   | 20-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Subcontractor Issue Submittals - Window Treatments                   |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4410               | A/E Review & Approve Submittals - Window Treatments                  | 15                 | 23-Mar-20   | 10-Apr-20 |      |     |     |   |     |     |     |   |     |   |   |     | A/E Review & Approve Submittals - Window Treatments                  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4420               | Fab & Available for Delivery - Window Treatments                     | 20                 | 13-Apr-20   | 11-May-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Window Treatments                     |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Signage</b>         |  |                    |             |           |      |     |     |   |     |     |     |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-6880               | Building Commission Approves Contract - Signage                      | 1                  | 11-Feb-20   | 11-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Building Commission Approves Contract - Signage                      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4450               | Award Contract - Signage   | 2                  | 12-Feb-20   | 13-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Award Contract - Signage   |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4460               | Execute Contract - Signage   | 5                  | 14-Feb-20   | 21-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Execute Contract - Signage   |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4470               | Subcontractor Issue Submittals - Signage                             | 20                 | 24-Feb-20   | 20-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Subcontractor Issue Submittals - Signage                             |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4480               | A/E Review & Approve Submittals - Signage                            | 15                 | 23-Mar-20   | 10-Apr-20 |      |     |     |   |     |     |     |   |     |   |   |     | A/E Review & Approve Submittals - Signage                            |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4490               | Fab & Available for Delivery - Signage                               | 40                 | 13-Apr-20   | 09-Jun-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Signage                               |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Landscaping</b>     |  |                    |             |           |      |     |     |   |     |     |     |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4020               | Owner Review/Approve RTA - Landscaping                               | 3                  | 06-Feb-20 A | 12-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Owner Review/Approve RTA - Landscaping                               |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-6890               | Building Commission Approves Contract - Landscaping                  | 1                  | 10-Mar-20   | 10-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Building Commission Approves Contract - Landscaping                  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4030               | Award Contract - Landscaping   | 2                  | 11-Mar-20   | 12-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Award Contract - Landscaping   |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4040               | Execute Contract - Landscaping                                       | 5                  | 13-Mar-20   | 19-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Execute Contract - Landscaping                                       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4050               | Subcontractor Issue Submittals - Landscaping                         | 15                 | 20-Mar-20   | 09-Apr-20 |      |     |     |   |     |     |     |   |     |   |   |     | Subcontractor Issue Submittals - Landscaping                         |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4060               | A/E Review & Approve Submittals - Landscaping                        | 15                 | 10-Apr-20   | 01-May-20 |      |     |     |   |     |     |     |   |     |   |   |     | A/E Review & Approve Submittals - Landscaping                        |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4070               | Fab & Available for Delivery - Landscaping                           | 50                 | 04-May-20   | 14-Jul-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Landscaping                           |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Final Cleaning</b>  |  |                    |             |           |      |     |     |   |     |     |     |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4510               | Owner Review/Approve RTA - Final Cleaning                            | 1                  | 31-Jan-20 A | 10-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Owner Review/Approve RTA - Final Cleaning                            |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-6900               | Building Commission Approves Contract - Final Cleaning               | 1                  | 11-Feb-20   | 11-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Building Commission Approves Contract - Final Cleaning               |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4520               | Award Contract - Final Cleaning                                      | 2                  | 12-Feb-20   | 13-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Award Contract - Final Cleaning                                      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4530               | Execute Contract - Final Cleaning                                    | 5                  | 14-Feb-20   | 21-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Execute Contract - Final Cleaning                                    |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4540               | Subcontractor Issue Submittals - Final Cleaning                      | 20                 | 24-Feb-20   | 20-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Subcontractor Issue Submittals - Final Cleaning                      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4550               | A/E Review & Approve Submittals - Final Cleaning                     | 15                 | 23-Mar-20   | 10-Apr-20 |      |     |     |   |     |     |     |   |     |   |   |     | A/E Review & Approve Submittals - Final Cleaning                     |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| PRO-4560               | Fab & Available for Delivery - Final Cleaning                        | 10                 | 13-Apr-20   | 27-Apr-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Final Cleaning                        |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Mockups</b>         |  |                    |             |           |      |     |     |   |     |     |     |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Exterior Facade</b> |  |                    |             |           |      |     |     |   |     |     |     |   |     |   |   |     |  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1000              | Prepare & Submit - Framing - Exterior Mockup                         | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Framing - Exterior Mockup                         |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1030              | Prepare & Submit - HSS Steel - Exterior Mockup                       | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - HSS Steel - Exterior Mockup                       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1060              | Prepare & Submit - Sheathing - Exterior Mockup                       | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Sheathing - Exterior Mockup                       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1090              | Prepare & Submit - AVB/Insulation - Exterior Mockup                  | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - AVB/Insulation - Exterior Mockup                  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1120              | Prepare & Submit - Curtain Wall - Exterior Mockup                    | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Curtain Wall - Exterior Mockup                    |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1150              | Prepare & Submit - Granite/Limestone - Exterior Mockup               | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Granite/Limestone - Exterior Mockup               |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1180              | Prepare & Submit - Brick - Exterior Mockup                           | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Brick - Exterior Mockup                           |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1210              | Prepare & Submit - Masonry Exterior Sealants - Exterior Mockup       | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Masonry Exterior Sealants - Exterior Mockup       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1230              | Prepare & Submit - JK Glass Exterior Sealants - Exterior Mockup      | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - JK Glass Exterior Sealants - Exterior Mockup      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1260              | Prepare & Submit - Roof Cap - Exterior Mockup                        | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Roof Cap - Exterior Mockup                        |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1290              | Prepare & Submit - Waterproofing Exterior Sealants - Exterior Mockup | 10                 | 10-Feb-20   | 24-Feb-20 |      |     |     |   |     |     |     |   |     |   |   |     | Prepare & Submit - Waterproofing Exterior Sealants - Exterior Mockup |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1010              | Review & Approve - Framing - Exterior Mockup                         | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Framing - Exterior Mockup                         |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1040              | Review & Approve - HSS Steel - Exterior Mockup                       | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - HSS Steel - Exterior Mockup                       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1070              | Review & Approve - Sheathing - Exterior Mockup                       | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Sheathing - Exterior Mockup                       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1100              | Review & Approve - AVB/Insulation - Exterior Mockup                  | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - AVB/Insulation - Exterior Mockup                  |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1130              | Review & Approve - Curtain Wall - Exterior Mockup                    | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Curtain Wall - Exterior Mockup                    |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1160              | Review & Approve - Granite/Limestone - Exterior Mockup               | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Granite/Limestone - Exterior Mockup               |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1190              | Review & Approve - Brick - Exterior Mockup                           | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Brick - Exterior Mockup                           |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1220              | Review & Approve - Masonry Exterior Sealants - Exterior Mockup       | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Masonry Exterior Sealants - Exterior Mockup       |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1240              | Review & Approve - JK Glass Exterior Sealants - Exterior Mockup      | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - JK Glass Exterior Sealants - Exterior Mockup      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1270              | Review & Approve - Roof Cap - Exterior Mockup                        | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Roof Cap - Exterior Mockup                        |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1300              | Review & Approve - Waterproofing Exterior Sealants - Exterior Mockup | 10                 | 25-Feb-20   | 09-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Review & Approve - Waterproofing Exterior Sealants - Exterior Mockup |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1020              | Fab & Available for Delivery - Framing - Exterior Mockup             | 5                  | 10-Mar-20   | 16-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Framing - Exterior Mockup             |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| MOCK-1080              | Fab & Available for Delivery - Sheathing - Exterior Mockup           | 5                  | 10-Mar-20   | 16-Mar-20 |      |     |     |   |     |     |     |   |     |   |   |     | Fab & Available for Delivery - Sheathing - Exterior Mockup           |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |

| Activity ID                  | Activity Name  | Remaining Duration | Start       | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2021 |  |  |  |  |  |  |  |  |  |  |  | 2022 |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
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|                              |  |                    |             |           | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1110                    | Fab & Available for Delivery - AVB/Insulation - Exterior Mockup                  | 5                  | 10-Mar-20   | 16-Mar-20 | ■ Fab & Available for Delivery - AVB/Insulation - Exterior Mockup                  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1280                    | Fab & Available for Delivery - Roof Cap - Exterior Mockup                        | 5                  | 10-Mar-20   | 16-Mar-20 | ■ Fab & Available for Delivery - Roof Cap - Exterior Mockup                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1170                    | Fab & Available for Delivery - Granite/Limestone - Exterior Mockup               | 10                 | 10-Mar-20   | 23-Mar-20 | ■ Fab & Available for Delivery - Granite/Limestone - Exterior Mockup               |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1200                    | Fab & Available for Delivery - Brick - Exterior Mockup                           | 10                 | 10-Mar-20   | 23-Mar-20 | ■ Fab & Available for Delivery - Brick - Exterior Mockup                           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1225                    | Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup       | 10                 | 10-Mar-20   | 23-Mar-20 | ■ Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1250                    | Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup      | 10                 | 10-Mar-20   | 23-Mar-20 | ■ Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1310                    | Fab & Available for Delivery - Waterproofing Exterior Sealants - Exterior Mockup | 10                 | 10-Mar-20   | 23-Mar-20 | ■ Fab & Available for Delivery - Waterproofing Exterior Sealants - Exterior Mockup |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1050                    | Fab & Available for Delivery - HSS Steel - Exterior Mockup                       | 20                 | 10-Mar-20   | 06-Apr-20 | ■ Fab & Available for Delivery - HSS Steel - Exterior Mockup                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1140                    | Fab & Available for Delivery - Curtain Wall - Exterior Mockup                    | 30                 | 10-Mar-20   | 21-Apr-20 | ■ Fab & Available for Delivery - Curtain Wall - Exterior Mockup                    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1320                    | Pre-Installation Meeting - Exterior Mockup                                       | 1                  | 06-Apr-20*  | 06-Apr-20 | Pre-Installation Meeting - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1330                    | Install Perimeter Fence - Exterior Mockup  | 1                  | 22-Apr-20   | 22-Apr-20 | Install Perimeter Fence - Exterior Mockup  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1340                    | FRP & Strip Concrete Anchor Pad - Exterior Mockup                                | 5                  | 23-Apr-20   | 29-Apr-20 | ■ FRP & Strip Concrete Anchor Pad - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1350                    | Install LGMF & Bracing - Exterior Mockup   | 2                  | 30-Apr-20   | 01-May-20 | Install LGMF & Bracing - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1360                    | Install Tube Steel & Relieving Angle - Exterior Mockup                           | 1                  | 04-May-20   | 04-May-20 | Install Tube Steel & Relieving Angle - Exterior Mockup                             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1370                    | Install Sheathing - Exterior Mockup  | 1                  | 05-May-20   | 05-May-20 | Install Sheathing - Exterior Mockup  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1380                    | Install AVB - Exterior Mockup  | 2                  | 06-May-20   | 07-May-20 | Install AVB - Exterior Mockup  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1390                    | Install Thermal Insulation - Exterior Mockup                                     | 1                  | 08-May-20   | 08-May-20 | Install Thermal Insulation - Exterior Mockup                                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1400                    | Install Curtain Wall Frames - Exterior Mockup                                    | 2                  | 11-May-20   | 12-May-20 | Install Curtain Wall Frames - Exterior Mockup                                      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1410                    | Install Exterior Glazing Frames - Exterior Mockup                                | 1                  | 13-May-20   | 13-May-20 | Install Exterior Glazing Frames - Exterior Mockup                                  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1420                    | Install Punch Windows Frames - Exterior Mockup                                   | 1                  | 14-May-20   | 14-May-20 | Install Punch Windows Frames - Exterior Mockup                                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1430                    | Install Exterior Glazing - Exterior Mockup                                       | 1                  | 15-May-20   | 15-May-20 | Install Exterior Glazing - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1440                    | Install Granite Base - Exterior Mockup   | 1                  | 18-May-20   | 18-May-20 | Install Granite Base - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1450                    | Install Brick & Limestone Cornice - Exterior Mockup                              | 5                  | 19-May-20   | 26-May-20 | ■ Install Brick & Limestone Cornice - Exterior Mockup                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1460                    | Washdown Brick - Exterior Mockup   | 1                  | 27-May-20   | 27-May-20 | Washdown Brick - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1470                    | Install Exterior Sealents & Control Joints - Exterior Mockup                     | 1                  | 28-May-20   | 28-May-20 | Install Exterior Sealents & Control Joints - Exterior Mockup                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1480                    | Install Roof & Cap - Exterior Mockup   | 2                  | 29-May-20   | 01-Jun-20 | Install Roof & Cap - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MOCK-1490                    | Architect Review & Approve - Exterior Mockup                                     | 15                 | 02-Jun-20   | 22-Jun-20 | ■ Architect Review & Approve - Exterior Mockup                                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>MEP Coordination</b>      |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Basement</b>              |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3030                     | Review & Approve MEPs - Basement   | 5                  | 31-Dec-19 A | 14-Feb-20 | ■ Review & Approve MEPs - Basement   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3040                     | Fab & Deliver - Duct & Pipe - Basement   | 15                 | 17-Mar-20   | 06-Apr-20 | ■ Fab & Deliver - Duct & Pipe - Basement   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 1</b>               |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3050                     | Coordinate MEPs - L1   | 4                  | 18-Nov-19 A | 13-Feb-20 | ■ Coordinate MEPs - L1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3060                     | Review & Approve MEPs - L1   | 5                  | 14-Feb-20   | 21-Feb-20 | ■ Review & Approve MEPs - L1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3070                     | Fab & Deliver - Duct & Pipe - L1   | 15                 | 31-Mar-20   | 21-Apr-20 | ■ Fab & Deliver - Duct & Pipe - L1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 2</b>               |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3080                     | Coordinate MEPs - L2   | 9                  | 04-Dec-19 A | 21-Feb-20 | ■ Coordinate MEPs - L2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3090                     | Review & Approve MEPs - L2   | 5                  | 24-Feb-20   | 28-Feb-20 | ■ Review & Approve MEPs - L2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3100                     | Fab & Deliver - Duct & Pipe - L2   | 15                 | 14-Apr-20   | 05-May-20 | ■ Fab & Deliver - Duct & Pipe - L2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 3</b>               |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3110                     | Coordinate MEPs - L3   | 30                 | 13-Feb-20*  | 26-Mar-20 | ■ Coordinate MEPs - L3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3120                     | Review & Approve MEPs - L3   | 5                  | 27-Mar-20   | 02-Apr-20 | ■ Review & Approve MEPs - L3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| MEP-3130                     | Fab & Deliver - Duct & Pipe - L3   | 15                 | 29-Apr-20   | 19-May-20 | ■ Fab & Deliver - Duct & Pipe - L3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Construction Summary</b>  |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| <b>Project C - STEM Wing</b> |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1090                     | Summary - Sitework & Foundations   | 37                 | 08-Nov-19 A | 01-Apr-20 | ■ Summary - Sitework & Foundations   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1100                     | Summary - Erect Structural Steel   | 44                 | 16-Mar-20   | 15-May-20 | ■ Summary - Erect Structural Steel   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1120                     | Summary - Detail & Deck Structural Steel   | 55                 | 23-Mar-20   | 09-Jun-20 | ■ Summary - Detail & Deck Structural Steel   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1130                     | Summary - Prep & Place Slabs on Deck   | 40                 | 21-Apr-20   | 16-Jun-20 | ■ Summary - Prep & Place Slabs on Deck   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1140                     | Summary - Level 1 Slab on Grade  | 30                 | 20-May-20   | 01-Jul-20 | ■ Summary - Level 1 Slab on Grade  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1150                     | Summary - Spray Fireproofing   | 23                 | 15-Jun-20   | 16-Jul-20 | ■ Summary - Spray Fireproofing   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1160                     | Summary - Exterior Facade  | 170                | 29-Jun-20   | 05-Mar-21 | ■ Summary - Exterior Facade  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |
| SUM-1170                     | Summary - MEP & Architectural Rough-in   | 84                 | 07-Jul-20   | 03-Nov-20 | ■ Summary - MEP & Architectural Rough-in   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |

Remaining Level of Effort    
  Remaining Work  
 Actual Level of Effort    
  Critical Remaining Work  
 Actual Work    
 ◆ Milestone





| Activity ID                           | Activity Name  | Remaining Duration | Start     | Finish    | 2020   |     |     |   |     |     |     |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |     |     | 2022 |     |     |   |     |     |   |   |     |   |     |  |
|---------------------------------------|--|--------------------|-----------|-----------|--|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|--|
|                                       |  |                    |           |           | F  | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec |  |
| <b>Layout &amp; Install Top Track</b> |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L1-3000                               | Layout & Install Top Track - L2                          | 5                  | 08-Jun-20 | 12-Jun-20 | ■ Layout & Install Top Track - L2                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L1-3010                               | Layout & Install Top Track - Basement                    | 2                  | 15-Jun-20 | 16-Jun-20 | ■ Layout & Install Top Track - Basement                    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L1-3020                               | Layout & Install Top Track - L3                          | 5                  | 17-Jun-20 | 23-Jun-20 | ■ Layout & Install Top Track - L3                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L1-3030                               | Layout & Install Top Track - L1                          | 5                  | 02-Jul-20 | 09-Jul-20 | ■ Layout & Install Top Track - L1                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Spray Fireproofing</b>             |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| SPF-1010                              | Spray Fireproof - L2                                     | 5                  | 15-Jun-20 | 19-Jun-20 | ■ Spray Fireproof - L2                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| SPF-1030                              | Spray Fireproof - Basement                               | 2                  | 22-Jun-20 | 23-Jun-20 | ■ Spray Fireproof - Basement                               |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| SPF-1020                              | Spray Fireproof - L3                                     | 5                  | 24-Jun-20 | 30-Jun-20 | ■ Spray Fireproof - L3                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| SPF-1000                              | Spray Fireproof - L1                                     | 5                  | 10-Jul-20 | 16-Jul-20 | ■ Spray Fireproof - L1                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Stairs</b>                         |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| ST-1000                               | Install - Stair 1  | 5                  | 13-May-20 | 19-May-20 | ■ Install - Stair 1  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| ST-1010                               | Install - Stair 2  | 15                 | 20-May-20 | 10-Jun-20 | ■ Install - Stair 2  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| ST-1020                               | Install - Stair 3  | 15                 | 04-Jun-20 | 24-Jun-20 | ■ Install - Stair 3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Roofing</b>                        |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1010                               | Frame & Sheath Roof Parapet                              | 15                 | 17-Jun-20 | 08-Jul-20 | ■ Frame & Sheath Roof Parapet                              |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1040                               | Frame & Sheath Clerestory Light Monitor                  | 10                 | 01-Jul-20 | 15-Jul-20 | ■ Frame & Sheath Clerestory Light Monitor                  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1000                               | Temp-in Roofs / Install Roof AVB                         | 15                 | 09-Jul-20 | 29-Jul-20 | ■ Temp-in Roofs / Install Roof AVB                         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1050                               | Install Roofing at Clerestory Light Monitor              | 5                  | 16-Jul-20 | 22-Jul-20 | ■ Install Roofing at Clerestory Light Monitor              |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1060                               | Install Sill Flashing & Curtain Wall at Light Monitor    | 10                 | 23-Jul-20 | 05-Aug-20 | ■ Install Sill Flashing & Curtain Wall at Light Monitor    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1020                               | Install Roof Screens                                     | 20                 | 18-Aug-20 | 15-Sep-20 | ■ Install Roof Screens                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1030                               | Install Permanent Roof - Roof Level                      | 15                 | 16-Sep-20 | 06-Oct-20 | ■ Install Permanent Roof - Roof Level                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1070                               | Install Stair at Roof                                    | 5                  | 07-Oct-20 | 14-Oct-20 | ■ Install Stair at Roof                                    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| RF-1080                               | Install Roof Pavers                                      | 5                  | 15-Oct-20 | 21-Oct-20 | ■ Install Roof Pavers                                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Exterior Facade</b>                |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1000                              | Frame Exterior Walls                                     | 45                 | 29-Jun-20 | 31-Aug-20 | ■ Frame Exterior Walls                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-105                               | Sheath Exterior Walls                                    | 40                 | 15-Jul-20 | 09-Sep-20 | ■ Sheath Exterior Walls                                    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1010                              | AVB Exterior Walls                                       | 34                 | 29-Jul-20 | 15-Sep-20 | ■ AVB Exterior Walls                                       |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1040                              | Install Curtain Wall                                     | 58                 | 10-Aug-20 | 30-Oct-20 | ■ Install Curtain Wall                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1020                              | Stage Exterior Walls                                     | 48                 | 31-Aug-20 | 06-Nov-20 | ■ Stage Exterior Walls                                     |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1030                              | Install Stone & Brick / Washdown / Remove Staging        | 74                 | 21-Sep-20 | 08-Jan-21 | ■ Install Stone & Brick / Washdown / Remove Staging        |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| EXT-1050                              | Building Temp Tight                                      | 0                  |           | 30-Oct-20 | ◆ Building Temp Tight                                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>North Elevation</b>                |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1000                                | Frame Exterior Walls - North Elevation                   | 18                 | 29-Jun-20 | 23-Jul-20 | ■ Frame Exterior Walls - North Elevation                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1010                                | Sheath Exterior Walls - North Elevation                  | 12                 | 15-Jul-20 | 30-Jul-20 | ■ Sheath Exterior Walls - North Elevation                  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1020                                | Install AVB - North Elevation                            | 7                  | 29-Jul-20 | 06-Aug-20 | ■ Install AVB - North Elevation                            |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1030                                | Prep Openings for Curtain Wall - North Elevation         | 10                 | 03-Aug-20 | 14-Aug-20 | ■ Prep Openings for Curtain Wall - North Elevation         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1040                                | Install Curtain Wall - North Elevation                   | 23                 | 10-Aug-20 | 10-Sep-20 | ■ Install Curtain Wall - North Elevation                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1050                                | Install Staging - North Elevation                        | 15                 | 31-Aug-20 | 21-Sep-20 | ■ Install Staging - North Elevation                        |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1060                                | Install Stone - North Elevation                          | 4                  | 15-Sep-20 | 18-Sep-20 | ■ Install Stone - North Elevation                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1070                                | Install Brick - North Elevation                          | 23                 | 22-Sep-20 | 23-Oct-20 | ■ Install Brick - North Elevation                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1080                                | Washdown Masonry - North Elevation                       | 10                 | 16-Oct-20 | 29-Oct-20 | ■ Washdown Masonry - North Elevation                       |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1090                                | Remove Staging - North Elevation                         | 10                 | 23-Oct-20 | 05-Nov-20 | ■ Remove Staging - North Elevation                         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| N-1100                                | Caulk Facade - North Elevation                           | 6                  | 06-Nov-20 | 16-Nov-20 | ■ Caulk Facade - North Elevation                           |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>South &amp; West Elevations</b>    |  |                    |           |           |  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1000                                | Frame Exterior Walls - South & West Elevations           | 26                 | 14-Jul-20 | 18-Aug-20 | ■ Frame Exterior Walls - South & West Elevations           |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1010                                | Sheath Exterior Walls - South & West Elevations          | 17                 | 03-Aug-20 | 25-Aug-20 | ■ Sheath Exterior Walls - South & West Elevations          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1020                                | Install AVB - South & West Elevations                    | 12                 | 17-Aug-20 | 01-Sep-20 | ■ Install AVB - South & West Elevations                    |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1030                                | Prep Openings for Curtain Wall - South & West Elevations | 10                 | 26-Aug-20 | 09-Sep-20 | ■ Prep Openings for Curtain Wall - South & West Elevations |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1040                                | Install Curtain Wall - South & West Elevations           | 25                 | 03-Sep-20 | 08-Oct-20 | ■ Install Curtain Wall - South & West Elevations           |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1050                                | Install Staging - South & West Elevations                | 15                 | 25-Sep-20 | 16-Oct-20 | ■ Install Staging - South & West Elevations                |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1070                                | Install Brick - South & West Elevations                  | 38                 | 20-Oct-20 | 15-Dec-20 | ■ Install Brick - South & West Elevations                  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1080                                | Washdown Masonry - South & West Elevations               | 10                 | 08-Dec-20 | 21-Dec-20 | ■ Washdown Masonry - South & West Elevations               |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1090                                | Remove Staging - South & West Elevations                 | 10                 | 15-Dec-20 | 29-Dec-20 | ■ Remove Staging - South & West Elevations                 |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| S-1100                                | Caulk Facade - South & West Elevations                   | 10                 | 30-Dec-20 | 13-Jan-21 | ■ Caulk Facade - South & West Elevations                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |











| Activity ID    | Activity Name   | Remaining Duration | Start     | Finish    | 2020  |     |     |   |     |     |     |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |     |     | 2022 |     |     |   |     |     |   |   |     |   |     |  |
|----------------|---|--------------------|-----------|-----------|---|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|--|
|                |   |                    |           |           | F   | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec |  |
|                |   |                    |           |           | Complete 90 Calendar Days Prior to STEM Interim Completion Date - L2 IT Room 204C |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L2-1850        | Complete 90 Calendar Days Prior to STEM Interim Completion Date - L2 IT Room 204C | 90                 | 21-Nov-20 | 18-Feb-21 | Complete 90 Calendar Days Prior to STEM Interim Completion Date - L2 IT Room 204C |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| <b>Level 3</b> |   |                    |           |           |   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1010        | Install MEP Risers - L3   | 10                 | 07-Jul-20 | 20-Jul-20 | ■ Install MEP Risers - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1000        | Install Tube Steel Wall Supports - L3   | 5                  | 21-Jul-20 | 27-Jul-20 | ■ Install Tube Steel Wall Supports - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1020        | Rough-in Overhead Ductwork - L3   | 15                 | 28-Jul-20 | 17-Aug-20 | ■ Rough-in Overhead Ductwork - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1030        | Rough-in Overhead Plumbing - L3   | 15                 | 28-Jul-20 | 17-Aug-20 | ■ Rough-in Overhead Plumbing - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1040        | Rough-in Overhead Mechanical Piping - L3  | 15                 | 04-Aug-20 | 24-Aug-20 | ■ Rough-in Overhead Mechanical Piping - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1050        | Rough-in Overhead Electrical Conduit - L3   | 20                 | 04-Aug-20 | 31-Aug-20 | ■ Rough-in Overhead Electrical Conduit - L3                                       |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1060        | Frame Electrical Closets - L3   | 3                  | 18-Aug-20 | 20-Aug-20 | ■ Frame Electrical Closets - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1070        | Rough Fire Protection - L3  | 10                 | 18-Aug-20 | 31-Aug-20 | ■ Rough Fire Protection - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1130        | Install Above Ceiling Mechanical Equipment - L3                                   | 10                 | 18-Aug-20 | 31-Aug-20 | ■ Install Above Ceiling Mechanical Equipment - L3                                 |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1080        | Board & Tape Electrical Closets - L3  | 5                  | 21-Aug-20 | 27-Aug-20 | ■ Board & Tape Electrical Closets - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1090        | Frame Interior Walls - L3   | 10                 | 25-Aug-20 | 08-Sep-20 | ■ Frame Interior Walls - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1450        | Insulate Overhead Mechanical Piping & HVAC Ductwork - L3                          | 15                 | 25-Aug-20 | 15-Sep-20 | ■ Insulate Overhead Mechanical Piping & HVAC Ductwork - L3                        |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1120        | Set Door Frames - L3  | 5                  | 28-Aug-20 | 03-Sep-20 | ■ Set Door Frames - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1110        | Rough-in Plumbing In-Wall - L3  | 10                 | 01-Sep-20 | 15-Sep-20 | ■ Rough-in Plumbing In-Wall - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1100        | Frame Soffits - L3  | 10                 | 04-Sep-20 | 18-Sep-20 | ■ Frame Soffits - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1140        | Rough-in Electrical In-Wall & Pull Branch Circuits - L3                           | 15                 | 09-Sep-20 | 29-Sep-20 | ■ Rough-in Electrical In-Wall & Pull Branch Circuits - L3                         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1150        | Rough-in Low Voltage In-Wall & Pull Wire - L3                                     | 15                 | 09-Sep-20 | 29-Sep-20 | ■ Rough-in Low Voltage In-Wall & Pull Wire - L3                                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1160        | Perform Wall & Ceiling Punch List & Inspections - L3                              | 10                 | 29-Sep-20 | 13-Oct-20 | ■ Perform Wall & Ceiling Punch List & Inspections - L3                            |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1170        | Perform In-Wall Inspections with Town - L3  | 2                  | 30-Sep-20 | 01-Oct-20 | ■ Perform In-Wall Inspections with Town - L3                                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1180        | Install Wood Blocking - L3  | 5                  | 02-Oct-20 | 08-Oct-20 | ■ Install Wood Blocking - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1330        | Insulate In-Wall Piping - L3  | 5                  | 02-Oct-20 | 08-Oct-20 | ■ Insulate In-Wall Piping - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1190        | Board Walls & Soffits - L3  | 10                 | 17-Nov-20 | 02-Dec-20 | ■ Board Walls & Soffits - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1210        | Tape Walls & Soffits - L3   | 10                 | 23-Nov-20 | 08-Dec-20 | ■ Tape Walls & Soffits - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-3050        | Field Measure & Fab Interior Glass - L3   | 20                 | 24-Nov-20 | 23-Dec-20 | ■ Field Measure & Fab Interior Glass - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1220        | Prime & 1st Coat walls - L3   | 6                  | 09-Dec-20 | 16-Dec-20 | ■ Prime & 1st Coat walls - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1230        | Paint Exposed Ceilings & MEPs at Classrooms & Offices - L3                        | 10                 | 09-Dec-20 | 22-Dec-20 | ■ Paint Exposed Ceilings & MEPs at Classrooms & Offices - L3                      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1225        | Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L2                | 5                  | 14-Dec-20 | 18-Dec-20 | ■ Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L2              |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-3060        | Install Wal Tile at Corridors - L3  | 10                 | 14-Dec-20 | 28-Dec-20 | ■ Install Wal Tile at Corridors - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1240        | Install MEP Drops at Classrooms & Offices - L3                                    | 10                 | 16-Dec-20 | 30-Dec-20 | ■ Install MEP Drops at Classrooms & Offices - L3                                  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1235        | Install Fume Hoods - L3   | 5                  | 21-Dec-20 | 28-Dec-20 | ■ Install Fume Hoods - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1250        | Install Storefront Frames - L3  | 10                 | 24-Dec-20 | 08-Jan-21 | ■ Install Storefront Frames - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1260        | Install Millwork at Classrooms & Offices - L3                                     | 10                 | 31-Dec-20 | 14-Jan-21 | ■ Install Millwork at Classrooms & Offices - L3                                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1440        | Install Teledata Finishes & Terminations - L3                                     | 10                 | 31-Dec-20 | 14-Jan-21 | ■ Install Teledata Finishes & Terminations - L3                                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1390        | Install Interior Glazing - L3   | 10                 | 04-Jan-21 | 15-Jan-21 | ■ Install Interior Glazing - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1445        | Install Fintube Radiators - L3  | 10                 | 07-Jan-21 | 21-Jan-21 | ■ Install Fintube Radiators - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1270        | Install Ceiling Grid & Cut/DeviceTies at Corridors - L3                           | 5                  | 13-Jan-21 | 20-Jan-21 | ■ Install Ceiling Grid & Cut/DeviceTies at Corridors - L3                         |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1380        | Install Flooring at Classrooms & Offices - L3                                     | 10                 | 14-Jan-21 | 28-Jan-21 | ■ Install Flooring at Classrooms & Offices - L3                                   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1370        | Install Doors & Hardware - L3   | 5                  | 15-Jan-21 | 22-Jan-21 | ■ Install Doors & Hardware - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1305        | Install Railings at Opening - L3  | 5                  | 21-Jan-21 | 27-Jan-21 | ■ Install Railings at Opening - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1430        | Install Fire Alarm Devices - L3   | 5                  | 21-Jan-21 | 27-Jan-21 | ■ Install Fire Alarm Devices - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1280        | Install MEP Drops at Corridors - L3   | 8                  | 21-Jan-21 | 01-Feb-21 | ■ Install MEP Drops at Corridors - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-3070        | Install Laboratory Casework at Classrooms - L3                                    | 10                 | 21-Jan-21 | 03-Feb-21 | ■ Install Laboratory Casework at Classrooms - L3                                  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1285        | Install Fintube Covers - L3   | 10                 | 22-Jan-21 | 04-Feb-21 | ■ Install Fintube Covers - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-3080        | Install Plumbing Fixtures at Classrooms & Offices - L3                            | 10                 | 27-Jan-21 | 09-Feb-21 | ■ Install Plumbing Fixtures at Classrooms & Offices - L3                          |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1300        | Install Terrazzo at Corridors - L3  | 18                 | 05-Feb-21 | 03-Mar-21 | ■ Install Terrazzo at Corridors - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1360        | Install Terrazzo Base at Corridors - L3   | 10                 | 23-Feb-21 | 08-Mar-21 | ■ Install Terrazzo Base at Corridors - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1320        | Install AV - L3   | 5                  | 02-Mar-21 | 08-Mar-21 | ■ Install AV - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1340        | Install Whiteboards & Tack Boards - L3  | 5                  | 02-Mar-21 | 08-Mar-21 | ■ Install Whiteboards & Tack Boards - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1350        | Install Window Shades - L3  | 5                  | 02-Mar-21 | 08-Mar-21 | ■ Install Window Shades - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1400        | Construction Cleaning - L3  | 5                  | 09-Mar-21 | 15-Mar-21 | ■ Construction Cleaning - L3  |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1290        | Balance HVAC - L3   | 5                  | 16-Mar-21 | 22-Mar-21 | ■ Balance HVAC - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1410        | Skanska Punch List - L3   | 5                  | 16-Mar-21 | 22-Mar-21 | ■ Skanska Punch List - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |
| L3-1420        | Architect Punch List - L3   | 5                  | 23-Mar-21 | 29-Mar-21 | ■ Architect Punch List - L3   |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort        ■ Critical Remaining Work  
■ Actual Work                         ◆ Milestone







| Activity ID  | Activity Name  | Remaining Duration | Start     | Finish    | 2020 |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  | 2021 |  |  |  |     |  |  |  |  |  |  |     | 2022   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
|--|--|--------------------|-----------|-----------|------|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|------|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|---|--|--|--|--|--|--|-----|--|--|--|--|--|--|-----|--|--|--|--|--|--|
|  |  |                    |           |           | F    |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun |  |  |      |  |  |  | Jul |  |  |  |  |  |  | Aug |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | D |  |  |  |  |  |  | Jan |  |  |  |  |  |  | Feb |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun |  |  |  |  |  |  | Jul |  |  |  |  |  |  | A |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | Dec |  |  |  |  |  |  | Jan |  |  |  |  |  |  | Feb |  |  |  |  |  |  | Mar |  |  |  |  |  |  | Apr |  |  |  |  |  |  | M |  |  |  |  |  |  | Jun |  |  |  |  |  |  | Jul |  |  |  |  |  |  | A |  |  |  |  |  |  | S |  |  |  |  |  |  | Oct |  |  |  |  |  |  | N |  |  |  |  |  |  | Dec |  |  |  |  |  |  | Jan |  |  |  |  |  |  |
|  |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST1-1050   | Install Tile Walls - Stair 1                                     | 5                  | 03-Dec-20 | 09-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Tile Walls - Stair 1                                     |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST1-1100   | Install Wood Wall Panels - Stair 1                               | 10                 | 10-Dec-20 | 23-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Wood Wall Panels - Stair 1                               |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST1-1060   | Install Wall Railings - Stair 1                                  | 3                  | 24-Dec-20 | 29-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Wall Railings - Stair 1                                  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST1-1070   | Finish Paint Stairs - Stair 1                                    | 2                  | 30-Dec-20 | 31-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Finish Paint Stairs - Stair 1                                    |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST1-1090   | Install Terrazzo Treads - Stair 1                                | 5                  | 04-Jan-21 | 08-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Terrazzo Treads - Stair 1                                |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Stair 2</b>   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1000   | Frame Walls - Stair 2  | 10                 | 25-Aug-20 | 08-Sep-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Frame Walls - Stair 2  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1010   | Rough-in In-Wall Electric - Stair 2                              | 5                  | 09-Sep-20 | 15-Sep-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Rough-in In-Wall Electric - Stair 2                              |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1020   | Board Walls - Stair 2  | 10                 | 24-Nov-20 | 09-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Board Walls - Stair 2  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1030   | Tape & Finish Walls - Stair 2                                    | 10                 | 10-Dec-20 | 23-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Tape & Finish Walls - Stair 2                                    |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1040   | Prime Paint Walls & Stairs - Stair 2                             | 5                  | 24-Dec-20 | 31-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Prime Paint Walls & Stairs - Stair 2                             |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1050   | Install Tile Walls - Stair 2                                     | 15                 | 04-Jan-21 | 25-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Tile Walls - Stair 2                                     |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1060   | Install Wall Railings - Stair 2                                  | 5                  | 26-Jan-21 | 01-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Wall Railings - Stair 2                                  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1070   | Paint Railings & Finish Paint Stairs - Stair 2                   | 5                  | 02-Feb-21 | 08-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Paint Railings & Finish Paint Stairs - Stair 2                   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1080   | Install Light Fixtures - Stair 2                                 | 2                  | 09-Feb-21 | 10-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Light Fixtures - Stair 2                                 |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST2-1090   | Install Terrazzo Treads - Stair 2                                | 10                 | 11-Feb-21 | 25-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Terrazzo Treads - Stair 2                                |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Stair 3</b>   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1000   | Frame Walls - Stair 3  | 10                 | 09-Sep-20 | 22-Sep-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Frame Walls - Stair 3  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1010   | Rough-in In-Wall Electric - Stair 3                              | 5                  | 23-Sep-20 | 29-Sep-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Rough-in In-Wall Electric - Stair 3                              |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1020   | Board Walls - Stair 3  | 10                 | 10-Dec-20 | 23-Dec-20 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Board Walls - Stair 3  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1030   | Tape & Finish Walls - Stair 3                                    | 10                 | 24-Dec-20 | 08-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Tape & Finish Walls - Stair 3                                    |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1040   | Prime Paint Walls & Stairs - Stair 3                             | 5                  | 11-Jan-21 | 15-Jan-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Prime Paint Walls & Stairs - Stair 3                             |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1060   | Install Wall Railings - Stair 3                                  | 10                 | 19-Jan-21 | 01-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Wall Railings - Stair 3                                  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1070   | Paint Railings & Finish Paint Stairs - Stair 3                   | 5                  | 02-Feb-21 | 08-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Paint Railings & Finish Paint Stairs - Stair 3                   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1080   | Install Light Fixtures - Stair 3                                 | 2                  | 09-Feb-21 | 10-Feb-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Light Fixtures - Stair 3                                 |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| ST3-1090   | Seal Concrete Floor - Stair 3                                    | 5                  | 26-Feb-21 | 04-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Seal Concrete Floor - Stair 3                                    |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Hardscapes &amp; Landscaping</b>                      |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| 5500   | Install Hardscapes & Landscaping                                 | 45                 | 05-Feb-21 | 09-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Hardscapes & Landscaping                                 |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>General</b>   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| GEN-1000   | Install Building Signage   | 15                 | 11-Mar-21 | 31-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Install Building Signage   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Commissioning</b>                                     |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| COMM-1000  | Commission MEPs  | 60                 | 31-Mar-21 | 24-Jun-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Commission MEPs  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Final Testing, Inspections &amp; Occupancy</b>        |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Plumbing System</b>                                   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1160   | Perform Potable Water Chlorination                               | 5                  | 12-Mar-21 | 18-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Perform Potable Water Chlorination                               |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1220   | Issue Potable Water Chlorination Report                          | 0                  |           | 18-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | ◆ Issue Potable Water Chlorination Report                          |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Water &amp; Sewer System</b>                          |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1240   | Acquire GSA Permit   | 1                  | 19-Mar-21 | 19-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Acquire GSA Permit   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Emergency Power System &amp; Power Outage Testing</b> |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1140   | Ceilings, Lights & Exit Signs Complete                           | 0                  |           | 19-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | ◆ Ceilings, Lights & Exit Signs Complete                           |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1250   | Pre-test for Lights Out Testing                                  | 1                  | 22-Mar-21 | 22-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Pre-test for Lights Out Testing                                  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1300   | Correct Issues for Brookline Lights Out Testing                  | 2                  | 23-Mar-21 | 24-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Correct Issues for Brookline Lights Out Testing                  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1320   | Perform Lights Out Testing with Brookline                        | 1                  | 25-Mar-21 | 25-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Perform Lights Out Testing with Brookline                        |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Fire Alarm System</b>                                 |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1030   | Test Fire Alarm - Basement Level Devices, Speakers & Duct Smokes | 2                  | 03-Mar-21 | 04-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Test Fire Alarm - Basement Level Devices, Speakers & Duct Smokes |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1060   | NFPA 72 Fire Alarm Testing                                       | 21                 | 03-Mar-21 | 31-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ NFPA 72 Fire Alarm Testing                                       |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1070   | Test Fire Alarm - L1 Devices, Speakers & Duct Smokes             | 2                  | 05-Mar-21 | 08-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Test Fire Alarm - L1 Devices, Speakers & Duct Smokes             |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1090   | Test Fire Alarm - L2 Devices, Speakers & Duct Smokes             | 2                  | 09-Mar-21 | 10-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Test Fire Alarm - L2 Devices, Speakers & Duct Smokes             |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1110   | Test Fire Alarm - L3 Devices, Speakers & Duct Smokes             | 2                  | 11-Mar-21 | 12-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Test Fire Alarm - L3 Devices, Speakers & Duct Smokes             |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1370   | Submit Record of Completion (ROC) to Brookline                   | 5                  | 01-Apr-21 | 07-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Submit Record of Completion (ROC) to Brookline                   |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1420   | Brookline ROC NFPA 72 Test                                       | 3                  | 08-Apr-21 | 12-Apr-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Brookline ROC NFPA 72 Test                                       |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| <b>Elevators</b>   |  |                    |           |           |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1310   | Preliminary Test Elevator with Fire Alarm Recall                 | 3                  | 10-Mar-21 | 12-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Preliminary Test Elevator with Fire Alarm Recall                 |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1390   | Complete Elevator Cleaning & Adjustment for Inspection           | 10                 | 15-Mar-21 | 26-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | █ Complete Elevator Cleaning & Adjustment for Inspection           |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |
| LSI-1470   | Complete Phone Service to Elevators                              | 0                  |           | 26-Mar-21 |      |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |      |  |  |  |     |  |  |  |  |  |  |     | ◆ Complete Phone Service to Elevators                              |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |   |  |  |  |  |  |  |     |  |  |  |  |  |  |     |  |  |  |  |  |  |

█ Remaining Level of Effort     Remaining Work  
█ Actual Level of Effort     Critical Remaining Work  
█ Actual Work    ◆ Milestone

| Activity ID                           | Activity Name   | Remaining Duration | Start     | Finish     | 2020 |     |     |   |     |     |     |   |     |   |   |     | 2021 |     |     |   |     |     |   |   |     |   |     |     | 2022 |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------|---|--------------------|-----------|------------|------|-----|-----|---|-----|-----|-----|---|-----|---|---|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|------|-----|-----|---|-----|-----|---|---|-----|---|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                       |   |                    |           |            | F    | Mar | Apr | M | Jun | Jul | Aug | S | Oct | N | D | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan | F    | Mar | Apr | M | Jun | Jul | A | S | Oct | N | Dec | Jan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |   |                    |           |            |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1480                              | State (Mass 524) Inspection & Signoff                           | 3                  | 29-Mar-21 | 31-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Fire Protection System</b>         |   |                    |           |            |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1000                              | Flow Test Fire Protection System                                | 5                  | 22-Mar-21 | 26-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1020                              | Checkout Tamper & Flows   | 1                  | 29-Mar-21 | 29-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1350                              | Test Stand Pipe & Floor Control Valves with PRVs - Stair 2      | 2                  | 30-Mar-21 | 31-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1520                              | Test Stand Pipe & Floor Control Valves with PRVs - Stair 3      | 2                  | 01-Apr-21 | 02-Apr-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1450                              | Brookline Fire Protection Test                                  | 1                  | 13-Apr-21 | 13-Apr-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Final Inspections &amp; C of O</b> |   |                    |           |            |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INSP-1050                             | Owner Install FF&E  | 10                 | 18-Mar-21 | 31-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1230                              | Final Plumbing Signoff  | 1                  | 19-Mar-21 | 19-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1340                              | Final Electrical Signoff  | 1                  | 26-Mar-21 | 26-Mar-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INSP-1030                             | Complete Punch List   | 20                 | 13-Apr-21 | 11-May-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1490                              | Final Life Safety Walk-thru                                     | 2                  | 14-Apr-21 | 15-Apr-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LSI-1460                              | Receive Final Architectural, Mechanical & Structural Affidavits | 2                  | 16-Apr-21 | 20-Apr-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INSP-1010                             | Final Building Sign Off Acquire C of O                          | 5                  | 21-Apr-21 | 27-Apr-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INSP-1020                             | STEM Interim Completion Date                                    | 0                  |           | 27-Apr-21* |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INSP-1040                             | Move-in to New STEM Wing  | 10                 | 28-Apr-21 | 11-May-21  |      |     |     |   |     |     |     |   |     |   |   |     |      |     |     |   |     |     |   |   |     |   |     |     |      |     |     |   |     |     |   |   |     |   |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone





Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT E: SCHEDULE OF VALUES**

See attached worksheets

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020

EXHIBIT E – SCHEDULE OF VALUES

|                                 | DESCRIPTION OF WORK                         | Summary of Pre GMP Amendments 1 to 18 | GMP AMENDMENT VALUE | TOTAL GMP VALUE |
|---------------------------------|---|---------------------------------------|---------------------|-----------------|
| <b>PROJECTS A AND B</b>         |   |                                       |                     |                 |
| 100.150.0150000.5031            | General Requirements                        | \$ 1,838,113                          | \$ 2,962,525        | \$ 4,800,638    |
|                                 | Direct Costs to Be Assigned to Bid Packages | \$ -                                  | \$ 2,003,000        | \$ 2,003,000    |
|                                 |   | \$ -                                  |                     |                 |
| <b>PROJECT A: 111 Cypress</b>   |   |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>       |   |                                       |                     |                 |
|                                 | Final Cleaning                              | \$ -                                  | \$ 173,468          | \$ 173,468      |
| 200.200.02220000.5020           | Demolition and Abatement                    | \$ 331,688                            |                     | \$ 331,688      |
| 200.200.02290000.5020           | Monitoring Allowance                        | \$ 250,000                            |                     | \$ 250,000      |
| 200.200.02300010.5020           | Support of Excavation                       | \$ 1,102,600                          |                     | \$ 1,102,600    |
| 200.200.02450000.5020           | Sitework and Foundations                    | \$ 4,540,542                          |                     | \$ 4,540,542    |
| 200.200.03400010.5020           | Concrete                                    | \$ 3,997,999                          |                     | \$ 3,997,999    |
|                                 | Site Concrete                               | \$ -                                  | \$ 523,984          | \$ 523,984      |
| 200.200.03400000.5020           | Precast Concrete                            | \$ 624,727                            |                     | \$ 624,727      |
| 200.200.04000000.5020           | Masonry (Mock Ups)                          | \$ 16,459                             |                     | \$ 16,459       |
| 200.200.05120000.5020           | Steel                                       | \$ 5,607,650                          |                     | \$ 5,607,650    |
|                                 | Millwork                                    | \$ 151,975                            | \$ 2,070,258        | \$ 2,222,233    |
|                                 | Fireproofing                                | \$ 619,500                            | \$ -                | \$ 619,500      |
|                                 | Overhead Doors                              | \$ -                                  | \$ 75,938           | \$ 75,938       |
|                                 | Doors, Frames Hardware                      | \$ 389,000                            | \$ -                | \$ 389,000      |
| 200.200.08910000.5020           | Curtainwall                                 | \$ 7,159,815                          |                     | \$ 7,159,815    |
| 200.200.09250005.5020           | Drywall                                     | \$ 6,475,000                          |                     | \$ 6,475,000    |
|                                 | Carpet                                      | \$ -                                  | \$ 100,485          | \$ 100,485      |
|                                 | Resinous Flooring                           | \$ -                                  | \$ 43,800           | \$ 43,800       |
|                                 | Misc. Specialties                           | \$ -                                  | \$ 466,006          | \$ 466,006      |
|                                 | Signage                                     | \$ -                                  | \$ 59,866           | \$ 59,866       |
|                                 | Food Service                                | \$ 17,500                             | \$ 734,500          | \$ 752,000      |
|                                 | Window Shades (Allowance)                   | \$ -                                  | \$ 158,200          | \$ 158,200      |
|                                 | Operable Wall                               | \$ -                                  | \$ 30,210           | \$ 30,210       |
|                                 | Laboratory Casework                         | \$ 11,000                             | \$ 361,324          | \$ 372,324      |
|                                 | Theatre Drapery                             | \$ -                                  | \$ 54,425           | \$ 54,425       |
|                                 | Stage/Theater Equipment                     | \$ -                                  | \$ 166,711          | \$ 166,711      |
| 200.200.14200000.5020           | Elevators                                   | \$ 832,893                            |                     | \$ 832,893      |
|                                 | Audiovisual                                 | \$ 6,950                              | \$ 719,348          | \$ 726,298      |
|                                 | Landscape / Hardscape                       |                                       | \$ 1,319,916        | \$ 1,319,916    |
| <b>TRADE CONTRACTS (BONDS))</b> |   |                                       |                     |                 |
| 200.200.0400020.5020            | Masonry                                     | \$ 2,830,000                          |                     | \$ 2,830,000    |
| 200.200.05500000.5020           | Misc. Metal                                 | \$ 2,342,185                          |                     | \$ 2,342,185    |
| 200.200.0710000.5020            | Waterproofing (Below Grade)                 | \$ 153,713                            |                     | \$ 153,713      |
| 200.200.07100010.5020           | Waterproofing (Above Grade)                 | \$ 851,060                            |                     | \$ 851,060      |
| 200.200.07500000.5020           | Roofing                                     | \$ 1,213,500                          |                     | \$ 1,213,500    |
| 200.200.08810000.5020           | Interior Glass                              | \$ 1,004,000                          |                     | \$ 1,004,000    |
| 200.200.09300000.5020           | Tile  | \$ 1,015,800                          |                     | \$ 1,015,800    |
| 200.200.09510000.5020           | Acoustic Ceilings                           | \$ 1,059,000                          |                     | \$ 1,059,000    |
| 200.200.09650000.5020           | Resilient Floor                             | \$ 412,335                            |                     | \$ 412,335      |
| 200.200.09400000.5020           | Terrazzo                                    | \$ 951,131                            |                     | \$ 951,131      |
| 200.200.0900000.5020            | Paint                                       | \$ 334,000                            |                     | \$ 334,000      |
| 200.200.15300000.5020           | Fire Protection                             | \$ 789,125                            |                     | \$ 789,125      |
| 200.200.15400000.5020           | Plumbing                                    | \$ 1,893,000                          |                     | \$ 1,893,000    |
| 200.200.15700000.5020           | HVAC  | \$ 7,441,500                          |                     | \$ 7,441,500    |
| 200.200.16000000.5020           | Electric                                    | \$ 4,096,000                          |                     | \$ 4,096,000    |
| <b>PROJECT B: Tappan Gym</b>    |   |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>       |   |                                       |                     |                 |
|                                 |   | \$ -                                  |                     | \$ -            |
| <b>TRADE CONTRACTS (BONDS))</b> |   |                                       |                     |                 |
|                                 |   | \$ -                                  |                     | \$ -            |
| <b>PROJECT C: STEM</b>          |   |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>       |   |                                       |                     |                 |
|                                 | Final Cleaning                              | \$ -                                  | \$ 102,000          | \$ 102,000      |
| 300.300.01583500.5020           | Scaffold and Overhead Protection            | \$ 214,050                            |                     | \$ 214,050      |
| 300.300.002000020.5020          | Sitework (STEM)                             | \$ 2,580,500                          |                     | \$ 2,580,500    |
| 300.300.02065000.5020           | Concrete (STEM)                             | \$ 1,912,041                          |                     | \$ 1,912,041    |
|                                 | Site Concrete                               | \$ -                                  | \$ 369,000          | \$ 369,000      |
| 300.300.02220000.5020           | Demolition and Abatement (STEM)             | \$ 1,515,859                          |                     | \$ 1,515,859    |
| 300.300.03400000.5020           | Precast Concrete (STEM)                     | \$ 209,442                            |                     | \$ 209,442      |
| 300.300.05120000.5020           | Structural Steel (STEM)                     | \$ 3,100,000                          |                     | \$ 3,100,000    |
|                                 | Millwork                                    | \$ 10,631                             | \$ 177,486          | \$ 188,117      |
| 300.300.07250000.5020           | Fireproofing                                | \$ 68,900                             |                     | \$ 68,900       |
| 300.300.08300020.5020           | Overhead Doors                              | \$ 34,446                             |                     | \$ 34,446       |

**EXHIBIT E – SCHEDULE OF VALUES**

|  | DESCRIPTION OF WORK              | Summary of Pre GMP Amendments 1 to 18 | GMP AMENDMENT VALUE | TOTAL GMP VALUE |
|--|----------------------------------|---------------------------------------|---------------------|-----------------|
| 300.300.08100000.5020                  | Doors, Frames Hardware           | \$ 157,800                            |                     | \$ 157,800      |
| 300.300.08910000.5020                  | Curtainwall (STEM)               | \$ 3,039,510                          |                     | \$ 3,039,510    |
| 300.300.09250005.5020                  | Drywall (STEM)                   | \$ 3,497,950                          |                     | \$ 3,497,950    |
| 300.300.09680020.5020                  | Carpet                           | \$ 13,845                             |                     | \$ 13,845       |
|  | Resinous Flooring                | \$ 22,845                             |                     | \$ 22,845       |
|  | Misc. Specialties                | \$ 135,901                            |                     | \$ 135,901      |
|  | Signage                          | \$ 49,977                             |                     | \$ 49,977       |
|  | Food Service                     | \$ 7,500                              | \$ 505,150          | \$ 512,650      |
|  | Window Shades                    |                                       | \$ 46,625           | \$ 46,625       |
|  | Laboratory Casework              | \$ 30,000                             | \$ 959,914          | \$ 989,914      |
| 300.300.1420000.5020                   | Elevators (STEM)                 | \$ 197,445                            |                     | \$ 197,445      |
|  | Audio Visual                     | \$ 8,170                              | \$ 227,091          | \$ 235,261      |
|  | Landscape / Hardscape            |                                       | \$ 244,644          | \$ 244,644      |
| <b>TRADE CONTRACTS (BONDS))</b>        |                                  |                                       |                     |                 |
| 300.300.04000010.5020                  | Masonry (STEM)                   | \$ 1,532,000                          |                     | \$ 1,532,000    |
| 300.300.05000010.5020                  | Misc. Metal (STEM)               | \$ 1,010,000                          |                     | \$ 1,010,000    |
| 300.300.07100010.5020                  | Waterproofing (STEM Below Grade) | \$ 91,972                             |                     | \$ 91,972       |
| 300.300.07100020.5020                  | Waterproofing (STEM Above Grade) | \$ 349,600                            |                     | \$ 349,600      |
| 300.300.07330010.5020                  | Roofing (STEM)                   | \$ 527,675                            |                     | \$ 527,675      |
| 300.300.08800000.5020                  | Interior Glass (STEM)            | \$ 496,650                            |                     | \$ 496,650      |
| 300.300.09300000.5020                  | Tile (STEM)                      | \$ 455,262                            |                     | \$ 455,262      |
| 300.300.09510000.5020                  | Acoustic Ceilings (STEM)         | \$ 593,900                            |                     | \$ 593,900      |
| 300.300.09650000.5020                  | Resilient Floor (STEM)           | \$ 339,539                            |                     | \$ 339,539      |
| 300.300.09400000.5020                  | Terrazzo (STEM)                  | \$ 868,498                            |                     | \$ 868,498      |
| 300.300.09900000.5020                  | Paint (STEM)                     | \$ 237,780                            |                     | \$ 237,780      |
| 300.300.15300010.5020                  | Fire Protection (STEM)           | \$ 436,922                            |                     | \$ 436,922      |
| 300.300.15400010.5020                  | Plumbing (STEM)                  | \$ 1,503,800                          |                     | \$ 1,503,800    |
| 300.300.15700010.5020                  | HVAC (STEM)                      | \$ 4,342,400                          |                     | \$ 4,342,400    |
| 300.300.16000010.5020                  | Electric (STEM)                  | \$ 3,027,000                          |                     | \$ 3,027,000    |
| <b>PROJECT C: Enabling</b>             |                                  |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>              |                                  |                                       |                     |                 |
| 300.310.01406500.5020                  | Final Cleaning (Enabling)        | \$ -                                  |                     | \$ -            |
| 300.310.02000000.5020                  | Sitework (Enabling)              | \$ 853,300                            |                     | \$ 853,300      |
| 300.310.02065000.5020                  | Concrete (Enabling)              | \$ 263,500                            |                     | \$ 263,500      |
| 300.310.07400000.5020                  | Roofing (Enabling)               | \$ 78,000                             |                     | \$ 78,000       |
| 300.310.08000000.5020                  | Doors, Frames, HDW (Enabling)    | \$ 17,366                             |                     | \$ 17,366       |
| 300.310.09250000.5020                  | Drywall (Enabling)               | \$ 340,050                            |                     | \$ 340,050      |
| 300.310.09600000.5020                  | Flooring (Enabling)              | \$ 10,000                             |                     | \$ 10,000       |
| <b>TRADE CONTRACTS (BONDS))</b>        |                                  |                                       |                     |                 |
| 300.310.04000000.5020                  | Masonry (Enabling)               | \$ 163,700                            |                     | \$ 163,700      |
| 300.310.05000000.5020                  | Misc. Metals (Enabling)          | \$ 86,540                             |                     | \$ 86,540       |
| 300.310.07100000.5020                  | Waterproofing (Enabling)         | \$ 61,139                             |                     | \$ 61,139       |
| 300.310.09910000.5020                  | Painting (Enabling)              | \$ 35,900                             |                     | \$ 35,900       |
| 300.310.15300000.5020                  | Fire Protection (Enabling)       | \$ 96,263                             |                     | \$ 96,263       |
| 300.310.15400000.5020                  | Plumbing (Enabling)              | \$ 278,000                            |                     | \$ 278,000      |
| 300.310.15700000.5020                  | HVAC (Enabling)                  | \$ 847,000                            |                     | \$ 847,000      |
| 300.310.16000000.5020                  | Electric (Enabling)              | \$ 383,000                            |                     | \$ 383,000      |
| <b>PROJECT D: 3rd Floor</b>            |                                  |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>              |                                  |                                       |                     |                 |
|  |                                  | \$ -                                  |                     | \$ -            |
| <b>TRADE CONTRACTS (BONDS))</b>        |                                  |                                       |                     |                 |
|  |                                  | \$ -                                  |                     | \$ -            |
| <b>PROJECT E: Streetscapes</b>         |                                  |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>              |                                  |                                       |                     |                 |
|  |                                  | \$ -                                  |                     | \$ -            |
| <b>TRADE CONTRACTS (BONDS))</b>        |                                  |                                       |                     |                 |
|  |                                  | \$ -                                  |                     | \$ -            |
| <b>PROJECT F: Deferred Maintenance</b> |                                  |                                       |                     |                 |
| <b>SUBCONTRACTS (SDI)</b>              |                                  |                                       |                     |                 |
| 300.320.14400000.5020                  |                                  | \$ 898,317                            |                     | \$ 898,317      |
| <b>TRADE CONTRACTS (BONDS))</b>        |                                  |                                       |                     |                 |
|  |                                  | \$ -                                  |                     | \$ -            |
| <b>SUBTOTAL</b>                        |                                  | \$ 97,391,645                         | \$ 14,655,874       | \$ 112,047,519  |
| 100.110.01912000.5040                  | Subcontractor Default Insurance  | \$ 693,936                            | \$ 130,820          | \$ 824,756      |
| <b>PROJECT H: MBTA WORK</b>            |                                  |                                       |                     |                 |
| 400.400.02800010.5020                  | Enabling and OCS / Platform      | \$ 11,259,791                         |                     | \$ 11,259,791   |
| <b>TOTAL DIRECT COST</b>               |                                  | \$ 109,345,372                        | \$ 14,786,694       | \$ 124,132,066  |
|  | Design Contingency               | \$ -                                  |                     | \$ -            |
| 100.800.23900200.5040                  | Construction Contingency         | \$ 2,947,067                          | \$ (125,260)        | \$ 2,821,807    |
|  | Escalation Contingency           | \$ -                                  |                     | \$ -            |
| 100.850.00000010.5020                  | Owner Overtime Allowance         | \$ 130,000                            |                     | \$ 130,000      |



EXHIBIT E – SCHEDULE OF VALUES

|                                 | DESCRIPTION OF WORK            | Summary of Pre GMP Amendments 1 to 18 | GMP AMENDMENT VALUE  | TOTAL GMP VALUE       |
|---------------------------------|--------------------------------|---------------------------------------|----------------------|-----------------------|
| C19.850.00000020.5020           | COVID Emergency Allowance      | \$ 50,000                             |                      | \$ 50,000             |
| <b>TOTAL CONTINGENCIES</b>      |                                | <b>\$ 3,127,067</b>                   | <b>\$ (125,260)</b>  | <b>\$ 3,001,807</b>   |
| 100.110.01901000.5040           | Builder's Risk Insurance       | \$ 314,923                            | \$ 41,052            | \$ 355,975            |
| 100.110.01922500.5040           | C.C.I.P.                       | \$ 3,095,264                          | \$ 528,393           | \$ 3,623,657          |
| 100.110.01903500.5040           | Railroad Insurance             | \$ 95,950                             | \$ 1,971             | \$ 97,921             |
| 100.110.01911000.5040           | Skanska Bond                   | \$ 897,876                            | \$ 153,293           | \$ 1,051,169          |
| <b>TOAL INSURACNE AND BONDS</b> |                                | <b>\$ 4,404,013</b>                   | <b>\$ 724,709</b>    | <b>\$ 5,128,722</b>   |
| 100.100.01000000.5010           | General Conditions             | \$ 3,919,105                          | \$ 5,234,895         | \$ 9,154,000          |
| <b>SUBTOTAL CM SERVICES</b>     |                                | <b>\$ 3,919,105</b>                   | <b>\$ 5,234,895</b>  | <b>\$ 9,154,000</b>   |
| 100.900.26500000.4400           | Fee                            | \$ 2,201,258                          | \$ 378,030           | \$ 2,579,289          |
| 100.100.01100000.5010           | Change Order OH&P              | \$ -                                  | \$ -                 | \$ -                  |
| <b>CONSTRUCTION TOTAL</b>       |                                | <b>\$ 122,996,815</b>                 | <b>\$ 20,999,068</b> | <b>\$ 143,995,883</b> |
| 100.PRE.00100000.5010           | Preconstruction Services       | \$ 476,928                            |                      | \$ 476,928            |
| 100.PRE.00100000.5010           | MBTA Preconstruction           | \$ 70,512                             |                      | \$ 70,512             |
|                                 | PCCO 1 (Pre GMP Amendment 12b) | \$ 88,281                             |                      | \$ 88,281             |
|                                 | PCCO 2 (Pre GMP Amendment 13b) | \$ 37,453                             |                      | \$ 37,453             |
|                                 | PCCO 3 (Pre GMP Amendment 14b) | \$ 64,993                             |                      | \$ 64,993             |
|                                 | PCCO 4 (Pre GMP Amendment 15b) | \$ 45,978                             |                      | \$ 45,978             |
|                                 | PCCO 5 (Pre GMP Amendment 17b) | \$ 218,483                            |                      | \$ 218,483            |
|                                 | PCCO 6 (Pre GMP Amendment 18b) | \$ 71,821                             |                      | \$ 71,821             |
|                                 | Owner Pandemic Allowance       |                                       | \$ 150,000           | \$ 150,000            |
| <b>GRAND TOTAL</b>              |                                | <b>\$ 124,071,264</b>                 | <b>\$ 21,149,068</b> | <b>\$ 145,220,332</b> |



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT F: SCHEDULE OF ALTERNATES**

**None**



**EXHIBIT G: SCHEDULE OF UNIT PRICES**

**The following unit prices were previously included in Pre-GMP Amendments and approved by the Brookline Building Commission.**

Unit prices include subcontractor's labor and equipment in the unit costs, they do not include construction manager's costs or mark ups.

| <b>DESCRIPTION</b>  | <b>UNIT COST ADD</b>      | <b>UNIT COST DEDUCT</b>   |
|---|---------------------------|---------------------------|
| Disposal of material classified as Less Than RCS-1        | \$30.60/cy<br>\$17/ton    | \$30.60/cy<br>\$17/ton    |
| Disposal of material classified as Regulated A Material   | \$73.80/cy<br>\$41/ton    | \$73.80/cy<br>\$41/ton    |
| Disposal of material classified as Regulated B Material   | \$92.70/cy<br>\$51.50/ton | \$92.70/cy<br>\$51.50/ton |
| Disposal of material classified as Regulated C Material   | \$109.80/cy<br>\$61/ton   | \$109.80/cy<br>\$61/ton   |
| Disposal of material classified as Regulated D Material   | \$154.80/cy<br>\$86/ton   | \$154.80/cy<br>\$86/ton   |
| Open General Excavation                                   | \$12/cy                   | \$12/cy                   |
| Trench General Excavation                                 | \$25/cy                   | \$25/cy                   |
| Gravel burrow, Compacted In-Place, from Off-Site Source   | \$55/cy                   | \$55/cy                   |
| Crushed Stone, Compacted In-Place, from Off-Site Source   | \$60/cy                   | \$60/cy                   |
| Structural Fill, Compacted In-Place, from On-Site Source  | \$45/cy                   | \$45/cy                   |
| Structural Fill, Compacted In-Place, from Off-Site Source | \$55/cy                   | \$55/cy                   |
| Ordinary Fill, Compacted In-Place, from Off-Site Source   | \$40/cy                   | \$40/cy                   |



**EXHIBIT G: SCHEDULE OF UNIT PRICES**

|  |            |          |
|--|------------|----------|
| Ordinary Fill, Compacted In-Place, from On-Site Source     | \$50/cy    | \$50/cy  |
| Removal & Disposal of unreinforced concrete                | \$90/cy    | \$90/cy  |
| Removal & Disposal of reinforced concrete                  | \$100/cy   | \$100/cy |
| Removal & Disposal of solid waste                          | \$150/cy   | \$150/cy |
| Resilient Flooring unit cost per s.f. for 1000 square feet | \$6.83     |          |
| Disposal of material classified as less than RCS-1         | \$52.95/CY |          |
| Disposal of material classified as less than RCS-1         | \$36.50/TN |          |
| Disposal of material classified as less than RCS-2         | \$56.35/CY |          |
| Disposal of material classified as less than RCS-2         | \$38.85/TN |          |
| Disposal of Regulated A Material – in state unlined        | \$91.50/CY |          |
| Disposal of Regulated A Material – in state unlined        | \$63.10/TN |          |
| Disposal of Regulated B Material – in state lined          | \$79.95/CY |          |
| Disposal of Regulated B Material – in state lined          | \$55/TN    |          |
| Disposal of Regulated C Material – in state asphalt batch  | \$78.75/CY |          |
| Disposal of Regulated C Material – in state asphalt batch  | \$54.30/TN |          |

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**EXHIBIT G: SCHEDULE OF UNIT PRICES**

|   |               |  |
|---|---------------|--|
| Disposal of Regulated D Material – out of state                     | \$201.50/CY   |  |
| Disposal of Regulated D Material – out of state                     | \$139/TN      |  |
| Open General Excavation   | \$30/CY       |  |
| Trench – General Excavation   | \$65/CY       |  |
| Gravel Burrow, compacted in-place from off-site source              | \$120/CY      |  |
| Crushed stone, compacted in-place from off-site source              | \$55/CY       |  |
| Structural Fill, compacted in-place from on-site source             | \$55/CY       |  |
| Structural Fill, compacted in-place from off-site source            | \$75/CY       |  |
| Ordinary Fill, compacted in-place from off-site source              | \$65/CY       |  |
| Ordinary Fill, compacted in-place from on-site source               | \$50/CY       |  |
| Removal and disposal of unreinforced concrete                       | \$179/CY      |  |
| Removal and disposal of reinforced concrete                         | \$350/CY      |  |
| Removal and disposal of solid waste                                 | \$ - /CY      |  |
| Removal of obstructions within a trench box                         | \$750/HR      |  |
| Removal of obstructions with temp. earth support                    | \$50/SF       |  |
| Drilled mini-pile with 200 ton compression/15 kips lateral capacity | \$17,560/Pile |  |

Guaranteed Maximum Price Submission  
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Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT G: SCHEDULE OF UNIT PRICES**

|  |                |  |
|--|----------------|--|
| Drilled mini-pile with 200 ton compression   | \$17,560/Pile  |  |
| Drilled mini-pile with 200 ton compression and 10 tons tension                           | \$18,810/Pile  |  |
| Drilled mini-pile with 50 tons compression   | \$14,185/Pile  |  |
| Drilled mini-piles – coring or using a “down-hole hammering” to penetrate granite blocks | \$1,920/HR     |  |
| Drilled mini-piles – pile load test for 200 ton compression                              | \$107,300/Test |  |
| Drilled mini=piles – Removal of obstructions below depth of 10 feet                      | \$1,920/HR     |  |
| Aggregate piers – additional mobilization  | \$46,400/EA    |  |
| Aggregate piers – additional installed piers (w/o remobilization)                        | \$350/EA       |  |
| Aggregate piers – additional installed piers (with mobilizations)                        | \$47,450/EA    |  |
| Aggregate Piers – additional successful modulus Tests                                    | \$16,870/EA    |  |
| Aggregate Piers – pre-auguring or spudding   | \$192/HR       |  |
| 6" Diameter shop fabricated Beam Penetration   | \$50/Each      |  |
| 6" Diameter field welded Beam Penetration  | \$440/Each     |  |
| 12" x 18" shop fabricated Beam Penetration   | \$400/Each     |  |

Guaranteed Maximum Price Submission  
 Revision Number: 001  
 Date: July 10, 2020



Town of Brookline

**Brookline High School Expansion Project | Project A and B****EXHIBIT G: SCHEDULE OF UNIT PRICES**

|  |              |  |
|--|--------------|--|
| 12" x 18" field welded<br>Beam Penetration       | \$2,800/Each |  |
| 3" 18 GA Galvanized Metal<br>Decking - installed | \$600/Each   |  |
| 3-1/2" 18 GA Acoustic<br>Decking - installed     | \$1,400/Each |  |
| 20" x 10" shop fabricated<br>Beam Penetrations   | \$400/Each   |  |
| 20" x 10" field welded<br>Beam Penetrations      | \$2,800/Each |  |
| 12" x 8" shop fabricated<br>Beam Penetration     | \$350/Each   |  |
| 12" x 8" field welded Beam<br>Penetration        | \$2,000/Each |  |

Guaranteed Maximum Price Submission  
Revision Number: 001  
Date: July 10, 2020



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT H: TIME LIMIT FOR ACCEPTANCE**

| <b>Submitted Date</b>                  | <b>Required Acceptance Date</b>       |
|--|---------------------------------------|
| Original Submission:<br>March 13, 2020 | Original Submission:<br>June 11, 2020 |
| Revision 001:<br>July 10, 2020         | Revision 001:<br>July 14, 2020        |





Town of Brookline

## Brookline High School Expansion Project | Project A and B

### EXHIBIT I: OWNER CHANGE LOG SUMMARY – OUT OF SCOPE ONLY

This GMP excludes all change orders, proposed change orders and cost events in the SKA change management system (except prior approved PCCO's)

|              |                                    |
|--------------|------------------------------------|
| \$ 2,600,887 | Approximate Projection             |
| \$ 2,017,504 | Proposed Projection                |
| \$ 4,618,391 | Total Change Management Projection |

See attached worksheets dated July 8, 2020 for detailed log of projections.



**Owner Change Log**  
Summary - Out of Scope Only

**Skanska USA Building Inc.**  
**1318014 -Brookline High School**  
115 Greenough Street, Brookline,  
MA 02445

**Project # 1318014 Brookline High School**

**Change Summary**

- Shading identifies CE budget allocation

| AR      | CE       | Initiated  | Out of Scope                        | Description   | Approximate                  | Proposed                           | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|------------|-------------------------------------|---|------------------------------|------------------------------------|-----------|------------|----------|---------|---------------|
| 200.069 | 200.1002 | 8/7/2019   | <input checked="" type="checkbox"/> | CYPRESS - Impacts to Elevator Decommissioning Due to Work by Others | \$5,512                      | <input type="checkbox"/> \$4,574   | Submitted | 06/15/2020 |          | \$0     |               |
|         | 200.1004 | 8/12/2019  | <input checked="" type="checkbox"/> | CYPRESS - RFI 032 - Add Embeds for Future OCS                       | <input type="checkbox"/> \$0 | \$0                                |           |            |          | \$0     |               |
|         | 200.1006 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Elevator Decommissioning                                  | \$0                          | \$0                                |           |            |          | \$0     |               |
| 200.081 | 200.1007 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Refrigerant Recovery                                      | \$4,409                      | <input type="checkbox"/> \$4,194   | Submitted | 07/06/2020 |          | \$0     |               |
|         | 200.1008 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - MBTA License of Entry Delay                               | \$0                          | \$0                                |           |            |          | \$0     |               |
| 200.068 | 200.1018 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009 - GMP Set                              | \$418,890                    | <input type="checkbox"/> \$424,280 | Submitted | 06/09/2020 |          | \$0     |               |
|         | 200.1019 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.1 - GMP Set Addenda 01                 | <input type="checkbox"/> \$0 | \$0                                |           |            |          | \$0     |               |
| 200.048 | 200.1020 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Dow Company/Iron Tree Weekend Cancellation                | \$38,582                     | <input type="checkbox"/> \$22,281  | Submitted | 05/21/2020 |          | \$0     |               |
|         | 200.1022 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Fire Protection Service at Cypress                        | \$0                          | \$0                                |           |            |          | \$0     |               |
| 200.017 | 200.1023 | 9/20/2019  | <input checked="" type="checkbox"/> | CYPRESS - Credit for Furniture Removed by Others                    | \$(842)                      | <input type="checkbox"/> \$(772)   | Submitted | 04/15/2020 |          | \$0     |               |
|         | 200.1025 | 10/10/2019 | <input checked="" type="checkbox"/> | CYPRESS - Replenish Line Protection Provided by MBTA                | \$11,023                     | \$0                                |           |            |          | \$0     |               |
|         | 200.1029 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.2 - GMP Set Addenda 02                 | \$0                          |                                    |           |            |          | \$0     |               |
|         | 200.1030 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.3 - GMP Set Addenda 03                 | <input type="checkbox"/> \$0 | \$0                                |           |            |          | \$0     |               |
|         | 200.1031 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.4 - GMP Set Addenda 04                 | <input type="checkbox"/> \$0 | \$0                                |           |            |          | \$0     |               |
|         | 200.1032 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.5 - GMP Set Addenda 05                 | \$0                          |                                    |           |            |          | \$0     |               |

**Project # 1318014 Brookline High School**

**Change Summary**  - Shading identifies CE budget allocation

| AR      | CE       | Initiated  | Out of Scope                        | Description   | Approximate | Proposed | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|------------|-------------------------------------|---|-------------|----------|-----------|------------|----------|---------|---------------|
| 200.050 | 200.1033 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 011 - Ductbank, Slab and Window Updates                    | \$4,724     | \$2,967  | Submitted | 05/21/2020 |          |         |               |
|         | 200.1034 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 009.6 - GMP Set Addenda 06                                 | \$0         |          |           |            |          |         |               |
|         | 200.1036 | 10/25/2019 | <input checked="" type="checkbox"/> | CYPRESS - RFI 019 - Mini Pile Loading   | \$0         | \$0      |           |            |          |         |               |
| 200.054 | 200.1040 | 11/4/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 017 - Physics Collaboration HSS                            | \$2,756     | \$1,774  | Submitted | 05/26/2020 |          |         |               |
| 200.015 | 200.1041 | 11/4/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 018 - Head Details at Acoustic Deck                        | \$1,654     | \$0      | Submitted | 04/15/2020 |          |         |               |
| 200.071 | 200.1042 | 11/4/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 012 - Elevator Hoistway Updates                            | \$0         | \$16,353 | Submitted | 06/15/2020 |          |         |               |
|         | 200.1044 | 11/4/2019  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 019 - Anchor Bolt Clarifications                           | \$0         | \$0      |           |            |          |         |               |
| 200.016 | 200.1045 | 11/19/2019 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 020 - Steel Detail Revisions                               | \$36,536    | \$0      | Open      | 04/14/2020 |          |         |               |
|         | 200.1050 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 024 - Signage Update per Commission on Disability Meeting  | \$0         |          |           |            |          |         |               |
| 200.061 | 200.1052 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 027 - Window Shades & White Box Barn Door                  | \$1,419     | \$24,549 | Submitted | 05/29/2020 |          |         |               |
|         | 200.1054 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 031 - RFI-072 Lintel Clarification                         | \$2,104     | \$0      |           |            |          |         |               |
|         | 200.1056 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 032 - Footing Coordination at Existing Site Retaining Wall | \$0         | \$0      |           |            |          |         |               |
|         | 200.1057 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 036 - RFI-078 Condensing Unit Clarification                | \$256       | \$0      |           |            |          |         |               |
|         | 200.1058 | 1/7/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 037 - Metal Wall Panel Specification Update                | \$0         | \$0      |           |            |          |         |               |
|         | 200.1059 | 1/14/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 038 - Streetscape Revisions                                | \$0         | \$0      |           |            |          |         |               |
|         | 200.1060 | 1/30/2020  | <input checked="" type="checkbox"/> | CYPRESS - CLOSED  | \$0         |          |           |            |          |         |               |
|         | 200.1063 | 2/3/2020   | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 040 - Shaft Dimensional Adjustment                         | \$0         | \$0      |           |            |          |         |               |

**Project # 1318014 Brookline High School**

**Change Summary**  - Shading identifies CE budget allocation

| AR      | CE       | Initiated | Out of Scope                        | Description  | Approximate | Proposed | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|-----------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 200.1066 | 2/3/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 45.1 - RFI-093 AHU-3 & AHU-4 Pad Locations      | \$0         | \$0      |           |            | \$0      |         |               |
| 200.042 | 200.1068 | 2/4/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 051 - Operable Vent Modifications               | \$0         | \$0      | Submitted | 05/19/2020 | \$0      |         |               |
|         | 200.1069 | 2/4/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 046 - Acoustic Partition Plate Removal          | \$94,590    | \$0      |           |            | \$0      |         |               |
|         | 200.1070 | 2/4/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 048 - Fibrous Additive - RFI 114                | \$5,512     | \$0      |           |            | \$0      |         |               |
|         | 200.1072 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 041 - Tappan Street Scape                       | \$701,842   | \$0      |           |            | \$0      |         |               |
|         | 200.1073 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 050 - RFI 115 Underdrain System                 | \$47,220    | \$0      |           |            | \$0      |         |               |
|         | 200.1074 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 045 - RFI 093 AHU-3 & 4 Location Adjustment     | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1075 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 041.1 - Streetscape Structural Soils            | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1076 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 042 - RFI's 083, 103, 105 - Clarifications      | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1077 | 2/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 045.2 Food Service Condenser Locations          | \$0         | \$0      |           |            | \$0      |         |               |
| 200.053 | 200.1079 | 2/6/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 047 - Smoke Detectors (ref; Fire Smoke Dampers) | \$36,377    | \$86,738 | Submitted | 05/26/2020 | \$0      |         |               |
| 200.055 | 200.1080 | 2/6/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 016 - Curtainwall Updates                       | \$0         | \$0      | Open      | 05/26/2020 | \$0      |         |               |
| 200.074 | 200.1082 | 2/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 028 - VM - Tile and Bases                       | \$(10,450)  | \$15,378 | Open      | 06/16/2020 | \$0      |         |               |
|         | 200.1085 | 2/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 035 - RFI-075 N. Porch TOC                      | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1087 | 2/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 043 - RFI-082                                   | \$0         | \$0      |           |            | \$0      |         |               |
| 200.060 | 200.1088 | 2/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 044 - Eye Wash Station                          | \$5,512     | \$5,870  | Submitted | 05/29/2020 | \$0      |         |               |
|         | 200.1089 | 2/12/2020 | <input checked="" type="checkbox"/> | CYPRESS - UG Electric Conduit  | \$75,000    | \$0      |           |            | \$0      |         |               |

**Project # 1318014 Brookline High School**

**Change Summary**  - Shading identifies CE budget allocation

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|---------|----------|-----------|-------------------------------------|--|-------------|------------|-----------|------------|----------|---------|---------------|
| 200.045 | 200.1091 | 2/14/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 054 - Electric Duct Bank Revisions                                  | \$0         | \$0        | Submitted | 05/21/2020 |          | \$0     |               |
| 200.040 | 200.1094 | 3/2/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 058 White Box Tile Replacement & Room Name Changes                  | \$0         | \$12,878   | Submitted | 05/19/2020 |          | \$0     |               |
| 200.037 | 200.1098 | 3/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Precast - Cypress Bridge Abutment Conflict   | \$16,535    | \$13,960   | Submitted | 05/15/2020 |          | \$0     |               |
| 200.029 | 200.1099 | 3/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Sequence 1 - Structural Bracing at North Side (CL A to B)                          | \$22,047    | \$15,898   | Submitted | 05/08/2020 |          | \$0     |               |
|         | 200.1100 | 3/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin - 060 - Electrical Specification Revisions                          | \$0         |            |           |            |          | \$0     |               |
| 200.070 | 200.1102 | 3/13/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 057 -Sliding Gates  | \$0         | \$(28,105) | Submitted | 06/15/2020 |          | \$0     |               |
| 200.020 | 200.1105 | 3/17/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 070 - Brook Chanel Culvert Manhole Abandonment                      | \$33,070    | \$58,480   | Submitted | 04/23/2020 |          | \$0     |               |
|         | 200.1107 | 3/19/2020 | <input checked="" type="checkbox"/> | CYPRESS - CLOSED   | \$0         |            |           |            |          | \$0     |               |
|         | 200.1109 | 3/19/2020 | <input checked="" type="checkbox"/> | CYPRESS - Regulated Soil Disposal / Reuse on Site / Material Qty Overruns                    | \$125,000   | \$0        |           |            |          | \$0     |               |
| 200.019 | 200.1110 | 3/23/2020 | <input checked="" type="checkbox"/> | CYPRESS - Excavate for Domestic Water cut, cap, and relocation                               | \$0         | \$10,495   | Open      | 04/23/2020 |          | \$0     |               |
| 200.076 | 200.1111 | 3/23/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 068 - Water Heater Vent, Easement Louvers, Boiler Power             | \$7,716     | \$2,679    | Submitted | 06/19/2020 |          | \$0     |               |
| 200.056 | 200.1112 | 3/25/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 016.1 Curtain Wall Revisions  | \$0         | \$11,241   | Open      | 05/27/2020 |          | \$0     |               |
|         | 200.1125 | 3/30/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 071 - Cafeteria AV Lift Shades + Delete Bungalow Fa Speaker/Strobes | \$5,095     | \$0        |           |            |          | \$0     |               |
|         | 200.1126 | 3/31/2020 | <input checked="" type="checkbox"/> | CYPRESS - RFI-145 - Eversource Electrical Feeder   | \$9,354     | \$0        |           |            |          | \$0     |               |
| 200.077 | 200.1128 | 4/6/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 063 - Switchgear Pad Scope Revisions                                | \$(2,205)   | \$(1,450)  | Submitted | 06/23/2020 |          | \$0     |               |
| 200.078 | 200.1131 | 4/13/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 079 - RFI - 174 Water Service Connection Revision                   | \$0         | \$0        | Submitted | 06/23/2020 |          | \$0     |               |
|         | 200.1132 | 4/13/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 080 - RFI-147 - Gas, Oil, and Sand Separator                        | \$102,233   | \$0        |           |            |          | \$0     |               |

**Project # 1318014 Brookline High School**

**Change Summary**

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|---------|----------|-----------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 200.1134 | 4/16/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 033 - Non Trade Pre Bid RFI Responses                     | \$0         |          |           |            | \$0      |         |               |
|         | 200.1136 | 4/16/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 072 - Intumescent Paint Scope                             | \$611       | \$0      |           |            | \$0      |         |               |
|         | 200.1137 | 4/16/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 082 - RFI-181 Level 3 Brick Support Revisions             | \$6,615     | \$0      |           |            | \$0      |         |               |
|         | 200.1139 | 4/16/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 084 - Gridline PP Post Relocation                         | \$2,206     | \$0      |           |            | \$0      |         |               |
|         | 200.1140 | 4/24/2020 | <input checked="" type="checkbox"/> | CYPRESS - Remove Portal Base 173 Ref. RFI #182                                     | \$5,271     | \$0      |           |            | \$0      |         |               |
|         | 200.1143 | 5/4/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 087 - Angle location Length Revisions at Iso Bearing Pads | \$0         | \$0      |           |            | \$0      |         |               |
| 200.080 | 200.1144 | 5/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Cypress Street Utilities Conflict  | \$4,961     | \$3,150  | Open      | 06/29/2020 | \$0      |         |               |
| 200.079 | 200.1145 | 5/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 073 - MBTA Bungalow Grading & EMR Rating Revisions        | \$0         | \$14,112 | Open      | 06/23/2020 | \$0      |         |               |
|         | 200.1146 | 5/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 086 - Irrigation Connections                              | \$0         |          |           |            | \$0      |         |               |
|         | 200.1147 | 5/11/2020 | <input checked="" type="checkbox"/> | CYPRESS - Replenishment of OA for Rammed Aggregate Pier Obstruction Removal        | \$29,855    | \$0      |           |            | \$0      |         |               |
|         | 200.1148 | 5/18/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 080.1 - RFI-147 - Gas, Oil, & Sand Separator              | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1149 | 5/21/2020 | <input checked="" type="checkbox"/> | CYPRESS - Dow - Lost Productivity Due to N. Side Laydown Unavailable               | \$11,972    | \$0      |           |            | \$0      |         |               |
|         | 200.1150 | 5/22/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 041.4 - Irrigation Connections - Tappan Streetscape       | \$19,844    | \$0      |           |            | \$0      |         |               |
|         | 200.1151 | 5/26/2020 | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 088 - East Stair Stone Updates                            | \$9,370     | \$0      |           |            | \$0      |         |               |
|         | 200.1152 | 6/1/2020  | <input checked="" type="checkbox"/> | CYPRESS - MBTA Surge Shut Down   | \$105,294   | \$0      |           |            | \$0      |         |               |
|         | 200.1153 | 6/5/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 091 - Conference Room Projector                           | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1154 | 6/8/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 092 - Stair 3 Exterior Wall Revisions for Code            | \$8,267     | \$0      |           |            | \$0      |         |               |

**Project # 1318014 Brookline High School**

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| AR      | CE       | Initiated  | Out of Scope                        | Description  | Approximate | Proposed | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|------------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 200.1155 | 6/10/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 055 - De-Escalation Rm Wall Padding Floor                 | \$0         |          |           |            | \$0      |         |               |
|         | 200.1156 | 6/10/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 093 - Attic Stock Reductions                              | \$0         |          |           |            | \$0      |         |               |
|         | 200.1158 | 6/18/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 080.2 - RFI-205-R1 & RFI-217 - Gas, Oil, & Sand Separator | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1159 | 6/18/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 077 - B-Line Stone Support Reductions                     | \$0         | \$0      |           |            | \$0      |         |               |
|         | 200.1160 | 6/18/2020  | <input checked="" type="checkbox"/> | CYPRESS - Field Bulletin 041.5 - Irrigation Connections - RFI-216                  | \$5,513     | \$0      |           |            | \$0      |         |               |
|         | 200.1162 | 6/18/2020  | <input checked="" type="checkbox"/> | CYPRESS - Precast Modifications  | \$0         |          |           |            | \$0      |         |               |
|         | 200.1163 | 6/22/2020  | <input checked="" type="checkbox"/> | CYPRESS - Precast - Cypress Bridge Abutment Conflict - South Side                  | \$4,823     | \$0      |           |            | \$0      |         |               |
| 300.067 | 300.1002 | 8/19/2019  | <input checked="" type="checkbox"/> | STEM - FB 005, 005.1, 005.2 and 005.3: GMP Bid Set                                 | \$96,418    | \$92,338 | Submitted | 06/29/2020 | \$0      |         |               |
| 300.066 | 300.1013 | 10/7/2019  | <input checked="" type="checkbox"/> | STEM - FB 004 - Structural Coordination  | \$16,536    | \$18,581 | Submitted | 06/29/2020 | \$0      |         |               |
|         | 300.1014 | 8/19/2019  | <input checked="" type="checkbox"/> | STEM - FB 022 & 022.1 - West Demo and Expansion Joint                              | \$128,385   | \$0      |           |            | \$0      |         |               |
|         | 300.1016 | 10/28/2019 | <input checked="" type="checkbox"/> | STEM - Reduced SOE Scope   | \$(33,070)  | \$0      |           |            | \$0      |         |               |
| 300.033 | 300.1019 | 11/14/2019 | <input checked="" type="checkbox"/> | STEM - FB 024 & 24.1 - Haunch for Granite Base at Archway                          | \$9,921     | \$13,168 | Open      | 05/29/2020 | \$0      |         |               |
| 300.048 | 300.1023 | 12/16/2019 | <input checked="" type="checkbox"/> | STEM - FB 044: Sewer Tie In at Greenough   | \$16,583    | \$70,169 | Open      | 06/09/2020 | \$0      |         |               |
| 300.068 | 300.1037 | 1/6/2020   | <input checked="" type="checkbox"/> | STEM - FB 048 - Additional Auto Operators at Entry Doors 100A1 and 101A1           | \$6,614     | \$13,497 | Submitted | 07/06/2020 | \$0      |         |               |
|         | 300.1044 | 1/31/2020  | <input checked="" type="checkbox"/> | STEM - RFI 186 & FB 022.2: Chase Wall Adjacent L3 Demo Line                        | \$7,982     | \$0      |           |            | \$0      |         |               |
|         | 300.1045 | 1/31/2020  | <input checked="" type="checkbox"/> | STEM - RFI 190 & FB 022.2: Remaining Corner at NW Demo Line                        | \$116,151   | \$0      |           |            | \$0      |         |               |
|         | 300.1047 | 2/7/2020   | <input checked="" type="checkbox"/> | STEM - Remove Plywood from Overhead Protection                                     | \$4,657     | \$0      |           |            | \$0      |         |               |

**Project # 1318014 Brookline High School**

**Change Summary**  - Shading identifies CE budget allocation

| AR      | CE       | Initiated | Out of Scope                        | Description  | Approximate | Proposed | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|-----------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 300.1048 | 2/10/2020 | <input checked="" type="checkbox"/> | STEM - RFI 145R1: Interior Glazing Framing Change                          | \$43,934    | \$0      |           |            |          |         | \$0           |
| 300.069 | 300.1054 | 2/19/2020 | <input checked="" type="checkbox"/> | STEM - FB 059: Perm Shore, Roof Infill, NW Corridor and Demo               | \$19,091    | \$23,197 | Submitted | 07/07/2020 |          |         | \$0           |
| 300.056 | 300.1055 | 2/25/2020 | <input checked="" type="checkbox"/> | STEM - FB 060: Stair 1 Stringer and Dims                                   | \$20,857    | \$0      | Open      | 06/12/2020 |          |         | \$0           |
|         | 300.1060 | 3/5/2020  | <input checked="" type="checkbox"/> | STEM - FB 065: Exterior Mockup Clarifications                              | \$0         |          |           |            |          |         | \$0           |
| 300.057 | 300.1064 | 3/6/2020  | <input checked="" type="checkbox"/> | STEM - FB 062: Existing RWL Tie In   | \$30,206    | \$12,757 | Submitted | 06/15/2020 |          |         | \$0           |
|         | 300.1067 | 3/11/2020 | <input checked="" type="checkbox"/> | STEM - FB 019A: Masonry Connector  | \$34,988    | \$0      |           |            |          |         | \$0           |
| 300.062 | 300.1073 | 3/13/2020 | <input checked="" type="checkbox"/> | STEM - FB 033 & 033R1: Repair Crack in Existing Basement Ceiling Slab      | \$5,512     | \$11,546 | Submitted | 07/08/2020 |          |         | \$0           |
| 300.063 | 300.1074 | 3/13/2020 | <input checked="" type="checkbox"/> | STEM - FB 070 & 070R2: Existing Foundation at 1922 Demo                    | \$100,500   | \$77,591 | Submitted | 07/06/2020 |          |         | \$0           |
|         | 300.1075 | 3/17/2020 | <input checked="" type="checkbox"/> | STEM - FB 021.1: RFI #122  | \$5,000     | \$0      |           |            |          |         | \$0           |
|         | 300.1076 | 3/20/2020 | <input checked="" type="checkbox"/> | STEM - FB 071: CW-12 Adjustment  | \$1,290     | \$0      |           |            |          |         | \$0           |
|         | 300.1077 | 3/20/2020 | <input checked="" type="checkbox"/> | STEM - FB 063 & 063R1: Interior Finishes                                   | \$(1,808)   | \$0      |           |            |          |         | \$0           |
|         | 300.1080 | 5/5/2020  | <input checked="" type="checkbox"/> | STEM - FB 076: Limestone Cornice, Belt, Hangers, and TWF                   | \$(34,990)  | \$0      |           |            |          |         | \$0           |
| 300.060 | 300.1081 | 4/16/2020 | <input checked="" type="checkbox"/> | STEM - FB 073: Split Unit Piping   | \$3,858     | \$0      | Open      | 07/01/2020 |          |         | \$0           |
|         | 300.1084 | 4/22/2020 | <input checked="" type="checkbox"/> | STEM - FB 074: Reduce Mock Up Scope  | \$(257)     | \$0      |           |            |          |         | \$0           |
| 300.054 | 300.1085 | 4/26/2020 | <input checked="" type="checkbox"/> | STEM - FB 075 & 075R1: Exterior Lights Location                            | \$1,322     | \$5,109  | Open      | 06/29/2020 |          |         | \$0           |
|         | 300.1086 | 4/28/2020 | <input checked="" type="checkbox"/> | STEM - FB 082: Delete Modify Thru Wall Flashing, Additional Control Joints | \$1,103     | \$0      |           |            |          |         | \$0           |
| 300.055 | 300.1087 | 4/29/2020 | <input checked="" type="checkbox"/> | STEM - FB 083: Acoustic Revisions  | \$23,149    | \$20,798 | Open      | 06/12/2020 |          |         | \$0           |
| 300.053 | 300.1090 | 5/7/2020  | <input checked="" type="checkbox"/> | STEM - FB 081: Electrical, IT, and AV Coordination                         | \$6,556     | \$0      | Open      | 06/12/2020 |          |         | \$0           |
|         | 300.1092 | 5/14/2020 | <input checked="" type="checkbox"/> | STEM - FB 079: Toilet Accessories, EWCs                                    | \$1,222     | \$0      |           |            |          |         | \$0           |



**Project # 1318014 Brookline High School**

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|---------|----------|-----------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 300.1094 | 5/14/2020 | <input checked="" type="checkbox"/> | STEM - FB 085 & 085R1: Slab Edge Coordination                  | \$5,195     | \$0      |           |            |          |         |               |
| 300.059 | 300.1095 | 5/18/2020 | <input checked="" type="checkbox"/> | STEM - FB 087: Remove-Replace Beam Smoke Detectors             | \$2,206     | \$6,151  | Submitted | 06/19/2020 |          |         |               |
|         | 300.1096 | 5/20/2020 | <input checked="" type="checkbox"/> | STEM - D/F/H Submittal Comments                                | \$3,651     | \$0      |           |            |          |         |               |
| 300.032 | 300.1097 | 5/21/2020 | <input checked="" type="checkbox"/> | STEM - Disposal of Concrete and Granite in Excavation          | \$10,070    | \$10,070 | Void      | 05/22/2020 |          |         |               |
|         | 300.1100 | 3/20/2020 | <input checked="" type="checkbox"/> | STEM - FB 063R2: Interior Finishes                             | \$(764)     | \$0      |           |            |          |         |               |
|         | 300.1102 | 6/3/2020  | <input checked="" type="checkbox"/> | STEM - FB 086: Interior Partitions Toilet Rooms                | \$(2,425)   | \$0      |           |            |          |         |               |
|         | 300.1103 | 6/3/2020  | <input checked="" type="checkbox"/> | STEM - FB 082R1: Alternate Relieving Angles                    | \$3,307     | \$0      |           |            |          |         |               |
|         | 300.1107 | 6/9/2020  | <input checked="" type="checkbox"/> | STEM - FB 089: Slab and Anchorage Existing Connector Option 1  | \$13,228    | \$0      |           |            |          |         |               |
|         | 300.1108 | 6/9/2020  | <input checked="" type="checkbox"/> | STEM - FB 092: GWB ilo Metal Panel Bench Front                 | \$(1,103)   | \$0      |           |            |          |         |               |
|         | 300.1109 | 6/9/2020  | <input checked="" type="checkbox"/> | STEM - FB 091: Add Door in Chem Prep                           | \$5,512     | \$0      |           |            |          |         |               |
|         | 300.1113 | 6/16/2020 | <input checked="" type="checkbox"/> | STEM - FB 080: Repair Waterproof at Existing Basement Option A | \$253,330   | \$0      |           |            |          |         |               |
| 300.064 | 300.1114 | 6/16/2020 | <input checked="" type="checkbox"/> | STEM - FB 088: VESDA System Main Electrical Admin              | \$29,764    | \$21,925 | Submitted | 06/29/2020 |          |         |               |
|         | 300.1116 | 6/23/2020 | <input checked="" type="checkbox"/> | STEM - FB 090 & 090R1: Mechanical Screen Wall                  | \$11,024    | \$0      |           |            |          |         |               |
|         | 300.1117 | 6/24/2020 | <input checked="" type="checkbox"/> | STEM - FB 094: Attic Stock Deletions                           | \$(3,835)   | \$0      |           |            |          |         |               |
|         | 300.1118 | 6/25/2020 | <input checked="" type="checkbox"/> | STEM - FB 089: Slab and Anchorage Existing Connector Option 2  | \$2,206     | \$0      |           |            |          |         |               |
|         | 300.1119 | 6/25/2020 | <input checked="" type="checkbox"/> | STEM - RFI 278: Basement Corridor/Tunnel Coordination          | \$16,536    | \$0      |           |            |          |         |               |
|         | 300.1120 | 6/30/2020 | <input checked="" type="checkbox"/> | STEM - FB 096: Tile Patterns & Layout                          | \$0         | \$0      |           |            |          |         |               |
|         | 300.1122 | 7/6/2020  | <input checked="" type="checkbox"/> | STEM - Swap Inner Layer of Cement Board to Gypsum              | \$0         | \$0      |           |            |          |         |               |
|         | 300.1123 | 7/6/2020  | <input checked="" type="checkbox"/> | STEM - FB 066: Stair Bench Cane Rail, Ramps, Risers, Imbeds    | \$0         | \$0      |           |            |          |         |               |

**Project # 1318014 Brookline High School**

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|         | 300.1124 | 7/6/2020  | <input checked="" type="checkbox"/> | STEM - FB 095: BDA UL Requirements  | \$0         |          |           |            |          | \$0     |               |
|         | 300.1125 | 7/6/2020  | <input checked="" type="checkbox"/> | STEM - FB 098: AVB at TWF Splice Only                                       | \$0         |          |           |            |          | \$0     |               |
|         | 300.1126 | 7/8/2020  | <input checked="" type="checkbox"/> | STEM - FB 093: VRL Machine Room Rating                                      | \$0         |          |           |            |          | \$0     |               |
|         | 300.1127 | 7/8/2020  | <input checked="" type="checkbox"/> | STEM - FB 097: 6in San Tie In to Existing Greenough                         | \$0         |          |           |            |          | \$0     |               |
|         | 310.1017 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 001 - Curtain Wall Pricing Set                    | \$0         |          |           |            |          | \$0     |               |
|         | 310.1020 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 004 - Structural Coordination                     | \$0         |          |           |            |          | \$0     |               |
|         | 310.1021 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 005 - Subs/Trades awarded prior to issuance       | \$0         |          |           |            |          | \$0     |               |
|         | 310.1022 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 005 - Remaining Procurement                       | \$0         |          |           |            |          | \$0     |               |
|         | 310.1030 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Masonry Mockups  | \$0         |          |           |            |          | \$0     |               |
|         | 310.1032 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Changes to CMP Requested by ToB DPW for Project C                | \$0         | \$0      |           |            |          | \$0     |               |
|         | 310.1033 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Scope revisions to precast concrete during design assist process | \$0         |          |           |            |          | \$0     |               |
|         | 310.1035 | 8/14/2019 | <input checked="" type="checkbox"/> | Enabling - Overtime - Changes in Scope                                      | \$0         |          |           |            |          | \$0     |               |
| 310.031 | 310.1039 | 8/19/2019 | <input checked="" type="checkbox"/> | Enabling - RFI #048: Additional Valves                                      | \$5,000     | \$0      | Void      | 01/06/2020 |          | \$0     |               |
|         | 310.1047 | 8/30/2019 | <input checked="" type="checkbox"/> | Enabling - RFI: #100: RTU Curb Relocation                                   | \$0         |          |           |            |          | \$0     |               |
|         | 310.1065 | 9/13/2019 | <input checked="" type="checkbox"/> | Enabling - Fire Door Hold Opens - Owner Request - See CE 310.1074           | \$0         |          |           |            |          | \$0     |               |
|         | 310.1070 | 9/17/2019 | <input checked="" type="checkbox"/> | Enabling - RFI #119: Relocation of Sanitary Vent at H&V                     | \$0         |          |           |            |          | \$0     |               |
|         | 310.1072 | 9/18/2019 | <input checked="" type="checkbox"/> | Enabling - RFI #117: Covered Walkway Lighting                               | \$0         | \$0      |           |            |          | \$0     |               |
|         | 310.1075 | 9/25/2019 | <input checked="" type="checkbox"/> | Enabling - RFI #118: Masonry Demolition at Connector - See CE 310.1106      | \$0         | \$0      |           |            |          | \$0     |               |

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|----|----|-----------|--------------|-------------------------------------|---|----------|-----------|---------|----------|---------|---------------|
|    |    | 310.1076  | 9/30/2019    | <input checked="" type="checkbox"/> | Enabling - RFI #127: H&V Unit Smoke Detector & Testing Requirement                | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1078  | 10/1/2019    | <input checked="" type="checkbox"/> | Enabling - RFI #112: Existing Attic Sprinklers                                    | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1084  | 10/2/2019    | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 019 - Connector Sawcut Demo - See CE 310.1075 (RFI 118) | \$0      |           |         |          | \$0     |               |
|    |    | 310.1088  | 10/10/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #122: Electrical Conduit at 2nd Floor Connector - See CE 310.1091  | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1089  | 10/13/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #130: Relocation of Interior Door at 3rd Floor Egress Stair        | \$2,205  | \$0       |         |          | \$0     |               |
|    |    | 310.1090  | 10/13/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #133: Soffit at Cafeteria Entrance                                 | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1091  | 10/14/2019   | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 021.1 - RFI 122   | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1092  | 10/18/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #062: Gas Booster Electrical Scope - Field Bulletin 003            | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1093  | 10/21/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #092: Waterproofing - Exterior Thickness                           | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1097  | 10/22/2019   | <input checked="" type="checkbox"/> | Enabling - Investigate Existing Kitchen Power                                     | \$1,102  | \$0       |         |          | \$0     |               |
|    |    | 310.1101  | 10/25/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #124: Unit Heater Relocation                                       | \$2,205  | \$0       |         |          | \$0     |               |
|    |    | 310.1102  | 10/25/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #104: Window at Connector - 3rd Floor                              | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1103  | 10/25/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #105: IMSA Fire Alarm Cable Designation                            | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1104  | 10/28/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #129: Fire Rating of Rooftop Dog House Duct                        | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1106  | 11/7/2019    | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 019 REV A - Masonry Connector                           | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1112  | 12/4/2019    | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 033 & 033R1 - Patch Concrete at Exist. Bldg Ceiling     | \$0      | \$0       |         |          | \$0     |               |
|    |    | 310.1115  | 12/23/2019   | <input checked="" type="checkbox"/> | Enabling - RFI #146: Weather Tight - Beam Pockets at Tunnel                       | \$2,206  | \$0       |         |          | \$0     |               |
|    |    | 310.1116  | 12/23/2019   | <input checked="" type="checkbox"/> | Enabling - Field Bulletin 046 - Beam Pocket Infill -                              | \$0      |           |         |          | \$0     |               |

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|---------|----------|------------|-------------------------------------|---|---------------|-----------|-----------|------------|----------|---------|---------------|
|         |          |            |                                     | Permanent Condition   |               |           |           |            |          |         |               |
|         | 310.1117 | 12/23/2019 | <input checked="" type="checkbox"/> | Enabling - RFI #159: Permanent Condition - Beam Pockets in Tunnel   | \$0           |           |           |            |          | \$0     |               |
|         | 310.1119 | 1/7/2020   | <input checked="" type="checkbox"/> | Enabling - Flett slips - To be allocated or rejected                | \$0           | \$0       |           |            |          | \$0     |               |
|         | 310.1131 | 2/19/2020  | <input checked="" type="checkbox"/> | Enabling - Allegheny Breakout from CE 310.1049 - Field Bulletin 010 | \$1,000       | \$0       |           |            |          | \$0     |               |
| 400.009 | 400.1001 | 7/29/2019  | <input checked="" type="checkbox"/> | MBTA - Delays Associated with MBTA License of Entry                 | \$11,023      | \$35,800  | Submitted | 03/10/2020 |          | \$0     |               |
| 400.025 | 400.1002 | 6/28/2019  | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin # 001                          | \$316,572     | \$205,708 | Submitted | 03/25/2020 |          | \$0     |               |
| 400.007 | 400.1003 | 7/13/2019  | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin # 002                          | \$38,109      | \$28,176  | Submitted | 03/20/2020 |          | \$0     |               |
|         | 400.1004 | 7/17/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #017: Electrical Service Cabinet Pad Rebar               | \$0           |           |           |            |          | \$0     |               |
|         | 400.1005 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - Platform Construction  | \$(2,762,740) | \$0       |           |            |          | \$0     |               |
|         | 400.1006 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #008: OCS Portal Coatings                                | \$0           |           |           |            |          | \$0     |               |
|         | 400.1008 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #011: Structural Steel Coating                           | \$0           |           |           |            |          | \$0     |               |
|         | 400.1009 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #012: OCS Portal Foundation Depth                        | \$0           |           |           |            |          | \$0     |               |
|         | 400.1010 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #014: Changes To Paint Finishes                          | \$0           |           |           |            |          | \$0     |               |
|         | 400.1011 | 8/13/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #022: FB 2 EDB 1c Routing                                | \$0           | \$0       |           |            |          | \$0     |               |
|         | 400.1013 | 8/15/2019  | <input checked="" type="checkbox"/> | MBTA - Track Replacement  | \$0           | \$0       |           |            |          | \$0     |               |
|         | 400.1014 | 8/15/2019  | <input checked="" type="checkbox"/> | MBTA - SMP Ammendment (Double Handling Soil)                        | \$0           |           |           |            |          | \$0     |               |
|         | 400.1015 | 8/15/2019  | <input checked="" type="checkbox"/> | MBTA - Add 4th OCS Portal   | \$0           |           |           |            |          | \$0     |               |
|         | 400.1016 | 9/19/2019  | <input checked="" type="checkbox"/> | MBTA - RFI #017: Electric Service Cabinet Pad Rebar                 | \$0           |           |           |            |          | \$0     |               |
|         | 400.1017 | 9/19/2019  | <input checked="" type="checkbox"/> | MBTA - Delays Associated with State Building Permit                 | \$20,000      | \$0       |           |            |          | \$0     |               |
|         | 400.1018 | 9/19/2019  | <input checked="" type="checkbox"/> | MBTA - Furnish OCS Cable Protection for MBTA                        | \$110,234     | \$0       |           |            |          | \$0     |               |

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|------------------------|----------|------------|-------------------------------------|--|-------------|-----------|-----------|------------|----------|---------|---------------|
| Work Install by Others |          |            |                                     |  |             |           |           |            |          |         |               |
| 400.019                | 400.1021 | 9/30/2019  | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin # 004 Relocated Pay Station and AFC Hut | \$0         | \$24,661  | Submitted | 03/19/2020 |          | \$0     |               |
| 400.011                | 400.1022 | 9/30/2019  | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin # 005                                   | \$11,023    | \$14,520  | Submitted | 03/12/2020 |          | \$0     |               |
| 400.012                | 400.1026 | 10/10/2019 | <input checked="" type="checkbox"/> | MBTA - RFI #037: Pay Meter Foundation Revisions                              | \$2,756     | \$8,700   | Submitted | 03/12/2020 |          | \$0     |               |
| 400.013                | 400.1027 | 10/10/2019 | <input checked="" type="checkbox"/> | MBTA - RFI #038: Fare Vending Slab Revisions                                 | \$5,512     | \$967     | Submitted | 03/13/2020 |          | \$0     |               |
| 400.022                | 400.1029 | 10/17/2019 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling FB 05.5 - Revised Parking Pay Meter Ductbank Routing   | \$16,333    | \$11,203  | Submitted | 03/19/2020 |          | \$0     |               |
| 400.020                | 400.1030 | 10/21/2019 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin 005.6 - ToB Meter Cabinet Power         | \$10,888    | \$16,529  | Submitted | 03/19/2020 |          | \$0     |               |
| 400.032                | 400.1032 | 10/24/2019 | <input checked="" type="checkbox"/> | MBTA - Furnish & Install Line Protection not Completed by MBTA               | \$10,888    | \$7,424   | Submitted |            |          | \$0     |               |
| 400.024                | 400.1033 | 10/25/2019 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin 007 - Added OSC Portal                  | \$250,433   | \$308,706 | Submitted | 03/23/2020 |          | \$0     |               |
| 400.016                | 400.1034 | 10/25/2019 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin 006 - Sliding MBTA Gate                 | \$11,279    | \$4,566   | Submitted | 03/13/2020 |          | \$0     |               |
| 400.015                | 400.1038 | 11/11/2019 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Field Bulletin 010 - Fare Collection Hut Foundation    | \$5,512     | \$9,260   | Submitted | 03/13/2020 |          | \$0     |               |
|                        | 400.1039 | 10/2/2019  | <input checked="" type="checkbox"/> | MBTA - Furnish Temporary Line Protection 9/20/19                             | \$18,740    | \$0       |           |            |          | \$0     |               |
| 400.014                | 400.1042 | 2/11/2020  | <input checked="" type="checkbox"/> | Widen Crossing Replaced by Barletta  | \$0         | \$8,184   | Submitted | 03/16/2020 |          | \$0     |               |
|                        | 400.1043 | 2/11/2020  | <input checked="" type="checkbox"/> | MBTA - Field Bulletin 013 Portal Foundation Redesign                         | \$204,207   | \$0       |           |            |          | \$0     |               |
| 400.017                | 400.1044 | 2/11/2020  | <input checked="" type="checkbox"/> | MBTA - West Walkway & Platform Improvements                                  | \$21,777    | \$29,587  | Submitted | 03/16/2020 |          | \$0     |               |
| 400.021                | 400.1045 | 2/11/2020  | <input checked="" type="checkbox"/> | MBTA - Temporary AFC Connections (Comm & Elec)                               | \$16,333    | \$17,602  | Submitted | 03/19/2020 |          | \$0     |               |
| 400.018                | 400.1046 | 2/11/2020  | <input checked="" type="checkbox"/> | MBTA OCS & Enabling - Service Conduit Work at Pole #144                      | \$11,023    | \$5,663   | Submitted | 03/18/2020 |          | \$0     |               |
| 400.008                | 400.1048 | 2/11/2020  | <input checked="" type="checkbox"/> | MBTA - Temporary Lights along ROW  | \$27,559    | \$24,615  | Submitted | 03/13/2020 |          | \$0     |               |

**Project # 1318014 Brookline High School**

**Change Summary**  - Shading identifies CE budget allocation

| AR      | CE       | Initiated | Out of Scope                        | Description  | Approximate | Proposed | AR Status | AR Sent    | Approved | PCCO No | Executed Date |
|---------|----------|-----------|-------------------------------------|--|-------------|----------|-----------|------------|----------|---------|---------------|
|         | 400.1049 | 2/11/2020 | <input checked="" type="checkbox"/> | MBTA - FB 011 - Permit Set Revisions                                       | \$99,211    | \$0      |           |            | \$0      |         |               |
| 400.010 | 400.1050 | 2/11/2020 | <input checked="" type="checkbox"/> | MBTA - Provide Temporary Power to Platform Lighting and Bungalows          | \$30,047    | \$32,541 | Submitted | 03/19/2020 | \$0      |         |               |
|         | 400.1051 | 2/11/2020 | <input checked="" type="checkbox"/> | MBTA - Remaining Line Protection   | \$143,303   | \$0      |           |            | \$0      |         |               |
| 400.027 | 400.1052 | 3/11/2020 | <input checked="" type="checkbox"/> | Relocate Temporary Lights at Closed Platform to New Portals                | \$2,178     | \$3,120  | Submitted | 04/08/2020 | \$0      |         |               |
| 400.026 | 400.1054 | 3/13/2020 | <input checked="" type="checkbox"/> | MBTA - OCS Eversource - Town of Brookline Meter Location Delay             | \$7,912     | \$7,853  | Submitted | 04/08/2020 | \$0      |         |               |
|         | 400.1055 | 3/18/2020 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Feeder Fire  | \$(10,000)  | \$0      |           |            | \$0      |         |               |
| 400.029 | 400.1057 | 3/26/2020 | <input checked="" type="checkbox"/> | MBTA - OCS & Enabling Grounding MBTA Bungalows                             | \$8,166     | \$5,352  | Submitted | 04/24/2020 | \$0      |         |               |
|         | 400.1058 | 3/31/2020 | <input checked="" type="checkbox"/> | De-mobilize MBTA Trailer   | \$3,811     | \$0      |           |            | \$0      |         |               |
| 400.028 | 400.1059 | 4/9/2020  | <input checked="" type="checkbox"/> | MBTA OCS & Enabling - Snow Removal Above Allowance 2019-2020 Winter        | \$1,796     | \$1,793  | Submitted | 04/09/2020 | \$0      |         |               |
|         | 400.1060 | 5/6/2020  | <input checked="" type="checkbox"/> | MBTA & Enabling - FB 017 Signage Revisions                                 | \$0         | \$0      |           |            | \$0      |         |               |
|         | 400.1061 | 5/6/2020  | <input checked="" type="checkbox"/> | MBTA & Enabling - FB 018 RFI 059 South East Ramp Layout                    | \$0         | \$0      |           |            | \$0      |         |               |
|         | 400.1062 | 5/6/2020  | <input checked="" type="checkbox"/> | MBTA & Enabling - FB 019 Helical Pile Revisions                            | \$33,070    | \$0      |           |            | \$0      |         |               |
|         | 400.1063 | 6/1/2020  | <input checked="" type="checkbox"/> | OCS & Enabling Duct Bank Impacts   | \$0         | \$0      |           |            | \$0      |         |               |
|         | 400.1065 | 6/9/2020  | <input checked="" type="checkbox"/> | MBTA - FB 020 - RFI 064 Helical Pile Potential Obstructions                | \$0         | \$0      |           |            | \$0      |         |               |
| 400.031 | 400.1066 | 6/17/2020 | <input checked="" type="checkbox"/> | Station: Provide Canopy Shop Splice & MBTA Coatings in Excess of Allowance | \$30,772    | \$30,750 | Open      |            | \$0      |         |               |
| 500.001 | 500.1002 | 2/25/2020 | <input checked="" type="checkbox"/> | DEF MAINT - FB 057, 078 and 078R1: Elevator Modernization Updates          | \$(6,570)   | \$65,873 | Submitted | 06/26/2020 | \$0      |         |               |
|         | 500.1004 | 7/6/2020  | <input checked="" type="checkbox"/> | DEF MAINT - FB 0100: Replace Elevator Jack at Elev 2                       | \$0         | \$0      |           |            | \$0      |         |               |

|   |                    |                    |            |
|---|--------------------|--------------------|------------|
| <b>Project Totals for 1318014 - Brookline High School :</b> | <b>\$2,600,887</b> | <b>\$2,017,504</b> | <b>\$0</b> |
|---|--------------------|--------------------|------------|



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT J: APPROVED PRIME CONTRACT CHANGE ORDERS**



Date: 12/12/2019

## Prime Contract Change Order Number 001

Brookline High School

Project # 1318014

Skanska USA Building Inc.

To Contractor:  
Skanska USA Building Inc.

Architect's Project No:  
Contract Date: 7/24/2018  
Contract Number: 1318014

### The Contract is hereby revised by the following items:

Approved Authorization Requests 12/12/19

| AR      | CE       | Description  |    | Amount    |
|---------|----------|--|----|-----------|
| 310.004 | 310.1002 | Enabling - RFI #049: Delete Fire Department Connection Bypass  | \$ | 0.00      |
| 310.005 | 310.1004 | Enabling - RFI #054: FDC Location  | \$ | 0.00      |
| 310.012 | 310.1009 | Enabling - RFI #066: Existing Fire Alarm Devices in Tunnel   | \$ | 2,248.00  |
| 310.009 | 310.1010 | Enabling - RFI #067: Unforeseen Electrical Conditions - Wiring   | \$ | 7,234.00  |
| 310.010 | 310.1023 | Enabling - Field Bulletin 006 - RFI 058, 063, 067 - See CE # 310: 1006 (RFI 058), 1007 (RFI 063), & 1010 (RFI 067) | \$ | 0.00      |
| 310.002 | 310.1025 | Enabling - Field Bulletin 006.2 - Add'l Isolation Valves   | \$ | 3,434.00  |
| 310.006 | 310.1079 | Enabling - Field Bulletin 017 - RFI 112 Existing Attic Sprinkler Removal   | \$ | 5,296.00  |
| 200.001 | 200.1024 | CYPRESS - Purchase Line Hose for MBTA  | \$ | 44,979.00 |
| 400.003 | 400.1025 | MBTA - Replenish Line Protection Provided by MBTA  | \$ | 10,725.00 |
| 400.002 | 400.1036 | MBTA - Office Trailer Deliver and Rent   | \$ | 8,396.00  |
| 200.002 | 200.1046 | CYPRESS - Field Bulletin 023 - Water Utility Spec Updates  | \$ | 5,969.00  |

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached





Date: 1/9/2020

### Prime Contract Change Order Number 002

Brookline High School

Project # 1318014

Skanska USA Building Inc.

To Contractor:  
Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

Approved Authorization Requests 01/09/20

| AR      | CE       | Description  |              | Amount              |
|---------|----------|--|--------------|---------------------|
| 310.011 | 310.1005 | Enabling - RFI #056: Existing Sanitary Line Discovery  | \$           | 4,542.00            |
| 310.007 | 310.1006 | Enabling - RFI #058: Roof Drain Conflict   | \$           | 10,805.00           |
| 310.014 | 310.1008 | Enabling - RFI #064: Plaster Ceiling Discovery & Unistrut  | \$           | 20,879.00           |
| 310.020 | 310.1016 | Enabling - RFI #075: Unistrut Lateral Bracing  | \$           | 7,467.00            |
| 310.017 | 310.1024 | Enabling - Field Bulletin 006.1 - RFIs: 049, 054, 064, & 082 - See CE # 310: 1002 (RFI 049) , 1004 (RFI 054), 1008 (RFI 064), & 1015 (RFI 082) | \$           | 0.00                |
| 310.013 | 310.1038 | Enabling - Frontline - T&M contract  | \$           | 0.00                |
| 310.015 | 310.1085 | Enabling - Allegheny T&M Contract  | (\$          | 6,240.00)           |
|         |          |  | <b>TOTAL</b> | <b>\$ 37,453.00</b> |

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached



Date: 2/6/2020

**Prime Contract Change Order Number 003**

Brookline High School

Project # 1318014

Skanska USA Building Inc.

**To Contractor:**

Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

Approved Authorization Requests 02/06/20

| AR      | CE       | Description  |              | Amount              |
|---------|----------|--|--------------|---------------------|
| 310.024 | 310.1014 | Enabling - RFI #074: Roberts Wing Demolition Limits / Investigative Work                       | \$           | 5,097.00            |
| 310.018 | 310.1028 | Enabling - Field Bulletin 008 & 008.1 - Counter in Cafeteria                                   | \$           | 14,406.00           |
| 310.025 | 310.1034 | Enabling - Overtime - Expedite/Accelerate Week Ending 7/13                                     | \$           | 0.00                |
| 310.039 | 310.1040 | Enabling - RFI #077: Lintel Sizing - Crawl Space   | -\$          | 706.00              |
| 310.028 | 310.1042 | Enabling - Evacuation Maps   | \$           | 995.00              |
| 310.026 | 310.1046 | Enabling - Field Bulletin 009 - RTU Curb Relocation  | \$           | 18,942.00           |
| 310.034 | 310.1051 | Enabling - Overtime - Expedite/Accelerate Week Ending 8/3                                      | \$           | 0.00                |
| 310.037 | 310.1056 | Enabling - Safe Relocation   | \$           | 1,455.00            |
| 310.022 | 310.1067 | Enabling - RFI #115: Exterior Lighting Not Working   | \$           | 746.00              |
| 310.036 | 310.1071 | Enabling - Field Bulletin 013 - Relocate Existing Vent at RTU                                  | \$           | 5,905.00            |
| 310.048 | 310.1073 | Enabling - Field Bulletin 014 - Add'l Lights at Covered Walkways                               | \$           | 7,464.00            |
| 400.006 | 400.1020 | MBTA - OCS & Enabling Field Bulletin # 003   | \$           | 0.00                |
| 310.042 | 310.1074 | Enabling - ToB Request - Investigate Clock & Fire Alarm Issues                                 | \$           | 1,213.00            |
| 400.004 | 400.1024 | MBTA - Furnish Temporary Line Protection 9/20/19   | \$           | 17,892.00           |
| 310.047 | 310.1081 | Enabling - Field Bulletin 020 - Gooseneck Duct Extension                                       | \$           | 4,274.00            |
| 310.021 | 310.1082 | Enabling - RFI #123: Thermostat Questions  | \$           | 1,901.00            |
| 310.023 | 310.1083 | Enabling - Field Bulletin 021 - RFI 115 & 123 - See CE 310.1067 (RFI 115) & 310.1082 (RFI 123) | \$           | 0.00                |
| 310.045 | 310.1094 | Enabling - Door Controller/Operator Cut  | \$           | 523.00              |
| 310.043 | 310.1095 | Enabling - RFI #093: Tel/Data Aerial Connection  | -\$          | 16,684.00           |
| 200.003 | 200.5011 | CYPRESS - Owner Allowance - BP#05A - SOE Obstruction Allowance                                 | \$           | 0.00                |
| 200.004 | 200.5012 | CYPRESS - Owner Allowance - BP#05A - Elimination of Tie Backs Under MBTA Tracks                | \$           | 0.00                |
| 310.033 | 310.1121 | Enabling - Griffin OT - Contingency/Acceleration   | \$           | 0.00                |
| 400.005 | 400.1041 | MBTA - Replenish Line Protection Provided by MBTA II   | \$           | 1,570.00            |
|         |          |  | <b>TOTAL</b> | <b>\$ 64,993.00</b> |

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached



## Prime Contract Change Order Number 004

Date: 4/8/2020

Brookline High School

Project # 1318014

Skanska USA Building Inc.

**To Contractor:**

Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

Approved Authorization Requests 04/08/20

| AR      | CE       | Description  |              | Amount              |
|---------|----------|--|--------------|---------------------|
| 310.065 | 310.5000 | Enabling - Owner Allowance - Concrete - Fdn for temp stair   | -\$          | 8,815.00            |
| 310.052 | 310.1001 | Enabling - RFI #002.1: Foundations for the Urns  | \$           | 5,038.00            |
| 310.050 | 310.1003 | Enabling - RFI #052: New Pipe Chase / Addtl Structural Support   | -\$          | 15,852.00           |
| 310.008 | 310.1007 | Enabling - RFI #063: Existing Fire Alarm Panel   | \$           | 42,188.00           |
| 310.049 | 310.1011 | Enabling - RFI #069: Unforeseen Electrical Conditions Wiring   | \$           | 34,979.00           |
| 310.016 | 310.1015 | Enabling - RFI #082: Level 3 Beams Elimination   | \$           | 940.00              |
| 310.001 | 310.1019 | Enabling - Field Bulletin 003 - Gas Booster Deletion   | -\$          | 17,476.00           |
| 310.053 | 310.1026 | Enabling - Field Bulletin 006.3 - RFIs: 066, 067, 069, 074, 075, 076, & 081 - See CE # 310: 1009 (RFI (66), 1010 (RFI 067), 1011 (RFI 069), 1014 (RFI 074), 1016 (RFI 075), 1036 (RFI 076), & 1037 (RFI 081) | \$           | 0.00                |
| 310.027 | 310.1029 | Enabling - RFI #059: Changes made to temp. egress stair  | \$           | 11,244.00           |
| 310.081 | 310.1036 | Enabling - RFI #076: MC Cable from Level 1 to 2  | \$           | 0.00                |
| 310.082 | 310.1037 | Enabling - RFI #081: HWR Reroute Levels 1 - 2  | \$           | 666.00              |
| 310.067 | 310.5001 | Enabling - Owner Allowance - Concrete - foundation for temp handicap ramp  | -\$          | 9,201.00            |
| 310.085 | 310.6002 | Enabling - Exposure Hold - Concrete - Temp. support of crawl space walls   | \$           | 0.00                |
| 310.080 | 310.5003 | Enabling - Owner Allowance - Drywall - Patching  | -\$          | 28,023.00           |
| 310.087 | 310.5004 | Enabling - Owner Allowance - Drywall - New ACT & Grid  | -\$          | 8,444.00            |
| 310.078 | 310.6009 | Enabling - Exposure Hold - Flooring - Minor Floor Prep   | \$           | 0.00                |
| 310.079 | 310.5005 | Enabling - Owner Allowance - Painting - Paint drywall patches  | -\$          | 15,012.00           |
| 310.086 | 310.5007 | Enabling - Owner Allowance - Sitework - E&B at temp handicap ramp foundation   | -\$          | 9,021.00            |
| 310.032 | 310.1049 | Enabling - Field Bulletin 010 - Temp. Stair Fire Separation  | \$           | 6,467.00            |
| 310.041 | 310.1052 | Enabling - Overtime - Expedite/Accelerate Week Ending 8/10   | \$           | 0.00                |
| 310.059 | 310.1054 | Enabling - Overtime - Expedite/Accelerate Week Ending 8/24   | \$           | 0.00                |
| 310.060 | 310.1055 | Enabling - Overtime - Expedite/Accelerate Week Ending 8/31   | \$           | 0.00                |
| 310.063 | 310.1057 | Enabling - Field Bulletin 011 - Existing Foundation Wall Crack   | \$           | 2,568.00            |
| 310.035 | 310.1058 | Enabling - Field Bulletin 012 - Temp. Enclosure at Covered Walkway   | \$           | 22,893.00           |
| 310.061 | 310.1061 | Enabling - CMP Revisions at 111 Cypress  | \$           | 4,119.00            |
| 310.056 | 310.1068 | Enabling - Temp. Handrail Modification   | \$           | 0.00                |
| 310.075 | 310.1077 | Enabling - Field Bulletin 015 - Fire Alarm Duct Smoke Detector / ZAM Module  | \$           | 8,033.00            |
| 310.044 | 310.1080 | Enabling - Field Bulletin 018 - Added Power at Trap Primer   | \$           | 872.00              |
| 310.054 | 310.1096 | Enabling - Reconnect CUH & Elevator power due to sawcut  | \$           | 6,241.00            |
| 310.055 | 310.1098 | Enabling - Fire Protection Dry Valve Test - Overtime   | \$           | 0.00                |
| 310.030 | 310.1100 | Enabling - Teachers Room   | \$           | 1,572.00            |
| 310.077 | 310.1111 | Enabling - Field Bulletin 030 - Relocate DP Sensor   | \$           | 0.00                |
| 310.070 | 310.1114 | Enabling - GPRS in Basement  | \$           | 801.00              |
| 310.076 | 310.1118 | Enabling - RFI #160 - Enabling Tree Protection   | \$           | 6,206.00            |
| 310.057 | 310.1120 | Enabling - Build Dummy Walls - Levels 1 & 2  | \$           | 0.00                |
| 310.058 | 310.1122 | Enabling - Sitework Final Clean  | \$           | 0.00                |
| 310.091 | 310.1125 | Enabling - Griffin Breakout for CE 310.1003 - RFI #052: New Pipe Chase   | \$           | 0.00                |
| 310.066 | 310.1126 | Enabling - Overtime - Expedite/Accelerate Week Ending 6/30   | \$           | 0.00                |
| 310.083 | 310.1127 | Enabling - Modifications made to the temp stair during sitewalk  | \$           | 2,154.00            |
| 310.088 | 310.1132 | Enabling - Parapet Cut for Demolition  | \$           | 841.00              |
|         |          |  | <b>TOTAL</b> | <b>\$ 45,978.00</b> |

Neither the Contract Price (or eventually the GMP) nor the Contract Time (or eventually the project schedule) upon which said Contract Price (and eventual GMP) is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by Coronavirus.

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached



**Prime Contract Change Order Number 005**

Date: 4/29/2020

Brookline High School

Project # 1318014

Skanska USA Building Inc.

**To Contractor:**

Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

Approved Authorization Requests 04/29/20

| AR      | CE       | Description   |              | Amount               |
|---------|----------|---|--------------|----------------------|
| 310.092 | 310.1013 | Enabling - Brokk at Crawl Space Wall                                | \$           | 38,357.00            |
| 310.051 | 310.1018 | Enabling - Field Bulletin 002 - Misc. Submittal & RFI Conformance   | \$           | 127,815.00           |
| 310.062 | 310.5002 | Enabling - Owner Allowance - Masonry - Mockup Masonry Sample Boards | -\$          | 9,679.00             |
| 300.004 | 300.1007 | STEM - Precast Scope Revisions During Design Assist                 | \$           | 9,121.00             |
| 200.006 | 200.1009 | CYPRESS - Field Bulletin 001 - Landscape Demo Plan                  | \$           | 0.00                 |
| 200.007 | 200.1010 | CYPRESS - Field Bulletin 002 - Updated SMP Boundary                 | \$           | 0.00                 |
| 200.008 | 200.1011 | CYPRESS - Field Bulletin 003 - Curtainwall Updates                  | \$           | 0.00                 |
| 200.009 | 200.1012 | CYPRESS - Field Bulletin 004 - Plaza Updates                        | \$           | 0.00                 |
| 200.010 | 200.1014 | CYPRESS - Field Bulletin 006 - Misc. Concrete and Steel Revisions   | \$           | 0.00                 |
| 200.011 | 200.1015 | CYPRESS - Field Bulletin 007 - Acoustic Deck and Beam Penetrations  | \$           | 0.00                 |
| 200.012 | 200.1016 | CYPRESS - Field Bulletin 008 - AREMA Updates                        | \$           | 0.00                 |
| 310.071 | 310.1113 | Enabling - McPhail Over Excavation                                  | \$           | 13,537.00            |
| 200.013 | 200.1065 | CYPRESS - Field Bulletin 049 - Spec Section 260750                  | \$           | 0.00                 |
| 400.023 | 400.1047 | MBTA - MBTA Trailer Set Up  | \$           | 7,800.00             |
| 310.073 | 310.1128 | Enabling - Electrical Breakout of Field Bulletin 002                | \$           | 31,532.00            |
| 300.006 | 300.1071 | STEM - FB 064: HHW Controls and Sequence                            | \$           | 0.00                 |
|         |          |   | <b>TOTAL</b> | <b>\$ 218,483.00</b> |

Neither the Contract Price (or eventually the GMP) nor the Contract Time (or eventually the project schedule) upon which said Contract Price (and eventual GMP) is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by Coronavirus.

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached



Date: 6/3/2020

**Prime Contract Change Order Number 006**

Brookline High School

Project # 1318014

Skanska USA Building Inc.

To Contractor:  
Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

PCCO 6 Approved Authorization Requests 05/29/20

| AR      | CE       | Description   |     | Amount |
|---------|----------|---|-----|--------|
| 310.084 | 310.5006 | Enabling - Owner Allowance - Sitework - E&B at temp stair foundation            | -\$ | 8,012  |
| 310.029 | 310.1043 | Enabling - RFI #089 Temporary Wall - Basement                                   | \$  | 0      |
| 310.046 | 310.1066 | Enabling - RFI #114: Wiring for Old Cabinet Unit Heaters                        | \$  | 3,751  |
| 200.031 | 200.1017 | CYPRESS - Field Bulletin 008A - Steel Brick Support Revisions                   | \$  | 0      |
| 300.010 | 300.1010 | STEM - FB 001 - Curtainwall Pricing Set   | \$  | 0      |
| 200.005 | 200.1027 | CYPRESS - Survey MBTA Track Replacement   | \$  | 4,780  |
| 200.032 | 200.1028 | CYPRESS - Field Bulletin 010 - Structural Steel Detail Revisions                | \$  | 0      |
| 300.015 | 300.1017 | STEM - FB 025 - Foundation Wall Coordination                                    | \$  | 0      |
| 300.011 | 300.1020 | STEM - FB 027 - Elevator Furring and Hall Buttons                               | \$  | 0      |
| 300.017 | 300.1022 | STEM - FB 029 - Window Shade Reduction  | -\$ | 2,537  |
| 310.094 | 310.1108 | Enabling - RFI #085: Direct Bury Trench - Reroute                               | \$  | 14,914 |
| 300.018 | 300.1024 | STEM - FB 042 - Stair 3 Dimensional Adjustment                                  | \$  | 0      |
| 300.019 | 300.1025 | STEM - FB 045 - Stair 4 and 5 Dimensional Adjustment                            | \$  | 0      |
| 300.023 | 300.1029 | STEM - FB 052 - P1 and F49 Conflict with Existing Tunnel RFI 164                | \$  | 16,436 |
| 300.024 | 300.1031 | STEM - FB 043 - Sloped Walk Revisions   | \$  | 0      |
| 300.025 | 300.1033 | STEM - FB 041 & 041R1 - Repair Leaking Storm Line in Existing Building          | \$  | 20,393 |
| 300.021 | 300.1034 | STEM - FB 046 - Beam Pocket Infill Permanent Condition                          | \$  | 0      |
| 200.035 | 200.1049 | CYPRESS - Field Bulletin 022 - OCS Insert Layout Revisions                      | \$  | 0      |
| 310.074 | 310.1123 | Enabling - Clean Exposed Trench   | \$  | 0      |
| 300.022 | 300.1038 | STEM - Premium Time 01/11/2020 and 01/18/2020                                   | \$  | 0      |
| 300.014 | 300.1041 | STEM - FB 005.5 - AV Specification and Drawings Update                          | \$  | 0      |
| 200.026 | 200.1064 | CYPRESS - Field Bulletin 040R1 - Shaft Dimensional Adjustment                   | \$  | 0      |
| 310.090 | 310.1124 | Enabling - Siemens Troubleshooting  | \$  | 0      |
| 200.027 | 200.1071 | CYPRESS - Field Bulletin 040R2 - Shaft Dimensional Adjustment                   | \$  | 3,181  |
| 200.022 | 200.5022 | CYPRESS - Owners Allowance - BP#01 - Grouting of Precast Plank and Voided Slabs | \$  | 0      |
| 200.023 | 200.6066 | CYPRESS - EH - BP#01 - Provide Embed Plates for Safety Stanchions               | \$  | 0      |
| 300.026 | 300.1062 | STEM - FB 053: Revise Lab Faucet Type   | \$  | 3,341  |
| 300.027 | 300.1063 | STEM - FB 050: Details Around Interior Aluminum Frames                          | \$  | 1,417  |
| 300.009 | 300.1066 | STEM - RFI 222: Unistrut Rack in Mechanical Trench                              | \$  | 6,136  |
| 300.028 | 300.1072 | STEM - FB 068: Modify Matt Foundation for Existing Sanitary Line                | \$  | 2,452  |
| 200.028 | 200.1106 | CYPRESS - Field Bulletin 069.1 - AHU 8 Revisions - Plumbing Coordination        | \$  | 362    |
| 200.030 | 200.1127 | CYPRESS - Field Bulletin 075 - Physics Classroom Faucet Revisions               | \$  | 0      |
| 310.095 | 310.1136 | Enabling - Observation #148 - Seal ductwork insulation at doghouse              | \$  | 0      |
| 300.029 | 300.1082 | STEM - FB 077: Device Coordination  | \$  | 0      |
| 300.030 | 300.1083 | STEM - RFI 245: Soil Classification around Building Footprint                   | \$  | 4,079  |
| 310.096 | 310.1138 | Enabling - Allegheny - Material Only for CO 003/slip #23980                     | \$  | 1,128  |
|         |          |   | \$  | 71,821 |

Neither the Contract Price (or eventually the GMP) nor the Contract Time (or eventually the project schedule) upon which which said Contract Price (and eventual GMP) is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by Coronavirus.

For Approval, Refer to Pre-GMP Amendment and Associated AIA G701 with Town of Brookline Signature Page Attached



Town of Brookline

## Brookline High School Expansion Project | Project A and B

### EXHIBIT K: DIVISION 01 SPECIFICATION MODIFICATIONS

1. Refer to attached document redlined and prepared by Hill International for agreed upon modifications to the Division 01 specifications for both the Project C – STEM Wing Addition (“Stem”) and Project A – Cypress Building (“Cypress”) projects, based on a collaborative review and agreement by Hill, Skanska and WRA.
2. The agreed upon modifications to the Division 01 Specifications are based on the Project C – STEM Wing Addition Early Package # 2 specification book as modified and issued with Revision: FB-005 – GMP Bid Set – August 1, 2019.
3. The agreed upon modifications assumed that the Division 01 Specifications for Project C – STEM Wing Addition GMP Bid Set are identical to the Division 01 Specifications for Project A – Cypress Building Field Bulletin # 9 – GMP Bid Set. In the case there are discrepancies between the two, the Project C – STEM wing specifications shall prevail.
4. If the Division 01 Specifications require better quality or greater quantity, the Owner-CM Agreement shall take precedence unless expressly agreed to by the Parties.

SECTION 011100  
SUMMARY OF WORK

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. This Section includes the following:
  - 1. Work covered by the Contract Documents
  - 2. Contract Method
  - 3. Contract Conditions
  - 4. Work under other contracts
  - 5. Work Sequence
  - 6. Owner-furnished products
  - 7. Construction Manager use of premises
  - 8. Permits, inspection and testing required by Governing Authorities
  - 9. Specification formats and conventions.
  - 10. Reference standards.
  - 11. Miscellaneous Provisions.

1.3 WORK UNDER THIS CONTRACT

- A. Project Identification: Brookline High School Expansion - Project B Tappan, Stem, Third Floor, Tappan Streetscape, Deferred Maintenance.
- B. Project Location: 111 Cypress Street, Brookline, MA 02445.
- C. Owner: Town of Brookline.
- D. Architect-of-Record: William Rawn Associates Architects, Inc., 10 Post Office Square, Suite 1010, Boston, MA 02109.

1.4 CONTRACT METHOD:

- A. Project will be constructed under a single prime contract. This Contract shall be Construction Manager at Risk, bid as required by Public Bid Laws.

1.5 CONTRACT CONDITIONS

- A. This Contract is subject to applicable State and local laws and all amendments thereto. Where any requirements contained herein do not conform to statutes governing the Work of this Contract, the statutes shall govern.
- B. This Project will be constructed for a political subdivision of the Commonwealth of Massachusetts, and is therefore exempt from State Sales and Use Tax. All bids shall be prepared and purchase of materials for the Project made on the basis of such exemption. After execution of the Contract, the Owner will furnish the Construction Manager with the exemption number to be used.
- C. The provisions of the Federal Occupational Safety and Health Act (OSHA) apply to the execution of the Work of this Contract, in addition to all other laws, ordinances, rules, regulations, and orders of any Federal, State, or local public authority bearing on the performance of the Work.

This does not mean no tax is paid. Even under tax exempt status, certain items are still taxable per the department of revenue guidance.

- D. **Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and the Contract shall be read and enforced as though it were included herein, and if, through mistake or otherwise, any such provision is not inserted, or is not correctly inserted, then upon application of either part the Contract shall forthwith be physically amended to make such insertion or correction.**

Exclude this paragraph. Article 5.12.1 of Owner CM Agreement states that CM is not required to ascertain this, only to notify if variances are made known to the CM.

1.6 WORK UNDER OTHER CONTRACTS

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.

1.7 WORK SEQUENCE

- A. General: The Construction Manager's attention is directed toward the critical activities and limitations listed in this Article to highlight unusual conditions present in this Project.
  - 1. The Construction Manager shall be responsible for scheduling the Work accordingly, and in conformance with requirements of all other specifications for the Project.
  - 2. Sequencing requirements shall be clearly identified on all construction schedules required under Section 013200 - Construction Progress Documentation.
  - 3. General Sequence of Work:
    - a. Hazardous Material Procedures.
    - b. Site Enabling.
    - c. Demolition.
    - d. New Construction.
    - e. Sitework and Utilities.



- B. Owner Responsibility: Prior to commencement of construction at the site, the Owner will move all loose furnishings out of existing buildings. *Owner did not do this*
- C. Critical Activities: Each of the following critical activities must be completed prior to other construction activities as indicated:
  - 1. As determined by CM.

#### 1.8 OWNER-FURNISHED PRODUCTS

- A. Owner will furnish products indicated. The Work includes providing support systems to receive Owner's equipment and making plumbing, mechanical, and electrical connections.
  - 1. Owner will arrange for and deliver Shop Drawings, Product Data, and Samples to Construction Manager.
  - 2. Owner will arrange and pay for delivery of Owner-furnished items according to Construction Manager's Construction Schedule.
  - 3. After delivery, Owner will inspect delivered items for damage. Construction Manager shall be present for and assist in Owner's inspection.
  - 4. If Owner-furnished items are damaged, defective, or missing, Owner will arrange for replacement.
  - 5. Owner will arrange for manufacturer's field services and for delivery of manufacturer's warranties to Construction Manager.
  - 6. Owner will furnish Construction Manager the earliest possible delivery date for Owner-furnished products. Using Owner-furnished earliest possible delivery dates, Construction Manager shall designate delivery dates of Owner-furnished items in Construction Manager's Construction Schedule.
  - 7. Construction Manager shall review Shop Drawings, Product Data, and Samples and return them to Architect noting discrepancies or anticipated problems in use of product.
  - 8. Construction Manager is responsible for receiving, unloading, and handling Owner-furnished items at Project site.
  - 9. Construction Manager is responsible for protecting Owner-furnished items from damage during storage and handling, including damage from exposure to the elements.
  - 10. If Owner-furnished items are damaged as a result of Construction Manager's operations, Construction Manager shall repair or replace them.
  - 11. Construction Manager shall install and otherwise incorporate Owner-furnished items into the Work.
- B. Note that items labeled "N.I.C." on the Drawings will be furnished and installed by the Owner under a separate contract after the completion of the Work.
- C. Refer to demolition drawings and specifications for existing Owner products to be salvaged, stored, and reinstalled.

Exclude  
items 7 to  
11

#### 1.9 CONSTRUCTION MANAGER USE OF PREMISES

- A. General: Construction Manager shall have full use of premises for construction operations, including use of Project site, during construction period.
  - 1. Confine operations at the site to areas permitted by laws, by-laws, permits and contract

- limit lines.
2. Do not unreasonably encumber the site with materials or equipment.
  3. Coordinate with Owner and Architect work in connection with adjacent occupied buildings or areas, driveways, walks, and other facilities which would prevent access thereto or interrupt, restrict, or otherwise infringe upon use thereof.
- B. On-Site Work Hours: Refer to Section 005000 Construction Manager's Exhibit B0 – General Project Requirements, Section 2 - Work Hours. All requests for extension of Work Hours must Comply with Town of Brookline By-laws which allow for work between the hours of 7:00 AM - 7:00 PM Weekdays and 8:30 AM - 5:00 PM Saturdays, Sundays, and Legal Holidays. Any requested variance to these hours require action by Town Board of Selectmen for approval.
- C. Existing Utility Interruptions: Refer to Section 011400 - Work Restrictions.
- D. Construction Manager Parking: Parking of Construction Manager's vehicles ~~and those of his Subcontractors will be allowed only within Limit of Work area located where shown on Drawings. Construction Manager shall be responsible for parking arrangements, regulation and control of such parking and resulting traffic. Each Subcontractor shall make arrangements with Construction Manager for required parking of his vehicles.~~
1. On-site parking is not ~~guaranteed~~ **available** and should not be expected. Contractors are encouraged to ~~carpool or take public transportation when possible.~~ **Parking outside the site fence is strictly prohibited.** Vehicles **parking in the Town of Brookline without a permit** ~~parked outside of designated areas such that they disrupt Project activities are subject to towing at the vehicle-owner's expense. Parking of work or personal vehicles outside of the construction fence is strictly prohibited.~~
- E. On-Site Delivery and Storage of Construction Materials: Do not permit materials and fabricated work to be stacked on, or be transported over, floor and roof construction in such a manner as to stress any construction beyond the designed live loads. Assume full responsibility for protection and safekeeping of products stored on premises. Obtain and pay for use of additional storage or work areas needed for operations. Limit use of site to work and storage of materials for this project.
1. Maintain clean, dry storage areas for construction materials and minimize their exposure to dust. Refer to Section 018119 – Indoor Air Quality Requirements and individual Division 2 through 50 Sections for additional requirements.
  2. Do not store foamed polystyrene, polyurethane or like materials within the building. Take proper precautionary measures regarding the Storage of such materials outside the building.
  3. **Similar or worse than any school in the Commonwealth, student and staff drop off and pick up times congest traffic with vehicles. No deliveries or other construction vehicles are permitted to enter or leave the site between 7:30am and 8:30am and from 2:15pm and 3:15pm on school days.** or as scheduled with School Dept.
- F. Construction Manager shall be responsible for adequate site drainage during the entire construction period and shall use any appropriate temporary means that does not adversely affect construction progress or abutting property. A Stormwater Pollution Prevention Plan, approved by DEP, will be implemented at the inception of the project.
- G. **Construction Manager shall take all necessary safety precautions and maintain an adequate level of fire protection at all times.** Only as required by local codes and AHJ's

Exclude. We are not limited to park where shown on drawings. ToB shall provide parking spaces behind Tappan and/or other locations

Exclude. Deliveries per Skanska's CMP plan, not WRA's specs.

- H. Do not use areas outside the Limit of Work area for temporary storage or structures without specific written permission from the Architect and Owner.

#### 1.10 PERMITS, INSPECTION AND TESTING REQUIRED BY GOVERNING AUTHORITIES

- A. If the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any portion of the Work to be inspected, tested, or approved, the Construction Manager shall give the Architect and such Authority timely notice of its readiness so the Designer may observe such inspection and testing.
- B. Prior to the commencement of construction, the Construction Manager shall complete application to the appropriate Building Code enforcement authority for a Building Permit. Such Permit shall be displayed in a conspicuous location at the Project Site.
- C. Payment requirements for this permit fee are waived by the Owner. Waiver of permit fee in this instance shall not be understood to apply to other permit and fee requirements for the Project.

#### 1.11 REFERENCE STANDARDS

- A. For products specified by association or trade standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. The date of the standard is that in effect as of the bid date, except when a specific date is specified.
- C. Obtain copies of standards when required by Contract Documents. ~~Maintain copy at job site during progress of the specific work.~~

#### 1.12 SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the 50-division format and CSI's "MasterFormat" numbering system.
  - 1. Section Identification: The Specifications use Section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete because all available Section numbers are not used. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of Sections in the Contract Documents.
  - 2. Division 1: Sections in Division 1 govern the execution of the Work of all Sections in the Specifications.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
  - 1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words

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implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.

2. All instructions in the Specifications are addressed to the Construction Manager unless the responsibility of the Designer or Owner is clearly indicated.
  - a. Where products are listed or described in outline form, the phrase "The Construction Manager shall furnish these products" is implied.
  - b. Where installation instructions or performance criteria are listed or described in outline form, the phrase "The Construction Manager shall perform the Work in accordance with these requirements" is implied.
  - c. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
  
- C. Definitions:
  1. Indicated: The word "indicated" refers to graphic representations, notes or schedules on Drawings, Paragraphs or schedules in Specifications, and similar requirements in Contract Documents. Terms such as "shown", "noted", "scheduled", and "specified" are used to help locate a reference. No limitation on location is intended except as specifically noted.
  2. Directed: Terms such as "directed", "requested", "authorized", "selected", "approved", "required", and "permitted", are hereby defined as "directed by Designer", "requested by Designer", "authorized by Designer", and other like items. No implied meaning shall be interpreted to extend the Designer's responsibility into the Construction Manager's area of construction supervision.
  3. Approve: The term "approved" when used in conjunction with the Designer's action on the Construction Manager's submittals, applications, and similar requests, is limited to the duties and responsibilities of the Designer as stated in GENERAL CONDITIONS. Such approval shall not release the Construction Manager from responsibility to fulfill Contract requirements unless otherwise provided in the Contract Documents.
  4. Furnish: Supply and deliver to the Project Site, ready for unloading, unpacking, assembly, installation, and similar operations.
  5. Install: Operations at Project Site, including unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
  6. Provide: To furnish and install, complete and ready for intended use.
  7. Installer: The Construction Manager or entity engaged by the Construction Manager, either as an employee, subcontractor, or sub-subcontractor for performance of a particular construction activity, including installation, erection, application, and similar operations. Installers are required to be experienced in the operations they are engaged to perform.
  8. Owner: The Awarding Authority.
  9. Authority having Jurisdiction: Any State, Local, or legal authority, as defined by statute.
  
- D. "Or Equal", "Or Equivalent": clause:
  1. Where products or materials are prescribed by manufacture name, trade name or catalogue reference, the word "or approved equal" shall be understood to follow.
  2. An item shall be considered equal or equivalent to the named item, if all of the following conditions are met:
    - a. It is at least equal in appearance, quality, durability, strength and design.
    - b. It meets or exceeds all performance requirements specified.
    - c. It performs the function of the item to an equal or superior standard as does the named item.
  3. All deviations from products specified shall be submitted as substitutions. For related

procedures, refer to Section 013300 – Submittal Procedures.

### 1.13 MISCELLANEOUS PROVISIONS

- A. Discovery: If during the excavation or other work, articles of unusual value, or of historical or archaeological significance are encountered the ownership of such articles is retained by the Owner, and information regarding their discovery shall be immediately furnished to the Designer.
1. If the nature of the article is such that the work cannot proceed without danger of damaging same, work in that area shall be immediately discontinued until the Designer has decided the proper procedure to be followed.
  2. Any time lost thereby shall be a condition for which the time of the Contract may be extended.
  3. All costs incurred after discovery in the salvaging of such articles shall be borne by the Owner.

- B. Refer to Section 013100 – Project Management and Coordination, Article 1.4, B. for particular project supervision requirements.

- C. Product and Material Requirements: In addition to product and material requirements as specified throughout the Project Manual, preference shall be given to materials mined or manufactured in Massachusetts first and the United States of America second wherever possible.

D. **Owner Change Order Requirements:**

1. Itemized labor and material breakdown: Required for all changes. Failure to include will result in immediate rejection of the COP. Invoices for materials substantiating costs should be included as back-up where applicable and provided in all cases where requested.
2. Unit Prices: Prior to submission of a change proposal the subcontractor (or sub-subcontractor) shall review the contract documents to determine if Unit Prices covers the item in question.
3. **Bond and Liability Insurance: This should be broken out separately and is not subject to OH&P. B&L costs of 2% and over (combined) shall be substantiated with the appropriate back-up.**
4. Labor rates: labor rate should reflect a blended rate of apprentices and journeymen if the former is used to prosecute change order work.
5. As-builts: A separate cost for as-built documentation is not reimbursable as a separate cost. This is part of OH.
6. Supervision: Supervision costs are NOT acceptable as a separate cost UNLESS it is based on a WORKING foreman.
7. **Small tools and equipment: Generally, Any equipment rental under \$1000 is not reimbursable as a separate cost. This is part of OH. Small tool costs are not reimbursable as a separate cost.**
8. **Consumables: may be reimbursable as a separate cost (depending on the item) but must be listed separately in order to be considered for reimbursement.**
9. **OH & P: Construction Manager: 5% (combined OH&P) for work performed by subcontractors (labor, equipment, and materials). 10% (combined) for labor work performed by their own forces. 10% (combined) for materials and equipment provided by the CM.**
10. **Subcontractors: 10% combined OH&P for work performed by their own forces. 5% combined for work performed by 2nd tier subcontractors. Additionally, the bottom tier**

Exclude entire section D as the terms of the owner agreement would govern.

subcontractor is entitled to 10% (combined) OH&P provided that they are performing the work with their own forces. Any tier above the bottom tier (performing the work) shall be entitled to 5% OH&P HOWEVER THE MAX. OH&P CHARGED TO THE OWNER SHALL NOT EXCEED 20% (COMBINED) IN ANY CASE WHERE SUB-SUBCONTRACTORS ARE INVOLVED IN THE WORK.

11. Electrical changes: Use the BNI electrical and the BNI Mechanical Electrical costbooks (as modified by region) as the basis for electrical change order work.
  12. Sitework: Use the Rental Rate Bluebook (as published by Neslon / Dataquest) for construction equipment rental rates. The Contractor (or subcontractor) shall avail themselves of discount rates for extended periods of rental in order to reduce overall costs incurred by the Owner.
  13. Home Office Costs: Home Office costs are not reimbursable as a separate cost. This is a part of overhead.
  14. Time, not extended general condition costs: In the case where the Owner (and / or its agents) deems that a time extension is warranted, the grant of additional time will NOT be accompanied by extended general condition costs.
- E. Proprietary Items: The Town of Brookline has voted and approved certain items to be proprietary as indicated within the Project Manual specifications.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 011400  
WORK RESTRICTIONS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Construction Documents, Project Electronic Files and graphic reproduction of Contract Documents.
  - 2. Interpretation and modification of Contract Documents.
  - 3. Construction Manager's reports.
  - 4. Cleaning materials
  - 5. Safety and disposal requirements.
  - 6. Conduct of the Work.
  - 7. Existing Utilities.
  - 8. Conduct of construction personnel and noise control.
  - 9. Safety and disposal requirements and accident prevention.
  - 10. Welding and cutting.
  - 11. Fire watch.
  - 12. Municipal police services
  - 13. Storage of materials off-site
  - 14. Dust control.
  - 15. Cleaning during construction.
  - 16. Pollution control.
  - 17. Owner's occupancy requirements
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Section 013200 – CONSTRUCTION PROGRESS DOCUMENTATION: Preparation and execution of construction schedule, daily reports, and photography.
  - 2. Section 013100 – PROJECT MANAGEMENT AND COORDINATION: Procedures and responsibilities for coordinating the Work.
  - 3. Section 013300 – SUBMITTAL PROCEDURES. Submittal procedures.
  - 4. Section 015000 – TEMPORARY FACILITIES AND CONTROLS, for additional information on temporary measures required during construction.

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5. Section 015639 – TEMPORARY TREE AND PLANT PROTECTION.
6. Section 017400 – CONSTRUCTION WASTE MANAGEMENT, for removal of non-hazardous debris including provisions for recycling and disposal.
7. Section 017700 – CLOSEOUT PROCEDURES: Procedures for completing the Work.
8. Section 017839– PROJECT RECORD DOCUMENTS: Preparation of record drawings and other documents.
9. Division 31 – EARTHWORK and Soil Management Plan, for removal of contaminated soils and liquids.

1.3 SUBMITTALS

- A. General: Refer to Section 013300– SUBMITTALS, for submittal provisions and procedures.
- B. Layout of Temporary Construction Facilities: Submit location plan showing trailers and storage layout.

C. Logistics Plan:

1. Construction Manager shall submit to the Town Architect, at the Pre-construction Meeting, a detailed Logistics Plan, which shall include:
  - a. Delivery Hours and Delivery Routes
  - b. Gate location, and wheel washing location.
  - c. Hours of Work
  - d. Trailer Area, and Layout of trailers
  - e. Temp fencing, erosion control, and metering locations
  - f. Location for stockpiling of soil
  - g. Location for stockpiling plowed snow
  - h. Locations for waste management containers.
  - i. Protection of existing curbs and walkways.
  - j. Lighting Plan
  - k. Traffic plan.
  - l. Police detail.
  - m. Pedestrian safety plan on site.
  - ~~n. Protection of Devotion House.~~
  - o. Tree and plant protection.
2. Refer to Section 015000 – TEMPORARY FACILITIES AND CONTROLS, for specifications for temporary construction and other items to be shown on Logistics Plan.
3. No work shall commence until the Logistics Plan has been approved.

Exclude entire section C. Logistics was provided in proposal and refined over time in conjunction with the Town, DPW, etc. No logistics plans are to be submitted to the Architect

- D. Photographs: Progress Prints and videotapes as specified in this Section, and in Section 013200 – CONSTRUCTION PROGRESS DOCUMENTATION.

E. Reports:

1. Documentation of off-site storage facilities.
2. ~~With each Application for Payment, submit the following reports, compiled on a monthly basis:~~
  - ~~a. Construction Manager's Reports~~
  - ~~b. Proof of submission of Certified weekly payrolls to Owner.~~
  - ~~c. Monthly cost projections.~~

Exclude entire section E. Owner agreement governs monthly reports and cost projections and certified payroll is submitted direct to awarding authority by subs, not by Skanska.



#### 1.4 CONSTRUCTION DOCUMENTS

- A. The Construction Manager shall retain copies of the Contract Documents issued to them for bidding purposes.
  - 1. The Owner will furnish to the Construction Manager, without additional charge, an additional ten (10) complete sets of the Contract Documents, including Drawings and Specifications, for use during the construction period.
  - 2. Extra sets returned by bidders and not required for other purposes, as determined by the Owner's Project Manager, will be made available to Construction Manager and Subcontractors for the Work.
  
- B. All other hard copies of the Contract Documents required by the Construction Manager or subcontractors for use during the construction period shall be purchased by the party requiring same. Owner's Project Manager will furnish approximate costs of such additional copies and will transmit originals to local printing companies with whom he regularly does business, but will not receive bills for such printing through his account. All negotiations for such printing shall be between Construction Manager and Printer.
  - 1. Refer to provisions in this Section, for electronic copies of documents to be made available for the Construction Manager's use during construction.
  - 2. Refer to Section 017839 – PROJECT RECORD DOCUMENTS, for additional sets to be provided by the Owner to the Construction Manager for the purpose of maintaining record prints of the Work as construction proceeds.

#### 1.5 PROJECT ELECTRONIC FILES

- A. Definitions:
  - 1. Contract Documents: Printed hard copies of drawings and other documents, as defined in the General Project Requirements and listed in the signed copy of the Form of Agreement between Owner and Construction Manager.
    - a. In case of conflict between the Contract Documents and documents obtained through electronic means, the Contract Documents shall govern.
  - 2. Project Electronic Files: Electronic copies of electronic documents for the Project, comprising drawings listed on Document 011401 – Electronic Release Form.
  
- B. General Procedures: At the Pre-Construction Meeting, the Architect will present to the Construction Manager one compact disc (CD) with Project Electronic Files, for use in the preparation of coordination and record documents for the Project.
  - 1. Release Forms Required:
    - a. The Construction Manager shall sign a copy of Document 011401 – Electronic Release Form, to be filled out and issued by the Architect.
    - b. By signing the release form, the Construction Manager is acting on behalf of all their subcontractors for the Work of this Project.
  - 2. Additional copies of the compact disc with Project Electronic Files will be available from the Architect at an additional cost.
  
- C. Electronic File Format:
  - 1. Editable Files: Electronic files for drawings listed on Document 011401 – Electronic Release Form will be furnished in "\*.DWG" format.
  - 2. Printable, Non-Editable Files: Electronic files for all Drawings in the Bid Set and for Drawings issued as Addenda will be furnished in "\*.PDF" format (Adobe Acrobat Reader, version 6.0).

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3. William Rawn Associates Architects, Inc. does not warrant that these electronic documents are compatible with any software or hardware other than those on which they were produced.
- D. Permitted Use of Project Electronic Files: Use of electronic files by the Construction Manager and Sub-Contractors is limited to the following activities:
  1. Project Electronic Files may be used as a guide only for the preparation of Coordination Drawings and Record Drawings to be submitted as a requirement for the Project.
  2. Project Electronic Files may be used as a guide only for preparation of shop drawings. Exact copies of Contract Documents will not be accepted if submitted for these purposes, unless specifically permitted by an individual specification Section.
- E. Responsibilities of Construction Manager: Use and reproduction of Project Electronic Documents are subject to the following conditions:
  1. The use of Project Electronic Files, reproduced either electronically or by other graphic reproduction methods, does not in any way alter the responsibilities of the Construction Manager for final system coordination. The Construction Manager shall incur all liability in this respect.
  2. The Construction Manager and all Subcontractors are responsible for checking the dimensions and completeness of the Project Electronic Files, ~~and for determining any possible errors and omissions, as required by the General Project Requirements.~~
  3. **The Construction Manager is responsible for updating Project Electronic Files as necessary to incorporate changes to the Work shown in Addenda and documents issued during construction.**
  4. In no event shall William Rawn Associates Architects, Inc., or any other Person or Firm involved in the creation, production or distribution of the reproducible or electronic documents, be liable to the persons utilizing the documents, on account of any claim for damages. **Each Person or Firm utilizing these documents agrees to release, indemnify, hold harmless and defend William Rawn Associates Architects, Inc., its officers, employees and consultants from an against all liability arising out of such firm's use of the electronic or reproduced documents or information referred to herein.**
- F. Ownership of Documents: By transferring copies of Project Electronic Files, William Rawn Associates Architects, Inc. and the Owner do not in any way convey the copyright in the designs contained therein, nor do they convey a license to copy or use them for any purpose except as required for the construction of the Project.
- G. License for Software: By transferring copies of Project Electronic Files, William Rawn Associates Architects, Inc. does not in any way convey transfer license to use the software on which the documents were prepared. Each entity using Project Electronic Files is responsible for obtaining licenses as needed for its use of those files.

CM will not be responsible for determining errors. We will only notify them if we become aware of errors. We will not be responsible for updating the E files for changes made by Addenda, the architect and consultants need to provide current information for coordination purposes.

per  
Owner-CM  
Agreement  
and GMP  
A&Qs

1.6 GRAPHIC REPRODUCTION OF CONTRACT DOCUMENTS

- A. Reproduction of Contract Documents issued for the Project, by graphic reproduction methods, shall be subject to the conditions outlined for reproduction of Project Electronic Files.

1.7 INTERPRETATION AND MODIFICATION OF CONSTRUCTION DOCUMENTS

- A. Refer to Agreement between Owner and Construction Manager for general information on Change Orders, Work Change Directives, Field Orders and Architect's written amendments and clarifications. The intent of this Article is to provide for additional procedures to be followed during construction.
- B. Requests for Information: Each time the Construction Manager or Subcontractor has a reasonable question on the interpretation of the Contract Documents, they shall submit in writing a Request for Information (RFI) to the Architect for response.
1. The Construction Manager shall examine field conditions carefully and review the Drawings and Specifications thoroughly prior to issuing an RFI.
  2. The Construction Manager shall keep a log of RFI's, numbering them in the order in which they are issued.
  3. Each RFI shall contain a clear statement of the question, references to relevant Contract Documents and additional background information as needed to facilitate the Architect's review.
  4. All requests for information from Subcontractors shall be made through the Construction Manager and addressed to the Architect, and the Architect will distribute them as needed to the appropriate Consultants. A copy of each RFI shall be given to the Clerk of the Works. *electronically*
  5. RFI's shall be issued in a timely manner to permit a thorough review and preparation of a response by the Architect and their Consultants. The Construction Manager shall identify on the RFI form whether the RFI is low, medium or highly critical and shall note the date that the RFI response is due in order not to affect the construction progress schedule.
  6. The Architect will prepare a written response to each RFI within ~~5~~ 10 workdays, or sooner if the Construction Manager provides a realistic date when the response will be needed.
- C. Proposal Requests: During construction, it may become necessary or desirable to modify the Contract Drawings or Specifications in response to concealed existing conditions, changes in the Owner's program or other unforeseen circumstances.
1. Where such a modification may involve a change in the Contract price or time, the Architect will prepare a Proposal Request describing the modification under consideration, including sketches or drawings, specifications and other information to permit pricing by the Construction Manager.
  2. Copies of each Proposal Request and its attachments will be distributed to the Owner, Clerk of the Works and Construction Manager.
  3. The Construction Manager shall respond in a timely manner with a Proposed Change Order detailing the estimated costs and change in Contract duration, for review by the Architect and approval by the Owner.
  4. A Proposal Request will not constitute direction to proceed with the modification unless accompanied by a Work Change Directive and an estimated price.
- D. Change Order Requests: If the Construction Manager is required to perform Work that they consider to represent a change in the cost of the Project, they may submit Change Order Requests for such work in accordance with the General Conditions and Supplementary General Conditions.
1. Each Change Order Request shall be accompanied by a document describing the modification under consideration, including sketches or drawings, specifications and other information to permit review of pricing by the Architect and Owner.

*D is fine, but could be excluded with reference to owner agreement since that governs this process*

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2. Distribute copies of each Change Order Request and its attachments to the Owner, Clerk of the Works and Architect.
3. The Architect and Owner will respond in a timely manner with a Proposed Change Order incorporating the Change Order Request if it is approved.
4. Verbal approval of a Change Order Request will not constitute direction to proceed with the modification unless accompanied by a Change Order, or a Construction Change Directive with an estimated price.

E. Architect Review of Construction Manager-Generated Requests for Information and Change Order Requests: The Architect will review and prepare written responses to the Construction Manager's Requests for Information and Change Order Requests that are submitted in accordance with the requirements of this section.

1. If the Construction Manager submits an excessive number of requests for information that are incomplete, or for which the information requested is available from a careful study and comparison of the Contract Documents, field conditions, other Owner-provided information, Construction Manager-prepared or other prior Project correspondence or documentation, then the Construction Manager shall be responsible to the Owner for costs for Additional Services of the Architect to review those requests for information.
2. If the Architect determines that the Work covered by a Change Order Request is covered by the scope of the Contract Documents, the Construction Manager shall be responsible to the Owner for costs for Additional Services of the Architect to evaluate proposals and prepare Instruments of Service associated with such Change Order Request.
3. Refer to other paragraphs in this Section for procedures required in cases where Construction Manager is responsible to the Owner for costs for Additional Services of the Architect.

1.8 CONSTRUCTION MANAGER'S REPORTS

- A. A daily report summarizing the work performed, weather conditions, number of workers, amount and kinds of equipment, unusual occurrences, and the like shall be compiled and submitted at the end of each week by the Construction Manager's Field Superintendent to the Architect, the Owner's Project Manager, the Clerk of the Works, each working day covering the work performed on the previous working day.  
Electronically in Procore
- B. Form of the daily report shall be as approved by the Architect.

1.9 CONSTRUCTION MANAGER RESPONSIBILITY TO THE OWNER FOR ARCHITECT'S ADDITIONAL SERVICES

means & methods

- A. **The Contract between the Owner and the Architect contains provisions for additional services that may be required of the Architect during construction due to unforeseen conditions.**
  1. **Where such additional services become necessary due to the activities of the Construction Manager, as determined by the Owner's Project Manager, costs for such services will be the responsibility of the Construction Manager, and will be deducted from the Contract Amount.**
- B. Additional services for which the Construction Manager is responsible for cost to the Owner may include the following activities of the Architect **and Owner's Project Manager**:
  1. Review of Requests for Information and Change Order Requests for work determined to

We cannot agree to this, in particular "as determined by the OPM" Would OPM, A&E agree to be responsible for additional costs for our time due to unforeseen conditions?

- be covered in the Contract Documents. Refer to related Articles in this Section.
2. Continuation of construction administration beyond the dates specified for Final Completion of the Work: Refer to Section 013200 – CONSTRUCTION PROGRESS DOCUMENTATION.
  3. Review of re-submitted submittals and Substitution Requests that have been rejected: Refer to Section 013300 – SUBMITTAL PROCEDURES.
  4. Re-inspection of incomplete work: Refer to Section 017700 – CLOSEOUT PROCEDURES.
  5. Design services for the resolution of non-conforming work.
  6. **Review and resubmittal of Requisitions for Payment due to incomplete, inaccurate documentation, or errors.**

## PART 2 - PRODUCTS

### 2.1 CLEANING MATERIALS

- A. Use only those materials which will not create hazards to health or property and which will not damage surfaces.
- B. Use only those cleaning materials and methods recommended by manufacturer for surface material to be cleaned.
- C. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.
- D. Comply with LEEDv4 requirements, including IAQ plan.

## PART 3 - EXECUTION

### 3.1 CONDUCT OF WORK

- A. The Contract Site shall be as shown on the Drawings, and shall include the entire area bound by the "Contract Limit" or "Limit of Work" lines as well as all areas outside of the Limit of Work Lines when required for performance of work under this Contract.
- B. Due to the proximity of construction activity to existing occupied homes and residential and commercial buildings, extreme care must be taken to minimize the noise, exhaust, and vibration caused during the performance of the Work. Any potential disruptions must be anticipated in advance and scheduling and mitigation measures approved in advance with the Owner's Project Manager.
- C. Construction Manager shall take all steps necessary to protect existing conditions to remain. Damage to existing work caused by Construction Manager's operations under this Contract shall be repaired at Construction Manager's expense.
- D. Any street, paving, curb and/or sidewalk damaged as the result of work under this Contract, whether within or outside the limits of the Work, shall be repaired and/or replaced with new matching construction by the **Construction Manager at his expense** and in a manner satisfactory to the Architect and authorities having jurisdiction.

In some cases damage is inevitable and planned for by budgeting repairs. They will not be of CM's expense unless reimbursed by Owner.

within GMP and per Owner Agreement

- E. Protection of Curbs and Walkways: Where existing curbs or walks are to remain, or after new curbs or walks are constructed and trucking is required over them, they shall be suitably protected as shown on approved Logistics Plan.
- F. Trenching and other work outside construction limits shall be expedited to the fullest and carried out with minimum of inconvenience to normal operations of Owner and public traffic. Walks, paved or landscaped areas over which temporary walks and driveways cross shall, upon completion of the Work, be restored to their original condition with new construction. Temporary roadways shall be bridged over trenched areas.
- G. Provide continuous, lawful, safe, adequate and convenient access to the site. Construction Manager shall construct and maintain in good, safe, usable condition temporary roads, capable of supporting emergency vehicles, and appurtenances as required, and when no longer required, remove temporary construction and restore such areas to their original condition, or as otherwise specified in the Contract Documents.

### 3.2 EXISTING UTILITIES

- A. Existing Utility Interruptions: Do not interrupt utilities serving facilities if occupied by Owner, or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
  - 1. Notify Owner not less than four days in advance of proposed utility interruptions.
  - 2. Do not proceed with utility interruptions without Owner's written permission.
- B. Immediately repair any active existing utility lines (cables, conduit, ducts, and piping), damaged during the course of construction. Protect and maintain such active existing utilities in use, until relocation of same has been completed or utilities have been cut, capped, or prepared for new service connections, as applicable. Perform such repair and protection work at no additional cost to the Owner.
- C. If any existing active utility not indicated on the Drawings is unintentionally damaged, and such utility is to remain, immediately repair the damage and restore the utility to its original integrity. Reimbursement of cost for performing such repair will be made by an adjustment in the Contract Price in accordance with the Agreement between Owner and Construction Manager.
- D. Any adjustment as outlined above shall be based on the assumption that the Construction Manager has performed in a prudent manner at the time such damage occurred. If extra expense is incurred in protecting and maintaining any utility line not shown on the Drawings, nor revealed by a "Dig-Safe" inspection, an adjustment in the Contract Price shall be made.
- E. The Owner will cooperate and assist the Construction Manager in locating and identifying underground utilities. Construction Manager shall cooperate and participate in "Dig Safe" programs, notifying proper authorities before proceeding.
- F. If it becomes necessary to interrupt power, water line, sewer, gas or other utilities to adjacent buildings, notify the Architect and Owner's Project Manager at least four (4) days in advance. Schedule such interruptions at such times as will minimize disruption and inconvenience to users. Construction Manager shall be responsible for notification to neighboring properties as required.

3.3 CONDUCT OF CONSTRUCTION PERSONNEL

- A. All tobacco use on Town property is prohibited by Town Ordinance. Smoking **of any substance**, including the use of vaporizers, electronic cigarettes, or other smokeless devices, is strictly prohibited on site or adjacent to the site.
- B. Under no circumstances shall workers on site have interactions with students.
- C. Use of profanity is prohibited.
- D. At the sole discretion of the Owner, the Construction Manager shall be prepared to fully cooperate with CORI and ~~SORI checks~~. Owner agreement only requires CORI

3.4 NOISE CONTROL

Strike we will operate within the by laws of the town.

- A. ~~Develop and maintain a noise-abatement program and enforce strict discipline over all personnel to keep noise to a minimum. Submit noise abatement program to Owner's Project Manager and Architect for review prior to use of noise generating equipment.~~
- B. Execute construction work by methods and by use of equipment that will reduce noise and which will provide minimum interference with neighborhood activities.
  - 1. Employ construction methods and equipment that will produce the minimum amount of noise.
  - 2. Equip air compressors with silencers, and power equipment with mufflers.
  - 3. Handle vehicular traffic and scheduling to reduce noise.
- C. Use of radios, including headphones, and electronic entertainment equipment is strictly prohibited on site.
- D. Do not run equipment, including idling of vehicles outside of the specified hours of work.

3.5 SAFETY AND DISPOSAL REQUIREMENTS

- A. Standards: Maintain project in accordance with State Building Code and local ordinances.
- B. Hazards Control: Store volatile wastes in covered metal containers and remove from premises. Prevent accumulation of wastes which create hazardous conditions. Provide adequate ventilation during use of volatile and noxious substances.
- C. Disposal: Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws. Do not burn or bury rubbish and waste materials on project site. Do not dispose of hazardous wastes such as solvents, mineral spirits, oil, paint, paint thinner in storm or sanitary drains. Do not dispose of wastes into streams or waterways.

3.6 ACCIDENT PREVENTION

- A. Comply with all Federal, State and municipal ~~recommendations and requirements for safety and accident prevention, those of the Associated General Contractors of America and the American National Standards Institute (ANSI Standard A10.2).~~ Conduct regular, frequent

per CM's own  
Safety standards  
which are more  
stringent

inspections of the site for compliance with safety regulations.

- B. Neither the Owner nor the Architect will be responsible for providing a safe working place for the Construction Manager, Subcontractors, or their employees, or any individual responsible to them for the Work.

Strike 3.7. Work will be done in compliance with federal, state, town and Skanska requirements, not as written by the Arch.

### 3.7 WELDING AND CUTTING

- A. Where electric or gas welding or cutting work is done above or within ten (10) feet of combustible material or above space that may be occupied by persons, use interposed shields of incombustible material to protect against fire damage or injury due to sparks and/or hot metal.
- B. Place tanks supplying gases for gas welding or cutting at no greater distance from the work than is necessary for safety, securely fastened and maintained in an upright position where practicable. Such tanks, when stored for use, shall be remote from any combustible material and free from exposure to the direct rays of the sun or high temperatures. Storage shall be secured under lock and key, to prevent unauthorized use of gas and equipment.
- C. Maintain suitable fire extinguishing equipment near all welding and cutting operations. When operations cease for the noon hour or at the end of the day, thoroughly wet down the surroundings adjacent to welding and cutting operations. Properly protect any new materials, stored or installed, that are subject to water damage.
- D. Station a worker equipped with suitable fire extinguishing equipment near welding and cutting operations to see that sparks do not lodge in floor cracks or pass through floor to wall openings or lodge in any combustible material. Keep the worker at the source of work which offers special hazards for a minimum of thirty (30) minutes after the job is completed to make sure that smoldering fires have not been started; or longer.
- E. Place a qualified electrician in charge of installing and repairing electric and arc welding equipment.

### 3.8 FIRE WATCH

- A. Comply with authorities having jurisdiction for fire watch requirements during hot work operations. ~~Hot work shall include but not be limited to welding, torch and open flame work, cutting of steel, and other similar operations.~~ Schedule and pay for fire watch services as required by authorities having jurisdiction. CM shall arrange and pay for all fire watch services as no change to the Contract price.
- B. The Town of Brookline requires welding permit for all hot work, including welding outside. The Town of Brookline requires a Fire Department designated uniformed employee for all Fire Watches. The Town of Brookline Fire Department has a 4-hour minimum shift.
- C. ~~Extend the Worker's Compensation Insurance and Employer's Liability Insurance required under the Agreement between the Owner and Construction Manager to cover Fire Department employees used on the Project.~~



3.9 MUNICIPAL POLICE SERVICES

- A. Make all necessary arrangements with the municipal police department in advance of times when regular, off-duty, or reserve police officers will be needed for traffic control or protection due to operations performed under this Contract.
- B. Police detail to be provided on an as needed basis during heavy trucking and work on public roads.
- C. Pay police officers in accordance with rates established by the municipality for such service:
- D. ~~Extend the Worker's Compensation Insurance and Employer's Liability Insurance required under the Agreement between Owner and Construction Manager to cover police used on the Project.~~

3.10 STORAGE OF MATERIALS OFF SITE

Strike entire section, stored material is governed by CM agreement not architect.

- A. ~~The Construction Manager, Subcontractors and Sub-subcontractors shall obtain prior written approval from the Owner through the Architect for permission to store materials to be incorporated in the Work, for which Progress Payments will be requested, at off-site locations. Any and all charges for storage, including insurance, shall be borne solely by the Construction Manager. Before approval, Owner will require proper proof of insurance and a letter in which is furnished:
  - 1. The names of the Construction Manager and/or Subcontractor or subordinate Subcontractor leasing the storage area.
  - 2. The location of such leased space.
  - 3. Description of the leased area: The entire premises or certain areas of a warehouse giving the number of floors or portions thereof.
  - 4. The date on which the material is first stored.
  - 5. The value of the material stored.
  - 6. Transfer of title for such materials in a form acceptable to the Owner.~~
- B. Requirements for storage facility at which materials will be stored off-site:
  - 1. The storage facility shall be a bonded warehouse.
  - 2. The Construction Manager shall permit access to the storage facility to the Clerk of the Works upon request.
- C. Construction Manager, Subcontractors and subordinate Subcontractors shall provide prior to the request for payment for such stored materials, adequate advanced notice, to the Architect so that the Owner or Architect can inspect, at their convenience, the materials being stored at any location.
- D. Each sealed carton shall be marked with the Project name, the Owner's name and the Architect's name as they appear in the Agreement.
- E. A perpetual inventory shall be maintained for all materials held in storage for which payment has been requested.
- F. Payment for materials stored off site shall be at the sole discretion of the Owner. Any additional costs to the Owner resulting from storage of material off site for which payment is requested, such as, but not limited to, travel expenses and time for inspectors shall be

backcharged to, and paid by, the Construction Manager.

### 3.11 DUST CONTROL

- A. Maintain the construction site, stockpiles, access, detour, and haul roads, staging and parking area used for the Work, free of dust which would cause a hazard or a nuisance to those at the site or adjacent sites.
  - 1. Streets and sidewalks shall be cleaned regularly to minimize dust accumulations. Street sweeping shall occur on a daily basis during excavation and foundation operations. ← as needed; refer to GMP GRs
- B. Provide environmentally safe and positive methods and dust control materials to minimize raising dust from construction operations, and provide positive means to prevent air-borne dust from dispersing into the atmosphere.
- C. Wet down dry materials and rubbish to lay dust and prevent blowing dust.
- D. Clean interior spaces prior to the start of finish painting and continue cleaning on an as-needed basis until painting is finished. ← Construction Clean, not Final Clean for painting.
- E. Schedule operations so that dust and other contaminants resulting from cleaning process will not fall on wet or newly-coated surfaces, including paint, coatings, sealants, caulking, adhesives.
- F. Furnish, erect, and maintain for the duration of the work period, temporary fire-retardant dust proof coverings and partitions as required to prevent the spread of dust beyond the immediate area where work is being performed.
- G. These provisions do not supersede any specific requirements for methods of construction or applicable regulations or general conditions set forth elsewhere in the Contract with regard to performance obligations of the Construction Manager.

Owner has not authorized the cost of daily street sweeping

### 3.12 CLEANING DURING CONSTRUCTION

- A. Execute cleaning during progress of work and at Substantial Completion, as required by General Conditions, in accordance with LEEDv4 requirements, and as herein specified. Refer to Section 017400 – Cleaning and Waste Management for more information.
- B. Maintain premises and public properties free from accumulations of waste, debris and rubbish caused by operations. At completion of work, remove waste materials, rubbish, tools, equipment, machinery, and surplus materials, and clean all exposed surfaces; leave project clean and ready for occupancy.
- C. Cleaning shall be in addition to cleaning specified under other sections and shall include all surfaces, interior and exterior in which or to which the Construction Manager has had access.
- D. Refer to Sections of the Specifications for cleaning of specific products.
- E. Execute cleaning to ensure that the building, the site, and adjacent properties are maintained free from accumulations of waste materials and rubbish and windblown debris, resulting from construction operations.

- F. Provide on-site containers for collection of waste materials, debris and rubbish.
- G. Remove waste materials, debris and rubbish from the site periodically and dispose of at legal areas off site.
- H. Handle materials in a controlled manner with as little handling as possible. Do not drop or throw materials from heights.
- I. Schedule cleaning operations so that dust and other contaminants resulting from cleaning processes will not fall on wet newly painted surfaces, uncured caulking, sealants, adhesives, and other like items

### 3.13 POLLUTION CONTROL, GENERAL

- A. Provide methods, means and facilities required to prevent contamination of soil, water and atmosphere by the discharge of noxious substances from construction operations.
- B. Remediation of Spills: Provide equipment and personnel, perform emergency measures required to contain any spillages, and to remove contaminated soils or liquids. Excavate and dispose of contaminated earth off site and replace with suitable uncontaminated compacted fill and topsoil, in accordance with the requirements of Division 31 - EARTHWORK.
- C. Take special measures to prevent harmful substances from entering public waters. Prevent disposal of wastes, effluents, chemicals, or other such substances adjacent to streams or in sanitary or storm sewers. Must comply with SWPP requirements.
- D. Provide systems for control of atmospheric pollutants. Prevent toxic concentrations of chemicals. Prevent harmful dispersal of pollutants into the atmosphere.

### 3.14 **OWNER'S OCCUPANCY REQUIREMENTS**

- A. Owner Occupancy of Completed Areas of Construction: **Owner reserves the right to occupy and to place and install equipment in completed areas of building, before Substantial Completion dates, provided such occupancy does not interfere with completion of the Work.** Such placement of equipment and partial occupancy shall not constitute acceptance of the total Work.
  - 1. Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied before Owner occupancy.
  - 2. Obtain a Certificate of Occupancy from authorities having jurisdiction before Owner occupancy.
  - 3. Before partial Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical and electrical systems serving occupied portions of building.
  - 4. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of building.
- B. If the Project is substantially complete by the specified date for Substantial Completion, the Owner at his election may from time to time, or permanently, occupy the building or any portion thereof as the work is completed to such a degree as will, in the opinion of the Owner,

Strike entire section 3.14, it is governed by the CM Agreement

permit the use of the building or other portions of the Project for the purpose for which they are intended.

- C. The Owner will, prior to any such partial occupancy, give notice to the Construction Manager thereof and such occupancy shall be predicated upon the following conditions:
1. In the case of partial occupancy prior to the stipulated completion date, the Owner shall secure endorsement from the Construction Manager's insurance carrier and consent of the surety permitting occupancy of the building or use of the Project during the remaining period of construction.
  2. In the case of partial occupancy after the stipulated completion date, the Construction Manager shall extend all the necessary insurance coverage as stipulated until the date of Final Acceptance of the Project. Owner's use and occupancy prior to final Acceptance shall not relieve the Construction Manager of his responsibility to maintain the insurance coverage as required by the Contract Documents.
  3. In case of such partial occupancy, the guarantee period called for by the Contract Documents shall commence on the date of Substantial Completion of the Phase containing the guaranteed Work.
  4. Occupancy of the building or any portion thereof by the Owner, shall not constitute an acceptance of the Work or of work not performed in accordance with the Contract Documents or relieve the Construction Manager of responsibility to perform any work required by the Contract but not completed at the time of occupancy.
  5. If the Owner occupies the building as a result of the Construction Manager's failure to substantially complete the work by the specified date, the Construction Manager shall pay maintenance costs on the portion of the building occupied under this Agreement until Substantial Completion.
  6. **The Construction Manager shall be required to furnish heat, electricity and water used in the occupied portion of the building, from the time of the occupancy by the Owner until Substantial Completion of the project.**
- D. **Building systems and components of systems such as, but not limited to, HVAC, will not be considered substantially complete until the entire system functions as specified and to the satisfaction of the Owner.**

END OF SECTION

not sure the concern, but whatever was req'd between WRA and Skanska at beginning of the project in order to obtain the e-files must have been rectified and in the past

**WRA Public CADD Files Disclaimer**

Access to WRA BOX site and use of the electronic files is conditioned upon your acceptance of the following.

1. The electronic files include drawings, specifications and other documents in electronic form (collectively "data"). The data is the electronic format of the specific file type, and are instruments of service of WRA and its sub-consultants for use solely with respect to the Project for which they were prepared, and shall remain the property of WRA, its sub-consultants, and or the project Owner even if the Project is not completed.
2. Your use of the data is strictly limited to that necessary for the services or work you are providing on the Project. All data made available shall not be used for any other projects, for additions to the Project, or for completion of the Project by others.
3. The transfer of data shall not be considered a sale. WRA makes no representations expressed or implied regarding the data's merchantability or fitness for a particular purpose or with respect to its quality, adequacy, completeness or sufficiency as to any contained in the data is complete. The data could be changed subsequent to your accessing. Items in the data may not be to scale.
4. You acknowledge anomalies and errors can be introduced into the data when it is downloaded, transferred, or used in an incompatible computer environment. By accessing downloading and/or using the data you acknowledge and accept the risks associated with damage to hardware, software or computer systems or networks related to the use of the data. You hereby release WRA, and/or our consultants from losses or damages of any kind resulting from the download, transfer or use of the data.
5. You hereby release WRA, and our sub-consultants from losses and damages of any kind resulting from the download, transfer or use of the data. You agree to make no claim and hereby waive, to the fullest extent permitted by law, any claim or cause of action of any nature against us, our officers, employees, agents, or sub-consultants that may arise out of or in connection with your use of electronic files. Furthermore, you shall to the fullest extent permitted by law, indemnify, and hold harmless against all damages, liabilities, or costs, including reasonable attorney's fees and defense costs, arising out of or resulting from your use of these electronic files.
6. WRA reserves the right to retain an archival copy of the data which shall be referred to and shall be conclusive in all disputes arising out of the data furnished to you.
7. All data is confidential. If you are not the intended or authorized recipient you should not retain, disclose, distribute, or use any information and you should destroy any files received in error.

Please fill in the fields below and send to the WRA project manager on the project.

**Project Name:**  
**Company Name**

**Signed:**  
**Date:**

I have read the above and agree to terms and conditions.

check

SECTION 012400

SCHEDULE OF VALUES

Entire section to be struck as the SOV is governed by the owner agreement, GCs section VIII and we use AIA G702 and G703 for format. If that is not agreed to, I will need to review entire section in detail.

Owner Agreement takes precedence

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes requirements for the following procedures:
  - 1. Preparation and submittal of the Preliminary and Final Schedule of Values
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Requirements for construction schedules: Section 013200 – Construction Progress Documentation.
  - 2. General procedures for submittals: Section 013300 – Submittal Procedures.

1.3 DEFINITIONS

- A. Schedule of Values: A statement furnished by Construction Manager allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Construction Manager's Applications for Payment.

1.4 SUBMITTALS

- A. Prepare and submit the following submittals in accordance with the requirements of Section 013300 – Submittal Procedures.
- B. Schedule of Values:
  - 1. Schedule of Values shall be typewritten on 8-1/2 by 11 inch white paper.
  - 2. Submit to the Architect one (1) copy of each Schedule of Values within 7 days of receipt

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of Notice to Proceed for GMP Number 1 and for the Notice to Proceed for the Final GMP. Electronic submission is acceptable.

3. Provide Schedule of Values in AIA-G702 and G703 format.
- C. List of Subcontractors and Sub-subcontractors: Attached to the Preliminary Schedule of Values shall be a list of the names, addresses (and whether individual, partnership or corporation) of each Subcontractor or Sub-Subcontractor who is to perform all or any part of each subdivision. In the event any Subcontractors, or Sub-subcontractors are not known at the time said schedule is prepared, an amended or supplementary list containing the names of the Subcontractors and Sub-Subcontractors involved and indicating their division of the Work shall be furnished to the Architect as soon as the information is available. A code number for identification on requisitions shall be used to identify the Construction Manager, each of the Subcontractors and subordinate Subcontractors, and shall be shown in each requisition where any part of the Work performed by the Construction Manager, such Subcontractor, Sub-Subcontractors or material supplier is incorporated in the amount of the requisition for which payment is requested.
- D. Monthly Updates: Submit to the Owner's Project Manager with the Schedule of Values on a monthly basis such schedules of quantities and costs, payrolls, reports, estimates, records, and other data as the Owner's Project Manager may request concerning work performed or to be performed under this Contract. The Schedule of Values shall be submitted at the same time as the updated CPM Schedule showing the current status of the work, as required under Section 013200 – Construction Progress Documentation.

**1.5 SCHEDULE REQUIREMENTS**

- A. General: Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project CPM Schedule. Provide line items for principal subcontract amounts, where appropriate, and for portions of the work designated in this Section.
- B. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the Schedule of Values. Provide at least one line item for each Specification Section. Identify each line item by Specification Number and Title, and by portion of the Work of that Section where the Work of a Section is allocated to more than one line item.
- C. The Schedule of Values shall be arranged in vertical columns identified with titles, including Names Of Items; Original Amounts, Percent Completed To Date; Previous Payments; Current Requests; and Balance Not Yet Requested. A summary of the total amount due to date and the amount of the five percent retained shall be included in the statement which shall be signed by the Construction Manager. A separate sheet shall be included with each requisition showing status of work covered by approved Change Orders. The Schedule of Values shall be revised if later found by the Architect to be inaccurate.
- D. In preparing the Schedule, each sub-division or classification of the Work shall be identified by code number referring to each individual Section (or Sub-Section where applicable) of the Specifications. The Schedule of Values shall be prepared in accordance with AIA Documents G702 and G703.
- E. Initial values will be recognized to be an accurate accounting of the value of the work. Upon request by the Architect, support values given with data that will substantiate their

correctness.

- F. Identify quantities of designated materials or materials stored on which payment is expected to be made.
- G. Use monthly submissions of Schedule of Values only as basis for Construction Manager's Application for Payment.

#### 1.6 PREPARING SCHEDULE OF VALUES

##### A. General Procedures:

- 1. Prepare Preliminary Schedule of Values for review by Architect and Owner's Project Manager.
- 2. Incorporate requested modifications to produce a Final Schedule of Values, which will become the basis for documenting the progress of the Work with each Application for Payment.
- 3. Update Final Schedule of Values as necessary to reflect changes in the Work.

B. Itemize separate line item cost for each of the general cost items as specified in this Section. Each line item must be \$50,000 or less unless the cost is for a single piece of equipment.

##### C. Breakdown installed costs into:

- 1. Delivered cost of product
- 2. Total installation cost, with overhead and profit.
- 3. Construction phase.
- 4. Note that the Owner is exempt from Sales and Use Tax for all materials incorporated into the Work.

on a case-by-case basis, SOV value might exceed these amounts which will be reviewed with Owner and OPM

D. For each line item which has installed value of more than \$20,000.00 breakdown costs to list major products, components, or operations under each line.

E. Sum of costs of all items listed in schedule shall be equal to total Contract Sum.

F. Each item shown on an Application for Payment Schedule of Values shall also appear on the CPM Schedule.

#### 1.7 LINE ITEMS FOR SCHEDULE OF VALUES

##### A. Work Covered in Division 1: Itemize separate line item cost for each of the following cost items:

- 1. Performance and Payment Bonds for Construction Manager and Trade contractors.
- 2. Field engineering; photographic documentation.
- 3. Coordination; project management.



4. Coordination drawings.
  5. Preparation of construction schedule and periodic updates.
    - a. If periodic updates of schedule are not performed in a timely manner, the amount shown on the Schedule of Values for this line item shall be forfeited.
  6. Weather protection; temporary fence.
  7. Temporary heat, water, power and lighting.
  8. Temporary office facilities; temporary sanitary facilities.
  9. Construction aids, including staging, scaffolding, shoring.
  10. Project sign.
  11. Indoor air quality provisions.
  12. Construction waste management.
  13. Cutting and patching.
  14. Final cleaning.
  15. Punchlist preparation and response.
  16. Maintenance of as-built documents for architectural and site work; preparation of close-out documents.
  17. Commissioning coordination activities.
  18. Overhead.
  19. Sustainable Design Provisions.
  20. Other items of work as requested by the Architect or Owner.
- B. Work Covered in Divisions 2 through 50: Provide at least one separate line item for each Section of the Specifications. Section line items shall be further subdivided into separate line items as follows:
1. Subdivide each line item into separate line items for individual floors of the project where applicable or in accordance with Owner's requirements and approved format.
  2. Identify material costs separately from labor costs.
  3. Provide separate line items for the following where applicable:
    - a. Submittals
    - b. Maintenance of as-built documents for mechanical and electrical work
    - c. Preparation of closeout documents
    - d. Operations and Maintenance Manuals;
    - e. Training
    - f. Attic stock.
    - g. Other items of work as requested by the Architect or Owner.
  4. For mechanical and electrical work, provide the following additional separate line items where applicable:
    - a. Commissioning coordination activities other than demonstration of FPT to the Commissioning Firm
    - b. Commissioning coordination activities associated with demonstration of FPT to the Commissioning Firm

5. For each line item which has installed value of more than \$20,000.00 break down costs to list major products, components, or operations under each line.

PART 2 - PRODUCTS [NOT USED]

PART 3 - EXECUTION [NOT USED]

END OF SECTION

SECTION 012500  
PAYMENT PROCEDURES

Entire section to be struck as payment procedure is governed by the owner agreement, GCs section VIII and we use AIA G702 and G703 for format. ~~If that is not agreed to, I will need to review entire section in detail.~~

PART 1 - GENERAL

Owner Agreement takes precedence

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.
- B. Related Requirements:
  - 1. Section 012200 - UNIT PRICES for administrative requirements governing the use of unit prices.
  - 2. Section 012600 - CONTRACT MODIFICATION PROCEDURES for administrative procedures for handling changes to the Contract.
  - 3. Section 013200 - CONSTRUCTION PROGRESS DOCUMENTATION "Construction Progress Documentation" for administrative requirements governing the preparation and submittal of the Contractor's construction schedule.

1.3 DEFINITIONS

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

1.4 SCHEDULE OF VALUES

CM has provided separate acceptable cost/resource analysis for Owner's use

- A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule. **Cost-loaded Critical Path Method Schedule may serve to satisfy requirements for the schedule of values.**
  - 1. **Coordinate line items in the schedule of values with items required to be indicated as separate activities in Contractor's construction schedule.**

2. Submit the schedule of values to Architect through Construction Manager at earliest possible date, but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
  3. Subschedules for Phased Work: Where the Work is separated into phases requiring separately phased payments, provide subschedules showing values coordinated with each phase of payment.
  4. Subschedules for Separate Elements of Work: Where the Contractor's construction schedule defines separate elements of the Work, provide subschedules showing values coordinated with each element.
  5. Subschedules for Separate Design Contracts: Where the Owner has retained design professionals under separate contracts who will each provide certification of payment requests, provide subschedules showing values coordinated with the scope of each design services contract, as described in Section 011000 - SUMMARY
- B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.
1. Identification: Include the following Project identification on the schedule of values:
    - a. Project name and location.
    - b. Name of Architect.
    - c. Architect's Project number.
    - d. Contractor's name and address.
    - e. Date of submittal.
  2. Arrange schedule of values consistent with format of AIA Document G703.
  3. Arrange the schedule of values in tabular form, with separate columns to indicate the following for each item listed:
    - a. Related Specification Section or Division.
    - b. Description of the Work.
    - c. Name of subcontractor.
    - d. Name of manufacturer or fabricator.
    - e. Name of supplier.
    - f. Change Orders (numbers) that affect value.
    - g. Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent. Round dollar amounts to whole dollars, with total equal to Contract Sum.
      - 1) Labor.
      - 2) Materials.
      - 3) Equipment.
  4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.
  5. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
    - a. Differentiate between items stored on-site and items stored off-site.
  6. Purchase Contracts: Provide a separate line item in the schedule of values for each purchase contract. Show line-item value of purchase contract. Indicate Owner payments or deposits, if any, and balance to be paid by Contractor.

7. Overhead Costs: Include total cost and proportionate share of general overhead and profit for each line item.
8. Closeout Costs. Include separate line items under Contractor and principal subcontracts for Project closeout requirements in an amount totaling five percent of the Contract Sum and subcontract amount.
9. **Schedule of Values Revisions: Revise the schedule of values when Change Orders or Construction Change Directives result in a change in the Contract Sum. Include at least one separate line item for each Change Order and Construction Change Directive**

to be reflected only under  
each Sub/Trade reqs

1.5 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments as certified by Architect and Construction Manager and paid for by Owner.
- B. Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.
- C. Payment Application Times: Submit Application for Payment to Architect by the last of the month. The period covered by each Application for Payment is one month, ending on the last day of the month.
  1. Submit draft copy of Application for Payment seven days prior to due date for review by Architect.
- D. Application for Payment Forms: Use AIA Document G702 and AIA Document G703 as form for Applications for Payment.
  1. Other Application for Payment forms proposed by the Contractor shall be acceptable to Architect, Construction Manager and Owner. Submit forms for approval with initial submittal of schedule of values.
- E. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Construction Manager will return incomplete applications without action.
  1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
  2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.
  3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
  4. Indicate separate amounts for work being carried out under Owner-requested project acceleration.
- F. **Tools and Equipment: All tools and equipment purchased for construction of the project and requisitioned for payment shall be tracked on a log indicating what was purchased, the cost, and the requisition number the payment is being made in. The log shall be included in any payment requisition that contains a request for payment for tools and equipment by the CM. Tools and equipment purchased for the project are to be turned**

**over to the Owner at completion, and accepted or discarded at that time pursuant to the Owner's discretion.**

- G. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment for stored materials.
  2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
  3. Provide summary documentation for stored materials indicating the following:
    - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
    - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
    - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.
- H. Transmittal: Submit **four** ~~three~~ signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.
1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- I. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from subcontractors, sub-subcontractors, and suppliers for construction period covered by the previous application.
1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
  2. When an application shows completion of an item, submit conditional final or full waivers.
  3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
  4. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
  5. Waiver Forms: Submit executed waivers of lien on forms acceptable to Owner.
- J. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
  2. Schedule of values.
  3. Contractor's construction schedule (preliminary if not final).
  4. Combined Contractor's construction schedule (preliminary if not final) incorporating Work of multiple contracts, with indication of acceptance of schedule by each Contractor.
  5. Products list (preliminary if not final).
  6. Sustainable design action plans, including preliminary project materials cost data.
  7. Schedule of unit prices.

8. Submittal schedule (preliminary if not final).
  9. List of Contractor's staff assignments.
  10. List of Contractor's principal consultants.
  11. Copies of building permits.
  12. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
  13. Initial progress report.
  14. Report of preconstruction conference.
  15. Certificates of insurance and insurance policies.
  16. Performance and payment bonds.
  17. Data needed to acquire Owner's insurance.
- K. Application for Payment at Substantial Completion: After Architect issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
  2. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
- L. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
  2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
  3. Updated final statement, accounting for final changes to the Contract Sum.
  4. AIA Document G706.
  5. AIA Document G706A.
  6. AIA Document G707.
  7. Evidence that claims have been settled.
  8. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.
  9. Final liquidated damages settlement statement.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

# Specification Section 012600a Change Order Form 15 Documents

Attached form is outdated  
and does not reflect the  
form that Skanska and Hill  
agreed to use on 9/24/19

acknowledged we  
will continue to  
use that  
version/template



Change Request #001

Skanska USA Building Inc.

**To:** Ray Masak  
 Project Manager  
 333 Washington Street, 6th Floor  
 Brookline, MA 02445

**Date:** 2/21/2019  
**Project #:**  
**Project:** Brookline High School Expansion Project

| Description:                  | Proposed Amount |
|-------------------------------|-----------------|
| <b>Item Description</b>       | <b>Amount</b>   |
| Item X                        | \$0.00          |
| Item Y                        | \$0.00          |
| Fee                           |                 |
| General Liability             | included above  |
| Payment and Performance Bonds | \$0.00          |
| <b>Total :</b>                | <b>\$0.00</b>   |

**Type:** Lump Sum  
**Schedule Impact:** This change will add X day(s) to the contract completion date.  
**Overtime:** Project OT (Is / Is Not) Required  
**Notes:**

---

**By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

|                 |                       |                  |  |     |                           |
|-----------------|-----------------------|------------------|--|-----|---------------------------|
| PROJECT NAME:   | Brookline High School | PROJECT NO.:     |  | CM: | Skanska USA Building Inc. |
| PCO NUMBER:     |                       | PCO DESCRIPTION: |  |     |                           |
| PCO DATE:       |                       |                  |  |     |                           |
| SKA PCO NUMBER: |                       |                  |  |     |                           |

**CONSTRUCTION MANAGER CHANGE REQUEST SUMMARY**

1. LABOR: CONSTRUCTION MANAGER'S SELF-PERFORMED WORK

| Trade            | Classification | Regular Hours Worked | Overtime (1.5x) Hours Worked | Double Time (2x) Hours Worked | These values shall be taken from the Rate Approval Sheet, after its approval by the CM. |                           |                              | Total Labor Cost |
|------------------|----------------|----------------------|------------------------------|-------------------------------|---|---------------------------|------------------------------|------------------|
|                  |                |                      |                              |                               | Regular Time Rate (Cost/hour)   | Overtime Rate (Cost/Hour) | Double Time Rate (Cost/Hour) |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
|                  |                |                      |                              |                               |   |                           |                              |                  |
| TOTAL LABOR COST |                |                      |                              |                               |   |                           |                              | \$0              |

2. MATERIALS: CONSTRUCTION MANAGER'S SELF PERFORMED WORK

| Material Description | Quantity | Unit | Cost per Unit | Total |
|----------------------|----------|------|---------------|-------|
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
|                      |          |      |               | 0     |
| TOTAL MATERIALS COST |          |      |               | \$0   |

|                 |                       |                  |  |     |                           |
|-----------------|-----------------------|------------------|--|-----|---------------------------|
| PROJECT NAME:   | Brookline High School | PROJECT NO.:     |  | CM: | Skanska USA Building Inc. |
| PCO NUMBER:     |                       | PCO DESCRIPTION: |  |     |                           |
| PCO DATE:       |                       |                  |  |     |                           |
| SKA PCO NUMBER: |                       |                  |  |     |                           |

**CONSTRUCTION MANAGER CHANGE REQUEST SUMMARY**

3. EQUIPMENT: CONSTRUCTION MANAGER'S SELF PERFORMED WORK

| Equipment Description | Qty | Unit | Cost Per Unit | Total |
|-----------------------|-----|------|---------------|-------|
|                       |     |      |               | 0     |
|                       |     |      |               | 0     |
|                       |     |      |               | 0     |
| TOTAL EQUIPMENT COST: |     |      |               | \$0   |

4. MISC. LUMP SUM SERVICES PROVIDED TO CONSTRUCTION MANAGER (POLICE DETAIL, UTILITIES, ETC.):

| Description of Miscellaneous Lump Sum Service | Total |
|---|-------|
|   |       |
|   |       |
| TOTAL MISC. LUMP SUM SERVICES COST:           |       |
|   | \$0   |

5. SUBTOTAL COSTS FOR CONSTRUCTION MANAGER LINE ITEMS 2., 3., AND 4. SUBTOTAL:

6. OVERHEAD AND PROFIT OF CONSTRUCTION MANAGER LINE ITEM 5:  
 Construction Manager permitted 10% of total actual cost of Item 5. 10% X Line 5:

7. TOTAL OF LINES 1., 5. & 6. FOR CONSTRUCTION MANAGER: TOTAL COST OF WORK SELF-PERFORMED BY C.M.

8. TOTAL COST OF WORK PERFORMED BY SUBCONTRACTORS: Total of line 11 costs for each attached subcontractor form

9. OVERHEAD AND PROFIT FOR SUBCONTRACTOR WORK: (5% Fee applied to line 8 above)

10. SUBTOTAL LINES 7., 8., AND 9.

11. CM PAYMENT AND PERFORMANCE BOND  x ITEM 10:

12. CM PAYMENT AND PERFORMANCE BOND  x ITEM 7:

13. TOTAL COST OF CHANGE ORDER TO OWNER

|   |                          |  |  |                                      |
|---|--------------------------|--|--|--------------------------------------|
| <b>PROJECT NAME:</b>                        | Brookline High School    | <b>PROJECT NO.:</b>  |  | <b>CM:</b> Skanska USA Building Inc. |
| <b>PCO NUMBER:</b>                          |                          | <b>PCO DESCRIPTION:</b>  |  |                                      |
| <b>PCO DATE:</b>                            |                          |  |  |                                      |
| <b>SKA PCO NUMBER:</b>                      |                          |  |  |                                      |
| <b>CHECK HERE IF SECOND-TIER SUB</b>        | <input type="checkbox"/> | FORMAT FOR SUBMISSION OF CHANGE ORDER<br>(Submit separate form for Subcontractor and each Sub-subcontractor) |  |                                      |
| <b>NAME OF FIRM SUBMITTING CHANGE ORDER</b> |                          |  |  |                                      |

1. LABOR: THIS SUBCONTRACTOR:  
Use only CM Approved Rates as established per the Laborer Rate Submission Form. Rates are inclusive of all overhead, profit, health, welfare, annuity and excess fringes.  
It is the Trade's responsibility to submit and maintain current Change Order Labor Rate Forms. All changes in previously approved rates shall be submitted for CM approval via an amended Labor Rate Submission Form prior to appearing on this sheet.

| Trade                   | Classification | Regular Hours Worked | Overtime (1.5x) Hours Worked | Double Time (2x) Hours Worked | These values shall be taken from the Rate Approval Sheet, |                           |                              | Fee Included in Hourly rate (from approval form) | Total Labor Cost |
|-------------------------|----------------|----------------------|------------------------------|-------------------------------|---|---------------------------|------------------------------|--|------------------|
|                         |                |                      |                              |                               | Regular Time Rate (Cost/hour)                             | Overtime Rate (Cost/Hour) | Double Time Rate (Cost/Hour) |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
|                         |                |                      |                              |                               |   |                           |                              |  |                  |
| <b>TOTAL LABOR COST</b> |                |                      |                              |                               |   |                           |                              |  | <b>\$0</b>       |

1.A TOTAL LABOR COST \$0  
FEE (INCLUDED IN LABOR COST ABOVE)  

2. MATERIALS: **THIS SUBCONTRACTOR:** (For extensive material lists, attached details backup and enter as a lump sum below)

| Material Description        | Quantity | Unit | Cost per Unit | Total      |
|-----------------------------|----------|------|---------------|------------|
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
|                             |          |      |               | 0          |
| <b>TOTAL MATERIALS COST</b> |          |      |               | <b>\$0</b> |

|   |                          |  |  |                                      |
|---|--------------------------|--|--|--------------------------------------|
| <b>PROJECT NAME:</b>                        | Brookline High School    | <b>PROJECT NO.:</b>  |  | <b>CM:</b> Skanska USA Building Inc. |
| <b>PCO NUMBER:</b>                          |                          | <b>PCO DESCRIPTION:</b>  |  |                                      |
| <b>PCO DATE:</b>                            |                          |  |  |                                      |
| <b>SDC PCO NUMBER:</b>                      |                          |  |  |                                      |
| <b>CHECK HERE IF SECOND-TIER SUB</b>        | <input type="checkbox"/> | FORMAT FOR SUBMISSION OF CHANGE ORDER<br>(Submit separate form for Subcontractor and each Sub-subcontractor) |  |                                      |
| <b>NAME OF FIRM SUBMITTING CHANGE ORDER</b> |                          |  |  |                                      |

3. EQUIPMENT: **SUBCONTRACTOR:** (For extensive equipment lists, attach detailed backup and enter as a lump sum below):

| Equipment Description        | Qty | Unit | Cost Per Unit | Total      |
|------------------------------|-----|------|---------------|------------|
|                              |     |      |               | 0          |
|                              |     |      |               | 0          |
|                              |     |      |               | 0          |
| <b>TOTAL EQUIPMENT COST:</b> |     |      |               | <b>\$0</b> |

4. MISC. LUMP SUM SERVICES PROVIDED TO **THIS SUBCONTRACTOR** (POLICE DETAIL, UTILITIES, ETC.):

| Description of Miscellaneous Lump Sum Service | Total |
|---|-------|
|   |       |
|   |       |
| <b>TOTAL MISC. LUMP SUM SERVICES COST:</b>    |       |
| <b>\$0</b>                                    |       |

5. **SUBTOTAL COSTS FOR THIS SUBCONTRACTOR LINE ITEMS 2., 3., AND 4.** **SUBTOTAL:**

6. **OVERHEAD AND PROFIT OF THIS SUBCONTRACTOR LINE ITEM 5:** 10% X Line 5:   
 Construction Manager permitted 10% of total actual cost of Item 5.

7. **TOTAL OF LINES 1., 5. & 6. FOR THIS SUBCONTRACTOR:** TAL COST OF WORK SELF-PERFORMED BY THIS SUBCONTRACTOR:

8. **TOTAL COST OF WORK PERFORMED BY LOWER TIER SUBCONTRACTORS:** of line 11 costs for each attached Second\_Tier subcontractor form

9. **OVERHEAD AND PROFIT FOR LOWER TIER SUBCONTRACTOR WORK:** (5% Fee applied to line 8 above)   
 The total of all Subcontractor and Lower-Tier Subcontractor markups may not exceed an aggregate 15% of Cost of Work, regardless of the number of tiers involved.

10. **ACTUAL PREMIUM PAID FOR BOND** (enter approved rate as a percentage)  x ITEM 7:

11. **TOTAL COST OF WORK DUE SUBCONTRACTOR, including bond cost**

NOTE: ALL change order proposals and invoices from the SUBCONTRACTOR must include a cover letter on company letterhead identifying the PCO number, a description of the scope of work, and total cost of the proposed change

**LABOR RATE SUBMISSION FORM**

This form must be completed, submitted and approved prior to the submission of any change order price proposals. Complete the below for every Trade and Classification that is likely to work the project. If any contractor seeks to utilize a total hourly wage rate (wages plus benefits) for change order pricing that is in excess of the applicable published prevailing wage rate, then this form must be completed, submitted (with backup documentation - i.e. union agreement) and approved prior to the submission of any change order price proposals. The information supplied below must be consistent with certified payroll submissions. SUBCONTRACTOR TO FILL OUT ONLY THE BLANK BOXES.

| DIRECT LABOR COSTS   | SUBCONTRACTOR PROPOSED RATES FOR APPROVAL           |   |   |   |   |   |
|--|---|---|---|---|---|---|
| Trade Description/Classification<br>(Carpenter, Pipefitter, Electrician, etc.) | Classification<br>(Foreman, Journeyman, Apprentice) | Classification<br>(Foreman, Journeyman, Apprentice) | Classification<br>(Foreman, Journeyman, Apprentice) | Classification<br>(Foreman, Journeyman, Apprentice) | Classification<br>(Foreman, Journeyman, Apprentice) | Classification<br>(Foreman, Journeyman, Apprentice) |
| Prevailing Wage Rate   |   |   |   |   |   |   |
| Hourly Base Wage Rate  |   |   |   |   |   |   |
| Health & Welfare   | +   |   |   |   |   |   |
| Pension/Annuity  | +   |   |   |   |   |   |
| <b>Direct Hourly Labor Cost</b>  | =   | 0   | 0   | 0   | 0   | 0   |
| A  |   |   |   |   |   |   |
| Workmen's Compensation Insurance   |   |   |   |   |   |   |
| Liability Insurance  |   |   |   |   |   |   |
| Federal Social Security  |   |   |   |   |   |   |
| Massachusetts Unemployment Compensation  |   |   |   |   |   |   |
| Subtotal   | =   | 0   | 0   | 0   | 0   | 0   |
| or   |   |   |   |   |   |   |
| B  |   |   |   |   |   |   |
| 30% of Hourly Base Wage Rate   |   | 0   | 0   | 0   | 0   | 0   |
| OHP = 10% of Direct Hourly Labor Cost  |   | 0   | 0   | 0   | 0   | 0   |
| Excess Fringes   |   |   |   |   |   |   |
| <b>Total Hourly Labor Cost (with A)</b>  |   | 0   | 0   | 0   | 0   | 0   |
| <b>Total Hour Labor Cost (with B)</b>  |   | 0   | 0   | 0   | 0   | 0   |

NOTES:  
 >Contractor may utilize rate of 30% for insurance/taxes without providing documentation. If a rate in excess of 30% is requested, documentation must be provided and only the four items listed above may be included.  
 >Attached all relevant supporting documentation such as union wage rate sheets, insurance carrier verification letters, workers compensation rate tables, etc  
 >Excess fringes are the actual direct additional premium costs and expenses incurred as results of collective bargaining agreements or other agreements between organized labor and employers (apprentice training, education fund, legal, travel, etc.) If any dollar value is claimed under Excess Fringes, provide all necessary supporting documentation. Note that the following benefits are explicitly not allowed: Tools of the Trade.

**Exclude: See CM Agreement**

SECTION 012600

CONTRACT MODIFICATION PROCEDURES

Entire section to be struck  
as change procedure is  
governed by the owner  
agreement, GCs section  
VII

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing Contract modifications.
- B. Related Requirements:
  - 1. Section 013300 - SUBSTITUTION PROCEDURES for administrative procedures for handling requests for substitutions made after the Contract award.

1.3 **MINOR CHANGES IN THE WORK**

- A. **Architect will issue through Construction Manager supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on AIA Document G710.**

1.4 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Construction Manager will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
  - 1. Work Change Proposal Requests issued by Construction Manager are not instructions either to stop work in progress or to execute the proposed change.
  - 2. Within time specified in Proposal Request after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.

- a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
  - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  - c. Include costs of labor and supervision directly attributable to the change.
  - d. **Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.**
  - e. Quotation Form: Use forms acceptable to Architect.
- B. Contractor-Initiated Proposals: If latent or changed conditions require modifications to the Contract, Contractor may initiate a claim by submitting a request for a change to Architect.
1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
  2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
  3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  4. Include costs of labor and supervision directly attributable to the change.
  5. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
  6. Comply with requirements in Section 012500 "Substitution Procedures" if the proposed change requires substitution of one product or system for product or system specified.
  7. Proposal Request Form: Use form acceptable to Architect.
- 1.5 ADMINISTRATIVE CHANGE ORDERS
- A. Unit-Price Adjustment: See Section 012200 - UNIT PRICES for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect measured scope of unit-price work.
- 1.6 CHANGE ORDER PROCEDURES
- A. On Owner's approval of a Work Change Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on AIA Document G701CMA.
- 1.7 CONSTRUCTION CHANGE DIRECTIVE
- A. Construction Change Directive: Architect may issue a Construction Change Directive on AIA Document G714CMA. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.



1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
  
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.
  1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 013300  
SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Submittal schedule
  - 2. Product data
  - 3. Shop drawings
  - 4. Samples
  - 5. Colors and finishes
  - 6. Calculations
  - 7. Informational submittals
  - 8. Action on submittals.
  - 9. Substitution requests.
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Availability and restrictions for use of electronic copies of Contract Document: Section 011400 – Work Restrictions.
  - 2. Specific requirements for submittal of construction schedules: Section 013200 Construction Progress Documentation.
  - 3. Specific requirements for submittal of schedule of values: Section 012400 – Schedule of Values.
  - 4. Requirements for submittal of coordination drawings: Section 013100 – Project Management and Coordination.
  - 5. Submittal of final record drawings and other documents: Section 017839 – Project Record Documents.
  - 6. Submittal of product and procedural documentation: Section 018110 - Sustainable Design Requirements; 018119-Indoor Air Quality Requirements.
  - 7. Waste management documentation: Section 017400 – Cleaning and Waste Management.

### 1.3 DEFINITIONS

- A. Action Submittals: Written and graphic information that requires Architect's responsive action. Action submittals include product data, shop drawings and samples.
- B. Informational Submittals: Written information that does not require Architect's responsive action. Submittals of this kind may be required by the Architect to confirm the Construction Manager's compliance with submittal requirements. Submittals may be rejected for not complying with requirements. Informational submittals include calculations and other informational submittals described in this Section.
- C. Substitutions: Changes in products, materials, equipment and methods of construction from those required by the Contract Documents, as proposed by the Construction Manager and not considered "or equal".
- D. Or equal: Construction Manager proposed products, materials, and equipment that comply with specified material and performance requirements, but are not one of the named manufacturer's, suppliers, and distributors. Equal products, materials, and equipment shall identically match the physical appearance of specified items.

### 1.4 SUBMITTALS

#### A. Submittal Schedule:

- 1. Within 45 days after signing the Agreement, to be submitted with the CPM Schedule, prepare and submit for the Architect's approval a schedule of Shop Drawings, Product Data and Samples required to be submitted for the Work.
  - a. The schedule shall indicate by trade the date by which final approval of each item must be obtained, and shall be revised as required by conditions of work, subject to the Architect's approval.
  - b. The schedule shall be derived from the Construction Manager's CPM Schedule, but shall be submitted as a separate document, in addition to being part of the CPM line items.
- 2. The Architect's review, including Consultant's review period, will not exceed 21 calendar days from the date on which the Architect receives the submission or the date that is provided on the Construction Manager's submittal schedule, whichever is the latest. Construction Manager shall strictly adhere to the established dates set forth by the Schedule of Submittals specified above in paragraph 2.01 A. On a weekly basis, the Construction Manager is responsible for identifying, in writing, priority submissions to assist the Architect in facilitating an efficient review process that is in accordance with the Construction Manager's CPM schedule.
- 3. Each submittal shall be made no later than 60 calendar days prior to the time that the CPM shows requirement for incorporation of the item into the Work, or earlier under the following conditions:
  - a. As required to furnish and deliver to the site the specific item or items required, with sufficient time to allow proper examination and review of such submittals.
  - b. If the item in question is to be incorporated in the work prior to the expiration of 60 calendar days from the time of execution of the Contract, the aforesaid written notice shall be submitted to the Architect immediately following the execution of the

As needed to meet schedule requirements for manufacture and delivery for install dates, and subject to release dates of approved RTA's and GMP from the Owner.

- Contract.
- c. Substitutions/ Or Equal: Each request for a substitution shall be made no later than 90 calendar days prior to the time for incorporation of the item into the Work.
4. No item, material, article, system or piece of equipment requiring approval of the Architect shall be ordered or installed until such approval has been obtained.
- B. Product List for Color Selection: To facilitate the preparation of the color schedule, the Construction Manager shall, along with the CPM, submit within forty-five (45) calendar days following signing the Agreement, unless otherwise extended by the Architect, a list of the names of the manufacturers whose products he proposes to use.
1. List products for which color, finish, pattern, texture, or other related information is a consideration, including, but not limited to the following:
    - a. Exterior materials: Face brick; metal wall panels and siding; exterior concrete masonry units; factory-finished metal siding; factory finish for doors, windows and louvers; and curtain wall.
    - b. Millwork and Casework finishes: Solid and veneer wood with transparent finish; plastic laminate; solid surfacing.
    - c. Wood door finishes.
    - d. Acoustic wall panels.
    - e. Interior finishes: Ceramic tile, acoustical ceiling tile, resilient flooring, carpet, paint.
    - f. Specialties available in a choice of colors: Toilet partitions; lockers; operable panel finishes.
    - g. Other items for which the above properties affect the design.
  2. Products listed shall be as specified, unless substitution has been approved.
- C. Substitution and Or Equal Requests: Submit ~~three copies~~<sup>electronic</sup> of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
1. Substitution and Or Equal Request Form: Use facsimile of form provided at end of Section.
  2. Documentation: Show compliance with requirements for substitutions listed on the Substitution / Or Equal Request form, and additional requirements as may be requested by the Architect or as otherwise applicable. Submit specified product or system and clearly demonstrate in a side-by-side comparison the similarities and differences between the specified and proposed Substitution or Or Equal product or system. Absent this documentation, the request will not be reviewed by the Architect and be sent back rejected.
- D. Product Data, Shop Drawings, Samples, Schedules and other Submittals: Refer to individual Specification Sections for submittals required.
- E. ~~Confirmation of contract between Construction Manager and printing company for reproduction of shop drawings as specified in this Section.~~

PART 2 - PRODUCTS

2.1 SUBMITTAL PREPARATION, GENERAL

We use  
Skanska's  
transmittal from  
Procore

- A. Preparation of Submittals: To receive consideration by the Architect, each submittal shall be accompanied with the Submittal Transmittal Form ~~at the end of this section.~~
1. Submittal packages shall contain all required information in accordance with the submittal requirements of each specification section. Incomplete submittals will be returned without review.
- B. Each submittal cover sheet shall contain a clear space approximately 80 square inches for stamps and Architect's comments. Each drawing shall contain a similar space as an additional border on the right or bottom.
1. Include Product Data / **Sustainability Attributes Reporting** Form if applicable for reporting of required sustainable documentation as required. See each specification section.
- C. Distribution:
1. **CM shall electronically deliver submittals to the Architect and its consultants, OPM, Clerk, and CxA (when applicable) in a format acceptable to the Architect.** ~~via procore~~
  2. ~~(For submittals that are 11x17 and larger) simultaneously, CM shall deliver 1 hard copy print each to the Architect and its consultants and one hard copy print to the clerk.~~ via procore
  3. Architect and consultants will review submittals, and the Architect will post reviewed submittals on web-based file transfer service ~~specified herein.~~ via procore
  4. CM is responsible for distribution to all trades.
  5. CM to deliver 1 ~~hard~~ copy of "Reviewed" and "Approved and Furnish as Corrected" submittals to Clerk. via procore
  6. Drawings submitted directly from Subcontractors, manufacturers or vendors, or directly to the Architect's consultants, will be returned to the Construction Manager without action.
- D. Web-Based Construction Administration Database:
1. For the entire Construction Period Construction Manager shall provide, manage and maintain a High-Band Width Electronic File Transfer Service that is accessible via the Internet by a Web Browser such as Internet Explorer or Mozilla Fire Fox. The Construction Manager shall process submittals electronically, through one of the three following web-based construction administration database services:
    - a. Prolog Converge.
    - b. Submittal Exchange.
    - c. Newforma.
    - d. Procore.
    - e. Or equal.
  2. The Construction Manager shall provide licensed seats/access to, and training on said database, for all of the Architect's, Architect's Consultant's and OPM's CA Team Members, to facilitate electronic transmittal of all of Construction Documentation including, but not limited to Project submittals, RFI's and Change Order Requests, Architect Directives, Sketches, Meeting Minutes, and Architect Field Reports.
  3. All of the Project documentation compiled in this CA database, shall be made completely accessible to the Architect & Owner, for the entire duration of the Project, and then be submitted (in PDF form) to, and become the property of the Owner, similar to all other Closeout documentation related to this Project.

Sustainability reports may not be concurrent with initial submittals. Architect is responsible to only specify compliant products, so this should not be an issue.

## 2.2 PRODUCT DATA

- A. Manufacturers' Product Literature: For standard manufactured items, submit manufacturer's catalog sheets with illustrated cuts of the items to be furnished.
  - 1. Include scale details, sizes, dimensions, performance characteristics, capacities and other pertinent information.
  - 2. Each submittal of product data shall be accompanied by an appropriate transmittal form with specific reference to the applicable paragraph in the Specifications.
  - 3. Indicate clearly on such printed matter which of several items is being submitted for approval.
- B. Sustainable Submittals: For products requiring sustainable attributes as described in 018110 or other related sections; include recycled content percentage (both pre-consumer and post-consumer), proof of relevant indoor air quality certifications as required by LEED, and proof of FSC certification when applicable.
- C. If catalog cuts of standard manufactured items show different types, options, finishes, performance requirements, or other variations, those features that the Construction Manager proposes to furnish shall be clearly circled or otherwise indicated, and all irrelevant diagrams, notes, or other information deleted or canceled.
  - 1. If any variations from the catalog description are proposed or required, such variations shall be clearly noted on the cut by the Construction Manager.
  - 2. Wiring diagrams shall be produced to address specific project requirements. Catalog cuts of wiring diagrams will not be acceptable.

## 2.3 SHOP DRAWINGS

- A. The Construction Manager shall prepare shop drawings showing such features as required by the Technical Specifications Sections, to demonstrate an understanding of the particular conditions unique to this Project.
  - 1. Prepare shop drawings at a scale of at least twice the scale of contract drawings showing the same work.
  - 2. Reproduction of Contract Documents in any form will not be accepted for use as Shop Drawings, unless specifically allowed in writing by the Architect for a particular portion of the Work.
  - 3. Refer to Section 011400 –WORK RESTRICTIONS for permissible use of electronic documents for the purpose of preparation of shop drawings. Use of Project Electronic Files for shop drawing preparation will be subject to the requirements specified in that Section.
- B. Shop Drawings related to various units comprising a proposed assembly shall be submitted simultaneously so that such units may be checked individually and as an assembly.
- C. Each drawing shall have a clear space approximately 80 square inches as an additional border on the right or bottom for stamps and Architect's comments.
- D. Shop Drawings shall clearly indicate all details, sectional views, arrangements, working and erection dimensions, kinds and quality of materials and their finishes, and other information

necessary for proper checking and for fabrication and installation of the items, and shall include all information required for making connections to other work and/or adjacent materials.

- E. If any information on previously submitted Shop Drawings, aside from notations made by the Architect is revised in any way, such revision shall be circled or otherwise graphically brought to the Architect's attention. If approved Drawings are subsequently revised, they shall be resubmitted to the Architect with all revisions clearly marked for the Architect's attention. Whenever drawings are revised, the latest revisions shall be circled or otherwise indicated to distinguish them clearly from all previous revisions (and from the information on the original drawing).

## 2.4 SAMPLES

- A. Submit samples as required under the various Sections of the Specifications. Each sample shall be accompanied by a transmittal and cover sheet as required for all submittals.
- B. Before submitting samples, consult with Architect to determine whether samples are to be submitted to Architect's office, field, or other location.
- C. Samples shall be submitted in triplicate, with a fourth sample to be submitted to the Clerk for Owner review, unless otherwise specified or directed by the Architect.
- D. Samples may be submitted to Architect directly from manufacturers, vendors, suppliers, Subcontractors, or others, but a separate transmittal letter shall be submitted through the Construction Manager in each such case.
- E. Approved samples of major or expensive items or assemblies, if in good condition and meeting all requirements of the Contract, may be properly marked for identification and used in the Work, provided that all shipping and handling charges are paid by the Construction Manager.
- F. Each sample shall have a label indicating the material represented, its place of origin, and the names of the producer, the Architect, the Construction Manager, the Subcontractor and the building or Work for which the material is intended. Samples shall be marked to indicate the Drawing numbers or Specification Paragraph requiring the materials represented.
- G. Approval of samples for color, texture, and other aesthetic qualities shall not be construed as approval of other characteristics.
- H. Approved samples, unless specifically stated by the Construction Manager as slated for incorporation in the Work, will be kept on file (and accessible for inspection) by the Architect until Final Acceptance of the Project. Any sample not reclaimed by the Construction Manager within thirty (30) days after Substantial Completion of the Project will be considered unclaimed material, and may be disposed of by the Architect.

## 2.5 COLORS AND FINISHES

- A. The Architect will prepare a master color schedule indicating the required color, finish, pattern, material, texture, and other pertinent information in connection with interior and

Current  
schedule does  
not have this  
time built in. It  
could be added.

exterior finishes.

- B. ~~Color chips shall be submitted for all items having color, unless otherwise directed or approved by the Architect. Upon the expiration of such 45-day period, the Architect will proceed with color selection and preparation of final color schedule.~~
- C. ~~The Architect will select the colors and finishes of a manufacturer within the framework of the Specifications, for each item where the Construction Manager fails to submit the name of a specific manufacturer within the allotted time, and the Construction Manager shall provide such materials without additional compensation.~~

## 2.6 CALCULATIONS

- A. Calculations Based on Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Construction Manager by the Contract Documents, submit calculations demonstrating that products and systems comply with specific performance and design criteria indicated.
  - 1. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.
- B. Certification: In addition to Shop Drawings, Product Data, and other required submittals, submit three copies of a statement, signed and sealed by the responsible design professional, for each product and system specifically assigned to Construction Manager to be designed or certified by a design professional.
  - 1. Indicate that products and systems comply with performance and design criteria in the Contract Documents.
  - 2. Include list of codes, loads, and other factors used in performing these services

## 2.7 INFORMATIONAL SUBMITTALS

- A. General: Informational submittals comprise written information that does not require Architect's responsive action.
- B. Informational submittals required for the Work include, but are not limited to, the following:
  - 1. Calculations for Construction Manager-engineered work, as specified in particular specification sections in Divisions 2 through 50.
  - 2. Research/evaluation reports and test data as specified in particular specification sections in Divisions 2 through 50.
  - 3. Certifications and other qualification data, as specified in particular specification sections in Divisions 2 through 50.
  - 4. Maintenance data, as specified in particular specification sections in Divisions 2 through 50.
  - 5. Confirmation of contract with printing company as specified in this Section.



## 2.8 SUBMITTAL REQUIREMENTS FOR COMMISSIONING

### A. Submittals:

1. Submit digital copy of applicable submittals for equipment to be commissioned to Commissioning Authority (CxA).
2. CxA will review and approve submittals applicable to systems being commissioned for compliance with commissioning needs, concurrent with Architect's and Construction Manager's review.
3. ~~Provide copy of the Design Team's review comments to the CxA.~~ By WRA
4. Repeat this process for any resubmissions.

### B. Data for Commissioning: The following information shall be included in all submittals of commissioned equipment and systems.

Can be provided by subs, but all of this will not be provided with initial product data and shop drawings for approval

1. Detailed manufacturer's installation and start-up procedures.
2. Operating, troubleshooting, and maintenance procedures.
3. Fan and pump curves.
4. Full warranty information, with responsibilities of Owner to keep warranty in force clearly defined.
5. Installation and checkout materials actually shipped inside equipment and actual field checkout sheet forms to be used by factory or field technicians.

### C. CxA will request specific information needed about each piece of commissioned equipment or system. Information requested includes, but is not limited to:

1. Full details of Owner-contracted tests, if any.
2. Full factory testing reports, if any.

### D. CxA may request additional documentation necessary for commissioning process. Requests by CxA may precede, be concurrent with, or follow normal submittals.

### E. Construction Manager's responsibility for deviations in submittals from requirements of Contract Documents is not relieved by CxA's review.

## PART 3 - EXECUTION

### 3.1 CONSTRUCTION MANAGER ACTION ON SUBMITTALS

- A. Should the Architect in checking shop drawings or other submittals make changes which the Construction Manager deems will increase the Contract Price, the **Architect shall issue a Proposal Request, Construction Change Directive, or Field Order to provide notice of the change and revise the contract documents accordingly. The Construction Manager shall respond to the change in accordance with the General Conditions of their Agreement.** ~~Construction Manager shall so inform the Architect and OPM in writing within fourteen (14) calendar days following receipt of the checked submittals and prior to starting fabrication of the item or items. Failing this, the Construction Manager shall be deemed to have waived all claims for extra compensation for the work involved.~~

- B. Notes or other information on submittals that are contrary to provisions of the Contract

Documents shall be deemed to be addressed to the applicable Construction Manager, Subcontractor, material supplier or other parties involved, and shall have no force or effect with respect to this Contract, even though the Shop Drawing or Sample involved is approved by the Architect. In particular the terms "By Others", "N.I.C." or words of similar meaning and import on submissions shall not be deemed to imply that the referenced items are to be omitted from this Contract.

- C. The Construction Manager shall obtain and distribute copies of approved Shop Drawings and other Submittals to his subcontractors and material suppliers needing such information, at no additional cost to the Owner.
- D. The Construction Manager shall keep on the site, in good order, a complete up-to-date set of all approved Shop Drawings and other Submittals. *Electronic only via procore*
- E. Construction Manager shall assume full liability for delay attributed to insufficient time for delivery and/or installation of material or performance of the Work when approval of pertinent Shop Drawings is withheld due to failure of the Construction Manager to submit, revise, or resubmit Shop Drawings in adequate time to allow the Architect reasonable time, not to exceed ~~twenty-one (21)~~ <sup>14</sup> calendar days for normal checking and processing of each submission and resubmission. The Architect will not be limited to twenty-one (21) calendar days when the Submittal Schedule has not been submitted or is not current.

### 3.2 ARCHITECT ACTION ON SUBMITTALS

- A. Product Data and Shop Drawings: After reviewing product data submittals, the Architect will mark each submittal with one of the following responses
  - 1. The Architect will annotate all submittals digitally, applying a stamp including the following information: "Reviewed as required by the Construction Contract Documents and approved, but only for conformance to the design concept of the Work, and subject to further limitations and requirements contained in the Contract Documents."
  - 2. "Rejected". A digital copy of Rejected submittals will be uploaded into the CA Database. Rejected submittals shall be resubmitted in the same manner until approval is obtained.
  - 3. The stamp will also contain notes indicating possible actions, namely; "rejected"; "revise and resubmit"; and "furnish as corrected". Architect will check one of the actions.
  - 4. Corrections or comments made on the submittals during this review shall not relieve Construction Manager from compliance with requirements of the Contract Drawings and Specifications. This check is only for review of general conformance with the design concept of and general conformance with the information given in the Contract Documents. The Construction Manager is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.
  - 5. For all Submittals, the Construction Manager will have ~~prints made~~ from the annotated digital submittals at the Construction Manager's expense. Such prints shall be used for record purposes and for comparison with subsequent resubmissions. One will be retained by the Architect, and one furnished to the applicable consultants. Such procedures shall be followed until the Shop Drawing is marked "Furnish as Corrected", or "Reviewed as required by the Construction Contract Documents and approved, but only for conformance to the design concept of the work, and subject to further limitations and requirements contained in the Contract Documents."

*Electronic  
documentati  
on only*

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6. Submittals marked "Furnish as Corrected" shall be treated in the same manner as Drawings marked "Reviewed as required by the Construction Contract Documents...and requirements contained in the Contract Documents." The Architect's comments shall be considered part of the original Drawings. Should the Construction Manager disagree with such comments, he shall so notify the Architect in writing within fourteen (14) days after receipt of such Drawings and before commencing work on the items in question. Failing this, the Construction Manager shall be deemed to have accepted full responsibility for implementing such comments at no additional cost to the Owner.
7. For documents with the comment "Reviewed as required by the Construction Contract Documents..." or "Furnish as Corrected", the Construction Manager will have made at the Construction Manager's expense, four (4) prints of the corrected original for the Architect's and Owner's use.

B. Informational Submittals: Architect will review each informational submittal and will review it for general compliance with submittal requirements

1. Architect will process and digitally distribute each informational submittal as for other submittals.
2. Compliant informational submittals will be marked "Reviewed" and a stamped digital copy will be distributed to Owner's Project Manager, Clerk of the Works and Construction Manager.
3. Informational submittals that do not comply with submittal requirements specified herein and in the section whose work they cover will be returned "rejected". Re-submittal will be required.

3.3 SUBSTITUTIONS/ OR EQUALS

A. Conditions: Architect will consider Construction Manager's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:

1. Substitution is requested by completing a copy of Form 013301 – SUBSTITUTION / OR EQUAL REQUEST FORM, attached to the end of this Section.
2. Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Architect for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
3. Requested substitution/ or equal does not require extensive revisions to the Contract Documents.
4. Requested substitution is consistent with the Contract Documents and will produce indicated results.
5. Substitution request is fully documented and properly submitted.
6. Requested substitution will not adversely affect Construction Manager's Construction Schedule.
7. Requested substitution has received necessary approvals of authorities having jurisdiction.
8. Requested substitution is compatible with other portions of the Work.
9. Requested substitution has been coordinated with other portions of the Work.
10. Requested substitution provides specified warranty.

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11. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.
  12. Requested substitution does not affect LEED v4 requirements.
  13. Any additional cost, or any loss or damage arising from the substitution of any material or any method for those originally specified shall be borne by the contractor, notwithstanding approval or acceptance of such substitution by the Owner or Architect.
- B. Architect's Action: Architect will request additional information or documentation for evaluation within 7 calendar days of receipt of a request for substitution. Architect will notify Construction Manager of acceptance or rejection of proposed substitution within ~~21~~ 14 calendar days of receipt of request, or 7 calendar days of receipt of additional information or documentation, whichever is later.
1. Use product specified if Architect cannot make a decision on use of a proposed substitution within time allocated.
- C. Review of Substitution / Or Equal Requests: The Architect will review Substitution Requests that are submitted in accordance with the requirements of this section, and are shown to be of benefit to the Project.
- D. Form of Acceptance of Substitution: Change Order

END OF SECTION

SECTION 013100

PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Responsibility for coordination of the Work.
  - 2. Surveying and engineering.
  - 3. Coordination Drawings.
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Survey information available to bidders: Section 003100 – AVAILABLE PROJECT INFORMATION.
  - 2. General requirements for submittals: Section 013300 – SUBMITTAL PROCEDURES.

N/A doesn't exist

1.3 SUBMITTALS

- A. Prepare and submit documentation in accordance with Section 013300 – SUBMITTAL PROCEDURES.
- B. Drawings:
  - 1. Survey of vertical floor for each floor level of the 1913 Building to remain following the selective demolition work and prior to any new work.
  - 2. Survey of base plate elevations and anchor bolt locations.
  - 3. Survey of as-built conditions: Certified survey showing all as-built dimensions, locations, angles and elevations of construction, to be submitted at Substantial Completion of the Work.
  - 4. Survey of location and elevations of tiebacks left on-site.
  - 5. Coordination Drawings as described in this Section.
- C. Certifications required for Work described in this Section:

This service/survey was not included within the Survey RTA or GMP as Div. 1 was excluded at the time, can be added as an additional service if required, or final survey by Owner.

1. ~~Field Engineering: Submit name and address of surveyor and professional engineer to Architect.~~

Hired lowest qualified  
bidder per Owner  
agreement and OPM  
authorization

#### 1.4 COORDINATION

- A. General: The Construction Manager shall be responsible for the proper fitting of all work and the coordination of the operations of all trades, Subcontractors, material installers and equipment engaged upon the Work. He shall perform or cause Subcontractors to perform all cutting, fitting, adjusting and patching necessary to make the several parts of the Work come together properly and to fit the Work to receive or be received by that of other contractors.
- B. Project Supervision: The Construction Manager shall give his personal supervision to the Work and shall assign site staff for the Project as stipulated in the Agreement between the Owner and Construction Manager.
- C. Coordination with Subcontractors: The Construction Manager shall be in charge of the entire Work and shall be responsible for the prompt coordination of all trades, including his own forces and his various Subcontractors, and shall become fully familiar with all work required under the Contract.
  1. The above notwithstanding, each Subcontractor shall assume responsibility for the correctness and adequacy of his work. Each Subcontractor shall be responsible for and pay for all damage done by his work and his workers.
  2. No Subcontractor shall be permitted on the site without the Superintendent present to supervise the Work.
- D. Care shall be given to the proper scheduling, delivery, and installation of items to be built into rough construction which will affect the latter portions of the Work, such as anchors, pipe sleeves, inserts, conduit, pipes, lugs, clips, brackets, braces, hangers, bolts, miscellaneous metal, and similar items. These items are not necessarily specified under the trade Section under which they are to be installed. The Construction Manager shall ascertain that all are properly installed in their correct locations at the proper time, so as to prevent cutting and patching of finished work.
- E. The Construction Manager shall be fully responsible for coordination of general construction work with that of Subcontractors for PLUMBING, ELECTRICAL, HEATING AND VENTILATING and all other specialized trades. He shall investigate, together with the Subcontractors involved, the routing of pipe, ductwork, and conduit with particular attention to interference of structural members, other pipes, ducts, and conduit cuts, headroom conditions, door and window openings and swings, pipe chases, and similar features of the building which may affect installation and proper functioning of such items.
- F. Changes in design locations which may be necessary in the routing of pipes and ducts, or in the location of any mechanical, electrical or other equipment or in the location of other building elements, shall be anticipated and made prior to installation. Additional compensation will not be allowed for costs incurred as a result of the Construction Manager's failure to anticipate the necessity for such changes.
- G. There shall be no change or variation in ceiling height, wall layout, shaft, chase, furring or other dimensions shown on Drawings without the specific written approval of the Architect.

- H. The Construction Manager's responsibility for the coordination of all work under the Contract shall be complete, and shall extend to all modifications in the Work, whether or not such modifications entail a change in the Contract Price. Where the Contract Documents allow an optional material or method of performing a portion of the Work, or where the Construction Manager is ultimately allowed or directed to perform a part of the Work using a substitute material or method, the Construction Manager shall provide all other coordination and additional work that such change necessitates, without any additional cost to the Owner.

#### 1.5 SURVEYING AND ENGINEERING, GENERAL

No, done by hired consultant, not employee of CM

- A. The Construction Manager shall employ a project engineer who is a qualified land surveyor registered to practice in the State the project is located in, who shall establish and maintain grades and levels and permanent bench marks. **In addition, the Construction Manager shall designate one person from within his organization, with engineering experience, who shall do the usual engineering work required, including leveling, checking, and verifying wall and partition lines, elevations, and other like items.**

Exclude all of B and C. We hired surveyor for layout of new buildings, not to check existing conditions.

- B. Prior to commencement of any excavation or filling work on the site, the project engineer shall check locations of all structures and other fixed items with regard to property lines and other existing conditions. **The Construction Manager shall be fully responsible for reporting to the Architect discrepancies between the dimensions and/or locations indicated on the Contract Drawings and those as they actually exist on the site.**

- C. **After verification of all dimensions and locations, the Construction Manager shall submit to the Architect such verification in written form bearing the professional stamp of the surveyor. Failure to do so shall mean that the Construction Manager assumes responsibility for all corrective measures required at no addition to the Contract amount.**

- D. **The Construction Manager shall lay out the Work and shall be responsible for all lines, elevations, and measurements of the building, grading, paving and other work under the Contract. He shall exercise proper precaution to verify the dimensions shown on the Drawings before laying out the Work and will be held responsible for any error resulting from his failure to exercise such precaution.**

#### 1.6 FIELD ENGINEERING REQUIREMENTS

- A. General: Provide professional field engineering services, establish grades, lines and levels, by use of recognized engineering survey practices.  
1. Submit surveys and documentation as described herein.

Exclude B.1. We hired surveyor for layout of new buildings, not to check existing conditions.

2 and 3 are bought from subs.

4 we did with A plus

- B. Scope of Field Engineering:  
1. Site features:  
a. ~~Existing grades, including grades immediately adjacent to existing building.~~  
2. Structural elements: For each column, a precise base plate elevation and horizontal location shall be established. After the anchor bolts have been set in the foundations and leveling plates have been set in grout, the top surface of each leveling plate shall be surveyed to determine the following locations. ~~Submit survey data to the Architect for review and approval prior to fabrication of structural steel.~~  
a. Elevation of top surface of each leveling plate.  
b. Precise position of the center of each anchor bolt in each leveling plate.

3. Survey of location and elevations of tiebacks left on-site.
  4. Vertical floor survey for each floor level of the 1913 Building to remain following the selective demolition work and prior to commencement of new work.
- C. Qualifications of Surveyor or engineer: Qualified engineer or registered land surveyor, acceptable to Architect and the Owner.
1. Registered professional engineer of the discipline required for the specific service on the Project, licensed in the State the project is located in.
- D. Survey Reference Points:
1. Datum: Location of control datum to be used as reference point for horizontal and vertical survey measurements is shown on Drawings.
  2. Locate and protect control and reference points prior to starting sitework, and preserve all permanent reference points during construction.
    - a. Make no changes or relocations of control points without prior written notice to Architect.
  3. In the event that any reference point is lost or destroyed, or requires relocation due to necessary changes in grades or construction, perform the following actions without delay:
    - a. Report change to Architect immediately.
    - b. Replacement of reference point shall be performed by surveyor, as directed by Architect.
  4. Project Survey Requirements:
    - a. Establish a minimum of two permanent benchmarks on the site, referenced to data established by survey control points.
    - b. Establish lines and levels, locate and lay out by instrumentation and other appropriate means.
    - c. Verify layouts periodically using the same means as those by which they were established.
- E. Records:
1. Maintain a complete, accurate log of all control and survey work as it progresses.
  2. Prepare and submit a survey of existing conditions and a final survey of as-built conditions containing all relevant horizontal and vertical dimensions and reference point data.

Strike entire section 1.7. We have included participation in envelope commissioning but have not included resources or costs to produce coordination drawings.

N/A

~~1.7 BUILDING ENVELOPE COORDINATION DRAWINGS~~

- ~~A. Building Envelope Coordination Meeting: The CM shall coordinate a pre-construction meeting on site with all of the building envelope Subcontractors, the OPM, Clerk, Commissioning Agent, and Architect. Envelope systems and work includes, but is not limited to:~~
- ~~1. Masonry, Air/ Vapor Barrier Systems, Waterproofing Systems, Windows, Curtainwall, Louvers, Roofing Systems, Metal Siding Systems, Exterior Frame Systems.~~
- ~~B. CM shall coordinate and produce color coded coordination drawings of each system showing interface between each building envelope system.~~
- ~~C. Coordination drawings shall include, but not be limited to:~~
- ~~1. Foundation Conditions~~
  - ~~2. Footing Conditions~~
  - ~~3. Edge of floor slab conditions~~



4. ~~Roof Edge Conditions~~
  5. ~~Roof to Wall Conditions~~
  6. ~~Opening Conditions (i.e. Window, Curtainwall & Louver)~~
  7. ~~Expansion Joint Conditions~~
  8. ~~Interface of existing and new construction.~~
  9. ~~Openings in roof.~~
- D. Coordination drawings must be completed prior to system application on the mock-up(s).
- E. Coordination Drawings shall be reviewed and signed off by each building envelope trade.
- F. Refer to additional applicable requirements specified herein below for mechanical coordination drawings.

## 1.8 MECHANICAL COORDINATION DRAWINGS

- A. The Construction Manager shall be responsible for the coordination of all mechanical and electrical work with architectural requirements including ceiling layouts. Well in advance of commencing work in any area and before materials are fabricated or work begun, he shall submit to the Architect complete Coordination Drawings in the form of colorized PDF's, submitted electronically with 1 hard copy print to the Architect, and 1 hard copy print to the Engineer, in a scale not less than 1/4" = 1'-0". Congested areas and sections through shafts shall be at a scale not less than 3/8" = 1'-0".
1. Coordination Drawings are considered Informational Submittals. Refer to Section 013300 – SUBMITTALS for requirements for preparation and submittal of Informational Submittals.
- B. Coordination Drawings shall indicate the necessary offsets for all ductwork, piping, conduit, and other items to clear the work of all other trades, and structure, and to maintain the required ceiling height, ceiling layout and partition layout.
- C. Prepare Coordination Drawings as follows: Provide PDF's and 1 hard copy print to the Architect and Engineer concurrently with each trade's additions, and with clearly marked conflicts and questions on said PDF's and prints.
1. The background for coordination drawings shall show the reflected ceiling plan.
  2. Construction Manager shall require HEATING AND VENTILATING Subcontractor to prepare original Drawings showing all ductwork, hot water and other heating lines, based on approved Sheet Metal Fabrication Drawings and related mechanical submittals.
  3. Construction Manager shall distribute them to the Architect and the Plumbing Subcontractor for the next step.
  4. Construction Manager shall then require PLUMBING Subcontractor to indicate all his equipment and plumbing lines on these.
  5. Construction Manager shall then require FIRE PROTECTION Subcontractor to indicate his equipment and piping on these.
  6. Construction Manager shall require the ELECTRICAL Subcontractor to indicate his equipment and conduit lines on the same Drawings.
  7. Construction Manager shall resolve conflicts and then submit in PDF and 1 hard copy to the Architect for review.
  8. Submit complete final set of coordination drawings for record purposes in PDF and 1 hard copy.

Qualify electronic only,  
no hard copy.

Are we OK with them  
being information only or  
are they for approval?

Exclude entire section C.  
A says coordination is  
CMs responsibility, so  
coordination process is  
dictated by Skanska's  
documents in  
Subcontracts not this  
section

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- D. Coordination Drawings shall bear the signature of all subcontractors involved indicating that all space conditions have been satisfactorily resolved. In addition, the Drawings shall bear the Construction Manager's stamp bearing the notation "Drawings Have Been Checked and Coordinated with all Trades". Drawings without these notations, or Drawings submitted more than 120 days after the execution of the Contract, will not be accepted or reviewed by the Architect.
- E. If any space conflicts cannot be resolved by the Construction Manager, he shall immediately notify the Architect.
- F. Coordination Drawings are for the Construction Manager's and Architect's use during construction and shall not be construed as replacing any Shop, "As-Built", or other Record Drawings required elsewhere in these Contract Documents.
- G. Architect's review of Coordination Drawings shall not relieve Construction Manager from his overall responsibility for coordination of all work performed pursuant to the Contract or from any other requirements of the Contract.
- H. Access panel coordination: Show locations and sizes of all access panels for all trades on Coordination Drawings.
- I. Refer to Section 011400 – Work Restrictions for Project Electronic Files to be made available for use by the Construction Manager in the preparation of Coordination Drawings.

PART 2 - PRODUCTS [NOT USED]

PART 3 - EXECUTION [NOT USED]

END OF SECTION

SECTION 013119

PROJECT MEETINGS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Organizational meetings.
  - 2. Project meetings.
  - 3. Pre-Installation conferences
  - 4. Post-construction meetings
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Requirements for construction schedules: Section 013200 Construction Progress Documentation.

PART 2 - PRODUCTS

2.1 ORGANIZATIONAL MEETINGS

- A. General: The Owner's Project Manager will schedule pre-construction organizational meetings, periodic Project meetings, specially called meetings throughout the progress of the Work, and post-construction meetings. Representatives of the Construction Manager shall attend all such meetings. Subcontractors shall attend only if requested by the Architect or the Owner's Project Manager.
- B. Pre-Construction Meeting: Immediately following award of Contract, the Architect will call one or more preliminary organizational meetings, during which detailed procedures will be worked out for submission and review of Shop Drawings and samples, format and extent of the Progress Schedule and Schedule of Values, format and methods for progress payment requisitions, channels of communication between Owner, the Owner's Project Manager,

Architect's and Construction Manager's personnel, and other routines to be followed during construction. The Architect will then issue a directive summarizing such procedures.

## 2.2 PROJECT MEETINGS

- A. The Architect shall schedule and meet regularly with the Owner, the Owner's Project Manager and the Construction Manager at the site of the Work during the course of the Contract for the purpose of progress review, coordination of Shop Drawing schedules, sample submittals, and other items of work requiring such coordination. The dates of such meetings shall be as mutually agreed upon between the Owner, the Owner's Project Manager, Construction Manager and the Architect. Construction Manager shall require Subcontractors to attend such meetings if requested by the Architect.
- B. The Construction Manager shall take minutes of such meetings and shall distribute copies of the minutes to all concerned.
- C. Construction Manager's and Subcontractor's representatives attending such meetings shall include the job superintendent or other responsible party approved by the Architect. Such representatives shall be empowered to make, at these meetings, definite decisions binding upon their respective employers regarding all matters pertaining to work under this Contract.
- D. The Construction Manager shall furnish the Owner, the Owner's Project Manager and the Architect, in writing, the names, addresses, and telephone numbers of Construction Manager's and principal Subcontractors' personnel to be contacted in the event of an out-of-hours emergency at the building site. He shall also maintain a similar list readily visible from the outside of the field office.
- E. **The CM shall provide a 3-week lookahead schedule. Where activities on this schedule are included in the complete and detailed construction schedule, they should be referenced by the same name and activity numbers. This schedule shall also include the look ahead from the previous week's schedule for confirmation/realization of construction schedule dates.**

## 2.3 PREINSTALLATION CONFERENCES

- A. Pre-Installation Conferences: Conduct pre-installation conferences at site prior to construction activities that require coordination.
  - 1. Schedule the conference to occur after submittals have been approved for the materials or systems.
  - 2. Installers, manufacturer's representatives, and fabricators of materials or systems affected shall be required to attend. Advise Architect of scheduled meeting dates.
  - 3. Do not allow affected work to proceed if the conference cannot be successfully concluded. Initiate actions necessary to resolve impediments to performance of the work and reconvene the conference at the earliest feasible date.
  - 4. The Construction Manager shall take minutes of such meetings & shall distribute copies of the minutes to all concerned.
- B. Work for which pre-installation conferences will be required include the following. Additional pre-installation conferences may be required by specifications in Sections 2 through 50, and

by the Owner or Architect during the progress of the Work:

1. Concrete work including finishes.
2. Steel erection.
3. Air barrier system.
4. Roofing.
5. Daylight dimming system.
6. Masonry.
7. Metal siding.

C. Refer to individual specifications sections for additional requirements.

#### 2.4 POST-CONSTRUCTION MEETINGS

- A. ~~Not less often than every three months, starting with the date of Substantial Completion and continuing for one year thereafter, representatives of the Construction Manager and the Subcontractors for FIRE PROTECTION, PLUMBING, HVAC, and ELECTRICAL Work shall meet with the Architect and Owner's Project Manager at the site in accordance with an agreed-upon schedule in order to inspect the Work and to plan correction of any deficiencies or failures discovered during this period.~~
- B. Representatives of the Construction Manager and Subcontractors attending such meetings shall be the same persons, or shall have the same powers and authority, as those attending job meetings prior to the date of Substantial Completion.
- C. ~~Post-Warranty Meeting: Coordinate with Owner and attend meeting to be held with Commissioning Agent.~~
- D. The Construction Manager shall take minutes of such meetings & shall distribute copies of the minutes to all concerned.

refer to Art.  
VI.7

END OF SECTION

SECTION 013200

CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Time for Completion and Liquidated Damages.
  - 2. Sequencing requirements.
  - 3. Requirements for scheduling closeout activities.
  - 4. Critical Path Method Schedule preparation and submission.
  - 5. Photographic documentation of construction.
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Section 011100 – SUMMARY OF WORK: Hours of work and related scheduling criteria.
  - 2. Section 012400 – SCHEDULE OF VALUES: Allocation of portions of the Work as line items in applications for payment.
  - 3. Section 013100 – PROJECT MANAGEMENT AND COORDINATION: Construction Manager responsibility for coordinating the Work.
  - 4. Section 013119 – PROJECT MEETINGS: Scheduling construction-related meetings.
  - 5. Section 013300 – SUBMITTAL PROCEDURES: Coordination of submittal schedule with construction.
  - 6. Section 014000 – QUALITY REQUIREMENTS: Special sequencing requirements required for inspection of building components prior to concealment.
  - 7. Section 017700 – CLOSEOUT PROCEDURES: Requirements for Substantial Completion and Final Completion.

1.3 A to C should be struck, it is governed by section VI of GCs to owner agreement.

1.3 SUBMITTALS

- A. ~~Preliminary Construction Schedule and Schedule Narrative: Within 10 calendar days following re-~~

receipt of the Notice to Proceed for GMP Number 1, submit a CD containing an electronic copy (PRX) and two paper copies for review by the Owner, Project Manager and the Architect. This preliminary schedule and schedule narrative shall include the project contract dates, milestones, long lead items, major work activities and a critical path to completion.

1. Acceptance of the Preliminary Construction Schedule by the Owner's Project Manager and Architect shall be a prerequisite to certification of the first Application for Payment.
- B. **Complete and Detailed Construction Schedule:** Within 60 calendar days following receipt of the Notice to Proceed of the Final GMP submit a CD containing an electronic copy (PRX) and two paper copies of the complete and detailed schedule to show entire schedule for entire construction period.
1. **Acceptance of the Complete and Detailed Construction Schedule by the Owner, Project Manager and Architect shall be a prerequisite to certification of the second Application for Payment.**
  2. The Complete and Detailed Construction Schedule shall be the project baseline target schedule from which future schedule progress will be compared and measured.
  3. **The Complete and Detailed Construction Schedule shall be the basis for monthly updates and three week look ahead schedules for the weekly meetings.**
- C. **Monthly Schedule Update:** By the end of the first week of the month submit a schedule update of the accepted Complete and Detailed Construction Schedule accompanied by a written narrative reporting on the progress of the Work for the prior month and a CD containing an electronic copy (PRX) and two paper copies of the Monthly Schedule Update.
1. **Acceptance of the Updated Schedule each month by the Owner's Project Manager and Architect shall be a prerequisite to payment of the monthly Application for Payment.**
  2. The schedule report and updates shall be submitted in the following formats: Milestone summary showing baseline start and finish dates. Full schedule sorted by early start and by area.
- D. **Daily Construction Field Reports:** **Submit one copy of the current week's field reports to the Owner's Project Manager and the Architect at the end of each week.** (Electronic submission is acceptable)
- E. **Special Reports:** Submit one copy of special reports of unusual events at the site directly to Owner's Project Manager and a copy to the Architect, <sup>within 1 week</sup> ~~on the day of the~~ occurrence. Distribute additional copies of report to parties affected by the occurrence. (Electronic submission is acceptable)
- F. **Qualification Data:** For Scheduling Consultant requirements, see paragraph 1.7.
- G. **Photographs:**
1. Photographic documentation of construction as specified herein.
  2. **Copies of prints:** **Submit electronic prints of each photographic view within seven days of taking photographs. Field Office Prints: Retain electronically one set of prints of progress photographs in the field office at Project site, available at all times for reference. Identify photographs same as for those submitted to Architect.**

Photos are taken daily and posted to procore, that is, no hard copies or separate files, they are in procore.

3. ~~Identification: On each print file, provide the following information: Name of Project. Date photograph was taken if not date stamped by camera. Unique sequential identifier.~~
4. ~~Key Plan: Submit key plan of Project site and building with notation of vantage points marked for location and direction of each photograph. Indicate elevation or story of construction. Include same label information as corresponding set of photographs.~~

Strike entire section 1.4, its governed by owner agreement.

1.4 **TIME FOR COMPLETION AND LIQUIDATED DAMAGES**

- A. It is understood and mutually agreed, by and between the Construction Manager and the Owner, that the date of commencement and the **time for completion for each phase** are essential conditions of this Contract, and it is further mutually understood and agreed that the Work embraced in this Contract shall be commenced by the date specified therein.
- B. The Construction Manager agrees that said Work shall be prosecuted regularly, diligently, and uninterruptedly at such rate of progress as will insure full completion thereof within the time specified. It is expressly understood and agreed, by and between the Construction Manager and the Owner, that the time for the completion of the **Work in each phase** described herein is a reasonable time for the completion of the same, taking into consideration the **usual industrial and climatic conditions** prevailing in this locality.
- C. It is further agreed that **time is of the essence** of each and every portion of the Contract and of the Contract Documents wherein a definite and certain length of time is fixed for the performance of any act whatsoever; **and where under the Contract an additional time is allowed for the completion of any work, the new limit fixed by such extension shall be of the essence of this Contract. Provided, that the Construction Manager shall not be charged with liquidated damages for any excess cost when the delay in completion of the Work is due:**
  1. To any preference, priority, or allocation order duly issued by the Awarding Authority.
  2. **To unforeseeable causes beyond the control and without the fault or negligence of the Construction Manager, including, but not restricted to: Acts of God, or of the public enemy; acts of the Owner; acts of another Construction Manager in the performance of a Contract with the Owner; fires, floods, epidemics, quarantine restrictions, strikes, and freight embargoes.**
  3. **To any delays of Subcontractors or suppliers occasioned by any of the clauses specified.**
- D. Provided, further, that the Construction Manager shall, within **ten (10) days from the beginning of such delay, unless the Owner shall grant a further period of** time prior to the date of final settlement of the Contract, notify the Owner, in writing, of the causes of the delay, who shall ascertain the facts and extent of the delay and notify the Construction Manager within a reasonable time of its decision in the matter.
- E. If the Construction Manager shall neglect, fail or refuse to substantially complete the Work within the time herein specified or any proper extension thereof granted by the Owner, **the Construction Manager does hereby agree, as part of the consideration for the awarding of this Contract, to pay to the Owner the amount specified in the Agreement (or if not specified, then actual damages amount), not as a penalty but as liquidated damages for such breach of contract as herein set forth, for each and every calendar day that the Construction Manager shall be in default after the time stipulated in the Contract for completing the Work.**



- F. The said amount is fixed and agreed upon by and between the Construction Manager and the Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain, and said amount is agreed to be the amount of damages which the Owner would sustain and **said amount shall be retained from time to time by the Owner from current periodic estimates.** This remedy to the Owner shall be cumulative to the remedies available to the Owner under law.
- G. Work Executed after Substantial Completion: The Architect will continue to execute their administrative responsibilities for the Contract, as provided in the General Conditions, beyond the specified date of Final Completion.
1. **If, due to delays on the Construction Manager's part in the completion of the Work, the Architect and Owner's Project Manager is required to continue in this role beyond the specified date for Final Completion, the Construction Manager shall be responsible to the Owner for costs for Additional Services of the Architect and Owner's Project Manager to perform additional administration duties, until the Work is complete.**
  2. Refer to Section 011400 – Work Restrictions, for procedures required in cases where Construction Manager is responsible to the Owner for costs for Additional Services of the Architect.
- H. **Liquidated Damages: Refer to the OWNER/ CONSTRUCTION MANAGER AGREEMENT, as amended, for provisions for, and amounts of, Liquidated Damages.**

#### 1.5 SEQUENCING REQUIREMENTS

- A. Exterior Envelope Construction and Inspection: Schedule the installation of materials comprising the exterior walls and roofs to minimize exposure of construction materials to damage by ultraviolet light, wind and weather. Notify the Architect prior to concealment of air barrier, to permit inspection and testing. Refer to Section 014000 – QUALITY REQUIREMENTS, and individual technical specification sections for specific requirements.
- B. Indoor Air Quality Provisions: Refer to Section 018119 – INDOOR AIR QUALITY REQUIREMENTS, for the following activities that will have an impact on scheduling:
1. Sequencing required to minimize adsorption of airborne contaminants on new surfaces.
  2. **Sequence of building flush-out with respect to completion, testing and balancing of mechanical systems. Flush-out shall be complete prior to substantial completion.**
- C. Commissioning: Refer to the Owner's commissioning agent, for inspections, testing and related activities to be performed by Commissioning Agent during and after construction.

strike, there are multiple ways to achieve LEED IAQ requirements and flush out may not be mandated.

#### 1.6 SCHEDULING REQUIREMENTS FOR CLOSEOUT

- A. General: Closeout scheduling shall be carefully coordinated with activities required for Commissioning and the approved Indoor Air Quality Management Plan. The following sequence of activities is a summary of requirements of many trades. Refer to other Division 1 Sections and Technical Sections for additional information as indicated.

B. Initial Closeout Activities:

Strike, will be done per CX specs. CX agent is responsible for scheduling meetings.

1. Commissioning Coordination Meeting: Schedule meeting well in advance of anticipated date for start-up of mechanical and electrical systems. At this meeting, the Commissioning Firm will distribute Pre-Functional Performance Test (PFPT) checklists, and scheduling requirements will be reviewed. Refer to Section 013119 – PROJECT MEETINGS.
2. Confirmation of Completion of Finishes, Casework and Cleaning: The Construction Manager submit a letter confirming that all major finishes have been applied, all casework is installed and final cleanup has been completed.

C. System Start-Up, Building Flush-out and Testing and Balancing.

strike, there are multiple ways to achieve LEED IAQ requirements and flush out may not be mandated.

1. The HVAC system shall be started up with new filters as specified in Section 230000 – Heating, Ventilating and Air Conditioning.
2. Building Flush-Out: As part of the Indoor Air Quality Plan, the HVAC system shall be run for 28 calendar days with 100 percent fresh air. Disable carbon dioxide sensors during this time. Refer to Section 230000 – Heating, Ventilating and Air Conditioning for additional requirements for system operation. Flush-out shall be complete prior to substantial completion.
3. Testing and Balancing: After the building flush-out is complete, replace HVAC system filters, adjust HVAC system for normal operation and conduct tests for balancing the system.

strike, this will be done per owner agreement

- D. Substantial Completion: When system start-up and the related activities specified above have been completed on all mechanical and electrical systems, notify the Architect that the Project is Substantially Complete. Refer to Section 017700 –CLOSEOUT PROCEDURES, for additional requirements for Substantial Completion.

1.7 QUALIFICATIONS OF PERSONNEL FOR CPM SCHEDULING

strike entire section, we do scheduling with in house employees and have not included the cost to hire a consultant.

- A. The Construction Manager will engage, at the Construction Manager's own expense, a qualified CPM Scheduling Consultant (hereinafter "Scheduling Consultant"), approved by the OPM, to assist in the preparation and production of the CPM Schedule. The Construction Manager may perform these services with the Construction Manager's own organization if the qualifications of assigned staff are approved by the Owner.

No, specs already states you are able to do this in-house

- B. The Scheduling Consultant, or the Construction Manager's assigned staff, shall meet the following criteria:

1. Has at least one full time employee skilled in the application of computerized CPM network techniques to construction projects of the magnitude and complexity of this project.
2. Has available computer equipment and software for the production of the required CPM network and reports.

- C. Prior to engaging a Scheduling Consultant or commencing the performance of the Work required under this Section with the Construction Manager's own staff, the Construction Manager shall submit to the OPM for acceptance:

1. The name and address of the proposed Scheduling Consultant, if used.
2. Information sufficient to show that the proposed Scheduling Consultant, or the Construction Manager's own organization, has staff and computer facilities meeting the criteria specified in this Section.

part-time; refer to GCs

3. A list of prior projects for which the proposed Scheduling Consultant, the Scheduling Consultant's organization, or the Construction Manager's staff has performed services similar to those required by this Contract.

## PART 2 - PRODUCTS

### 2.1 CRITICAL PATH METHOD SCHEDULE (CPM) GENERAL

A. The purpose of the Critical Path Method (CPM) Progress Schedules (hereinafter "CPM Schedule") shall be to:

1. Assure adequate planning, scheduling and reporting during execution of the work by the Construction Manager.
2. Assist the Construction Manager, Architect, Project Manager and Owner in monitoring the progress of the work and evaluating proposed changes to the Contract and the Construction schedule;
3. Assist the Owner, Project Manager, Architect and the Construction Manager in the preparation and **evaluation of the Construction Manager's monthly progress payments.** CX schedule to be provided by CX agent then we can incorporate
4. Ensure that the progress of any aspect of the project is reflected in the forecasted project completion date for the project as a whole. The CPM shall be fully integrated with all aspects of the project such as: **detailed design,** procurement, construction, and commissioning.

B. The Construction Schedules shall employ the Critical Path Method (CPM) for the planning, scheduling and reporting of the work to be performed under the contract and shall meet the following requirements:

1. The schedule shall be developed and maintained utilizing ~~the most current version of Primavera P6 Project Planner software system~~ or alternative software program, at the Owner's discretion, and the **data fully transferable to Primavera Project Planner.**
2. The Schedule shall be used by both the Construction Manager and the Owner with access granted to the Owner. The Schedule shall be reviewed and agreed to by the Owner and Construction Manager.
3. For informational purposes only and to establish approximate values, the Complete and Detailed Construction Schedule will be accompanied by a **monthly cash flow projection and a monthly man-hour projection.** **Planned billings and man-hours will be tracked against actual on a monthly basis.**
4. **Provide Activity Logic Report with the submittal of the CPM schedule.**
5. **The schedule and monthly updates shall also be furnished in its native electronic file format.**
6. Construction activity duration shall be in units of whole working days and shall be limited to a minimum of one (1) ~~and a maximum of twenty (20)~~ working days for each activity.
7. The schedules and the corresponding completion dates shall meet the contract duration (remaining contract duration for the monthly updates) of the project. **A CPM Schedule showing completions later than those specified shall be addressed in the Recovery schedule.** Failure by the Construction Manager to include any element of work required for performance of the Contract shall not excuse the Construction Manager from completing all work

We may not be on most current platform. Program used is SKA discretion not owner.

Skanska has provided this w/GMP

within the Contract Time. Under no circumstances, shall the Construction Manager be entitled to an equitable adjustment in the event of failing to achieve an early completion schedule.

8. ~~The Construction Manager shall review the planned activity coding and activity ID format with the Project Manager prior to the development of the Detailed Construction Schedule. At a minimum, the Project Manager will require the following coding: Area, Location/Phase, Work Type/Trade, and a separate code for each subcontractor.~~
9. The CPM shall be created and maintained with the following requirements:
  10. A unique activity identification number and description including all design activities, procurement activities, **submittal preparation and review activities, construction of mock-ups**, construction activities, startup and commissioning activities, turn-over and close-out activities.
    - b. Activity start and finish dates
    - ~~c. Calendar ID: calendars will be reviewed and approved by all parties~~
11. Proposed durations assigned to each activity shall be the Construction Manager's best estimate of time required to complete the activity considering the scope and resources planned for the activity, utilizing the appropriate workday calendar.
12. **Seasonal weather conditions shall be considered and included in the planning and scheduling of all work influenced by high or low ambient temperatures and/or precipitation to ensure completion of all work within the Contract time. Seasonal weather conditions shall be determined by an assessment of average historical climatic conditions based upon the preceding ten (10) year records published for the locality by the National Ocean and Atmospheric Administration (NOAA).**
13. The OPM's acceptance of the Construction Schedule shall not relieve the Construction Manager of responsibility for timing, planning and scheduling of the Work, nor impose any duty on the Architect or Owner with respect to the timing, planning or scheduling of the Work. Neither the review nor acceptance of the Construction Manager's CPM Schedule or other data submitted by the Construction Manager pursuant to this Section, nor any other action on the part of the Owner under this section shall in any way be deemed as a representation by the OPM that the Construction Manager can or will be permitted to follow a particular schedule or sequence of operations or that, by following any such schedule or sequence, he can or will complete the Work by the time(s) required by the Contract or by any other time(s). Nor shall the acceptance of any CPM Schedule or other such data relieve the Contractor of his obligation to complete the Work by the time(s) required in the Contract, even though such CPM schedule approved may be inconsistent with such completion.

we currently have not included weather days, they would be treated as owner change. We could add them if desired.

C. No action on the part of the Construction Manager pursuant to this Section shall be construed as a request for an extension of the time(s) for completion required by the Contract. **A request for an extension of time shall be deemed made only if it complies with the requirements of Division 1 of these specifications.** No extension of the time(s) for completion shall be inferred because of any action, failure to act, or statement on behalf of the Owner pursuant to this Section.

Strike, owner agreement governs

D. The CPM Schedule developed by the Construction Manager may indicate an acceleration of the time(s) required for completion of the Contract. **No acceleration of the time(s) for completion shall be construed as a request for an increase in the Contract Sum.** Failure of the Construction Manager to meet an accelerated schedule shall not relieve the Construction Manager's obligation to perform all the Work by time(s) required by the Contract and in accordance with all other provisions of the Contract. Failure of the Construction Manager to meet an accelerated schedule shall not entitle the Construction Manager to an increase in the Contract Sum.

2.2 PRELIMINARY CONSTRUCTION SCHEDULE AND SCHEDULE NARRATIVE

A. **Within 10 calendar days following receipt of Notice to Proceed for GMP Number 1, prepare and submit for review prints and CD of the Preliminary Construction CPM Schedule and schedule narrative covering the first one hundred fifty (150) days following the Award of Contract. The schedule shall be neatly organized and plotted, time-scaled from left to right on standard size sheets. The Preliminary Construction Schedule and schedule narrative shall cover the following phases and/or activities:**

1. Proposed mobilization, procurement and planned construction within the first 150 days after Notice To Proceed.
2. Include a summary bar for major areas of the remainder of the Work.
3. Show the critical path for the project, indicating in the narrative, the major milestones and long-lead activities on the project.

B. The Preliminary Schedule shall be incorporated into the Complete and Detailed Schedule including all revisions directed by the Owner, Project Manager and Architect.

2.3 COMPLETE AND DETAILED CONSTRUCTION SCHEDULE

A. **Prepare and submit a comprehensive, fully developed Complete and Detailed CPM Construction Schedule within 60 days after Notice to Proceed of the Final GMP.**

1. The Complete and Detailed schedule shall incorporate the accepted Preliminary Construction Schedule with the Owner/Project Manager/Architect's comments
2. Schedule shall be neatly organized and plotted time scaled from left to right on Project standard size sheets with suitable notation relating the interface points among sheets.
3. The Construction Manager's Schedule shall consist of, but not be limited to, the following:
  - a. Proposed procurement, submittal preparation, submittal review, fabrication & delivery, construction, testing, commissioning, and permitting activities.
  - b. Proposed durations for activities.
  - c. Proposed sequencing of activities (predecessors & successors).
  - d. Milestone events as agreed to by the Owner/CM including, but not limited to, Building Enclose, Permanent Power, Substantial Completion, and Final Completion.
4. The following shall be depicted on the Schedule for each activity:
  - a. Concise description of the work represented by the activity (maximum forty-eight (48) characters). The work related to each activity shall be limited to one work trade and one area.
  - b. In developing the Schedule, the Construction Manager shall be responsible for assuring that subcontractor and supplier work at all tiers, as well as its own work, is included in the Schedule. It shall be the Construction Manager's responsibility to obtain each Subcontractor's written approval and/or concurrence with the CPM Schedule.
  - c. The Schedule as developed shall show the sequence and interdependence of activities required for complete performance of the work. The Construction Manager shall be responsible for assuring that all work sequences are logical and the Schedule shows a coordinated plan of the work.
  - d. Each activity shall have only one responsible party and will be coded accordingly.
5. For the purposes of utilizing schedule targets, activity ID's shall not be modified.
6. Any change in logic shall be documented and presented for review by the Owner in the Monthly Schedule Update Report.

Strike 2.2 and 2.3. its governed by owner agreement.

understood Owner Agreement takes precedence but these sections might still elaborate requirements of the CM

7. ~~Any float suppression techniques identified shall be corrected by the Construction Manager.~~
8. The Construction Manager shall utilize logic, durations, and appropriate calendar assignment to forecast dates, not activity constraints.

## 2.4 MONTHLY SCHEDULE UPDATE REPORTS

- A. Monthly Schedule Update Report: Evaluate the status of the work each month to show actual progress and to identify problem areas. Update the Complete and Detailed Construction schedule and print a schedule summary. The update shall include a narrative of the changes from the previous version. Include approved Change Orders and Construction Change Directives within the updated schedule. The Construction Manager shall certify that both the CPM Schedule and Monthly Schedule Update Report submittal correctly represent the sequence, means, methods, techniques and procedures in which he/she plans to execute the Work, and the actual execution of the Work. All proposed sequencing changes shall be addressed and detailed within the narrative.
- B. Schedule review meetings shall be conducted on a monthly basis. The Construction Manager shall send the updated schedule to the Owner in advance of the update meetings.
- C. The Construction Manager is responsible for obtaining and validating all subcontractors' progress in terms of installed quantities and to ensure adherence to the schedule while identifying potential risks and their impacts. The monthly status submission shall not be submitted with "out of sequence" logic.
- D. The Construction Manager shall furnish sufficient forces, offices, facilities and equipment at no additional cost to the Owner, and shall work such hours as necessary, within any local restrictions or agreements incorporated into the Contract, to ensure the prosecution of the work in accordance with the current monthly Project Schedule Update. At weekly job meetings, documented in meeting notes, the CM shall review with the Owner the schedule progress and discuss mitigation of any delays. Should the monthly update show that the Critical Path is fourteen (14) or more calendar days behind the approved CPM schedule, the Construction Manager shall prepare a Recovery Schedule at no additional cost to the Owner explaining and displaying how the Construction Manager intends to reschedule the work in order to regain compliance with the contract. The provision of this paragraph may include the Construction Manager increasing the hours of work, the number of shifts, overtime operations and/or the amount of construction plant and equipment or working on Saturdays, Sundays and holidays, within agreed working hours or variance granted, provided the Construction Manager gives reasonable notice to the Owner.
- E. ~~Tasks and activities on updates shall be referenced on weekly 3-week look ahead schedules.~~

## 2.5 RECOVERY SCHEDULE

- A. When directed by the Project Manager/Architect, the Construction Manager shall develop a Recovery Schedule with a detailed narrative for all the remaining work based on the last accepted Monthly Schedule Update. The Recovery Schedule shall represent the Contractors current work sequence plan and shall forecast completion of the remaining work within remaining contract durations. The Recovery Schedule narrative shall enumerate the Construction Manager's work plan including increases to crew sizes and/or extended shifts to complete work with in remaining contract

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durations. The Recovery Schedule shall conform to requirements set forth in Paragraph 1.04 (Complete and Detailed Construction Schedule).

- B. Should the updates indicate that the project is falling behind schedule, or the Construction Manager's actual physical progress is falling behind schedule when compared with the current project schedule, the Construction Manager shall promptly take action to create a recovery plan. Following the update meeting where the schedule and or progress delays were made known to the Owner the Construction Manager shall submit a schedule recovery plan within a reasonable timeframe relative to the mitigation plan complexity. **The recovery schedule and associated narrative shall be submitted as a proposed revision to the project schedule.** The recovery schedule and narratives shall be submitted in accordance with all previous schedules and disclose any schedule and cost implications of the recovery plan. In the case of slippage which constitutes an emergency, the Construction Manager shall use all appropriate expediency measures to present the recovery plan to the Owner in advance of the above minimum requirements.

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The Construction Manager shall anticipate, avoid, and mitigate the effects of all delays, whether or not such delays involve Activities with positive float. **The Construction Manager shall be responsible to develop mitigation measures for all delays, regardless of the responsibility for the delays, and to identify all time and cost impacts to the work associated with those mitigation measures.** Whenever it is possible for the Construction Manager to mitigate delay without added cost, the Construction Manager shall do so. The Construction Manager shall mitigate all delays as efficiently and economically as possible, with the objective of minimizing both the time and cost impact of the delay, regardless of the responsibility of the delay.

- D. Unless circumstances otherwise require, the Construction Manager shall not pursue mitigation action for which it expects the Owner/Architect to be liable, prior to notifying the Owner/Architect and receiving Owner/Architect authorization to proceed with the mitigation action. Any action taken by the Construction Manager prior to receiving approval from the Owner/Architect shall be at the Construction Manager's risk.

## 2.6 TIME IMPACT ANALYSIS FOR CHANGES, DELAYS AND CONTRACTOR REQUESTS

- A. When changes are initiated or delays are experienced, or the Construction Manager desires to revise the CPM Schedule, the Construction Manager shall submit to the OPM and Architect a written Time Impact Analysis illustrating the influence of each change, delay, or Construction Manager request on any Milestone. **Each Time Impact Analysis shall include Fragmentary Network (Network Analysis) demonstrating how the Contractor proposes to incorporate the change, delay, or Construction Manager request into the CPM Schedule.** The Time Impact Analysis shall demonstrate the time impact to each and every affected Activity in the CPM Schedule utilizing the most recent CPM Schedule Update as the basis for the Analysis. The date of the most recent CPM Schedule shall be a date prior to the date the change is given to the Construction Manager, the date the delay occurred, or the date the Construction Manager submits the request for a change. The event time used in the Time Impact Analysis shall be included in the most recent CPM Schedule Update or as adjusted by mutual agreement. The Time Impact analysis shall include an electronic submittal which shall contain the details of the change including, but not limited to, added, changed, or deleted data for Activities, logic restraints, resources or costs.
- B. Any and all claims for delay must be substantiated by proving an impact to the critical path based on the approved schedule. The schedule must show any activity items creating a delay that may be beyond the Owner's control and are concurrent in developing the Time Impact Analysis. Fail-

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ure to submit a Time Impact Analysis will result in forfeiture for any claim arising thereof.

- C. Activity delays shall not necessarily mean that an extension of any Milestone is warranted or due the Contractor. A change or delay may not affect existing critical Activities or cause non-critical Activities to become critical. **A change or delay may result in only absorbing a part of the available total float that may exist within an Activity chain of the Network, thereby not causing any effect on any Milestone.**
- D. Total float is defined as the amount of time between the early start date and the late start date, or the early finish date and the late finish date, for each and every activity in the CPM Schedule. Float is not for the exclusive use or benefit of either the Owner (or its agents) or the Construction Manager or Subcontractors. **Float will be used on a "first come, first serve" basis, provided that the claim for use is legitimate and proven by a Time Impact Analysis as defined herein.**
- E. One copy of each Time Impact Analysis shall be submitted within 10 calendar days after the commencement of a delay or the notice of direction for a change is given to the Construction Manager.
- F. **In cases where the Construction Manager does not submit a Time Impact Analysis within 10 calendar days, or make the Owner aware that the Time Impact Analysis will not be submitted within 10 calendar days, the Construction Manager agrees that the particular change, delay or Contractor request does not require an extension of time to a Milestone and the Construction Manager hereby waives its right to subsequently request a time extension.**
- G. Acceptance or rejection of each Time Impact Analysis by the Owner shall be made within 10 calendar days after receipt unless subsequent meetings and negotiations are necessary. Upon acceptance, a copy of the Time Impact Analysis signed by the Owner shall be returned to the Construction Manager, and incorporated into the CPM Schedule at the next monthly CPM Schedule Update. The Time Impact Analysis shall be incorporated into and attached to any relevant Change Order(s).

## 2.7 DAILY CONSTRUCTION REPORTS

- A. **Prepare a daily construction report, recording events at the site. Report the following information, as applicable.**
  - 1. List of subcontractors at the site, and approximate count of personnel.
  - 2. High and low temperatures, general weather conditions (when exterior work is in progress)
  - 3. Meetings ~~and significant decisions.~~
  - 4. Accidents, unusual events, and emergency procedures.
  - 5. Stoppages, delays, shortages, losses.
  - 6. Services connected, disconnected.
  - 7. Orders and requests of governing authorities.
  - 8. Equipment or system tests and start-ups.
  - 9. ~~Partial Completions, occupancies.~~
  - 10. ~~Substantial Completions authorized.~~
- B. ~~At the end of each week, compile the daily reports. Have the Construction Manager's Superintendent sign the daily reports. Submit 1 copy to the Owner/Owner's Project Manager and place 1 copy in the Project Record Documents file.~~

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2.8 3 WEEK LOOK-AHEAD

- A. Provide a bar chart type, 3 week look-ahead schedule to review with the Owner's Project Manager and Architect during progress meetings. **The 3 week look-ahead schedule furnished at the weekly meeting shall include the previous week look ahead for reference and record of realized items.**

2.9 CONSTRUCTION PHOTOGRAPHS

- A. Digital Images: Provide images in JPG format, produced by a digital camera with minimum sensor size of 8 megapixels, and at an image resolution of not less than 3200 by 2400 pixels.
- B. General: Take photographs using the maximum range of depth of field, and that are in focus, to clearly show the Work. Photographs with blurry or out-of-focus areas will not be accepted.
1. ~~Maintain key plan with each set of construction photographs that identifies each photographic location.~~
- C. Digital Images: Submit digital images exactly as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software.
1. ~~Date and Time: Include date and time in file name for each image.~~
2. ~~Field Office Images: Maintain one set of images accessible in the field office at Project site, available at all times for reference. Identify images in the same manner as those submitted to Architect and Owner.~~
- D. Preconstruction Photographs: Before starting construction, take photographs of Project site and surrounding properties, including existing items to remain during construction, from different vantage points, as directed by Architect.
1. Take adequate photographs, minimum of 100, or provide video, to show existing conditions adjacent to property before starting the Work.
2. Take adequate photographs, minimum of 100, or provide video, of existing buildings either on or adjoining property to accurately record physical conditions at start of construction.
3. Take additional photographs as required to record settlement or cracking of adjacent structures, pavements, and improvements.
- E. Periodic Construction Photographs: Take 20 photographs monthly, with timing to coincide with the cutoff date associated with each Monthly Schedule Update Report. Select vantage points, in cooperation with the Clerk of the Works, to show status of construction and progress since last photographs were taken.
- F. Final Completion Construction Photographs: Take 20 color photographs after date of Substantial Completion for submission as project record documents. Architect and Owner will inform photographer of desired vantage points.

The photographer is Skanska project team member, professional photos have not been included.

See prior comments regarding daily photos and procore

PART 3 - EXECUTION

3.1 SCHEDULING THE WORK

- A. The Construction Manager will coordinate, review and at all times be up to date with all aspects of the schedule and in so doing will:
1. Highlight any areas of potential risk
  2. Confirm that the agreed interim milestones and target dates for completion can either be achieved, be improved upon or require corrective action.
  3. Be proactive in identifying delays and or lack of progress and in identifying prudent cost-effective means of addressing such delays and or progress issues.

END OF SECTION

acceptable that  
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# Specification Section 013302 Submittal Transmittal

# SUBMITTAL REVIEW TRANSMITTAL

Submittal No.: (GC Insert Submittal Number)

|                          |  |  |   |
|--------------------------|--|--|---|
| Project:                 | Brookline High School Expansion  | Contract For:  | New Construction                          |
| Prepared By:             | (GC Insert General Contractor's Project Manager & Company Name)                    | To:  | William Rawn Associates, Architects, Inc. |
| Subcontractor:           | (GC Insert Subcontractor's Contact & Company Name)                                 | Contractor's Reference Date from Submittal Schedule: | (GC Insert Date)                          |
| Specification Reference: | (GC Insert Section and paragraph number)   | Date Due Back to Contractor from Submittal Schedule: | (GC Insert Date)                          |
| Submittal Type:          | (GC Select - Product Data, Certification, Test Report, Shop Drawing, Sample, etc.) | Date Received by Architect:                          | (Arch Insert Date)                        |
| Submittal Title:         | (GC Insert Submittal Name)   | Date Returned to Contractor:                         | (Arch Insert Date)                        |

## General Contractor Review Comments:

(GC provide stamp and any applicable comments or notations in this box)

## Architect/Consultant Review Comments:

(Architect/consultant provide stamp and any applicable comments or notations in this box)

SECTION 014000

QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements for
  - 1. Quality assurance
  - 2. Quality control
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Construction Manager of responsibility for compliance with the Contract Document requirements.
  - 1. Specific quality-assurance and -control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
  - 2. Specified tests, inspections, and related actions do not limit Construction Manager's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
  - 3. Requirements for Construction Manager to provide quality-assurance and -control services required by Architect, Owner, or authorities having jurisdiction are not limited by provisions of this Section.
  - 4. A pre-construction "kickoff" meeting regarding testing requirements shall be scheduled and shall be attended by: the GC or CM and all applicable Trade/Sub Construction Managers, the Testing Agency, the Architect, OPM/Clerk of the Works, Structural Engineer, Geotechnical Engineer.

1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed

construction will comply with requirements.

- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Architect.
- C. Mockups: Full-size, physical assemblies that are constructed on-site. Mockups are used to verify selections made under sample submittals, to demonstrate aesthetic effects and, where indicated, qualities of materials and execution, and to review construction, coordination, testing, or operation; they are not Samples. Approved mockups establish the standard by which the Work will be judged.
- D. Laboratory Mockups: Full-size, physical assemblies that are constructed at testing facility to verify performance characteristics.
- E. Preconstruction Testing: Tests and inspections that are performed specifically for the Project before products and materials are incorporated into the Work to verify performance or compliance with specified criteria.
- F. Product Testing: Tests and inspections that are performed by a nationally recognized testing laboratory (NRTL) according to 29 CFR 1910.7; a testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program (NVLAP), or a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with industry standards.
- G. Source Quality-Control Testing: Tests and inspections that are performed at the source, i.e., plant, mill, factory, or shop.
- H. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- I. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- J. Installer/Applicator/Erector: Construction Manager or another entity engaged by Construction Manager as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
  - 1. Using a term such as "carpentry" does not imply that certain construction activities must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to trades-people of the corresponding generic name.
- K. Experienced: When used with an entity, "experienced" means having successfully completed a minimum of five previous projects similar in size and scope to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

#### 1.4 CONFLICTING REQUIREMENTS

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precedence

- A. General: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer uncertainties and requirements that are different, but apparently equal, to Architect for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Architect for a decision before proceeding.

#### 1.5 SUBMITTALS

- A. Qualification Data: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
- B. Testing and Inspection Log: Submit updated copy of log each month with the Application for Payment. Log is kept on Procore and available for everyone, every day. It will not be submitted monthly with pay app.
- C. Reports: Prepare and submit certified written reports that include the following:
  - 1. Date of issue.
  - 2. Project title and number.
  - 3. Name, address, and telephone number of testing agency.
  - 4. Dates and locations of samples and tests or inspections.
  - 5. Names of individuals making tests and inspections.
  - 6. Description of the Work and test and inspection method.
  - 7. Identification of product and Specification Section.
  - 8. Complete test or inspection data.
  - 9. Test and inspection results and an interpretation of test results.
  - 10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.
  - 11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
  - 12. Name and signature of laboratory inspector.
  - 13. Recommendations on retesting and reinspecting.
- D. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

#### 1.6 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this Article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.

- B. **Installer Qualifications:** A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
- C. **Manufacturer Qualifications:** A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- D. **Fabricator Qualifications:** A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- E. **Professional Engineer Qualifications:** A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design, and extent.
- F. **Specialists:** Certain sections of the Specifications require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.
  - 1. Requirement for specialists shall not supersede building codes and regulations governing the Work.
- G. **Testing Agency Qualifications:** An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated, according to ASTM E 329; and with additional qualifications specified in individual Sections; and where required by authorities having jurisdiction, that is acceptable to authorities.
  - 1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.
  - 2. NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.
- H. **Factory-Authorized Service Representative Qualifications:** An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- I. **Preconstruction Testing:** Where testing agency is indicated to perform preconstruction testing for compliance with specified requirements for performance and test methods, comply with the following:
  - 1. Construction Manager responsibilities include the following:
    - a. Provide test specimens representative of proposed products and construction.
    - b. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.
    - c. Provide sizes and configurations of test assemblies, mockups, and laboratory mockups to adequately demonstrate capability of products to comply with performance requirements.
    - d. Build site-assembled test assemblies and mockups using installers who will perform same tasks for Project.
    - e. Build laboratory mockups at testing facility using personnel, products, and methods of



- construction indicated for the completed Work.
- f. When testing is complete, remove test specimens, assemblies, mockups, and laboratory mockups; do not reuse products on Project.
2. Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality-assurance service to Architect, with copy to Construction Manager. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
- J. Mockups: Before installing portions of the Work requiring mockups, build mockups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:
1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect.
  2. Mock-ups shall be constructed by same personnel assigned to the project construction.
  3. Coordinate the work of multiple subcontractors as needed to build complete mockups of multi-component systems.
  4. Notify Architect seven days in advance of dates and times when mockups will be constructed.
  5. ~~Demonstrate the proposed range of aesthetic effects and workmanship.~~
  6. ~~Perform field tests on mock-up panels to show compliance with requirements as specified in individual sections. At a minimum, perform air leakage and water infiltration testing.~~
  7. Obtain Architect's approval of mockups before starting work, fabrication, or construction.
    - a. Allow seven days for initial review and each re-review of each mockup.
  8. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
  9. Demolish and remove mockups when directed, unless otherwise indicated.
- K. Laboratory Mockups: Comply with requirements of preconstruction testing and those specified in individual Sections in Divisions 2 through 50.

Specific colors as selected by Architect, not range. No testing on mock ups, only for constructibility and quality standard.

## 1.7 QUALITY CONTROL – OWNER RESPONSIBILITIES

- A. General: Where quality-control services are indicated as Owner's responsibility in individual specification sections, Owner will engage a qualified testing agency to perform these services.
1. Testing, inspections and commissioning performed by the Owner or the Owner's agents in no way reduces the responsibility of the Construction Manager to meet performance requirements, descriptive criteria and all other requirements of the specifications, nor do these activities on the part of the Owner relieve the Construction Manager from performing Quality Assurance and Quality Control measures specified.
- B. Tests and Inspections: The Owner reserves the right to employ consultants and testing agencies to test the performance of the Work and to inspect the Work for conformance with the Contract Documents.
1. Notice for Testing: The Construction Manager shall give the Owner a minimum 24-hour notice when installations that require testing are ready for testing or inspection.
    - a. Earlier notice shall be given where specified in a given technical section of the Specifications.
    - b. If the Owner's testing agency arrives at the site to test the performance of the work, and

determines that the installation is not ready for testing or inspections, then the Construction Manager shall be responsible for the costs of the testing agency's site visit

2. Availability of Test Results: The results of such tests and inspections will be made available to the Architect and Construction Manager.
3. Correction of Work:
  - a. Where results demonstrate deficiencies in the Work, the Construction Manager shall take all actions necessary to correct the Work in a timely manner at their own expense.
  - b. When the Construction Manager considers the Work to be corrected, further tests and inspections will be performed by the Owner's consultants and testing agencies at the Construction Manager's expense.
- C. Owner will furnish Construction Manager with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.
- D. Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Construction Manager, and the Contract Sum will be adjusted by Change Order.

#### 1.8 QUALITY CONTROL – CONSTRUCTION MANAGER RESPONSIBILITIES

Other than our own QAQC manual and project staff, we have not included costs for any testing and inspection. We could add that cost and service to the GMP if desired.

- A. **Tests and inspections not explicitly assigned to Owner are Construction Manager's responsibility. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Construction Manager by authorities having jurisdiction, whether specified or not.**
  1. Where services are indicated as Construction Manager's responsibility, engage a qualified testing agency to perform these quality-control services.
    - a. Construction Manager shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.
  2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
  3. Where quality-control services are indicated as Construction Manager's responsibility, submit a certified written report, in duplicate, of each quality-control service.
  4. Testing and inspecting requested by Construction Manager and not required by the Contract Documents are Construction Manager's responsibility.
  5. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- B. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing as specified in Division 1 Section "Submittal Procedures."
- C. Retesting/Reinspecting: Regardless of whether original tests or inspections were Construction Manager's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
- D. Testing Agency Responsibilities: Cooperate with Architect and Construction Manager in

performance of duties. Provide qualified personnel to perform required tests and inspections.

1. Notify Architect and Construction Manager promptly of irregularities or deficiencies observed in the Work during performance of its services.
2. Determine the location from which test samples will be taken and in which in-situ tests are conducted.
3. Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Construction Manager.
5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
6. Do not perform any duties of Construction Manager.

- E. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:

Labor is  
NIC unless  
WRA can  
specify  
what that is  
and we can  
price it and  
add to  
GMP

1. Access to the Work.
2. **Incidental labor** and facilities necessary to facilitate tests and inspections.
3. Adequate quantities of representative samples of materials that require testing and inspecting. **Assist agency in obtaining samples.**
4. Facilities for storage and field curing of test samples.
5. **Delivery of samples to testing agencies.**
6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
7. **Security and protection for samples and for testing and inspecting equipment at Project site.**

Need  
WRA or  
ToB to  
provide a  
schedule  
for this  
work now  
or  
exclude.

- F. Coordination: **Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.**

Schedule times for tests, inspections, obtaining samples, and similar activities.

- G. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Submit schedule within 30 days of date established for the Notice to Proceed.

1. Distribution: Distribute schedule to Owner, Architect, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

## PART 2 - PRODUCTS (Not Used)

## PART 3 - EXECUTION

### 3.1 TEST AND INSPECTION LOG

- A. Prepare a record of tests and inspections. Include the following:

1. Date test or inspection was conducted.

Only for tests and  
inspections by CM.  
ToB/WRA to keep log of  
tests and inspections they  
are responsible for.

2. Description of the Work tested or inspected.
3. Date test or inspection results were transmitted to Architect.
4. Identification of testing agency or special inspector conducting test or inspection.

- B. Maintain log at Project site. Post changes and modifications as they occur. Provide access to test and inspection log for Architect's reference during normal working hours.

### 3.2 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.

1. Provide materials and comply with installation requirements specified in other Specification Sections. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible.
2. Comply with the Contract Document requirements for Section 017329 – CUTTING AND PATCHING.

- B. Protect construction exposed by or for quality-control service activities.

- C. Repair and protection are Construction Manager's responsibility, regardless of the assignment of responsibility for quality-control services.

We can't agree to this for testing done by others unless  
ToB/WRA can provide a scope for us to price and  
include in GMP

END OF SECTION

SECTION 014200

REFERENCES

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 DEFINITIONS

- A. General: Basic Contract definitions are included in the Conditions of the Contract.
- B. "Approved": When used to convey Architect's action on Contractor's submittals, applications, and requests, "approved" is limited to Architect's duties and responsibilities as stated in the Conditions of the Contract.
- C. "Directed": A command or instruction by Architect. Other terms including "requested," "authorized," "selected," "required," and "permitted" have the same meaning as "directed."
- D. "Indicated": Requirements expressed by graphic representations or in written form on Drawings, in Specifications, and in other Contract Documents. Other terms including "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated."
- E. "Regulations": Laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, and rules, conventions, and agreements within the construction industry that control performance of the Work.
- F. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- G. "Install": Operations at Project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
- H. "Provide": Furnish and install, complete and ready for the intended use.
- I. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.

1.3 INDUSTRY STANDARDS

- A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
- B. Publication Dates: Comply with standards in effect as of date of the Contract Documents unless otherwise indicated.
- C. Copies of Standards: Each entity engaged in construction on Project should be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.
  - 1. Where copies of standards are needed to perform a required construction activity, obtain copies directly from publication source.
- D. Abbreviations and Acronyms for Standards and Regulations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the organizations responsible for the standards and regulations.

1.4 ABBREVIATIONS AND ACRONYMS

- A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Thomson Gale's "Encyclopedia of Associations" or in Columbia Books' "National Trade & Professional Associations of the U.S."

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 014200

## SECTION 014330

## MOCKUPS

## PART 1 - GENERAL

## 1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

## 1.2 SUMMARY

- A. General: Provide and coordinate mock-up assemblies at Project site for Architect's review and acceptance, in accordance with requirements of the Contract Documents. Refer to individual Specification Sections for mock-up requirements.

## B. Freestanding Mock-Up Schedule:

1. Freestanding **constructability** mock-up of exterior wall, for visual and ~~performance testing~~
2. Freestanding brick mockups, **number as required by Architect** for determination of final approved blend.
3. Typical guardrail/handrail with steel channel – provide one 2'-0" long section of the typical guardrail/handrail configuration for Stairs 1&2. Guardrail/handrail shall include steel channel stringer profile.
4. **(10) Total Paint color mockups (on 4'X4' square of drywall)** for in-field review in order to facilitate selection of final paint colors.
5. Terrazzo – see sample review process in spec section 096620.
6. Epoxy floor – see sample review process in spec section 096710.
7. Metal wall panels (interior) – see sample review process in spec section 097813.
8. ~~Reception desk corner – 3 linear feet~~
9. ~~New books millwork – One 5 foot diameter piece~~

spec'd in Div 9

## C. In-Place Mock-Up Schedule:

1. Typical classroom fully finished (paint, flooring, ceiling, millwork, door, glazing, whiteboards, tack boards)
2. Typical guardrail/handrail at Stair 1 or 2: provide in-place review of the first section installed in field, for review and approval prior to proceeding with the remainder of the installation.

3. Typical Level 01 Perimeter Bench – provide in-place review of the first section of perimeter bench installed in the field (minimum 8ft long section). The finished mockup shall include all components of the perimeter bench and associated systems, including but not limited to the supply air ductwork, radiant heating element, structural supports, enclosure construction, and finish materials. This mockup shall be reviewed and approved prior to proceeding with the remainder of the installation.
4. Interior butt-glazed walls – typical head condition. Provide in-place review of the first (2) panels of butt-glazed walls. In place mockup shall include the base and head track (including embedment of the track within the gypsum soffit walls) the interior glazing panels, and sealant joint between them. The mockup shall be reviewed and approved prior to proceeding with the remainder of the installation.
5. Paint (all colors) (4'x4' area) of final preferred colors.
6. Terrazzo – 10'x10' square area of first work, for review and approval prior to proceeding with the remainder of the installation.
7. Porcelain floor tile and ceramic wall tile – approximately 10sf area of first work, for review and approval prior to proceeding with the remainder of the installation.
8. Large format porcelain wall tile; (3) continuous full-height panels, for review and approval prior to proceeding with the remainder of the installation.
9. Full height markerboard panels; (3) continuous full-height panels, for review and approval prior to proceeding with the remainder of the installation.
10. ACM-1 and ACM-3 Ceiling Panels; (4) continuous hung panels, for review and approval prior to proceeding with the remainder of the installation. One of the (4) panels must include cut-out and installation of an F27 light fixture.

- D. It shall be the responsibility of the Contractor to coordinate the work of the related Specification Sections so that each mock-up meets the specified requirements.
- E. Sustainable Design Intent: Comply with project requirements intended to achieve certification, measured and documented according to the LEED Green Building Rating System, of the US Green Building Council. Refer to Section 018110 - SUSTAINABLE DESIGN REQUIREMENTS, for certification level and certification requirements.
- F. Related Work: The following items are not included in this Section and are specified under designated Sections:**

**1. Section 033000 Cast-in-place Concrete for constructability mockup foundation**

1.3 DEFINITIONS

- A. Freestanding Mock-Ups: Full-size, physical assemblies that are constructed on-site in a protected location.

Schedule does not permit changes to CD's as a result of mock ups.

1. Freestanding mock-ups are not part of the final construction. Freestanding mock-ups will be used to verify selections made under sample submittals, to demonstrate aesthetic effects, qualities of materials and execution, and to review construction, coordination, testing, and operation.
2. Approved freestanding mock-ups establish the standard by which the Work will be judged.
3. Approved freestanding mock-ups remain on site during the balance of construction and are demolished and removed from site at completion of the Work they represent.



- B. In-Place Mock-Ups: Full-size, physical assemblies that are constructed in-place and remain part of final construction.
  - 1. In-place mock-ups will be used to verify selections made under sample submittals, to demonstrate aesthetic effects, qualities of materials and execution, and to review construction, coordination, testing, or operation.
  - 2. Approved in-place mock-ups establish the standard by which the Work will be judged.
  - 3. Approved mock-ups remain part of the completed Work.
  - 4. Remove rejected work based on workmanship issues and rebuild mock-up at no additional cost to the Owner.

#### 1.4 SUBMITTALS

- A. Schedule: Construction Manager shall submit a schedule of mock-up construction, including dates for mock-up review by the Architect.
  - 1. Mock-up schedule shall be reviewed at each progress meeting, revised and resubmitted as required.
  - 2. Schedule shall allow sufficient time for mock-ups which are not accepted to be reconstructed and reviewed until accepted by the Architect.
- B. Shop Drawings of Mock-Ups: Provide large scale shop drawings for fabrication, installation and erection of all parts of each mock-up. Provide plans, elevations, and details of anchorage, connections and accessory items.
- C. Photographs of Mock-Ups: Submit photographs of mock-ups after completion of installation and acceptance of each mock-up.
- D. Submittal Samples: Refer to individual Specification Sections for submittal requirements of mock-up components and coordinate accordingly.

#### 1.5 QUALITY ASSURANCE

- A. Design Modifications: Make design modifications to work only as required to meet performance requirements and to coordinate the work. Indicate proposed design modifications on shop drawings. Maintain original design concept without altering profiles and alignments indicated.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS AND PRODUCTS

- A. Provide materials, components, and products for mock-ups as specified in individual Specification Sections.

### PART 3 - EXECUTION

#### 3.1 GENERAL

- A. Refer to PART 3, EXECUTION portions of the various Specification Sections for specific requirements regarding condition of surfaces, erection, and erection tolerances.

### 3.2 FIELD MOCK-UP OF EXTERIOR WALL

- A. Provide a field mock-up of the exterior wall at location and in configuration indicated on Drawings. The exterior wall mock-up shall include the veneer systems and backup, one window and all related flashings and sealants, etc. Obtain Architect's acceptance of visual qualities prior to commencing work that individual mock-up is intended to represent. Protect and maintain approved mock-ups throughout the work of the Contract. Locate mock-ups at the Project site as directed by the Architect.
1. Refer to Drawings for extent of the field mock-up.
  2. Provide modifications to mock-up as required until Architect's approval has been received.

### 3.3 FIELD MOCK-UP OF INTERIOR CONSTRUCTION

- A. Provide a field mock-up of the interior construction items at locations and in configuration indicated on Drawings or as otherwise directed. Obtain Architect's acceptance of visual qualities prior to commencing work that individual mock-up is intended to represent. Protect and maintain approved mock-ups throughout the work of the Contract. Locate mock-ups at the Project site as directed by Architect.
1. Refer to Drawings for extent of the field mock-up.
  2. Provide modifications to mock-up as required until Architect's approval has been received.
- B. Interior Construction Mock-ups: Provide mock-ups of various interior construction as indicated or as specified in the applicable Specification Sections, as directed by the Architect.

### 3.4 INDIVIDUAL MOCK-UPS

- A. Provide individual mock-ups of types and sizes required by individual Specification Sections to evaluate and set the standard of quality for that work. Obtain Architect's acceptance of visual qualities prior to commencing work that individual mock-up is intended to represent. Protect and maintain approved mock-ups throughout the work of the Contract. Locate mock-ups at the Project site as directed by the Architect.
1. Provide as many mock-ups as required until Architect's approval has been received.
  2. When indicated in individual Specification Sections, approved mock-ups may be incorporated into the finish work.

### 3.5 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair and restore substrates and finishes.
1. Provide materials and comply with installation requirements specified in other Specification Sections. Restore patched areas and extend restoration into adjoining areas with durable seams that are as non-visible as possible.
- B. Protect construction exposed by or for quality-control service activities.

We can't agree to this for testing done by others unless ToB/WRA can provide a scope for us to price and include in GMP

3.6 REMOVAL AND DISPOSAL

- A. Demolish and remove mock-ups from site at the completion of the Project. Legally dispose of demolished mock-up materials. Comply with requirements of Section 017400 – CONSTRUCTION WASTE MANAGEMENT.

END OF SECTION

SECTION 015000  
TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following:
  - 1. Temporary facilities and services.
  - 2. Temporary water.
  - 3. Weather protection
  - 4. Temporary heating and ventilating
  - 5. Temporary humidity control.
  - 6. Temporary electricity and lighting
  - 7. Temporary telephone
  - 8. Temporary sanitary facilities
  - 9. Temporary fire protection
  - 10. Temporary stairs and ladders
  - 11. Temporary hoists and chutes
  - 12. Staging and scaffolding
  - 13. Temporary use of elevators
  - 14. Temporary enclosures
  - 15. Protection of work, property and the public
  - 16. Security of the work
  - 17. Rodent control.
  - 18. Water control
  - 19. Snow and ice control
  - 20. Construction fence
  - 21. Project signs
  - 22. Temporary offices

1.3 SUBMITTALS

- A. General: Refer to Section 013300 – SUBMITTAL PROCEDURES, for submittal provisions

and procedures.

- B. Informational Submittals: Submit the following plans for temporary protection and facilities as specified in this Section:
1. Weather protection plan
  2. Temporary humidity control procedures
  3. Temporary heating plan
  4. Temporary fire protection plan.

#### 1.4 TEMPORARY FACILITIES AND SERVICES

- A. Construction Manager shall be responsible for arranging and providing temporary facilities and general services at the site as specified herein and as otherwise required for proper and expeditious prosecution of work. Except as otherwise specified, the Construction Manager shall pay costs for all temporary facilities and general services until Final Acceptance of the Work and shall remove same at completion of the Work.
- B. All such services and facilities shall comply with applicable Federal, State and local regulations.
- C. Construction Manager shall make all connections to existing services and sources of supply, shall provide all necessary installations, labor, materials, and equipment, in a manner subject to the approval of the Architect and the Owner, shall remove temporary installations and conditions when no longer required, and shall restore the services and sources of supply to proper operating condition as approved by the Architect.
- D. Discontinuance of any temporary service prior to the completion of any portions of the Work shall not render the Owner liable for any additional cost resulting therefrom.
- E. Should a change in location of any temporary equipment be necessary in order for the Work to progress properly, Construction Manager shall remove and relocate such equipment as required without additional cost to the Owner.
- F. Temporary Lot for Trailers: Construct temporary trailer lot shown on approved Logistics Plan for temporary use of Owner and Construction Manager during construction. Demolish temporary lot and restore area for permanent use as shown on Drawings.

#### 1.5 TEMPORARY WATER

- A. Furnish potable water for construction purposes for trades at a point within 10 feet of building being constructed. Make arrangements and pay charges for water service installation, maintenance, and removal thereof, and pay costs of water for all trades. Table A states that water and sewer connection and usage is paid by ToB
- B. After installation, permanent water supply and distribution system may be used as source of water for construction purposes, provided that the Construction Manager pays applicable municipal water costs and assumes responsibility for damage to water distribution system and pays costs of restoration of system where so damaged.
- C. Temporary pipe lines and connections from the permanent service line, either outside or

- within the building, necessary for the use of the Construction Manager and his Subcontractors shall be installed, protected and maintained at the expense of the Construction Manager.
- D. ~~In addition to temporary lines and connections, the Construction Manager shall at the Construction Manager's expense install a temporary meter in a frostproof box in such location and in such manner as may be approved by the Architect.~~ <sup>Per table A, by ToB. We can add the cost?</sup>
- E. Provide an adequate supply of drinking water from approved sources of acceptable quality, satisfactorily cooled, for Construction Manager's employees and those of his Subcontractors. Where required, furnish drinking water in suitable containers and provide single-service cups for use of employees. Drinking water dispensers shall be conveniently located in building where work is in progress.
- F. At completion of construction work, temporary water service equipment and piping shall be removed by Construction Manager.

#### 1.6 WEATHER PROTECTION

- A. It is the intent of these Specifications to require the Construction Manager to provide temporary enclosures and heat to permit construction work to be carried on during the months of October through April and in compliance with Local General Laws. These Specifications are not to be construed as requiring enclosures or heat for operations that are economically infeasible to protect in the judgment of the Architect. Included in this category, without limitation, are such items as site work, excavation, pile driving, steel erection, erection of certain exterior wall panels, roofing, and similar operations.
- B. "Weather Protection" shall mean the temporary protection of that work adversely affected by moisture, wind and cold, by covering, enclosing and/or heating. This protection shall provide adequate working areas during the months of October through April consistent with the approved construction schedule to permit the continuous progress of all work necessary to maintain an orderly and efficient sequence of construction operations. The Construction Manager shall furnish and install all "weather protection" material and be responsible for all costs, ~~including heating required to maintain temperature of 40 degrees F. at the working surface.~~ This provision does not supersede any specific requirements for methods of construction, curing of materials or to performance obligations of the Construction Manager.
- C. Within 30 calendar days after award of Contract, the Construction Manager shall submit in writing to the Architect for approval, three (3) copies of his proposed methods for weather protection.
- D. Installation of weather protection shall comply with all safety regulations including provisions for adequate ventilation and fire protection.
- E. Determination of extent of work to be performed during winter months shall be by the Construction Manager, with Owner's approval provided that work shall proceed at such a rate as to insure Substantial Completion on or before the stipulated date in accordance with the Progress Schedule.
- F. Be responsible for providing protection against damage to materials and work installed in freezing weather by providing special heat and coverings to prevent damage by the

weather protection is means and methods.

elements. Protect the ground surfaces under footings, under pipelines, under masonry, under concrete and other work subject to damage, against freezing or ice formation. If low temperature makes it impossible to continue operations safely in spite of cold weather precautions, cease work, and so notify the Architect.

### 1.7 TEMPORARY HEATING AND VENTILATING

Means and methods

- A. Within thirty (30) calendar days after commencement of work under this Contract, the Construction Manager shall submit in writing to the Architect for approval, three (3) copies of his method and time schedule for heating during construction, which shall concur with his general Progress Schedule.
- B. Temporary weather-tight enclosures and temporary heating shall be provided by the Construction Manager as required during construction to make the building weather-tight and to protect work from freezing and frost damage. All costs of closing in buildings, and **all costs of temporary heat** shall be paid for by the Construction Manager until Substantial Completion.
- C. Construction Manager shall provide for temporary heating and shall pay fuel costs for heating directly to the utility company. In areas of building where work is being conducted, temperature shall be continuously maintained as specified in Sections of Specifications ~~but not less than 50 degrees F. nor more than 75 degrees F.~~
- D. Furnish and install one accurate recording Fahrenheit thermometer at a place designated by the Owner, located as directed by the Owner in order to determine that the specified temperatures are being maintained.
- E. When work has progressed sufficiently for installation of glazing, Construction Manager may, if approved by Architect, use glazed windows or curtainwall in place of temporary enclosures. Permanent glazing shall be protected against damage from mortar, cement, plaster, and other like items, and from damage by other trades; and upon completion of work shall be thoroughly cleaned, damaged component parts including glass shall be satisfactorily repaired or replaced, and windows and curtainwall left in perfect condition, prior to Substantial Completion.
- F. Where building systems are inoperable, temporary heating shall be by smokeless portable unit heaters, steam generators or forced warm air heaters (UL, Factory Mutual, Fire Marshall approved), located outside building or vented to the outside. Construction Manager shall pay for fuel, maintenance and attendance required in connection with temporary heat. Surfaces, interior or exterior, damaged by use of these space heaters shall be replaced by new materials or be refinished to the satisfaction of the Architect without additional cost to the Owner. Use of oil burning "salamanders" is forbidden and nonvented open flame heaters will not be permitted inside after the building is closed in. Do not use propane-fueled heaters inside building or near stockpiles of combustible materials.
- G. Make periodic inspections of the equipment and controls to insure proper operation of the system, as conditions require, and report any failings. Installation and operation of weather protection and heating devices shall comply with all safety regulations including provisions for adequate ventilation and fire protection.
- H. Upon conclusion of temporary heating period, Construction Manager shall remove temporary piping, temporary radiators, other equipment and pay costs in connection with repairing

utility costs are allowances

damaged caused by installation or removal of temporary heating equipment and shall thoroughly clean and recondition those parts of permanent heating system used for temporary service.

- I. Provide adequate ventilation as required to keep temperature of building within 10 degrees of ambient outdoor temperature when such ambient temperature exceeds 70 degrees F., and to prevent accumulation of excess moisture in building. Refer to Section for Indoor Air Quality Control, for additional requirements for ventilation during construction

#### 1.8 TEMPORARY HUMIDITY CONTROL

GMP  
includes  
Allowance

- A. **Humidity Control of Enclosed Building:** The Construction Manager shall install the following equipment to monitor and regulate relative humidity as required for the installation of all interior products. Humidity control equipment shall include, but not be limited to, the following:
  1. **Hygrometer:** Provide one device to measure temperature and relative humidity in each construction area.
  2. **Dehumidifier,** as required to maintain humidity of enclosed areas below 70%:
  3. **Fans:** As required to eliminate significant variation in humidity levels within enclosed spaces.
- B. **Schedule for Humidity Control:** Relative humidity shall be maintained within the limits set by manufacturers of all interior materials and equipment. Refer to individual specification sections in Divisions 6, 9, 10, 11 and 12 for additional environmental requirements. No interior construction product shall be installed or applied prior to enclosure of building and installation of temporary humidity control measures.
- C. **Within 30 calendar days after award of Contract,** the Construction Manager shall submit in writing to the Architect for approval, three (3) copies of his proposed methods for humidity control.

#### 1.9 TEMPORARY ELECTRICITY AND LIGHTING

GMP  
includes  
Allowance

- A. Make arrangements as required with local electric company for temporary electric service, pay expenses in connection with installation, operation, and removal thereof, and pay cost of energy consumed by all trades until Substantial Completion of the building. Construction Manager shall make payments for electrical service directly to the electric company.
- B. Take care not to overload equipment and lines. Provide and relocate temporary electric meters as required.
- C. **Power:** Provide power distribution as required throughout new structure 120/208 volt, 3 phase, 60 cycle AC. Termination of power distribution shall be at one location in each major section of building, approximately at center. Termination shall be provided complete with circuit breakers, disconnect switches and other electrical devices as required to protect power supply system. Submit plan showing electrical distribution locations for Architect's approval.
- D. **Lighting:** Temporary lighting system shall be furnished, installed and maintained by Construction Manager as required to satisfy minimum requirements of safety and security.



**REVISION: FB-005 – GMP Bid Set – AUGUST 1, 2019**

Temporary lighting system shall afford general illumination in building areas and supply not less than one (1) watt per square foot of floor area for illumination in areas of building where work is being performed. Provide adequate outdoor lighting to illuminate staging, stockpiles, trenches, projections, office trailers and other like items, to the satisfaction of the Architect and Owner, and general illumination throughout adequate for watchmen and emergency personnel.

- E. Safety: All temporary equipment and wiring for power and lighting shall be furnished and installed in conformity with the National Electrical Code and in accordance with local ordinances and requirements of the municipal power authority. All temporary wiring and accessories shall be maintained in a safe manner and utilized so as not to constitute hazard to persons or property and shall be removed after they have served their purposes.
- F. When permanent electrical power and lighting systems are in operating condition, they may be used for temporary power and lighting for construction purposes, provided that Construction Manager obtains written approval of Architect and Owner. If permanent lighting fixtures are used in temporary light, provide new lamps for fixtures used for temporary light before Substantial Completion of the Work. In addition, provide the following:
  - 1. Replace lamps that burn-out.
  - 2. Replace lamps that get damaged.
  - 3. Limit hours of use of the lights as acceptable to Architect.
  - 4. Clean light fixtures during final cleaning. Lighting protective plastic wrap shall remain on light fixtures to the extent possible, until final cleaning.
- G. At completion of construction work, or at such time as Construction Manager makes use of permanent electrical installation, temporary wiring, lighting and other temporary electrical equipment and devices shall be removed by Construction Manager.

1.10 TEMPORARY TELEPHONE AND HIGH SPEED INTERNET

- A. Arrange with local telephone company to provide direct line telephone service at each ~~construction site~~. Provide: *At office trailers only*
  - 1. One direct line instrument in Field Office for the Construction Manager with electronic answering machine.
  - 2. ~~Two direct line instruments in Field Office of the Clerk of the Works/OPM equipped with electronic answering machine; plus one direct line for facsimile machine in office. Turn over keys to Clerk of the Works, OPM and Architect.~~
  - 3. High Speed internet access, 6.0 Mbps minimum downstream speed, modem to accept the appropriate service provided, and wireless router via DSL, Broadband, Cable, or equal with unlimited internet access to the Field offices of the Construction Manager and ~~Clerk of the Works/OPM.~~
  - 4. Other instruments at the option of the Construction Manager, or as required by regulations.
  - 5. Each Subcontractor shall make his own arrangements for telephone service.
- B. Pay for installation and removal of temporary telephones and facsimile lines and for all calls and fixed charges in connection therewith; including unlimited long-distance calling.
- C. Temporary telephone services shall be maintained until Final Completion of the Work.

1.11 TEMPORARY SANITARY FACILITIES

- A. Construction Manager shall provide an adequate number of toilet facilities with chemical type toilets and temporary lighting rented from and serviced by an approved company, as necessary for all persons engaged on the Work. Provide separate facilities for male and female workers.
- B. Toilets shall be erected in location approved by the Architect and Owner, shall be maintained by the Construction Manager in a clean and orderly condition in compliance with all local and State health requirements, and shall be removed at Substantial Completion of the Work.
- C. Permanent toilet facilities shall not be used by the Construction Manager, Subcontractors or any persons engaged by them during the course of work under this Contract.

without owner approval

1.12 TEMPORARY FIRE PROTECTION

To be provided in compliance with federal, state, local, osha and Skanska standards.

- A. Provide and maintain adequate temporary fire protection in the form of barrels of water with buckets, fire bucket tanks, fire extinguishers, or other effective means of extinguishing fire, ready for instant use, distributed around the Project and in and about temporary inflammable structures during construction of the Work. Provide one fire extinguisher for every 3,000 SF of the building area.
- B. Within 30 calendar days after award of Contract, the Construction Manager shall submit in writing to the Architect, three (3) copies of his proposed methods for fire protection that have been reviewed and approved by the local Fire Department. Post a copy of the approved fire protection plan in the Field Office for reference.
- C. Gasoline and other flammable liquids shall be stored in and dispensed from UL listed safety containers in conformance with National Board of Fire Underwriter's recommendations. Storage shall not be within building.
- D. Make arrangements for periodic inspection by local fire protection authorities and insurance underwriter's inspectors. Cooperate with said authorities and promptly carry out their recommendations.
- E. Tarpaulins used during construction work shall be made of material that is resistant to fire, water, and weather. Tarpaulins shall have UL approval and comply with FS-CCC-D-746.
- F. Torch-cutting and welding operations performed by Subcontractors shall have approval of Construction Manager before such work is started and chemical extinguisher shall be available within sight and not over ten (10) feet from location where such work is in progress.
- G. Do not light fires in or about premises.
- H. Comply with requirements in Section 011400 Work Restrictions.

1.13 TEMPORARY STAIRS AND LADDERS

- A. Each trade shall provide its own ladders.

- B. All such apparatus, equipment and construction shall meet all requirements of Federal, State and local laws applicable thereto.

1.14 TEMPORARY LIFTS AND HOISTS

- A. Each trade shall provide its own lifts, hoists, including associated rigging, and conveyance apparatus.
- B. Construction, maintenance and operation of material hoists shall conform to applicable requirements of the "Standard Safety Code for Building Construction", ANSI; to AGC "Manual" requirements, OSHA, and to State and local regulations.
- C. Temporary lifts and hoists required for proper execution of work shall be properly maintained. Hoists shall be so constructed as to prevent damage, staining and marring of permanent work.
- D. Provide openings in slabs, roofs, walls and partitions, where required, for moving in large pieces of equipment. Close and restore openings and finish them after equipment is in place. Structural modification, shall be subject to prior written approval by the Architect.

1.15 TEMPORARY CHUTES

- A. The Construction Manager shall provide chutes for use by all trades.
- B. Temporary chutes, and similar items required for proper execution of Construction Manager's work and that of his Subcontractors shall be properly maintained. Use of such facilities by other contractors, subcontractors and trades shall be permitted as required by construction schedule. Chutes shall be so constructed as to prevent damage, staining and marring of permanent work.
- C. No materials, rubbish or debris, shall be permitted to drop free, but shall be removed by the use of material hoist and/or fully enclosed rubbish chute.

1.16 STAGING AND SCAFFOLDING

- A. Responsibility for Staging:

- 1. Each trade shall provide staging and scaffolding required for its work.

The sub that provides it or the sub that uses someone else's is responsible.

each Sub/Trade

- B. **Construction Requirements for Staging: ~~The Construction Manager~~ is responsible for safety of staging and scaffolding, including but not limited to the following requirements:**

- 1. Staging shall be of approved design, erected and removed by experienced stage builders, and shall comply with all applicable OSHA standards.
  - 2. Provide accident prevention devices required by State and local laws.

1.17 TEMPORARY USE OF ELEVATOR

Construction manager

- A. Trades shall make arrangements with ~~Elevator Subcontractor~~ for temporary use of elevator, during construction period, and for normal use by all trades and Subcontractors.
- B. Make arrangements for provision of temporary cab enclosure, car, car switches, gate contacts, power, signaling devices, temporary hoistway openings, protection of permanent hoistway entrances and other installed finished work, and pay for all such other items as are necessary to permit temporary operation in accordance with local, State and national codes.
- C. Arrange with Elevator Subcontractor for all necessary maintenance of elevator during period of temporary operation and for restoration of elevators to their original, perfect condition with guarantees as specified. All costs in connection with temporary operation of elevator shall be paid by the Construction Manager.
- D. Do not abuse, overload or otherwise damage elevators in temporary use for construction purposes.
- E. Elevator will be made available to the Owner for use during installation of FF&E, IT and Owner materials at no cost to the Owner.

within the 3 months of elevator operation carried in the GMP, during regular hours, as construction schedule allows and to be coordinated with CM.

1.18 TEMPORARY ENCLOSURES

- A. Provide temporary weathertight enclosure of exterior walls and roof openings as necessary to provide acceptable working conditions, provide weather protection for interior materials, allow for effective temporary heating, and to prevent entry of unauthorized persons.
- B. Sequence the work to avoid damage to materials. Where not possible, provide weatherproof enclosures. **Materials and equipment delivered in weather resistant packaging should remain in that packaging until required for installation.**
- C. Provide temporary exterior doors with self-closing hardware and padlocks. Permanent door enclosures shall not be used as temporary enclosures. Other enclosures shall be removable as necessary for work and for handling of materials.
- D. Refer to Section INDOOR AIR QUALITY CONTROL, for requirements for temporary interior partitions to enclose portions of the work where required for protection of indoor air quality.
- E. Relocate temporary enclosures as required by progress of construction, by operations of the building, or work requirements, and to accommodate legitimate requirements of Owner and Subcontractors employed at the site.
- F. Completely remove temporary materials, equipment and services when enclosure needs can be met by use of permanent construction and at completion of the Project.

1.19 PROTECTION OF WORK, PROPERTY AND THE PUBLIC

- A. Furnish, erect, and maintain, until such time as removal is approved by the Architect, temporary fencing and barricades to extent recommended by OSHA and as otherwise required for the protection of life and property during operations under the Contract.

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- B. Construct barricades and protective facilities in accordance with local and State regulations. Furnish and install all signs, lights, reflectors, and all such protection facilities as may be required.
- C. Construction Manager shall save the Owner harmless from all claims arising from the use of public streets, sidewalks, and adjoining premises for construction purposes.
- D. Keep all access roads and walks clear of debris, materials, construction plant and equipment during building operation. Repair streets, drives, curbs, sidewalks, fences, poles and the like where disturbed in building operation and leave them in as good condition after completion of the Work as before operations started.
- E. Protect all planting, landscaping, trees and site improvements to remain. Refer to requirements in Section 015639 TREE AND PLANT PROTECTION.
- F. The Construction Manager shall be responsible for the maintenance of construction barriers and traffic barriers in order to maintain traffic around the Work with the maximum of safety and practical convenience to such traffic during the life of the Contract, and whether or not work has been suspended temporarily. He shall take all precautions for preventing injuries to persons or damage to property on or about the Work.
- G. Work shall be carried on and barriers erected in such a manner as to provide safe passage at all times for public travel and with least obstruction to traffic. The Construction Manager shall provide and maintain at his own expense in a safe and passable condition such temporary bypasses created by the barriers as may be necessary to accommodate both pedestrian and vehicular traffic.
- H. Whenever gale or high winds are forecast, take proper measurements to secure all loose material, equipment or other items that could blow about and be damaged or cause damage to other work. No such loose items shall be left unsecured at end of working day. Particular attention shall be taken with scaffolding and items placed or stored on roofs or within the structure prior to being enclosed.
- I. Remove all snow and ice which may impede work, damage the finishes or materials, be detrimental to workers, or impede trucking, delivery, or moving of materials at the job site, or prevent adequate drainage of the site or adjoining areas. ~~Maintain sidewalk on Harvard Street adjacent to project site to be clear of all snow and ice.~~

As req'd by DPW and approved CMP

We have snow removal on the site. Have not included adjacent streets, sidewalks, parking lots, bike lanes, etc. Where is this street??

- J. Be responsible for all breakage of glass from the time construction operations commence until the Project is occupied by the Owner. Unless glass has been broken by the Owner or his representatives, or by other separate prime contractors, the cost of glass replacement shall be borne by Construction Manager.

1.20 SECURITY OF THE WORK

We have provided a temporary fence. We don't have any cameras, security guards, etc.

- A. The Construction Manager shall be responsible for providing any and all security precautions necessary to insure adequate protection of his and the Owner's interests.
- B. Take all required measures to protect the Work at all times against fire, storm, theft, vandalism and other losses.

C. ~~The Construction Manager shall be wholly responsible for patrolling and protecting the work under construction and the materials stored on the site; and shall reimburse the Owner for any losses, damage or injury not compensated by insurance, except those directly caused by the Owner, his agents or his employees.~~

D. The Construction Manager shall rebuild, repair, restore and make good all damage to any portion of the Work occasioned by any of the above causes before completion and written acceptance of the completed Work, and shall bear the expense thereof. ~~No extension of time will be allowed in such cases.~~

within the GMP or utilizing insurance as appropriate.

E. Should the Construction Manager fail to take prompt action whenever conditions make it necessary, the Owner may make emergency repairs or cause the same to be made, with the stipulation that the costs for such repairs shall be charged against the Construction Manager and deducted from monies due to him.

#### 1.21 RODENT CONTROL

A. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents and to perform extermination and control procedures at regular intervals so Project will be free of rodents and their residues at Substantial Completion.

1. Obtain extended warranty for Owner. NIC
2. Perform control operations lawfully, using environmentally safe materials.

#### 1.22 WATER CONTROL

A. Take over responsibility for site drainage in work areas upon entering the premises and maintain such drainage during the life of this Contract in a manner approved by the Architect and so as not to adversely affect adjacent areas or abutting property.

B. During the progress of the Work, provide and maintain all required pumps, suction and discharge lines, and power in sufficient number and capacity to keep all excavations, pits, trenches, foundations, and the entire property area free from accumulation of water from any source whatsoever, at all times, and under any and all circumstances and contingencies that may arise.

#### 1.23 SNOW AND ICE CONTROL

A. De-icing Materials:

1. General: Comply with state and local regulations.

B. Snow Storage:

1. General: Comply with state and local regulations.

## PART 2 - PRODUCTS

### 2.1 CONSTRUCTION FENCE

- A. Furnish, install, maintain, and pay for temporary fencing and other protection required for the safety of the Work and of stored materials and equipment. Provide temporary construction fence as required for public safety and protection around entire construction area at the Limit of Work line, as shown on Drawings.
- B. Construction fence shall be ~~eight (8)~~ feet high and of chain link construction with 6 gauge wire at the top and the bottom of the fencing material, erected in a substantial manner, straight, plumb and true and with scrim.  
Using movable fence panels, not gates
- C. Gates shall be ~~built into fence at such approved locations as are necessary, well cross-braced and hung on heavy strap hinges with proper post and hook for double gates.~~ Provide heavy hasps and padlocks for each gate. Provide keys to Owner to facilitate emergency access by Owner's Security Forces and local Police and Fire Department. Gates shall be double-locked to include a Knox padlock for emergency access.
- D. All fencing shall be in accordance with local ordinances and shall be removed at such time before Final Acceptance as the Architect directs. Restore site to acceptable condition after removing fence.

### 2.2 PROJECT SIGNS

- A. Provide in a location designated by the Architect one (1) sign, 4 feet by 8 feet in size, with three 4-inch by 4-inch post supports. Sign shall be fabricated from 3/4 inch thick medium density overlaid exterior plywood, edged continuously with 3/4 inch square pine banding. Apply one coat of exterior primer and two coats of exterior gloss enamel to all surfaces of sign and supports.  
Please provide desired graphics and we can make it
- B. Sign shall be professionally produced and shall indicate: (1) the name of the Project, (2) the name of the Owner, (3) the name of the Construction Manager, (4) names and addresses of the Architect and Consulting Engineers, and (5) the phrase "This Project Funded in Part by the Massachusetts School Building Authority". Graphic images and lettering, including type size, style and colors, will be provided by the Architect prior to beginning of construction. Architect will provide layout in electronic disc format or printed copy for sign production.
- C. Provide directional signs as required to properly control construction traffic at each site.
- D. No other signs or advertisements will be allowed on building or premises.

### 2.3 TEMPORARY OFFICES

- A. Provide, maintain, and pay all costs in connection with temporary offices; including but not limited to office furniture, office equipment, and exhaustible office supplies.
  - 1. Provide 4 trailers, one for the Owner's Project Manager and three for storage.

We have not included  
any costs for Owner,  
OPM, clerk offices.

B. In addition to his own requirements, the Construction Manager shall provide and bear all costs for completely enclosed weathertight structure equal to Williams Scotsman Model MO3512; not less than 35'-0" x 12'-0" in area for use of the Owner's Project Manager, the Architect, and their representatives. The trailer shall have two offices and a conference room, a reasonable amount of natural light, adjustable natural ventilation, and two exterior doors with OSHA approved stairs and dead bolt locks accessible and keyed from the outside. In addition include the following equipment:

1. Heat during cold weather below 60 degrees F.
2. Two desks (30x60 standard double pedestal steel desks with plastic laminate tops, two-drawer letter hanging file on one side, three drawer pedestal on the other side, center pencil drawer. Drawers shall lock; furnish two keys per desk.) and desk chairs (swivel type upholstered chair with arms, fully adjustable seat heights and variable back rests; five caster bases with wheels) in separate offices. One desk and one desk chair in the main area. Include one spring-mounted desk light per desk.
3. One conference table, 72 by 30 inches, with plastic laminate top.
4. Eight straight back folding chairs with cushioned seats.
5. Three Fireproof metal file cabinets (4 drawers each) with locks, hanging frame inserts, hanging file holders and folders (50 per drawer). Drawers shall lock; furnish each cabinet with three keys.
6. One closet.
7. Two sloped surface plan review tables, 42 by 72 inches each, with raised lip at low edge.
8. Two portable plan rack units on casters; 12 stick capacity each. Include twelve 3 knob sticks per unit.
9. Two desk-type telephones with speakerphone feature.
10. One electronic telephone answering machine.
11. One coat rack, consisting of wall mounted panel equipped with eight coat hooks, two 20 gallon wastepaper baskets.
12. One exterior high quality mercury thermometer.
13. Air conditioning during weather above 75 degrees F.
14. 12-inch deep steel wall-mounted shelving, 12 to 15 linear feet.
15. Sufficient number of electric lights (50 fc at desk level over entire area) and outlets.
16. One Dell MFP3115cn Printer/Copier/Scanner/Fax, or equal as approved by OPM. Provide letter, legal and 11 x 17 paper supply and required printer ink cartridges for the duration of the work. Include cable connections to USB port and service program with 3 years parts and labor warranty with 3 years onsite service with response time within 24 hours of notice. Provide technician to setup printer and printer capabilities (print, scan, fax, and other like items) on up to four owner/rep/ clerk computers.
17. One dedicated telephone line for fax.
18. Supplies: Office supplies, including toners for all equipment, ten hard hats, four safety glasses, four safety vests and two raincoats.
19. One water-cooler: Provide dispenser which holds bottled water and furnishes instant hot as well as cold water, supply with flat bottom paper cups, and weekly bottle replacement for the duration of the project.
20. One refrigerator, two door, 3.3 cu ft capacity.
21. One microwave, 0.9 cu ft capacity counter top model.
22. One industrial quality wall-mounted first aid kit sized and supplied for 10 people.
23. One automatic coffee machine equal to 2011-02 Keurig B140 Brewing System including coffee for the duration of the project.
24. One UPS backup power unit, 20 minute capacity, auto shutdown on power failure.
25. Power strip with surge protector, and dust covers for all equipment; provide three..



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~~26. Electronic labeling system: desktop model, Brother # PT2700 or equal. Furnish with tape and other supplies for duration of project.~~

C. Heat and Air Conditioning shall be maintained to provide an indoor air temperature of 76 degrees F at 72 inches above the floor and throughout the space during the cooling season and 70 degrees F at 30 inches above the floor during the heating season.

D. Electrical Convenience Power: Provide convenience outlets for at least 2400 watts and at least 2 convenience circuits independent of the lighting, equipment power, and heating needs.

E. Offices shall be located in location approved by the Architect, shall be maintained by the Construction Manager in a clean and orderly condition, and shall be removed at Substantial Completion. The Construction Manager shall provide a weekly cleaning service in each office, with monthly waxing. Construction Manager shall maintain pathways to trailers from construction site and parking area free of water, snow and ice.

F. Provide routine emergency service for office equipment specified and reasonable quantities of expendable supplies as required for job related use. Consumables include:

1. Fax machine, copiers, printer: toner and paper.
2. Drinking Water: Provide bottled spring water for water dispenser in 6 gallon bottles, delivered as necessary to avoid running out, coffee for machine, and continuous stock of flat bottom cups.
3. Lamps: bulbs and fluorescent lamps of appropriate types and wattage for the trailer fixtures.

G. All office equipment provided under this Section shall be new and unused and shall become the property of the Owner. Equipment and contents of the owner/representative/ clerk shall be relocated to within the school district by a professional moving company at the completion of the project at the expense of the Construction Manager.

We have not included this, but could add to GMP?

All Skanska's equipment may not be new, it only goes to owner if part of GR's and we have not included a moving company for the clerk/OPM.

**PART 3 - EXECUTION (NOT USED)]**

END OF SECTION

We bought what was shown in the Civil Drawings. This entire spec section should be excluded or we can get pricing to comply.

SECTION 015639

TEMPORARY TREE AND PLANT PROTECTION

PART 1 GENERAL

1.1 SUMMARY

- A. Protection of existing trees and plants from damage as a result of the Contractor's operations including, but not limited to:

1. Protection of existing natural woodlands.
2. Marking of clearing limits.
3. Tree protection fencing.
4. Root pruning, construction pruning and vista pruning to improve views from the new building. Only as specified in landscaping specs bought from subs, or we can add to GMP

Landscape dwgs show select ETR trees to be protected and states they may require pruning as directed, therefore should not be excluded

This specification has not been procured from Landscaping Bidders. Tree protection is included as procured and installed/inspected from the earthwork subcontractor and will be maintained as installed. Item 4 Root Pruning, construction pruning and vista pruning for view improvement has not been included. Skanska is aware of one tree on the Cypress project along Cypress Street adjacent to the sidewalk which is potentially requiring canopy pruning to allow for building staging and will utilize CM contingency for this instance only. Balance of this specification is excluded.

1.2 SUSTAINABLE DESIGN REQUIREMENTS

Does this apply to temporary materials like plant protection?

- A. The Owner's sustainability requirements for this Project includes participation in the LEED™ (Leadership in Energy and Environmental Design) Program for "LEEDv4-SC Silver" Certification under the United States Green Building Council's LEED Rating System, LEED for SCHOOLS, Version 4.

- B. Materials, products and procedures within this Section shall contribute to the Project's sustainable design goals, including those defined by the USGBC's LEED V4 Green Building Design and Construction Reference Guide and Section 018110 (Sustainable Design Requirements). Refer to Section 018110 (Sustainable Design Requirements) for the project's target certification level and specific certification requirements. The Contractor shall ensure that the requirements related to the project's sustainability design goals are implemented to the fullest extent. Substitutions, or other changes to the work proposed by the Contractor or their Subcontractors, shall not be allowed if such changes compromise the aforementioned environmental goals and LEED certification.

1.3 RELATED REQUIREMENTS

- A. Examine Contract Documents for requirements that affect work of this Section. Other Specification Sections that directly relate to work of this Section include, but are not limited to:
1. Section 018110, SUSTAINABLE DESIGN REQUIREMENTS
  2. Section 017400, CONSTRUCTION WASTE MANAGEMENT
  3. Section 024113, SELECTIVE SITE DEMOLITION AND REMOVALS: Clearing and grubbing.
  4. Section 312000, EARTH MOVING; Establishment of subgrade elevation.
  3. Section 329300, PLANTING: New plant material.

1.4 REFERENCED STANDARDS

- A. Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.

1. American National Standards Institute (ANSI):

Z133.1 Safety Requirements for Pruning, Trimming, Repairing, Maintaining and Removing Trees, and for Cutting Brush.

2. International Society of Arboriculture (ISA):

Guide Guide for Establishing Values of Trees and Other Plants

3. National Arborist Association (NAA):

Ref. 1 Pruning Standards for Shade Trees

1.5 SUBMITTALS

Trees to be protected and details of such are in drawings, SKA is not proposing these items.

- A. ~~Provide a drawing indicating all trees scheduled to be protected for Architect's approval.~~
- B. ~~Proposed methods, and schedule for effecting tree and plant protection shall be submitted for approval.~~
- C. ~~Proposed methods, materials, and schedule for root pruning, construction pruning, and tree fertilization shall be submitted for approval.~~

1.6 DAMAGE PENALTIES

- A. If any trees or shrubs designated to be saved are damaged and replacement is required, a number and diameter of trees or shrubs of the same species and variety, as specified by the Owner and Architect, shall be furnished and planted by the Contractor. The total inch diameter of the replacement trees or shrubs shall equal the diameter of the tree or shrub to be replaced. The Contractor shall not be liable for any loss or damage which occurs while the Contractor is complying with instructions given by the Owner, Architect, or arborist working on the Project.

1.7 SPECIAL SITE LIMITATIONS

Where are there natural woodlands?

- A. ~~The Contractor's attention is called to the fact that certain areas on the site exist as natural woodland spaces and are to remain as natural woodlands. Therefore, all construction operations must be performed in such a manner which will preserve these existing natural environments as wood preserves.~~
- B. Designated areas of trees, understory, and wildflowers are to remain untouched and unharmed.
- C. Construction activities in the wooded preserve areas are prohibited.
- D. Clearly mark all clearing limits in the field and accompany Architect on a joint review of clearing limits before clearing operations have commenced. Limit of clearing is generally defined as the limit of grading.

- E. No objects are permitted to be attached to trees protected without written authorization by the Architect.

#### 1.8 QUALITY ASSURANCE

- A. Selective pruning and feeding methods shall conform to the applicable requirements of ANSI Z133.1.
- B. **Work of this section shall be completed by a professional ISA Certified Arborist** with a minimum five years experience, who has successfully completed an exam and education program equal to the International Society of Arboriculture (ISA) Certification Program, sponsored by the International Society of Arboriculture 2009, P.O. Box 3129, Champaign, IL 61826 (217) 355-9411; Email: [isa@isa-arbor.com](mailto:isa@isa-arbor.com).
- C. Arborist shall have the following minimum qualifications:
  - 1. Membership in:
    - a. NAA – National Arborist Association
    - b. ISA – International Society of Arborists
  - 2. Meet state requirements for insurance.
  - 3. Licenses for application and use of pesticides.

### PART 2 PRODUCTS

#### 2.1 LEED MATERIAL REQUIREMENTS

- A. Products and materials in this Section shall meet performance criteria and contribute to sustainable design requirements, as specified in Section 018110 (Sustainable Design Requirements). These contributions include, but are not limited to, preconsumer and postconsumer recycled content percentages, regional content percentages, FSC Certified wood, and product VOC content limits.
- B. Recycled Content: Products and materials shall comply with minimum recycled content percentages as specified in 018110 (Sustainable Design Requirements).

#### 2.2 TREE PROTECTION FENCING

- A. Orange plastic fencing, "Nordic Plus II Snow Fence", manufactured by TENAX Corporation, 4800 East Monument Street, Baltimore, Maryland 21205, USA; (p) 410-522-7000 • (t) 800-356-8495 • (f) 410-522-7015, or approved equal.
  - 1. Plastic fence shall be 4 ft. high minimum, with wood or steel posts, spaced approximately 4 ft. apart bound together with at least 13 gauge galvanized steel wire.
  - 2. Posts for fencing shall be 6 ft. painted steel posts, driven a minimum of 2 ft. into the ground.
  - 3. For fencing within the drip line of trees, surface mounted post anchors may be acceptable. Review with Architect and arborist and obtain written approval prior to installing. Post installation shall not damage tree root systems.
- B. Provide laminated "Keep Out" signage as indicated on the Drawings.

- C. Mulch: Pine bark mulch.
- D. Tree Wound Paint: Bituminous based paint of standard manufacture specifically formulated for protection of tree wounds from moisture and insect invasion.

### 2.3 ROOT PRUNING

- A. Mulch materials shall be as specified under Section 329300, PLANTING.
- B. Liquid fertilizer to be applied to root pruned and construction pruned trees shall be Peters M 77 Sequestered-Chelated Soluble Fertilizer manufactured by W.R. Grace and Co., Cambridge, MA 02140, Gold Start Liquid Fertilizer, manufactured by Nutra-Flo Company, 1919 Grand Ave, Sioux City, IA 51106-5708; Phone: 712-277-2011; 800-831-4815; Fax: 712-279-1946; Agro- Culture Liquid Fertilizer, manufactured by Agro-Culture Liquid Fertilizers, 3055 W. M-21, P.O. Box 150, St. Johns, Michigan 48879; 1-800-678-9029, or approved equal. Liquid fertilizer shall be approved by Certified Arborist.
- C. Dormant oil spray shall be a dormant miscible spray equal to Sunspray' Scalecide' or Volck Oil.
- D. Insecticide shall be Isotox manufactured by Ortho; QuickPRO, manufactured by Monsanto; LESCO Sevin Brand SL, #019106, manufactured by LESCO, or approved equal. Insecticide shall be approved by Certified Arborist.

## PART 3 EXECUTION

### 3.1 INSTALLATION OF FENCING

- A. Prior to start of demolition work and clearing and grubbing operations, tree protection fencing shall be installed in accordance with the following:
  - 1. Fencing shall be installed at the tree protection areas indicated on the Drawings.
  - 2. Fencing shall be installed a minimum of 15 ft. beyond the drip line of trees to be protected, unless otherwise approved by the Architect.
- B. Post installation must avoid underground utilities. Tree protection fencing located over steam tunnel/vault locations shall be installed using surface anchors. No poles or stakes shall be driven into the ground at these locations.

### 3.2 PROTECTION FOR EXISTING TREES TO BE PRESERVED:

- A. All trees to be preserved on the property shall be protected against damage from construction operations.
  - 1. Includes associated understory.
- B. Only those trees located within the limits of improvements to be constructed as indicated, shall be removed.
  - 1. All trees to remain shall be flagged for review after the location of improvements to be constructed are staked in the field.

2. Any tree to be removed shall be reviewed by the Architect and Owner for approval prior to removal.
  3. Trees to be preserved are represented by a solid line. Trees to be removed are represented by a dashed or ghosted line. Trees to be planted are graphically differentiated from existing trees.
  4. Obtain approval of installation of tree fencing from Owner and Architect prior to the initiation of any removal of vegetation and construction.
- C. Erect fencing and armor protection prior to beginning any clearing, demolition or construction activity, and unless otherwise instructed, maintain in place until construction is completed.
1. Obtain approval of installation of tree fencing from Owner and Architect prior to the initiation of any removal of vegetation and construction.
  2. Tree protection fencing shall be erected at the edge of the dripline where possible; in extreme circumstances and with the approval of the Architect, fencing may be located at the edge of the root protection zone.
    - a. For trees 10 inch caliper and less, the minimum distance the barrier shall be erected is ten (10) feet from the trunk of tree or clump of trees.
  3. Trees immediately adjacent to and within one hundred feet (100) of any construction activities are to be protected by fencing; subject to approval of the Architect and Owner.
  4. Trees exposed to construction activity within the dripline or within twenty-five (25) feet of any construction activity are to have trunks protected with tree armor in addition to fencing.
  5. The tree protection fencing shall be placed before any excavating or grading is begun and maintained in repair for the duration of the construction work unless otherwise directed.
  6. No material shall be stored or construction operation shall be carried on within the tree protection barricade.
  7. Tree protection fencing shall remain until all work is completed.
  8. Remove tree protection fencing at commencement of finish grading.
- D. Protect trees that are to remain, whether within fencing or not, from the following:
1. Compaction of root area by equipment or material storage; construction materials shall not be stored closer to trees than the farthest extension of their limbs (dripline).
  2. The proposed finished grade within the root protection zone of any preserved tree shall not be raised or lowered more than three (3) inches.
    - a. Retaining methods can be used to protect and/or provide lateral support to the area outside the root protection zone.
  3. Trunk damage by moving equipment, material storage, nailing or bolting.
  4. Strangling by tying ropes or guy wires to trunks or large branches.
  5. Poisoning by pouring solvents, gas, paint, etc., on or around trees and roots.
  6. Cutting on roots by excavating, ditching, etc.
    - a. Prior to excavation within the tree drip lines or the removal of trees adjacent to other trees that are to remain, make a clean cut between the disturbed and undisturbed root zones with a rock saw or similar equipment to minimize root damage.
    - b. Refer to EXCAVATION AROUND TREES paragraph for additional information.
  7. Damage of branches by improper pruning.
  8. Drought from failure to water or by cutting or changing normal drainage pattern past roots. Contractor shall provide means as necessary to ensure positive drainage.

9. Changes of soil pH factor by disposal of lime base materials such as concrete, plaster, lime treatment at pavement subgrade, etc. When installing concrete adjacent to the root zone of a tree, use a minimum 6 mil. plastic vapor barrier behind the concrete to prohibit leaching of lime into the soil.
  10. Do not cut roots 3/4" in diameter or over without approval of Owner's Representative. All excavation and earthwork within the RPZ of trees shall be done by hand.
  11. Protect all existing trees near areas to be stabilized from underground contaminations by placing a 6 mil. Plastic film barrier along exposed vertical cut extending a minimum 12" into undisturbed subgrade below depth of stabilization.
  12. No vehicular traffic shall occur within the drip line of any tree; including parking of vehicles.
  13. No soil shall be spread, spoiled or otherwise disposed of under any tree within the RPZ.
- E. Any damage done to existing tree crowns or root systems shall be repaired by the Arborist to the satisfaction of the Architect and Owner's Representative.
1. Broken branches shall be cut cleanly.
  2. Any roots cut shall be cut cleanly with a saw other means approved by the Architect and Owner's Representative.
- F. Damages to trees caused through negligence of Contractor or his employees will be assessed by Owner and Project Arborist as described in Paragraph 1.5.
- 3.3 ROOT PROTECTION ZONE:
- A. The root protection zone (RPZ) is measured with a radius from the trunk 10'.
1. No disturbance shall occur closer to the tree than one-half the radius of the RPZ or within five (5) feet of the tree whichever is greater.
- 3.4 ROOT PROTECTION ZONE IMPACTS:
- A. Those trees to remain which have some encroachment on their root protection zone shall have the following maximum allowable impacts:
1. Minimum Protection Criteria 'A': No disturbance of natural grade, e.g. trenching or excavation, can occur closer to the tree than one-half the radius of the RPZ or within five (5) feet of the tree whichever is greater.
  2. Minimum Protection Criteria 'B': No cut or fill greater than three (3) inches will be located closer to the tree trunk than 1/2 the RPZ radius distance.
- B. Trees impacted shall have a minimum of a six (6) inch layer of mulch placed and maintained over the root protection zone and the undisturbed area within the dripline.
1. Immediate pruning and fertilization shall occur per the pruning and fertilization sections of this specification.
  2. Provide water in a slow drip manner to impacted trees as approved by the Architect and Owner's Representative.
  3. Provide water to apply equivalent to 1 inch once per week to deeply soak in over the area within the dripline of the tree during periods of hot, dry weather.
  4. Spray tree crowns periodically to reduce dust accumulation on the leaves.

3.5 EXCAVATING AROUND TREES

- A. Excavate within the dripline of trees only where required and when absolutely necessary.
  - 1. Any excavation within the RPZ of trees shall be under the direction of the Arborist.
  - 2. Arborist shall be at site at all times while excavation is occurring within the RPZ.
  - 3. Air spade all removals within the RPZ.
  - 4. Refer to ROOT PROTECTION ZONE (RPZ).
- B. When excavating for new construction is required within the RPZ, air spade and hand excavate to minimize damage to root systems.
  - 1. Use narrow tine spading forks and comb soil to expose roots.
  - 2. Relocate roots back into backfill areas wherever possible.
  - 3. If large main lateral roots are encountered, expose beyond excavation limits as required to bend and relocate without breaking.
  - 4. If root relocation is not practical, clean cut roots using sharp ax approximately three (3) inches back from new construction.
- C. Where existing grade is above new finish grade, carefully excavate within the dripline to the new finish grade.
  - 1. Carefully hand excavate an additional six (6) inches below the finish grade.
  - 2. Use narrow tine spading forks to comb the soil to expose the roots, and prune the exposed root structure as recommended by the Arborist.
  - 3. Keep the exposed roots damp.
  - 4. Treat the cut roots as specified and as recommended by the Arborist.
  - 5. After pruning and treatment of the root structure is complete, backfill to finish grade with eight (8) inches of approved plant mix, or structural soil.
- D. Where noted on plan, use airspade to expose roots for required cutting to accommodate hardscape elements. Architect to verify all cuts prior to proceeding.
- E. Temporarily support and protect roots against damage until permanently relocated and covered with recommended landscape material.

3.6 ROOT PRUNING

- A. Where construction will be in close proximity to existing trees designated to remain, roots shall be pruned. Proximity shall be as determined in the field by the Architect.
- B. Root pruning is the physical cutting of tree roots to minimize root damage and promote healing. Suitable means for root pruning include trenching, vibrating plow, stump grinder. Any method which tears roots or disturbs the soil beyond the grading limit is unacceptable.
- C. Tree to be root pruned shall be root pruned to a depth of 24 in. by means of a trencher or other approved means.
- D. Backfill root pruning trench with existing soil mixed with peat moss or well-rotted sawdust to a mixture of approximately 75% soil and 25% humus. Tamp lightly to set soil



- E. Apply mulch to a depth of 4 in. to 6 in. at minimum 10 ft. to 15 ft. radius around tree to reduce compaction of roots.

### 3.7 GOVERNING STANDARDS

- A. Work procedures will be guided by the current provisions of the American National Standard Institute. Complete detail of the provisions are to be found in the references listed. The two basic objectives of the pruning operation shall include:
  - 1. Hazard Reduction Pruning: Hazard reduction pruning shall be completed to remove visible hazards in a tree. Hazard pruning shall consist of one or more of the maintenance pruning types.
  - 2. Maintenance Pruning: Maintenance pruning shall be completed to maintain and improve tree health and structure and includes hazard reduction pruning.

### 3.8 MAINTENANCE PRUNING TYPES

- A. Both hazard reduction pruning and maintenance pruning shall consist of one or more of the following pruning types:
  - 1. Crown Cleaning: Crown cleaning shall consist of the selective removal of one or more of the following items: dead, dying, or diseased branches, weak branches, water sprouts and stubbed branches.
  - 2. Crown Thinning: Crown thinning shall consist of the selective removal of branches to increase light penetration, air movement, and reduce weight.
  - 3. Crown Raising: Crown raising shall consist of the removal of the lower branches of a tree to provide clearance.
  - 4. Crown Reduction, or Crown Shaping: Crown reduction shall consist of decreasing the height and/or spread of a tree.
  - 5. Vista Pruning: Vista pruning shall consist of selective thinning of framework limbs or specific areas of the crown.
  - 6. Crown Restoration: Crown restoration pruning shall improve the structure, form and appearance of a tree which has been severely headed, vandalized, storm damaged or improperly pruned.

### 3.9 UTILITY PRUNING

- A. Utility pruning shall consist of one or more of the following items:
  - 1. Trees Underneath: Pruning trees growing directly under and growing into the facility/utility space.
  - 2. Trees Along Side: Pruning of trees growing directly along side and growing into or toward the facility/utility space.

### 3.10 SCHEDULE

- A. All of the pruning type(s) as applicable are required at each tree. All pruning shall be completed to remove branches/laterals 1/8 inch and greater. All pruning to be completed before commencement of demolition. .
  - 1. Height clearance:

- a. Pedestrian Areas: 8 feet height clearance from grade unless directed otherwise by Architect and Owner.
- b. Vehicular Areas: 13'-6" height clearance from top of paving unless directed otherwise by Architect and Owner.

3.11 CROWN IMPACTS

- A. Trees impacted by construction shall be limited to a maximum of 30 percent of the viable portion of a tree's crown removed as approved by the Architect and Owner's Representative. Removal of more than 30 percent of the viable portion of a tree's crown will necessitate the tree's removal and replacement at the Contractor's expense.
  1. Replacement shall be governed at the ratio of 1 inch of new tree per inch of tree removed up to trees of size less than 24" caliper. For trees 24" caliper and greater the ratio shall be 3 inches per new tree per inch of tree removed.
  2. Replacement trees are to have a one (1) year warranty; refer to Section 329300, PLANTING.

3.12 APPROVAL

- A. No major limbs or structure will be cut or removed without prior approval of the Architect and Owner's Representative.

3.13 STERILIZATION

- A. All tools used will be sterilized with Clorox Bleach, or approved equal, prior to use and between each tree.
- B. Residue from sterilization operation shall be diluted so as not to damage any vegetation.
- C. At trees known to be diseased and where there is danger of transmitting that disease, tools are to be disinfected after each cut.

3.14 PAINT CUTS

- A. Paint cuts more than 1 inch in diameter with an approved tree wound paint on trees.
  1. Paint cuts within 30 minutes after cutting.

3.15 **FERTILIZATION OF PRESERVED TREES**

- A. All existing trees to be reserved impacted by construction activities taking place within the dripline, including but not limited to trenching and grading, shall be fertilized.
- B. Feeding of existing trees to be impacted by construction shall be accomplished in accordance with the following specifications:
  1. Feeding shall be completed prior to construction of permanent improvements adjacent to all trees including site fill or paving including trenching operations.
  2. Liquid tree fertilizer applied with a standard hydrant sprayer at a pressure of 100 to 200 psi shall be injected in slightly slanted holes approximately twelve (12) inches in depth.

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3. Concentration of suspension to be forty (40) pounds of fertilizer for trees in each 100 gallons of water. Application rate: six (6) pounds of actual nitrogen per 1,000 square feet of area under drip-line.
4. Holes are to be made in concentric circles and 3' on center around the tree with the last ring located at the dripline of the foliage of the trees.
5. Area beneath the dripline of the trees is to be well watered after the fertilization is placed.

3.16 MULCH

- A. Mulch base of all existing trees four (4') feet radius with 3 " deep mulch layer.
  1. If existing trees are grouped, the entire area is to be mulched in between the trees.
- B. Mulch base of all existing trees impacted by construction activities within RPZ with 3" deep mulch layer.
  1. If existing trees are grouped, the entire area is to be mulched in between the trees.

3.17 CLEANUP

- A. Wood and debris shall become property of the Contractor and shall be removed from the site. Cost of disposal to be paid by Contractor.
- B. If acceptable to Owner, wood from tree removal and pruning activities can be double shredded/grinded and used on site as mulch at locations as approved by Architect and Owner.

3.18 REMOVAL OF PROTECTION

- A. All protection shall remain in place throughout the construction period. Remove protection devices only after written permission has been granted by the Architect.

END OF SECTION

SECTION 017400

CONSTRUCTION WASTE MANAGEMENT

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. This Section includes requirements for the Contractor's implementation of waste management controls and systems for the duration of the Work.
- B. Sustainable Design Intent: Comply with project requirements intended to achieve certification, measured and documented according to the LEED Green Building Rating System, of the US Green Building Council. Refer to Section 018110 - SUSTAINABLE DESIGN REQUIREMENTS, for certification level and certification requirements.

- 1. LEED MRp2, Construction and Demolition Waste Management Planning: Develop a waste management plan, quantifying material diversion by either weight or volume to recycle and/or salvage non-hazardous construction and demolition debris.
  - a. Exclude excavated soil and land-clearing debris from calculations.
  - b. Diverted waste includes recycled, salvaged, reused, and donated materials.
  - c. Include materials destined for alternative daily cover (ADC) in the calculations as waste (not diversion).
  - d. Include wood waste converted to fuel (bio-fuel) in the calculations as diversion. Other types of waste-to-energy are not considered diversion for this credit.
- 2. LEED MRc5, Construction and Demolition Waste Management: Comply with one of the following paths, as directed by the LEED Checklist:
  - a. Option 1, Diversion:
    - 1) Path 1: Divert at least 50 percent and three material streams of non-hazardous construction and demolition debris.
    - 2) Path 2: Divert at least 75 percent and four material streams of non-hazardous construction and demolition debris.
  - b. Option 2, Reduction of Total Waste Material: Do not generate more than 2.5 pounds of construction waste per square foot (12.2 kilograms of waste per square meter) of the building's floor area.

TGE Comment: Per the CA kick off meetings and follow up CA check-in meetings, Skanska has developed a draft construction waste management plan and has a strategy to sort some waste on site and provide a breakdown of at least 5 project specific waste streams. Construction waste tracking is underway on the construction sites. CWM management tracking is required to be submitted to the City at the end of construction.

Section and are specified under the

1. Section 011000 - GENERAL REQUIREMENTS for general submittal requirements.
2. Section 024100 - DEMOLITION for demolition, salvage, and reuse requirements.

### 1.3 INTENT

- A. The Owner and Architect have established that this Project shall generate the least amount of waste practical and that processes that ensure the generation of as little waste as possible due to error, poor planning, breakage, mishandling, contamination, or other factors shall be employed.

1. With regard to these goals the Contractor shall develop, for the Architect's review, a Waste Management Plan (WMP) for this Project.

~~a. Final Waste Management Plan shall be submitted for LEED certification.~~

- ~~2. Each Subcontractor shall be responsible for segregating their own waste into different dumpsters as directed by the Contractor.~~

~~3. Source Separation, Definition: Source separated construction or demolition waste materials that are sorted into separate bins on the project site (aka on-site).~~

~~a. This waste strategy often isolates waste materials targeted for reuse, donation, or recycling programs.~~

~~b. Typically, sorted materials on-site include metals, wood, ceiling tiles, furniture, and concrete.~~

- B. Contractor shall be responsible for ensuring that debris will be disposed of at appropriately designated licensed solid waste disposal facilities, as defined by local authorities having jurisdiction or Massachusetts General Laws (MGL) Chapter 111, Section 150A.

- C. Hazardous Wastes: Any unforeseen hazardous wastes shall be separated, stored, and disposed of according to local regulations and as directed by the Owner. Hazardous wastes shall not be included in diversion calculations.

### 1.4 SUBMITTALS

- A. Construction and Demolition Waste Management Plan (WMP): ~~Submit within 21 calendar days after receipt of Notice to Proceed, in a format acceptable to the Owner and in compliance with USGBC requirements. Demolition shall not begin until WMP has been approved.~~

1. Establish waste diversion goals for the project by identifying at least seven materials (both structural and nonstructural) targeted for diversion. Approximate a percentage of the overall project waste that each material represents.

2. Construction and Demolition Handling Facilities:

~~a. Indicate the name(s) of the facilities where construction and demolition waste will be delivered and the applicable tipping fees.~~

~~b. Furnish Contractor's statement of verification that facilities proposed for use are licensed for types of waste to be delivered and have sufficient capacity to receive waste from this project.~~

3. Material Handling Procedures, at Construction and Demolition Handling Facilities:

018110 1.02.A states documentation will not be submitted.

Due to space constraints on site, C&D debris will be comingled on site and seperated off site. Little or no on site source separation will take place.

- a. Indicate annual recycling rates and material streams, as defined by local authorities having jurisdiction or MassDEP.
  - b. Specify which materials shall be source separated or commingled and describe the diversion strategies planned for the project. Describe where the materials will be taken and how the recycling facilities will process the materials.
4. Alternatives to Landfilling: A list of each material proposed to be salvaged or recycled during the course of the Project. Include the following and any additional items proposed:
- a. Cardboard and paper products.
  - b. Clean dimensional wood. If means of diversion is Wood Derived Fuel (WDF) refer to submittal requirements below.
  - c. Beverage containers and employee food containers.
  - d. Concrete.
  - e. Slurry wall materials.
  - f. Bricks and masonry.
  - g. Asphalt.
  - h. Metals from framing, banding, stud trim, ductwork, piping, rebar, roofing, other trim, steel, iron, galvanized sheet steel, stainless steel, aluminum, copper, zinc, lead, brass, and bronze.
  - i. Mechanical and electrical equipment.
  - j. Building components which can be removed relatively intact from existing construction.
  - k. Packaging materials, including cardboard, boxes, plastic sheet and film, polystyrene packaging, wood crates, and plastic pails.
  - l. Glass.
  - m. Scraps from new gypsum wall board (drywall).
  - n. Carpet and pad.
  - o. Acoustical ceiling panels.
  - p. Plastics, including plastic pails, polyethylene sheet, and bubble wrap.
  - q. Rigid foam.
5. Meetings: A description of the regular meetings to be held to address waste management.
6. Materials Handling Procedures, at Project Site: A description of the means by which any waste materials identified above will be protected from contamination, and a description of the means to be employed in recycling the above materials consistent with requirements for acceptance by designated facilities.
- a. Indicate which material streams shall be source separated and which shall be commingled.
7. Transportation: A description of the means of transportation of the recyclable materials (whether materials will be site-separated and self-hauled to designated centers, or whether mixed materials will be collected by a waste hauler and removed from the site) and destination of materials.
- Bi-monthly**
- B. Waste Management Progress Reports: ~~Concurrent with each Application for Payment,~~ submit a written Waste Management Progress Report in the same format as required for Final Report.
1. Provide updated LEED v4 Construction and Demolition Waste Calculator with each progress report.
- C. Waste Management Final Report: Prior to Substantial Completion, submit a written Waste Management Final Report summarizing the types and quantities of materials recycled and

disposed of under the Waste Management Plan. Include the name and location of disposal facilities. Quantity may be measured by either weight or volume; be consistent in calculations. Include the following:

1. Material category, including source separated material streams.
2. Generation point of waste.
3. Total quantity of waste, by weight.
4. Quantity of waste salvaged, both estimated and actual.
5. Quantity of waste recycled, both estimated and actual.
6. Total quantity of waste diverted (salvaged plus recycled).
7. Total quantity of waste diverted (salvaged plus recycled) as a percentage of total waste.

D. Other Submittals:

1. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
2. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
3. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests,

TGE Comment: Per the CA kick off meetings and follow up CA check-in meetings, Skanska has developed a draft construction waste management plan and has a strategy to sort some waste on site and provide a breakdown of at least 5 project specific waste streams.

Records: Indicate receipt and acceptance of waste by licensed to accept them. Include manifests, weight

y: Signed by refrigerant recovery technician responsible that all refrigerant that was present was recovered and ording to EPA regulations. Include name and address of as recovered.

6. Specific LEED v4 Submittals:

- a. Provide completed LEED v4 Construction and Demolition Waste Calculator for LEED MRp2 and MRC5.
- b. Provide final report detailing waste streams generated, ~~including tipping slips~~, disposal rates, and diversion rates.

E. Commingling Waste Vendor Submittals: Provide annual report from local or state government authority and summary attachment of diverted materials with the average annual recycling rate. Figures in the summary must be derived from the annual reports in concise clear language.

1. ~~Commingling waste shall be considered one material stream.~~
2. Provide ~~tipping invoices for commingled waste and~~ the following:
  - a. Vendor's most recent annual report from local or state government authority.
  - b. Vendor's annual report summary attachment of diverted materials in tonnage, with the average annual recycling rate.
3. If Wood Derived Fuel (WDF) was listed as a diverted material in the above, vendors shall furnish a letter from the biomass plant stating their DOE operating permit number and that WDF was received from vendor, for the same year as the annual report.

Due to space constraints on site, multiple on site waste streams will be co-mingled on site and separated off site.

PART 2 - PRODUCTS [Not Used]

Per CA kick-off and regular check-ins, construction waste is being tracked. Waste tickets will be obtained and weights will be reported on the LEED CWM management calculator.

PART 3 - EXECUTION

3.1 PLAN IMPLEMENTATION

A. General: Implement Waste Management Plan as approved by the Architect. Provide containers, storage, signage, transportation, and other items as required to implement WMP for the entire duration of the Contract.

~~1. Deliver waste directly to construction and demolition handling facilities. Do not deliver to transfer stations.~~

B. Commingling Waste: Commingling waste at the job site may be allowed, provided that the following conditions are met:

1. Comminglers shall be included in the Waste Management Plan (WMP).

~~2. Additional comminglers must be pre-approved by the Architect via WMP addenda, prior to tipping on the job site.~~

3.2 WASTE MANAGEMENT PLAN IMPLEMENTATION

A. Manager: The Contractor shall designate an on-site person responsible for instructing workers and overseeing and documenting results of the Waste Management Plan for the Project.

B. Distribution: The Contractor shall distribute copies of the Waste Management Plan to the Job Site Foreman, each Subcontractor, the Owner and the Architect.

C. Instruction: The Contractor shall provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse, and return methods to be used by all parties at the appropriate stages of the Project.

D. Separation Facilities: The Contractor shall lay out and label a specific area to facilitate separation of materials for recycling, salvage, reuse, and return. Recycling and waste bin areas are to be kept neat and clean and clearly marked in order to avoid contamination of materials. Location shall be acceptable to the Architect.

1. Commingling: Waste commingling shall be ~~approved prior to jobsite tipping, per requirements of this Section.~~ **allowed.**

END OF SECTION

Some waste may go direct to transfer stations and will be segregated after transfer from there.



SECTION 017700

CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.
- D. **Track acquisition, review, and transmittal of record documents in a log.**

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Final cleaning
  - 2. Temporary and trial usage
  - 3. Warranties and bonds
  - 4. Closeout requirements
  - 5. Inspection and Submittals for Substantial Completion
  - 6. Monetized Punch List Inspections
  - 7. Final Inspection and Submittals
  - 8. Final application and certificate for payment
  - 9. Post-construction inspection
- B. Related Work includes, but is not limited to, the following Work under other Sections:
  - 1. Dates for Substantial Completion and Final Completion: Division 00.
  - 2. Procedures related to Architect's additional services to complete closeout of Project: Section 011400 – WORK RESTRICTIONS
  - 3. Construction schedule requirements: Section 013200 – CONSTRUCTION PROGRESS DOCUMENTATION.
  - 4. Verification of performance of mechanical and electrical systems: Section 019113 – GENERAL COMMISSIONING REQUIREMENTS.
  - 5. Temporary facilities to be removed at the end of the Project: Section 015000 – TEMPORARY FACILITIES AND CONTROLS.
  - 6. Documents to be submitted as part of Closeout Requirements: Section 017839 – PROJECT RECORD DOCUMENTS

### 1.3 SUBMITTALS

- A. Warranties and Bonds: As specified herein.
- B. Punch Lists: As specified herein.
- C. Submittals for Substantial Completion: As specified herein.
- D. Final Submittals: As specified herein.

## PART 2 - PRODUCTS

### 2.1 CLEANING MATERIALS

- A. Refer to Section 011400 WORK RESTRICTIONS for cleaning materials.

## PART 3 - EXECUTION

### 3.1 FINAL CLEANING

- A. Before final inspection, thoroughly clean the entire exterior and interior areas of the building where construction work has been performed, the immediate surrounding areas, and corridors, stairs, halls, storage areas, temporary offices, and toilets.
  - 1. Allow adequate time in Construction Schedule to perform thorough final cleaning of entire Project.
- B. Refer to Section 011400 WORK RESTRICTIONS for general requirements for cleaning and for cleaning products, and refer to individual specification sections for cleaning requirements for particular products.
- C. Employ professional cleaners for final cleaning operations.
- D. Remove all construction facilities, debris, and rubbish from the Owner's property and legally dispose of same beyond site limits.
- E. Broom clean exterior paved surfaces, and rake clean other surfaces of the grounds.
- F. Sweep, dust, wash, and polish all finished surfaces. This includes cleaning of the Work of all finished trades where needed, whether or not cleaning for such trades is included in their respective Sections.
- G. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels, and other foreign materials from exposed interior and exterior surfaces.
- H. Leave pipe and duct spaces, chases, and furred spaces thoroughly clean.
- I. Wash and ~~polish~~ all new glass on both sides, such Work shall be performed by a contractor

specializing in a window cleaning work.

- J. Clean all ceilings, wall surfaces, floors, window and door frames, hardware, metal work, glass, glazing, enameled metals, and the like.
- K. Repair, patch and touchup marred surfaces to specified finish, to match adjacent surfaces.
- L. Each Subcontractor for mechanical and electrical work, including Plumbing, HVAC, Fire Protection, and Electrical Work shall clean materials and equipment for which they are responsible, leaving the Work in a finished and clean state.
- M. For each mechanical unit that has been in operation during construction, Construction Manager shall clean permanent filters and replace disposable filters with new filters as specified for that mechanical unit, and shall also clean ducts, blowers and coils associated with that unit.
- N. Prior to final completion, Construction Manager shall conduct an inspection of sight-exposed interior and exterior surfaces and all work areas, to verify that the entire Work is clean.
- O. Owner will assume responsibility for cleaning as of time designated on Certificate of Substantial Completion for Owner's acceptance of Work or portion thereof.
- P. Include stripping, sealing, and waxing per Owner's requirements. Refer to technical specifications for additional requirements.

NIC

### 3.2 TEMPORARY AND TRIAL USAGE

- A. Temporary or trial usage by Owner of any mechanical device, machinery, apparatus, equipment, or any Work or materials supplied under the Contract before final completion and written acceptance by the Architect shall not be construed as evidence of acceptance as same.
- B. The Owner reserves the privilege of such temporary or trial usage for such reasonable time as required to properly test such item. Claims for damages due to injury to or breaking of any parts of such Work, when the determined cause is weakness or inaccuracy of structural parts, defective material or workmanship, will not be allowed.
- C. If the Owner so requests, place an approved person or persons to instruct and assist in such trial usage and bear the costs therefor.

### 3.3 WARRANTIES AND BONDS

- A. Compile specified warranties and bonds, review to verify compliance with Contract Documents, and submit to Architect for review and subsequent transmittal, if approved, to the Owner.
- B. Assemble two original signed copies of warranties, bonds and service and maintenance contracts executed by Officers of each of the respective manufacturers, suppliers and subcontractors.

- C. Neatly type Table of Contents in orderly sequence. Provide complete information for each item:
1. Product or work item identification.
  2. Manufacturing or supplying firm, with name of principal, address and telephone number.
  3. Scope of work and of warranty provided.
  4. Date of beginning of warranty, bond or service and maintenance contract. Commence upon date of Substantial Completion for each phase.
  5. Duration of warranty, bond or service maintenance contract. (In no case less than one (1) year).
  6. Information for Owner's personnel:
    - a. Proper procedure in case of failure.
    - b. Instances which might affect validity of warranty or bond.
  7. Construction Manager, name of responsible principal, address and telephone number.
- D. Form of Submittals: Prepare in duplicate packets and in the following format:
1. Size: 8-1/2" x 11". Punch sheets for 3-ring binder. Z-Fold larger sheets to fit into binders.
  2. Cover: Identify each packet with types or printed title "WARRANTIES AND BONDS". List Title of Project, Date and Name of Construction Manager.
  3. Binders: Commercial quality, three-"D"-ring, with durable and cleanable plastic covers.
- E. Time of Submittals:
1. For equipment or component parts of equipment put into service during progress of construction, submit documents within ten (10) days after inspection and acceptance. Otherwise, make submittals before Date of Substantial Completion.
  2. For items of Work where acceptance is delayed materially beyond the Date of Substantial Completion, provide updated submittal within ten days after acceptance, listing the date of acceptance as the start of the warranty period.
- F. Submittals Required: Submit warranties, bond, service and maintenance contracts as specified in the respective Sections of the Specifications.

### 3.4 CLOSEOUT REQUIREMENTS

- A. Punch List: When the Construction Manager submits a complete list of items to be completed or corrected in accordance with subparagraph 9.8.2 of the GENERAL CONDITIONS and the Architect receives the list, the Architect will make an inspection to determine whether the Work or designated portion is substantially complete. The Construction Manager shall submit a schedule indicating when each item will be completed.
- B. If the Architect determines that the Construction Manager's list is not complete, the Architect will notify the Construction Manager. The Construction Manager shall provide a complete list before the Architect will complete his inspection.
- C. If the Architect's inspection discloses any item whether or not included on the Construction Manager's list, which is not in accordance with the requirements of the Contract Documents, the Architect will add the item to the list and will issue a punch list of items to be completed or

corrected before final payment will be made. Such punch list shall not be construed as all-inclusive of the work which the Construction Manager will be required to perform before final payment.

- D. Substantial Completion: Architect will prepare and issue a Certificate of Substantial Completion, AIA G704, complete with signatures of Owner and Construction Manager, accompanied by list of items to be completed or corrected, as verified and amended by the Architect. **Architect will not issue certificates of Substantial Completion until the items listed below in Articles 3.05 and 3.06 have been completed and submitted.**

completion and testing certs for all life safety systems, at a min., will be required for WRA to issue final affidavits in order for CM to obtain TCO

### 3.5 INSPECTION FOR SUBSTANTIAL COMPLETION

- A. In preparation for Substantial Completion, the Construction Manager shall submit written certification that:
1. Contract Documents have been reviewed.
  2. Work has been inspected for compliance with Contract Documents.
  3. Work has been completed in accordance with Contract Documents.
  4. Equipment and systems have been tested in presence of Owner's Representative and are operational **as designed as a complete system.**
  5. Work is completed, and ready for inspection. will be coordinated well in advance
- B. Architect will begin inspection within ← seven (7) days after receipt of above referenced Construction Manager's Certification. schedule requires this to happen immediately, not in 7 days. We could add 7 days to schedule if its a must have item for WRA?
- C. Should the Architect consider the Work is substantially complete in accordance with requirements of Contract Documents, the Architect will request Construction Manager to make Project Closeout submittals.
- D. Should the Architect consider that the Work is not substantially complete:
1. The Architect will notify Construction Manager, in writing, stating reasons.
  2. Construction Manager shall take immediate steps to remedy the stated deficiencies, and send second written notice to the Architect certifying that the Work is complete.

### 3.6 SUBMITTALS FOR SUBSTANTIAL COMPLETION

- A. **Construction Manager shall track submittals for Substantial Completion in a log similar to the construction submittal log**
- B. Construction Manager shall submit the following items at Substantial Completion:
1. Operating and Maintenance Data.
  2. Schedule for training and instruction on new mechanical and electrical systems.
  3. Guarantees and Warranties.
  4. Keys and keying schedule.
  5. Spare Parts and Maintenance Materials.
  6. Roofing Guarantee and Flashing Endorsement.
  7. Evidence of Compliance with requirements of governing authorities.
  8. Punch list with schedule.
  9. Final Record Documents.
  - ~~10. Flush-out documentation including ATC hourly trending reports.~~

- B. Evidence of compliance with authorities' requirements shall include:
  - 1. Certificates of compliance for flame and smoke, and fire rating.
  - 2. Certificates of Inspection:
    - a. Mechanical
    - b. Electrical
  - 3. Certificate of Occupancy
- C. Submit Certificate of Insurance for products and completed operations.
- D. Instructions: Instruct Owner's personnel in the operation of all systems, mechanical, electrical and other equipment.

### 3.7 ATTIC STOCK

- A. **Construction Manager shall track the requirements, acquisition, and transmittal of Attic Stock to the Owner.**

### 3.8 TOOLS AND EQUIPMENT TO THE OWNER

Strike. Owner agreement governs

- A. **Construction Manager shall track all equipment and tools requisitioned for payment through the project on a log that will be furnished to the Owner as requested. The CM shall turn over the tools and equipment at the conclusion of the project. The cost of tools and equipment not returned may be deducted from the final requisition as determined by the Owner.**

CM has been providing a log to date. it's incumbent upon CM to continue to maintain tracking of the whereabouts and conditions of these items and periodically communicate to Owner so any concerns can get resolved during the project.

### 3.9 MONETIZED PUNCHLIST INSPECTIONS

- A. Within 30 days of Substantial Completion, the Architect will produce a Monetized Punch List that assigns a monetary value to each item remaining incomplete or incorrect.
- B. The Construction Manager may request two inspections by the Architect after receipt of the Monetized Punch List, for the purpose of documenting progress toward completion of items on the List.

### 3.10 FINAL INSPECTION

- A. The Construction Manager shall complete or correct all remaining items on the Monetized Punch List in accordance with the time limits stated in the General Conditions.
- B. Certification of Final Completion: When the Construction Manager considers that all of the items on the Monetized Punch List have been completed or corrected, the Construction Manager shall submit written certification that the items on the Monetized Punch List have been completed and corrected. This certification shall include a copy of the Monetized Punch List with the following information added:
  - 1. Indicate beside each item the date when the item was completed or corrected and,
  - 2. In the case of items completed by subcontractors or sub-subcontractors, the name of the Subcontractor or Sub-subcontractor.
- C. The Architect will begin inspection within seven (7) days after receipt of such certification, to determine whether items on the Punch List have been completed.

schedule requires this to happen immediately, not in 7 days. We could add 7 days to schedule if its a must have item for WRA?

### 3.11 FINAL SUBMITTALS

- A. Construction Manager's Affidavit of Payment of Debts and Claims, AIA G706.
- B. Construction Manager's Affidavit of Release of Liens, AIA G706A, with:
  - 1. Consent of Surety to Final Payment: AIA G707.
  - 2. Construction Manager's release or waiver of liens.
  - 3. Separate releases or waivers of liens for subcontractors, suppliers and others with lien rights against property of Owner, together with list of those parties.
- C. All submittals shall be duly executed before delivery to the Architect.

### 3.12 FINAL APPLICATION AND CERTIFICATE FOR PAYMENT

- A. Construction Manager shall submit final application for payment in accordance with requirements of the GENERAL CONDITIONS. within the Owner's Agreement.
- B. Architect will issue final certificate in accordance with provisions of Conditions of the Contract.
- C. Prior to issuance of the Certificate for Final Payment by the Architect, all requirements contained in this Paragraph entitled "Closeout Requirements" and other requirements of the Conditions of the Contract shall be executed, received and approved by the Architect.

Strike. Owner agreement governs

### 3.13 POST-CONSTRUCTION INSPECTION

- A. 10 months after Date of Substantial Completion, the Owner's Project Manager will make visual inspection of Work in company with Owner and Construction Manager to determine whether correction of Work is required, in accordance with provisions of GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS.
- B. For guarantees beyond one year, the Owner's Project Manager will make inspection at request of Owner after notification to Construction Manager.
- C. Owner's Project Manager will promptly notify Construction Manager in writing of any observed deficiencies.

END OF SECTION

SECTION 017839  
PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.
- D. Track completion and submittal of training films and records on a log.

1.2 SUMMARY

- A. The Work of this Section includes, but is not limited to, requirements for the following procedures:
  - 1. Record prints
  - 2. Final record drawings
  - 3. Operations and maintenance submittals and instructions.
  - 4. School Dude product and equipment database information.
- B. Related work includes, but is not limited to, the following work under other Sections:
  - 1. Availability and restriction for use of project electronic files: Section 011400 Work Restrictions.
  - 2. Photographic documentation of construction: Section 011400 Work Restrictions.
  - 3. Availability of electronic files for preparation of record documents: Section 011400 Work Restrictions.
  - 4. Surveying and field engineering: Section 013100 Project Management and Coordination.
  - 5. General requirements for submittals: Section 013300 Submittal Procedures.
  - 6. Other submittals required at the completion of the Work: Section 017700 Closeout Procedures.
  - 7. Sustainable design requirements: Section 018110 – Sustainable Design Requirements.
  - 8. Indoor air quality requirements: Section 018119 – Indoor Air Quality Requirements.

1.3 DEFINITIONS

- A. Record Prints are full sets of black-line of Contract Drawings, kept at the Project Site and marked regularly to record as-built conditions as specified herein.



- B. Final Record Drawings: Electronic files in DWG format prepared from completed and approved Record Prints.
- C. Final Record Coordination Drawings: Electronic files in DWG format prepared from updated prints of approved coordination drawings, to record as-built conditions.

#### 1.4 SUBMITTALS

- A. Record Prints: Periodic submittal of prints of Drawings marked to indicate Work completed and changes in the Work, as specified in this Section:
  - 1. Record Prints We can provide a print out of the redlined drawings that we keep in Procor. Changes to architectural backgrounds would have to be provided by WRA.
  - 2. Coordination Drawing Record Prints
- B. Final Record Drawings: Reproducible drawings, as specified in this Section:
  - 1. Final Record Drawings For final record dwgs, see above, no DWG's.
  - 2. Final Record Coordination Drawings For final coordination drawings, aren't these the same as as built drawings from subs involved in MEP Coord?
- C. Operations and Maintenance Submittals:
  - 1. Maintenance Manuals
  - 2. Schedule of Training and Instruction for mechanical and electrical systems.
- D. School Dude product and database information.
- E. Record Finishes Manual

yes

#### PART 2 - PRODUCTS

##### 2.1 RECORD DOCUMENTS, GENERAL

- A. The Construction Manager shall maintain Record Prints of site plans, landscape drawings, architectural drawings, and structural drawings.
- B. Trade-Contractors shall maintain Record Prints of the Work of the following Sections:
  - 1. Section 210001 - Fire Protection.
  - 2. Section 220001 – Plumbing.
  - 3. Section 230001 – Heating, Ventilating, and Air Conditioning.
  - 4. Section 260001 – Electrical Work.

##### 2.2 RECORD PRINTS

This is done by the subs for progress payments

- A. During the progress of the Work, the Construction Manager shall keep on file at all times one (1) complete set of black line prints of the entire set of Contract Drawings. The set shall be updated daily to record the following information:
  - 1. Status of Work: The set shall be used to indicate the progress of the Work installed by

coloring in the various pipelines, ducts, and apparatus as erected.

2. Revisions: Accurately and promptly update with colored inks, daily as the Work progresses, to accurately record all revisions to the Work, including, but not limited to, the following:
  - a. Fire Protection, Plumbing, Heating and Ventilating, and Electrical Work, wherever Work was installed other than as shown on the Contract Drawings or described in the Specifications
  - b. Locations, elevations, sizes, and other like items of all concealed and buried utilities, ducts, and services, including exterior utility and storm drainage lines.
  - c. The Construction Manager shall be responsible for assuring that the various revisions are delineated by the specific trades involved.
3. The set shall be kept available at all times for use and inspection by the Architect and the Owner.
4. Schedule monthly meetings to review the progress of record prints with the Architect. The progress set must be approved by the Architect in order to be included in the monthly pay application.

Refer to Section 011400 Work Restrictions for Project Electronic Files to be made available for use by the Construction Manager in the preparation of Final Record Drawings.

CM must ensure on-going as-builts are being kept throughout construction phase, and not wait until end of the project, by individual Subs/Trades and will make available to Owner or Design Team to periodically review them.

We have not included any dwg record drawings.

- C. Transfer all information from the updated Record Prints to the electronic files at least once every three months.
  1. For each submission, submit a preliminary electronic set for the Architect's review. Once approved, submit three prints of each updated drawing to the Architect at least three times during construction: when the work is approximately 1/4, 1/2, and 3/4 complete.
  2. When roughing in for any particular area is completed, it shall be shown on the Record Prints and a copy submitted for Architect's review.

### 2.3 FINAL RECORD DRAWINGS Can't do this if work isn't complete, as builts will be provided upon completion of the work.

- A. ~~Before completion of the Work,~~ and when directed by the Architect, the Construction Manager and all indicated subcontractors shall perform the following:
  1. Transcribe all previously recorded information from Record Prints onto the electronic files.
  2. Make all final changes and corrections to the electronic files for the Final Record Drawings.
  3. Signatures Required: The Construction Manager or Trade-Contractor shall sign each drawing for which they are responsible, as certification that the work was installed as shown.
  4. Deliver signed, completed Final Record Drawings to Architect.
- B. ~~Acceptance by the Architect of the completed Final Record Drawings shall be a prerequisite for Substantial Completion.~~
- C. Shop Drawings will not be acceptable as Final Record Drawings for the Project.
- D. The Architect shall be the sole judge of the acceptability of Final Record Drawings.
- E. Special Requirements for Final Record Drawings of Site Work:

This may delay occupancy if there is not Sub Compl.

1. Record Drawings for exterior utilities and other items below grade shall include accurate locations of the following:
  - a. The points where such items enter the building and property lines.
  - b. All turns, offsets, and other changes in direction below grade.
  - c. All valves and other appurtenances.
2. Indicate locations of these items using dimensions to adjacent permanent benchmarks or structures as approved by the Architect. Reliance on scale only to locate any temporary or concealed construction will not be acceptable.
3. Final Record Drawings for work below grade shall be submitted immediately upon completion of utility line installation and prior to concealment of the work
4. Refer to Division 31/32/33 Sections for additional requirements for Final Record Drawings of site work.

#### 2.4 RECORD COORDINATION DRAWINGS

- A. Record progress of the Work and modifications and corrections on a set of prints of approved coordination drawings. Follow procedures as for Record Prints.
- B. Final Record Coordination Drawings shall be prepared using information from approved record copies of coordination drawings as for Final Record Drawings.

#### 2.5 MAINTENANCE MANUALS

- A. Upon Substantial Completion of the Work, submit maintenance schedules, maintenance manuals, and all approved Shop Drawings, presenting full details for care and maintenance of visible surfaces and all equipment furnished and installed under the Contract.
- B. Maintenance manuals shall consist of manufacturer's catalog cuts with descriptive information, lubricating and maintenance instructions, parts lists, usage instructions, names, addresses and telephone numbers where replacement parts and service can be quickly obtained, and all other information required for the Owner to use, maintain, and service the items properly.

#### **C. Additional Requirements for Operations and Maintenance Manuals:**

1. **All O&M's are subject to approval by The Owner as well as the Architect and Consultants.**
2. **All O&M's are to include a list of common parts used for routine maintenance.**
3. **All O&M's are to be broken down into .pdf files with a table of contents to be submitted for approval.**
4. **All O&M are to reference the corresponding submittal number and equipment type on the contract drawings.**
5. **HVAC O&M shall include a matrix on an excel spreadsheet for equipment type (AHU's exhaust fans, etc) and list the number of belts, part # for belts, filter size, filter part number (if available), and filter quantity.**
6. **School dude schedules – see example Equipment Data Retrieval Spreadsheet at the end of this Section.**
7. **Include training sign-in sheets.**
8. **Contact information (including emergency contact information).**

**9. Maintenance schedules.**

- D. Upon Architect's approval of drafts, submit two (2) corrected copies properly bound in a logical and well arranged order, with index, to the Architect for transmittal to the Owner.

2.6 SCHOOL DUDE DATABASE SUBMITTALS

- A. Upon Substantial Completion of the Work, submit information according to Template Guide included at the end of this section.
- B. The Contractor or the specific equipment vendor shall complete the Data Retrieval Spreadsheet as part of project closeout of the mechanical, electrical, plumbing and fire protection. See sample attachment at end of this section of the Data Retrieval Spreadsheet for Brookline High School's Equipment Data Retrieval Spreadsheet. The Construction Manager and trade contractor are responsible for this task during the submittal, installation and O&M manual phases of the project.**
- C. The MEP Coordinator for the Construction Manager shall compile the information gathered by the Trades in the collection of required asset information. This information will be compiled into the Brookline High School's Equipment Data Retrieval Spreadsheet. Information gathered will be used to compile the Computerized Maintenance Management Systems (CMMS).**
- D. Upon Architects approval, submit hard and digital copy to Owner.

2.7 SCHOOL DUDE DATABASE SUBMITTALS

- A. Upon Substantial Completion of the Work, submit information according to Template Guide included at the end of this section.

2.8 RECORD FINISHES MANUAL

- A. Upon Substantial Completion of the Work, submit a finishes manual in PDF format documenting products installed in the project. Include the following:
  - 1. Specification name and number
  - 2. Product name, manufacturer and manufacturer's product number, installing subcontractor, and contact information.
  - 3. Manufacturer's maintenance recommendations.

PART 3 - EXECUTION

3.1 TRAINING AND INSTRUCTIONS

- A. The Construction Manager shall arrange for instruction for the Owner's employees, to insure proper operation of the equipment furnished.

1. It is the intent of this paragraph to require the Construction Manager and the applicable Subcontractors to furnish as much detailed instruction as is necessary to educate the Owner's on-site personnel in the proper use of the equipment.
  2. This instruction shall be provided by a qualified trainer who is also a manufacturer's certified technician with expertise with the specific system or equipment for which training is required. In some cases, this may require more than one visit to the Project by those responsible for the instruction.
  3. The Construction Manager and, in particular, the Plumbing, Heating and Ventilating, and Electrical Subcontractors shall not assume that the Owner's employees possess special expertise or have had any previous experience whatsoever in the operation and maintenance of sophisticated mechanical and electrical equipment.
  4. Submit the schedule and draft agenda for instructional sessions to the Owner. Do not proceed with instruction until Owner has approved schedule.
  5. Refer to specific technical sections for additional requirements specific to particular equipment and systems.
- B. For major items of mechanical and electrical equipment, instructions and demonstrations shall be performed during the initial start-up period and during one or more return visits as may be required.
- C. Videotape: Instruction sessions and demonstrations shall be video-recorded by professional videographers in DVD format, using tripods, broadcast-quality video cameras and proper lighting. Close-ups of items being demonstrated shall be included. Sound recording shall be clear and perfectly intelligible. Video shall be edited as required to provide a permanent reference. Each session and demonstration shall be included, except where waived by the Architect, and all DVDs shall be properly labeled as to date, subject, and presenter. Provide two (2) copies of each DVD.

**ATTACHED: Equipment Data Retrieval Spreadsheet - Brookline High School's Data Collection Database**

END OF SECTION

SECTION 017900

DEMONSTRATION AND TRAINING

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for instructing Owner's personnel, including the following:
  - 1. Instruction in operation and maintenance of systems, subsystems, and equipment.
  - 2. Demonstration and training video recordings.

1.3 INFORMATIONAL SUBMITTALS

- A. Instruction Program: Submit outline of instructional program for demonstration and training, including a list of training modules and a schedule of proposed dates, times, length of instruction time, and instructors' names for each training module. Include learning objective and outline for each training module.
  - 1. Indicate proposed training modules using manufacturer-produced demonstration and training video recordings for systems, equipment, and products in lieu of video recording of live instructional module.
- B. Qualification Data: For instructor.
- C. Attendance Record: For each training module, submit list of participants and length of instruction time.
- D. Evaluations: For each participant and for each training module, submit results and documentation of performance-based test.

may or may not be available depending on each manufacturer; otherwise Subs/Trades will provide live recording onsite

requires clarification of expectation

1.4 CLOSEOUT SUBMITTALS

- A. Demonstration and Training Video Recordings: Submit two copies within seven days of end of each training module.
1. Identification: On each copy, provide an applied label with the following information:
    - a. Name of Project.
    - b. Name and address of videographer.
    - c. Name of Architect.
    - d. Name of Construction Manager.
    - e. Name of Contractor.
    - f. Date of video recording.
  2. Transcript: Prepared in PDF electronic format. Include a cover sheet with same label information as the corresponding video recording and a table of contents with links to corresponding training components. Include name of Project and date of video recording on each page.
  3. At completion of training, submit complete training manuals for Owner's use

1.5 QUALITY ASSURANCE

- A. **Facilitator Qualifications: A firm or individual experienced in training or educating maintenance personnel in a training program similar in content and extent to that indicated for this Project, and whose work has resulted in training or education with a record of successful learning performance.**
- B. Instructor Qualifications: A factory-authorized service representative, complying with requirements in Section 014000 "Quality Requirements," experienced in operation and maintenance procedures and training. by CM or Sub/Trade representative
- C. **Videographer Qualifications: A professional videographer who** is experienced photographing demonstration and training events similar to those required.
- D. Preinstruction Conference: Conduct conference at Project site to comply with requirements in Section 013100 "Project Management and Coordination." Review methods and procedures related to demonstration and training including, but not limited to, the following:
1. Inspect and discuss locations and other facilities required for instruction.
  2. Review and finalize instruction schedule and verify availability of educational materials, instructors' personnel, audiovisual equipment, and facilities needed to avoid delays.
  3. Review required content of instruction.
  4. For instruction that must occur outside, review weather and forecasted weather conditions and procedures to follow if conditions are unfavorable.

1.6 COORDINATION

- A. Coordinate instruction schedule with Owner's operations. Adjust schedule as required to minimize disrupting Owner's operations and to ensure availability of Owner's personnel.
- B. Coordinate instructors, including providing notification of dates, times, length of instruction time, and course content.

- C. Coordinate content of training modules with content of approved emergency, operation, and maintenance manuals. Do not submit instruction program until operation and maintenance data have been reviewed and approved by Architect.

#### 1.7 INSTRUCTION PROGRAM

- A. Program Structure: Develop an instruction program that includes individual training modules for each system and for equipment not part of a system, as required by individual Specification Sections.
- B. Training Modules: Develop a learning objective and teaching outline for each module. Include a description of specific skills and knowledge that participant is expected to master. For each module, include instruction for the following as applicable to the system, equipment, or component:
  - 1. Basis of System Design, Operational Requirements, and Criteria: Include the following:
    - a. System, subsystem, and equipment descriptions.
    - b. Performance and design criteria if Contractor is delegated design responsibility.
    - c. Operating standards.
    - d. Regulatory requirements.
    - e. Equipment function.
    - f. Operating characteristics.
    - g. Limiting conditions.
    - h. Performance curves.
  - 2. Documentation: Review the following items in detail:
    - a. Emergency manuals.
    - b. Systems and equipment operation manuals.
    - c. Systems and equipment maintenance manuals.
    - d. Product maintenance manuals.
    - e. Project Record Documents.
    - f. Identification systems.
    - g. Warranties and bonds.
    - h. Maintenance service agreements and similar continuing commitments.
  - 3. Emergencies: Include the following, as applicable:
    - a. Instructions on meaning of warnings, trouble indications, and error messages.
    - b. Instructions on stopping.
    - c. Shutdown instructions for each type of emergency.
    - d. Operating instructions for conditions outside of normal operating limits.
    - e. Sequences for electric or electronic systems.
    - f. Special operating instructions and procedures.
  - 4. Operations: Include the following, as applicable:
    - a. Startup procedures.
    - b. Equipment or system break-in procedures.
    - c. Routine and normal operating instructions.
    - d. Regulation and control procedures.



- e. Control sequences.
  - f. Safety procedures.
  - g. Instructions on stopping.
  - h. Normal shutdown instructions.
  - i. Operating procedures for emergencies.
  - j. Operating procedures for system, subsystem, or equipment failure.
  - k. Seasonal and weekend operating instructions.
  - l. Required sequences for electric or electronic systems.
  - m. Special operating instructions and procedures.
5. Adjustments: Include the following:
- a. Alignments.
  - b. Checking adjustments.
  - c. Noise and vibration adjustments.
  - d. Economy and efficiency adjustments.
6. Troubleshooting: Include the following:
- a. Diagnostic instructions.
  - b. Test and inspection procedures.
7. Maintenance: Include the following:
- a. Inspection procedures.
  - b. Types of cleaning agents to be used and methods of cleaning.
  - c. List of cleaning agents and methods of cleaning detrimental to product.
  - d. Procedures for routine cleaning.
  - e. Procedures for preventive maintenance.
  - f. Procedures for routine maintenance.
  - g. Instruction on use of special tools.
8. Repairs: Include the following:
- a. Diagnosis instructions.
  - b. Repair instructions.
  - c. Disassembly; component removal, repair, and replacement; and reassembly instructions.
  - d. Instructions for identifying parts and components.
  - e. Review of spare parts needed for operation and maintenance.
- 1.8 PREPARATION
- A. Assemble educational materials necessary for instruction, including documentation and training module. Assemble training modules into a training manual organized in coordination with requirements in Section 017823 "Operation and Maintenance Data."
  - B. Set up instructional equipment at instruction location.

1.9 INSTRUCTION

- A. **Facilitator: Engage a qualified facilitator to prepare instruction program and training modules, to coordinate instructors, and to coordinate between Contractor and Owner for number of participants, instruction times, and location.** ← **By CM or Sub/Vendor**
- B. Engage qualified instructors to instruct Owner's personnel to adjust, operate, and maintain systems, subsystems, and equipment not part of a system.
1. Architect will furnish an instructor to describe basis of system design, operational requirements, criteria, and regulatory requirements.
  2. Owner will furnish Contractor with names and positions of participants.
- C. Scheduling: Provide instruction at mutually agreed-on times. For equipment that requires seasonal operation, provide similar instruction at start of each season.
1. Schedule training with Owner through Construction Manager, with at least seven days' advance notice.
- D. Training Location and Reference Material: Conduct training on-site in the completed and fully operational facility using the actual equipment in-place. Conduct training using final operation and maintenance data submittals.
- E. Evaluation: At conclusion of each training module, assess and document each participant's mastery of module by use of a demonstration]performance-based test.
- F. Cleanup: Collect used and leftover educational materials and give to Owner. Remove instructional equipment. Restore systems and equipment to condition existing before initial training use.

1.10 DEMONSTRATION AND TRAINING VIDEO RECORDINGS

by CM or Sub/Trade representative

- A. **General: Engage a qualified commercial videographer to record demonstration and training video recordings.** Record each training module separately. Include classroom instructions and demonstrations, board diagrams, and other visual aids, but not student practice.
1. At beginning of each training module, record each chart containing learning objective and lesson outline.
- B. Digital Video Recordings: Provide high-resolution, digital video in MPEG format, produced by a digital camera with minimum sensor resolution of 12 megapixels and capable of recording in full HD mode with vibration reduction technology.
1. Submit video recordings on CD-ROM or thumb drive.
  2. File Hierarchy: Organize folder structure and file locations according to Project Manual table of contents. Provide complete screen-based menu.
  3. File Names: Utilize file names based on name of equipment generally described in video segment, as identified in Project specifications.
  4. Contractor and Installer Contact File: Using appropriate software, create a file for inclusion on the equipment demonstration and training recording that describes the following for each Contractor involved on the Project, arranged according to Project Manual table of contents:

- a. Name of Contractor/Installer.
  - b. Business address.
  - c. Business phone number.
  - d. Point of contact.
  - e. Email address.
- C. Recording: Mount camera on tripod before starting recording, unless otherwise necessary to adequately cover area of demonstration and training. Display continuous running time.
1. Film training session(s) in segments not to exceed 15 minutes.
    - a. Produce segments to present a single significant piece of equipment per segment.
    - b. Organize segments with multiple pieces of equipment to follow order of Project Manual table of contents.
    - c. Where a training session on a particular piece of equipment exceeds 15 minutes, stop filming and pause training session. Begin training session again upon commencement of new filming segment.
- D. Light Levels: Verify light levels are adequate to properly light equipment. Verify equipment markings are clearly visible prior to recording.
1. Furnish additional portable lighting as required.
- E. Narration: Describe scenes on video recording by audio narration by microphone while video recording is recorded. Include description of items being viewed.
- F. Transcript: Provide a transcript of the narration. Display images and running time captured from videotape opposite the corresponding narration segment.
- G. Preproduced Video Recordings: Provide video recordings used as a component of training modules in same format as recordings of live training.

PART 2 - PRODUCTS

PART 3 - EXECUTION

END OF SECTION

SECTION 018110

SUSTAINABLE DESIGN REQUIREMENTS

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.02 SUMMARY

- A. The Project is required to meet the Town of Brookline LEED Certifiable requirements. LEED credits and data will be collected and reported to the Owner and Architect, but will not be submitted to LEED or LEED-online.
- B. Section includes general requirements and procedures for compliance with certain prerequisites and credits needed for Project to obtain "LEED Version 4 for Building Design and Construction Schools" (LEED v4 BD+C Schools) Silver certification based on USGBC's LEED v4 BD+C Schools.
  - 1. Specific requirements for LEED are also included in other Sections.
  - 2. Some LEED prerequisites and credits needed to obtain LEED certification depend on product selections and may not be specifically identified as LEED requirements. Compliance with requirements needed to obtain LEED prerequisites and credits may be used as one criterion to evaluate substitution requests and comparable product requests.
  - 3. A copy of the LEED Project checklist is attached at the end of this Section for information only.
    - a. Some LEED prerequisites and credits needed to obtain the indicated LEED certification depend on aspects of Project that are not part of the Work of the Contract.
  - 4. Definitions included in the "LEED Version 4 for Building Design and Construction" (LEED v4 BD+C) Reference Guide and online amendments apply to this Section.
- C. Related Work: The following items are not included in this Section and are specified under the designated Sections:
  - 1. Section 013300 - SUBMITTAL PROCEDURES for general submittal requirements.
  - 2. Section 017400 - CONSTRUCTION WASTE MANAGEMENT.
  - 3. Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.

GENERAL NOTE: Skanska assumes that compliance with any and all LEED requirements have been specifically included in the Contract Documents in the trade specific specification sections required to obtain compliance. Should a product be listed in the trade specific specification section that conflicts with Division 1 Sustainable Design Requirements, we have included the product as identified in the trade specific specifications. It is the Architect's responsibility to specify products that comply with the Sustainable Design Requirements.

4. Section 019113 - GENERAL COMMISSIONING REQUIREMENTS.
5. Divisions 01 through 49 Sections for LEED requirements specific to the work of each of these Sections. ~~Requirements may or may not include reference to LEED.~~

1.03 DEFINITIONS

See general note on page 1. All individual spec sections must reference pertinent LEED requirements. This is particularly important with 149A Trade Contract bids.

- A. Bio-Based Materials: Materials that meet the Sustainable Agriculture Network's Sustainable Agriculture Standard. Bio-based raw materials shall be tested using ASTM D 6866 and be legally harvested, as defined by the exporting and receiving country.
- B. CDPH Standard Method v1.1: California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, v. 1.1–2010, for the emissions testing and requirements of products and materials.
- C. Chain-of-Custody (COC): A procedure that tracks a product from the point of harvest or extraction to its end use, including all successive stage of processing, transformation, manufacturing, a distribution.
- D. Chain-of-Custody Certificates: Certificates signed by manufacturers and fabricators certifying that wood used to make products was obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001.
- E. Composite Wood and Agrifiber: Products made of wood particles and/or plant material pressed and bonded with adhesive or resin such as particleboard, medium density fiberboard (MDF), plywood, wheatboard, strawboard, panel substrates, and door cores.
- F. Corporate Sustainability Report: A third-party verified report that outlines the environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain.
- G. Environmental Product Declaration (EPD): An independently verified report based on life-cycle assessment studies that have been conducted according to a set of common rules for each product category and peer-reviewed.
  1. Product-Specific Declaration: A product with a publicly available, critically reviewed life-cycle assessment conforming to ISO 14044 that has at least a cradle to gate scope.
  2. Industry-Wide (Generic) EPD: Provide products with third-party certification (Type III), including external verification, in which the manufacturer is explicitly recognized as a participant by the program operator. EPD must conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930 and have at least a cradle to gate scope.
  3. Product-Specific Type III EPD: A product with a third-party certification, including external verification, in which the manufacturer is explicitly recognized by the program operator. EPD must conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930 and have at least a cradle to gate scope.
- H. Extended Producer Responsibility (EPR): Measures undertaken by the maker of a product to accept its own and sometimes other manufacturers' products as postconsumer waste at the end of the products' useful life.
- I. Health Product Declaration Open Standard (HPD): A standard format for reporting product content and associated health information for building products and materials.

- J. Indoor Air Quality (IAQ) Management Plan: Plan developed by the Contractor to provide a healthy indoor environment for workers and building occupants during construction. Plan must meet or exceed the recommendations of the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) "IAQ Guidelines for Occupied Buildings Under Construction."
- K. Leadership Extraction Practices: Products that meet at least one of the responsible extraction criteria, which include: extended producer responsibility; bio-based materials; FSC wood products; materials reuse; recycled content; and other USGBC approved programs.
- L. Material Cost: The dollar value of materials being provided to the site, after Contractor mark-ups, including transportation costs, taxes, fees, and shop labor, but excluding field equipment and field labor costs.
- M. Materials Reuse: Reuse includes salvaged, refurbished, or reused products.
- N. Multi-Attribute Optimization: Third party certified products that demonstrate impact reduction below industry average in at least three of the following six categories: global warming potential; stratospheric ozone depletion; acidification; eutrophication; tropospheric ozone creation; nonrenewable resource depletion.
- O. Passive (As Related to MEP): Not part of the active portions of the Mechanical, Electrical, and Plumbing systems, for example piping, pipe insulation, ducts, duct insulation, conduit, plumbing fixtures, faucets, showerheads, and lamp housings.

LEED CA credit documentation is required by the City to be submitted prior to CoO. Per LEED CA kick-off meetings and regular check-in meetings, it is understood that LEED tracking spreadsheets and backup documentation will be provided by Skanska. This work and regular LEED CA meetings are underway.

Recycled content is the sum of postconsumer recycled content plus one-half of preconsumer recycled content, based on cost.

Waste material is defined as waste material generated by households or by commercial, industrial, and institutional facilities in their role as end users of the product, and that is not intended to be used for its intended purpose.

Recycled material is defined as material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials, such as rework, regrind, or scrap generated in a process and capable of being reclaimed within the same process as the original material.

- Q. Regional Materials: Materials that are extracted, harvested, recovered, and manufactured within a radius of 100 miles from the Project site.
- R. Volatile Organic Compounds (VOC) Emissions Test: Refer to CDPH Standard Method v1.1 definition.

#### 1.04 ADMINISTRATIVE REQUIREMENTS

- A. ~~Work of this project includes completed building and application for LEED certification. Work is not complete until Owner has accepted USGBC's final review of LEED certification.~~
  - 1. ~~Provide documentation required by LEED and LEED review.~~
- B. Provide materials and procedures necessary to obtain LEED prerequisites and credits required in this Section. Other Sections may specify requirements that contribute to LEED prerequisites and credits. Refer to other sections for additional materials and procedures necessary to obtain LEED prerequisites and credits.

Strike, 1.02.A states documentation will not be submitted.

2 LEED CA kick-off meetings were held and LEED CA check-in meetings are underway.

C. Respond to questions and requests for additional information from Architect and the USGBC regarding LEED credits until the USGBC has made its determination on the project's LEED certification application.

D. LEED Submittals: Submit data on progress on credits to the Architect at least monthly and as necessary to document LEED credits for submittals required in this Section.

E. LEED Conference: Schedule and conduct a conference at a time convenient to Owner and Architect within 21 days prior to commencement of the work. Advise Architect, Owner's Commissioning Authority, and Owner's Project Manager of scheduled meeting dates.

1. Attendees: Authorized representatives of Owner, Owner's Commissioning Authority, Owner's Project Manager, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.

2. Agenda: LEED goals for the project, Contractor's action plans, and discussion of targeted LEED credits and Credits. Prepare and distribute minutes to attendees and other entities with authority for obtaining LEED Credits.

1.05 ACTION SUBMITTALS

A. General: Submit additional LEED submittals required by other Specification Sections:

1. Submit each LEED submittal simultaneously with applicable product submittal.

B. LEED Documentation Submittals:

1. General, Sustainable Materials Attributes Form: Project submittals must be accompanied by a completed Sustainable Materials Attributes Form. Submittal packages must also include highlighted documentation supporting the sustainability claims made on the Sustainable Materials Attributes Form.

a. Provide location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material.

2. EAp3, Building-Level Energy Metering: Product data for meters, sensors, and data collection system used to provide continuous metering of building energy-consumption performance.

3. MRp2/MRc5, Construction and Demolition Waste Management: Comply with submittal requirements of Section 017419 - CONSTRUCTION WASTE MANAGEMENT.

4. MRc2, Building Product Disclosure and Optimization: Environmental Product Declarations complying with LEED requirements.

5. MRc3, Building Product Disclosure and Optimization, Sourcing of Raw Materials: Option 2, Leadership Extraction Practices.

a. Bio-Based Materials: Product data and certification for bio-based materials, indicating that they comply with requirements. Include statement of costs.

b. Certified Wood: Product data and chain-of-custody certificates for products containing certified wood. Include statement indicating cost for each certified wood product.

Strike, 1.02.A states documentation will not be submitted.

Strike, per general note, all products are specified as compliant so progress reports are not required. We will submit for record 1 time at the completion of work.

Strike, Owner consultant to conduct conference.

LEED reports/tracking spreadsheets are required for submission to the City and that work is underway.

Strike, Skanska will make best faith effort to submit material reporting form with submittals, but won't always be able to. Since Architect will only specify compliant products material reporting forms for record should not be a big deal.

Reporting forms will be provided by may not be concurrent

Reporting  
Reporting

- c. Materials Reuse: Receipts for salvaged and refurbished materials used for Project, indicating sources and costs.
  - d. Recycled Content: Product data and certification letter from product manufacturers, indicating percentages by weight of postconsumer and preconsumer recycled content for products having recycled content. Include statement of costs.
6. MRc4, Building Product Disclosure and Optimization, Material Ingredients: Option 1, Material Ingredient Reporting.
- a. Material ingredient reports for products that comply with LEED requirements for material ingredient reporting, including but not limited to the following:
    - 1) Manufacturer Inventory.
    - 2) Health Product Declaration.
    - 3) Cradle to Cradle certifications.
    - 4) Declare product labels.
    - 5) UL Product Lens certifications.
7. EQp2/EQc3/EQc4, Indoor Air Quality: Comply with submittal requirements of Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.
8. EQc2, Low-Emitting Materials: Product data, indicating VOC content and emissions testing documents showing compliance with requirements for low-emitting materials, for the following materials:
- a. Paints and coatings.
  - b. Adhesives and sealants.
  - c. Flooring.
  - d. Products containing composite wood or agrifiber products or wood glues.

Cost data will be provided for MRc3. That work is underway.

Cost data will be provided on individual material reporting forms

06 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For LEED coordinator.
- B. ~~Project Materials Cost Data: Provide statement indicating total cost and shop labor for materials used for Project. Costs exclude site labor, overhead, and profit. Include breakout of costs for the following categories of items:
  - 1. Wood construction materials.
  - 2. Furniture.
  - 3. Passive plumbing materials.
  - 4. Passive mechanical (HVAC) materials.
  - 5. Passive electrical materials.
  - 6. Earthwork and exterior improvements, hard costs.~~
- C. LEED Action Plan Components: Provide preliminary submittals within 30 days of date established for commencement of the Work indicating how the following requirements will be met:
  - 1. MRp2/MRc5, Waste management plan, complying with Section 017419 - CONSTRUCTION WASTE MANAGEMENT.

Complete plans will be submitted once complete, preliminary action plans will not be.



- ~~2. EQp2/EQ3/EQ4, Indoor air quality plan, complying with Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.~~

**Bi-monthly**

D. LEED Progress Reports: ~~Concurrent with each Application for Payment,~~ submit reports comparing actual construction and purchasing activities with LEED action plans for the following:

1. MRp2/MRc5, Waste reduction progress reports complying with Section 017419 - CONSTRUCTION WASTE MANAGEMENT.
2. MRc2, Building product disclosure and optimization – environmental product declarations.
3. MRc3, Building product disclosure and optimization – sourcing of raw materials.
  - a. General: Manufacturing locations.
  - b. Option 2:
    - 1) Bio-based materials.
    - 2) Certified wood products.
    - 3) Materials reuse.
    - 4) Recycled content.
4. MRc4, Building product disclosure and optimization – material ingredients.

Strike, Except MRp2, per general note, all products are specified as compliant so progress reports are not required. We will submit for record 1 time at the completion of work.

Progress reports on LEED tracking is required. Per the CA kick off meetings and regular follow up CA check-in meetings underway, LEED tracking is underway and progress updates are being provided by Skanska. Materials requirements listed in Part 2 Products must be tracked and documented.

materials.

materials Tracking Sheet monitoring the project's progress towards Indoor Environmental Quality Credits. Tracking Sheet to be discussed at construction meetings.

y, during construction, complying with Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.

- ~~7. EQp1, Indoor air quality assessment, complying with Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.~~

1.07 QUALITY ASSURANCE

- A. LEED Coordinator: Engage an experienced LEED-Accredited Professional to coordinate LEED requirements. LEED coordinator may also serve as waste management coordinator.

PART 2 - PRODUCTS

2.01 MATERIALS, GENERAL

- A. ~~Provide products and procedures necessary to obtain LEED credits required in this Section. Although other Sections may specify some requirements that contribute to LEED credits, the Contractor shall determine additional materials and procedures necessary to obtain LEED credits indicated. Contractor to determine a combination of credit options best suited for achieving credits required.~~

GENERAL NOTE: Skanska assumes that compliance with any and all LEED requirements have been specifically included in the Contract Documents in the trade specific specification sections required to obtain compliance. Should a product be listed in the trade specific specification section that conflicts with Division 1 Sustainable Design Requirements, we have included the product as identified in the trade specific specifications. It is the Architect's responsibility to specify products that comply with the Sustainable Design Requirements.

1. Exclusions: Special equipment, such as elevators, escalators, process equipment, and fire suppression systems, is excluded from the credit calculations. Also excluded are products purchased for temporary use on the project, like formwork for concrete.

## 2.02 BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION

- A. MRc2, Building Product Disclosure and Optimization, Environmental Product Declarations (EPD): Option 1. Provide at least 20 permanently installed products (sourced from at least 5 different manufacturers) which meet one of the disclosure criteria:

1. Product-Specific Declaration: Valued as one quarter (1/4) of a product.
2. Industry-Wide (Generic) EPD: Valued as one half (1/2) of a product.
3. Product-Specific Type III EPD: Valued as one whole product.

- B. MRc3, Building Product Disclosure and Optimization, Sourcing of Raw Materials: Option 2, Leadership Extraction Practices. Provide products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project:

1. Bio-based materials
2. Certified Wood: Wood-based materials include, but are not limited to, the following materials when made from wood, engineered wood products, or wood-based panel products:

- a. Rough carpentry.
- b. Miscellaneous carpentry.
- c. Heavy timber construction.
- d. Wood decking.
- e. Metal-plate-connected wood trusses.
- f. Structural glued-laminated timber.
- g. Finish carpentry.
- h. Architectural woodwork.
- i. Wood paneling.
- j. Wood veneer wall covering.
- k. Wood flooring.
- l. Wood lockers.
- m. Wood cabinets.

3. Recycled content.
  - a. Exceptions: Do not include furniture, fire protection, operational plumbing, operational mechanical, and operational electrical components, and specialty items, such as elevators and equipment, in the calculation.

- C. MRc4, Building Product Disclosure and Optimization, Material Ingredients: Option 1, Material Ingredient Reporting.

1. Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm), which meet one of the following disclosure criteria:
  - a. Manufacturer Inventory.
  - b. Health Product Declarations (HPDs).

- c. Cradle to Cradle (C2C) certifications.
- d. Declare product labels.
- e. UL Product Lens certifications.

2.03 LOW-EMITTING MATERIALS

- A. EQc2, Low-Emitting Materials, General Emissions Requirements: Products must demonstrate they have been tested and determined compliant in accordance with California Department of Public Health, (CDHP), Standard Method v1.1-2010, using the applicable exposure scenario. Manufacturer’s documentation demonstrating compliance must state the range of total VOCs (tVOC) after 14 days measured as specified in the CDPH Standard Method v1.1 as follows:
- 1. 0.5mg/m<sup>3</sup> or less,
  - 2. between 0.5 and 5.0 mg/m<sup>3</sup> or,
  - 3. 0.50 mg/m<sup>3</sup> or more.
- B. EQc2, Low-Emitting Materials, Paints and Coatings: For field applications that are inside the weatherproofing system, use paints and coatings that comply with the limits for VOC content when calculated according to the California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or the South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011.

| Product Type:  | Allowable VOC Content (g/L): |
|--|------------------------------|
| Bond Breaker   | 350                          |
| Clear wood finishes - Varnish  | 275                          |
| Clear wood finishes – Sanding Sealer                                     | 275                          |
| Clear wood finishes - Lacquer  | 275                          |
| Colorant – Architectural Coatings, excluding IM coatings                 | 50                           |
| Colorant – Solvent Based IM  | 600                          |
| Colorant - Waterborne IM   | 50                           |
| Concrete – Curing compounds  | 100                          |
| Concrete – Curing compounds for roadways & bridges                       | 350                          |
| Concrete surface retarder  | 50                           |
| Driveway Sealer  | 50                           |
| Dry-fog coatings   | 50                           |
| Faux finishing coatings - Clear topcoat                                  | 100                          |
| Faux finishing coatings – Decorative Coatings                            | 350                          |
| Faux finishing coatings - Glazes   | 350                          |
| Faux finishing coatings - Japan  | 350                          |
| Faux finishing coatings – Trowel applied coatings                        | 50                           |
| Fire-proof coatings  | 150                          |
| Flats  | 50                           |
| Floor coatings   | 50                           |
| Form release compounds   | 100                          |
| Graphic arts (sign) coatings   | 150                          |
| Industrial maintenance coatings  | 100                          |
| Industrial maintenance coatings – High temperature IM coatings           | 420                          |
| Industrial maintenance coatings – Non-sacrificial anti-graffiti coatings | 100                          |
| Industrial maintenance coatings – Zinc rich IM primers                   | 100                          |

|  |     |
|--|-----|
| Magnesite cement coatings              | 450 |
| Mastic coatings                        | 100 |
| Metallic pigmented coatings            | 150 |
| Multi-color coatings                   | 250 |
| Non-lat coatings                       | 50  |
| Pre-treatment wash primers             | 420 |
| Primers, sealers and undercoaters      | 100 |
| Reactive penetrating sealers           | 350 |
| Recycled coatings                      | 250 |
| Roof coatings                          | 50  |
| Roof coatings, aluminum                | 100 |
| Roof primers, bituminous               | 350 |
| Rust preventative coatings             | 100 |
| Stone consolidant                      | 450 |
| Sacrificial anti-graffiti coatings     | 50  |
| Shellac- Clear                         | 730 |
| Shellac – Pigmented                    | 550 |
| Specialty primers                      | 100 |
| Stains                                 | 100 |
| Stains, interior                       | 250 |
| Swimming pool coatings – repair        | 340 |
| Swimming pool coatings – other         | 340 |
| Traffic Coatings                       | 100 |
| Waterproofing sealers                  | 100 |
| Waterproofing concrete/masonry sealers | 100 |
| Wood preservatives                     | 350 |
| Low solids coatings                    | 120 |

- C. EQc2, Low-Emitting Materials, Paints and Coatings: For field applications that are inside the weatherproofing system, paints and coatings shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- D. EQc2, Low-Emitting Materials, Adhesives and Sealants: For field applications that are inside the weatherproofing system, use adhesives and sealants that comply with the limits for VOC content when calculated according to South Coast Air Quality Management District (SCAQMD) Rule #1168, requirements in effect on July 1, 2005, and rule amendment date January 7, 2005:

| Architectural Applications:         | Allowable VOC Content (g/L): |
|-------------------------------------|------------------------------|
| Indoor carpet adhesives             | 50                           |
| Carpet pad adhesives                | 50                           |
| Outdoor carpet adhesives            | 150                          |
| Wood flooring adhesives             | 100                          |
| Rubber floor adhesives              | 60                           |
| Subfloor adhesives                  | 50                           |
| Ceramic tile adhesives              | 65                           |
| VCT and asphalt tile adhesives      | 50                           |
| Dry wall and panel adhesives        | 50                           |
| Cove base adhesives                 | 50                           |
| Multipurpose construction adhesives | 70                           |
| Structural glazing adhesives        | 100                          |
| Single ply roof membrane adhesives  | 250                          |

| Specialty Applications:  |     |
|--|-----|
| PVC welding  | 510 |
| CPVC welding   | 490 |
| ABS welding  | 325 |
| Plastic cement welding   | 250 |
| Adhesive primer for plastic  | 550 |
| Computer diskette manufacturing  | 350 |
| Contact adhesive   | 80  |
| Special purpose contact adhesive   | 250 |
| Tire retread   | 100 |
| Adhesive primer for traffic marking tape   | 150 |
| Structural wood member adhesive  | 140 |
| Sheet applied rubber lining operations specialty                                 | 850 |
| Top and Trim adhesive  | 250 |
| Substrate Specific Applications:   |     |
| Metal to metal substrate specific adhesives                                      | 30  |
| Plastic foam substrate specific adhesives  | 50  |
| Porous material (except wood) substrate specific adhesives                       | 50  |
| Wood substrate specific adhesives  | 30  |
| Fiberglass substrate specific adhesives  | 80  |
| Sealants:  |     |
| Architectural sealant  | 250 |
| Marine deck sealant  | 760 |
| Nonmember roof sealant   | 300 |
| Roadway sealant  | 250 |
| Single-ply roof membrane sealant   | 450 |
| Other sealant  | 420 |
| Sealant Primers:   |     |
| Architectural non-porous sealant primer  | 250 |
| Architectural porous sealant primer  | 775 |
| Modified bituminous sealant primer   | 500 |
| Marine deck sealant primer   | 760 |
| Other sealant primer   | 750 |
| Other  |     |
| Other adhesives, adhesive bonding primers, adhesive primers or any other primers | 250 |

1. Exception: The provisions of SCAQMD Rule 1168 do not apply to adhesives and sealants subject to state or federal consumer product VOC regulations.
- E. EQc2, Low-Emitting Materials, Adhesives and Sealants: For field applications that are inside the weatherproofing system, adhesives and sealants shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
  - F. EQc2, Low-Emitting Materials, Flooring: Flooring shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
  - G. EQc2, Low-Emitting Materials, Composite Wood: Composite wood, agrifiber products, and adhesives shall be made using ultra-low-emitting formaldehyde (ULEF) resins as defined in the

California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or shall be made with no added formaldehyde.

H. Additional Low-Emitting Requirements:

1. If the applicable regulation requires subtraction of exempt compounds, any content of intentionally added exempt compounds larger than 1% weight by mass (total exempt compounds) must be disclosed.
2. If a product cannot reasonably be tested as specified above, testing of VOC content must comply with ASTM D2369-10; ISO 11890, part 1; ASTM D6886-03; or ISO 11890-2.
3. Methylene chloride and perchloroethylene may not be intentionally added in paints, coatings, adhesives, or sealants.

2.04 INDOOR WATER USE REDUCTION

- A. WEp2, Indoor Water Use Reduction, Appliances: Provide US EPA ENERGY STAR labeled or performance equivalent appliances, where applicable.
- B. WEp2/WEc2, Indoor Water Use Reduction, Plumbing Fixtures: Do not exceed water flow requirements indicated in Division 22 - PLUMBING.
  1. Provide US EPA WaterSense labeled plumbing fixtures, where applicable.

PART 3 - EXECUTION

3.01 NONSMOKING BUILDING

By Owner, not construction

- A. ~~EQp2, Environmental Tobacco Smoke Control: Smoking is not permitted within the building or within 25 feet (8 m) of entrances, operable windows, or outdoor-air intakes.~~
  1. Refer to Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.

3.02 CONSTRUCTION WASTE MANAGEMENT

- A. MRp2/MRc5, Construction and Demolition Waste Management: Comply with Section 017419 - CONSTRUCTION WASTE MANAGEMENT.

3.03 CONSTRUCTION INDOOR-AIR-QUALITY MANAGEMENT

- A. EQc3/EQc4, Construction Indoor Air Quality Management Plan: Comply with Section 018119 - CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT.

3.04 LEED V4 FOR SCHOOLS SCORECARD

- A. Refer to Section 018111.

3.05 LEED V4 MATERIALS REPORTING FORM

- A. Refer to Section 018112.

END OF SECTION

SECTION 018119

CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to Division 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS and DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.
- B. Examine all other Sections of the Specifications for requirements that affect work of this Section, whether or not such work is specifically mentioned in this Section.
- C. Coordinate Work with that of all other trades affecting or affected by Work of this Section. Cooperate with such trades to assure the steady progress of all Work under the Contract.

1.2 SUMMARY

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
  - 1. LEED EQp1, Environmental Tobacco Smoke Control: Prevent exposure of building systems to environmental tobacco smoke during construction.
  - 2. LEED EQc3, Construction Indoor Air Quality Management Plan: Requirements for minimum indoor air quality (IAQ) performance standards during the construction period.
  - 3. LEED EQc4, Indoor Air Quality Assessment: Requirements for assessment of minimum indoor air quality (IAQ) performance standards through either building flush-out or air testing before occupancy
- B. Sustainable Design Intent: Comply with project requirements intended to achieve certification, measured and documented according to the LEED Green Building Rating System, of the US Green Building Council. Refer to Section 018110 - SUSTAINABLE DESIGN REQUIREMENTS, for certification level and certification requirements.
- C. Related Work: The following items are not included in this Section and are specified under the designated Sections:
  - 1. Section 013200 – CONSTRUCTION PROGRESS DOCUMENTATION: Scheduling requirements for building flush-out.
  - 2. Section 013300 - SUBMITTAL PROCEDURES for general submittal requirements.
  - 3. Section 015000 - TEMPORARY FACILITIES AND CONTROLS for temporary construction facilities, protection, and controls.
  - 4. Section 017419 - CONSTRUCTION WASTE MANAGEMENT for demolition and construction waste management.
  - 5. Section 018119 – SUSTAINABLE DESIGN REQUIREMENTS: Sustainable design requirements
  - 6. Section 075400 – THERMOPLASTIC MEMBRANE ROOFING: Sealing of air intakes during roofing installation.



7. Division 23 – HVAC: For coordination with HVAC requirements, temporary and permanent filters, and other provisions for air handling systems
8. Divisions 02 through 49 Specification Sections for specific requirements relating to indoor air quality.

### 1.3 PERFORMANCE REQUIREMENTS

A. LEED EQp1, Environmental Tobacco Smoke Control: At a minimum, take the following measures:

1. Comply with Owner's Non-Smoking Campus Policy.
2. Do not allow smoking in enclosed portions of the project site, on the rooftop, or in construction trailers.
  - a. This prohibition includes electronic cigarettes.
3. Locate exterior designated smoking areas at least 25 feet away from entries, outdoor air intakes, and operable windows. Provide signage for designated smoking areas, located within 10 feet of each entry. Provide ash receptacles and clean areas daily.

B. LEED EQc3, Construction Indoor Air Quality Management Plan: During construction, comply with the following requirements:

1. Coordinate with Owner's current IAQ management plans and procedures.
2. Meet or exceed the minimum requirements of the recommended Control Measures of the Sheet Metal and Air Conditioning National Contractors Association (SMACNA) IAQ Guidelines for Occupied Buildings Under Construction, Second Edition, November 2007, Chapter 3.
3. If permanently installed air handlers are used during construction, filtration media with a Minimum Efficiency Reporting Value (MERV) of 8 shall be used at each return air grille, as determined by ASHRAE 52.2-2007. Replace filtration media immediately prior to occupancy, according to Division 23 - HVAC.

C. LEED EQc4, Indoor Air Quality Assessment: Comply with one of the following requirements:

1. **Option 1: Perform a building flush-out with outside air, either before occupancy or during occupancy.**

Schedule does not support performing prior to occupancy. Flush out has not been included.

C says one of following, but only 1 is listed? Not sure schedule supports flush out

### 1.4 SUBMITTALS

A. LEED EQc3, Construction Indoor Air Quality Management Plan: ~~Within 21 calendar days after receipt of Notice to Proceed,~~ the Contractor shall submit Construction IAQ Management Plan.

1. Construction IAQ Management Plan: Include, but do not limit to, the following:
  - a. HVAC Protection.
  - b. Source Control.
  - c. Pathway Interruption.
  - d. Housekeeping.
  - e. Scheduling.
2. Product Data: Submit for each type of filtration media used during construction and installed immediately prior to occupancy, with MERV values clearly identified.

B. LEED EQc4, Indoor Air Quality Assessment:

Not  
specifically  
bought from  
HVAC sub?

1. Option 1, Flushout: Signed statement describing the building air flush-out procedures, including the dates when flush-out was begun and completed and statement that filtration media was replaced after flush-out.
  - a. Product Data: Submit for filtration media used during flush-out and occupancy, with MERV values clearly identified.

## PART 2 - PRODUCTS

### 2.1 FILTRATION MEDIA

- A. Filtration Media: Comply with ASHRAE 52.2-2007 and provide MERV as required.

## PART 3 - EXECUTION

### 3.1 CONSTRUCTION IAQ MANAGEMENT PLAN IMPLEMENTATION

- A. IAQ Manager: The Contractor shall designate an on-site person responsible for instructing workers and overseeing and documenting results of the Construction IAQ Management Plan for the Project.
  1. Distribution: The Contractor shall distribute copies of the Construction IAQ Management Plan to the Job Site Foreman, each subcontractor, the Owner, and the Architect.
  2. Instruction: The Contractor shall provide on-site instruction of appropriate procedures and methods to be used by all parties at the appropriate stages of the Project.
- B. Preconditioning: Allow products, which have odors and significant VOC emissions, to off-gas in a dry, well-ventilated space for sufficient period to dissipate odors and emissions prior to delivery to Project.
  1. Remove containers and packaging from materials prior to conditioning to maximize off-gassing of VOCs.
  2. Condition products in ventilated warehouse or other building.
- C. Ventilation: Ventilate interior spaces directly to the exterior to minimize accumulation of odors and VOC emissions during construction.
- D. Coordinate Construction IAQ Management Plan with construction cleaning as indicated in Section 015000 - TEMPORARY FACILITIES AND CONTROLS and with final cleaning as indicated in Section 017700 - CONTRACT CLOSEOUT.

### 3.2 INDOOR AIR QUALITY (IAQ) ASSESSMENT

- A. LEED EQc4, Indoor Air Quality Assessment: Option 1, Flush-Out:

Exclude,  
cannot be  
achieved in  
current  
schedule

1. After construction ends, prior to occupancy and with all interior finishes installed, perform a building flush-out by supplying a total volume of 14,000 cu. ft. of outdoor air per sq. ft. of floor area while maintaining an internal temperature of at least 60 deg F and a relative humidity no higher than 60 percent.
  - a. Operating Requirements: Refer to Division 23 - HVAC.

2. Exclude, cannot be achieved in current schedule If occupancy is desired prior to flush-out completion, the space may be occupied following delivery of a minimum of 3500 cu. ft. of outdoor air per sq. ft. of floor area to the space. Once a space is occupied, it shall be ventilated at a minimum rate of 0.30 cfm per sq. ft. of outside air or the design minimum outside-air rate, whichever is greater. During each day of the flush-out period, ventilation shall begin a minimum of three hours prior to occupancy and continue during occupancy. These conditions shall be maintained until a total of 14,000 cu. ft./sq. ft. of outside air has been delivered to the space.
- a. Operating Requirements: Refer to Division 23 - HVAC.

END OF SECTION

## SECTION 019113

## COMMISSIONING

## PART 1 - GENERAL

## 1.1 GENERAL PROVISIONS AND GOALS

- A. Attention is directed to the Contract, General Conditions, and all sections within Division 1 – General Requirements that are hereby made part of this Section of the Commissioning Plan/Specifications.
- B. Examine all Sections of the Specifications for requirements that affect work under this Section and in particular, Divisions 1, 14, 21, 22, 23, 26, 27 and 28.
- C. This Section of the Contract is set aside to incorporate current Commissioning contract requirements and to be the document by which this Section of the Contract will be built into the Final Commissioning Report.
- D. The Final Commissioning Report will be that document by which LEED, Additional Commissioning Point Criteria compliance is met.
- E. Commissioning Goal: Commissioning is a systematic process of ensuring that all building systems perform interactively according to the design intent and the Owner's operational needs. This is achieved by beginning in the Design Phase and documenting design intent and continuing through construction, acceptance and the warranty period with actual verification of performance. The commissioning process encompasses and coordinates the traditionally separate functions of system documentation, equipment start-up, automatic control system calibration, testing, adjusting, and balancing (TAB), electrical systems, plumbing systems, fire protection systems, HVAC systems, process, electrical, and performance testing and training.
- F. Commissioning Goal: To have the Contractor complete a comprehensive system readiness process followed by system demonstration to the Commissioning Team with the CA providing the documentation/verification of the building systems that they perform in accordance with the requirements of the contract documents. In addition, the commissioning process may be in compliance with the Energy & Atmosphere prerequisite credit 1 (EA p1) and additional enhanced commissioning credit (EA c1) in compliance with LEED certification.
- G. Abbreviations found in this specification:
  - 1. Commissioning Agent - CA
  - 2. Pre-functional Performance Checklist - PFPC
  - 3. Functional Performance Test – FPT
  - 4. Testing, Adjusting and Balancing - TAB

## 1.2 COMMISSIONING PLAN

- A. The Commissioning Plan outlines the contract requirements once authorization-to-proceed with construction has been given and the plan extends into the Warranty Phase

- B. The Owner shall champion the commissioning process with the CA to commission the building systems to the quality standards and procedures specified herein and as documented on the contract drawings and to LEED Certification compliance.
- C. As information to the Commissioning Team joining in the commissioning process at the Construction Phase the CA completed the following in the Design Phase:
1. Created the Commissioning Plan
  2. Review the development of the Owner's Project requirements (OPR).
  3. Review the Design Engineer's Basis of Design (BOD).
  4. Included within the Commissioning Specification sample of the suggested PFPC checklists, Commissioning Test Plan & Schedule template, and draft FPT narrative for Contractor understanding of commissioning process and contract requirements.
- D. The following activities will be completed by the Commissioning Team per the contract documents and also in accordance with the Fundamental and Enhanced Commissioning criteria for LEED Commissioning Credit starting in the Design Phase:
1. Review the OPR throughout the project including the following OPR issues.
    - a. Owner and User Requirements.
    - b. Environmental and sustainability goals.
    - c. Energy efficiency goals.
    - d. Indoor environmental and quality requirements.
    - e. Equipment and system expectations.
    - f. System training goals.
    - g. Building Occupant and O&M Personnel Requirements.
  2. CA shall complete a Summary Commissioning Report per LEED Credits EAp1 and EAc1 at the end of the project.
  3. Design Team shall assist in the Owners development of the OPR and keep their Basis of Design (BOD) documents current throughout the Construction Phase. Both documents are to be included in the Final Commissioning Report and are part of the LEED certification process per LEED v4 Credits EAp1 and EAc1.
  4. Commissioning Team shall utilize the Commissioning Plan per LEED Credits EAp1 and EAc1. The following are integral parts of the Commission Plan and are imbedded into this Section of the specification:
    - a. Commissioning Program Overview
      - 1) Goals and objectives
      - 2) General Project Information
      - 3) Systems to be commissioned
    - b. Commissioning Team
      - 1) Team members, roles and responsibilities.
      - 2) Communication protocol, coordination, meetings, field visits, and overall commissioning project management.
    - c. Description of Commissioning Process Activities
      - 1) Documenting the Owner's Project Requirements.
      - 2) Preparing the Basis of Design.
      - 3) Developing systems Functional Performance Test (FPT) procedures.

- 4) Prepare systems for FPT demonstration to the Commissioning Team.
    - 5) Verifying systems performance.
    - 6) Reporting deficiencies and the resolution process.
    - 7) Accepting the building systems.
  - d. Project is pursuing the Enhanced Commissioning Credit (EAc1) to include the following commissioning process activities:
    - 1) Documenting the Commissioning Review Process.
    - 2) Review of Contractor submittals.
    - 3) Compile the Systems Manual.
    - 4) Verification of training of operations personnel.
    - 5) Reviewing building operation after final acceptance.
5. CA shall review Contractor submittals applicable to systems being commissioned per LEED Credit EAc1.
6. CA shall verify the installation and performance of commissioned systems per LEED Credits EAp1 and EAc1.
  - a. Installation Observation.
  - b. Systems Performance Testing.
  - c. Evaluation of Results compared to OPR/BOD.
7. CA shall assist the development with the Commissioning Team of a Systems Manual for the commissioned systems per LEED Credit EAc1. The Systems Manual provides future operating staff the information needed to understand and optimally operate the commissioned systems. A Systems Manual is in addition to the O&M Manuals submitted by the Contractors. The Systems Manual requires the following for each commissioned system:
  - a. Final version of the Basis of Design (provided by the Design Team).
  - b. System single-line diagrams (provided by the Design Team and may include the TAB system flow diagrams and the CAs system flow diagrams).
  - c. As-built sequences of operations, control drawings and original set points (provided by the ATC Contractor and each Equipment Manufacturer's ATC submittal for pre-packaged ATC).
  - d. Operating instructions for integrated building systems (provided by the Contractor).
  - e. Recommended schedule of maintenance requirements and frequency requirements and frequency, if not already included in the project O&M Manuals (provided by the Contractor).
  - f. Recommended schedule for retesting of commissioned systems with blank test forms from the original Commissioning Plan (provided by the CA).
  - g. Recommended schedule for calibrating sensors and actuators (provided by the ATC Contractor and each Equipment Manufacturer's ATC submittal for pre-packaged ATC).
  - h. PFPC documents from the System Manual specified herein (provided by the Contractor).
8. CA shall verify that the requirements for training are completed by the Construction Manager/GC and their team per LEED Credit EAc1 and Contract Documents.
9. CA shall review building operation within 10-months after substantial completion per LEED Credits EAc1.

10. CA shall complete a Summary Commissioning Report per LEED Credits EAp1 and EAc1.
- E. In the Construction Phase, the Contractor shall work closely with the CA in establishing and maintaining the schedule of commissioning events for the commissioning of systems and activities noted here based on the draft Commissioning Test Plan & Schedule.
- F. Commissioning of the selected systems shall consist of documentation of system readiness prior to demonstration using the PFPC checklists followed by demonstration of the system using the FPTs.
- G. The PFPCs shall be developed and provided to the Contractor by the CA and shall be used in concert with the addition of Equipment Manufacturer start-up checklists, Contractor's own "static inspection" checklists, Pre-TAB checklists, ATC System Graphics, and Control Contractor (both the ATC firm and each Equipment Manufacturer providing packaged ATC) point-to-point checkout check lists as part of Contract equipment and system start-up system readiness process. In addition, the ATC contractor(s) shall provide a minimum of 16 hours system trending prior to the FPT system demonstrations continuing on with a minimum of 40 additional hours of system trending.
- H. These PFPC documents shall be included in an on-site 3-ring binder(s) and kept current by the Contractor during the Construction Phase. This binder shall become an integral part of the Systems Manual at the end of the project.
- I. The CA shall complete random installation observation per contract documents and shall include in each commissioning Field Report, the associated equipment and distribution Observation Checklists.
- J. Commissioning of the selected systems shall consist of demonstration of the interactive system operation through the use of finalized FPT narratives. The FPT narratives shall be completed with input during the Construction Phase from the Contractor and Design Team and used to verify operation per design intent through all modes and conditions. Facility staff shall participate and receive on-the-job training during the system demonstration.
- K. Prior to Project Closeout, the Contractor, with the assistance of the CA shall compile the Systems Manual LEED Credit EAc1.
- L. In the Post-Construction Phase, the CA shall facilitate a 10-month Warranty/Project Closeout meeting, as well as facilitate a seasonal/deferred system demonstration (i.e., FPT for heating system in heating season) per LEED Credit and EAc1.

### 1.3 SYSTEMS TO BE COMMISSIONED

- A. Systems include all interconnected components and are not limited to the equipment listed within this specification.
1. HVAC Systems: Heating, ventilating and air conditioning systems, and mechanical equipment forming a part of these systems including, but not limited to, air handler systems, boilers, chillers, direct expansion refrigeration equipment, fuel storage, pumps, fans, exhaust systems, ventilation systems, variable frequency drives, and heat recovery systems. Terminal equipment such as but not limited to, VRF system, VAV boxes with reheat Coils, VAV return/exhaust boxes, finned tube radiation, radiant heating panels, unit heaters and cabinet unit heaters will be commissioned at 25%, randomly selected.

2. Building Automation, Temperature Controls and Energy Management systems and all equipment forming a part of these systems including, but not limited to, the interface of these systems with HVAC systems, plumbing electrical, fire alarm and security systems.
3. Plumbing Systems and all equipment forming a part of these systems including, but not limited to, potable and non-potable water systems, water pressure booster systems, service water heating systems, sanitary waste and vent systems, grey water systems, laboratory waste and acid neutralization systems, storm water systems including rain water reclamation systems, natural gas systems, and compressed air systems.
4. Electrical Power Systems and all equipment forming a part of these systems including, but not limited to, electrical supply and distribution systems, emergency and standby power systems including automatic transfer switching systems, uninterrupted power supplies, lighting and lighting control systems, low voltage systems, grounding and bonding systems, and interfaces to automated temperature/building automation control systems.
5. Life Safety Systems and all equipment forming a part of these systems including, but not limited to, security and surveillance systems, fire alarm systems, fire protection and suppression systems and egress lighting.

B. Commissioning Activities

1. Construction Phase

- a. Facilitate a Commissioning Team Kick-off Meeting with handouts referencing Commissioning Test Plan & Schedule and the Systems Manual Table of Content to provide a Commissioning Education Platform to the Commissioning Team.
- b. Participate in regularly scheduled commissioning field coordination meetings facilitated by the CA at intervals based on meetings with the Contractor, TAB Firm, installing Trade Sub-Contractors, Control Contractor (both the ATC firm and each Equipment Manufacturer providing packaged ATC) and Owner facility manager representative. The purpose of the meetings will be to review the status of commissioning activities, schedule future activities, and resolve commissioning process issues.
- c. Respond to comments on submittals that have been reviewed for commissionability per LEED Credit EAc1.
  - 1) Review for conformance with the OPR and basis of design.
  - 2) Fulfilling Operation and Maintenance Requirements.
  - 3) Facilitating performance testing.
- d. Coordinate and schedule the pre-functional and functional performance activities, as well as the TAB and other trade activities.
- e. Review the following in the shop drawing phase:
  - 1) Equipment submittals for equipment/systems to be commissioned.
  - 2) TAB submittal including the TAB Plan and associated system flow diagrams indicating design data at pertinent test points in the air and water systems.
  - 3) Equipment and System Training Plan submittal.
  - 4) ATC submittal (both the ATC firm and each Equipment Manufacturer providing packaged ATC).
  - 5) Systems Manual Table of Content.
  - 6) O&M Manuals at end of Submittal Phase.
- f. Review and respond to pertinent RFIs and change orders associated with the commissioning process.



- g. Respond to comments on mechanical and electrical field coordination drawings that have been reviewed for commission-ability.
  - h. Observe and document PFPCs for systems being commissioned per LEED Credits EAp1 and EAc1.
  - i. Observation of Installation per contract documents all major systems and randomly selected support equipment to be commissioned using Observation Checklists.
  - j. Observe and document randomly observed equipment manufacturer's startup for systems being commissioned.
  - k. Review of the Systems Manual as it is developed during the Construction Phase.
  - l. Facilitate and document FPTs for systems being commissioned per LEED Credits EAp1 and EAc1.
  - m. Maintaining and resolving Corrective Action Log issues.
  - n. Participate in System Education/Training.
2. Post-Construction Phase:
- a. Perform seasonal/deferred FPT demonstration.
  - b. Facilitate in a Warranty/Project Closeout meeting at month 10 per LEED Credit EAc1.
  - c. Complete Final Commissioning Report document per LEED Credits EAp1 and EAc1.
  - d. Complete LEED compliance within Final Commissioning Report per LEED Credits EAp1 and EAc1 as well as Letter of Certification Hard Copy and On-Line requirements.
  - e. Final Report to include Systems Manual as well as Letter of Certification per LEED Credit EAc1.

## PART 2 - PRODUCT

### 2.1 COMMISSIONING TEAM

- A. The Commissioning Team shall consist of representatives from the following parties involved in the design and construction of this facility:
- 1. Owner's Project Manager
  - 2. Owner's Facility Operator and/or Manager
  - 3. Commissioning Firm
  - 4. Design Team Professionals (associated with system to be commissioned)
  - 5. Contractor
  - 6. Testing Adjusting & Balancing (TAB) Contractor
  - 7. Automatic Control Contractor
  - 8. LEED Accredited Professional Consultant
  - 9. Trade Contractors (associated with system to be commissioned).
  - 10. Equipment Manufacturers (associated with system to be commissioned).
  - 11. Equipment Manufacturer's Automatic Control Engineer (associated with equipment furnished with pre-packaged automatic controls as part of systems to be commissioned).
  - 12. Independent Testing Agencies (associated with system to be commissioned).
  - 13. Regulatory Agency (as needed)

### 2.2 SYSTEMS MANUAL

- A. The Systems Manual Table of Content shall be the initial cover sheet document that will begin the process of compiling all pertinent documentation associated with each system readiness. Other check lists to be included shall be the following on a system-by-system basis:

1. Trade Contractor's static inspection (punch list) checklist
  2. Manufacturer's equipment startup checklist
  3. ATC point-to-point checklist
  4. ATC graphics & programming documents
  5. Pre-TAB equipment checklists & draft of each system's balancing report along with associated system flow diagram (design-to-actual).
  6. Trending graphs
  7. Dry-run FPT sign-off document
- B. Using the enhanced PFPC checklists, the Trade Contractor (i.e., for HVAC, the associated ATC and TAB firms, etc.) shall complete the Pre-Functional Test documents and submit the completed signed forms and other appropriate start-up sheets. Trade Contractor shall submit the completed forms, initialed by the technician in-charge and attach other appropriate start-up sheets including but not limited to documents noted above prior to the start of the demonstration of the FPT Demonstration(s) to the Owner.
- C. Each step in the PFPC process shall be initially scheduled within the Commissioning Test Plan & Schedule and updated as work is completed and each step shall be completed with a document indicating the work completed.

### 2.3 TRAINING

- A. The Construction Manager/GC shall submit the Training Plan in a three-ring binder in the Submittal Phase based on the specification herein. Each Trade Contractor shall include within this binder, their training plan and class handouts. Once Training Plan is reviewed by the Construction Manager/GC, and approved by CA, they shall coordinate the following classes leading up to the final Training.
1. Introduction to the Training Plan at end of Submittal Phase (approximately 2 hr session).
  2. Progress training with walk-thru of site once major equipment has been installed (approximately 4 hour session).
  3. System Training when commissioning of systems (FPT) occurs.
  4. Final Training as within specifications.

### 2.4 OBSERVATION OF INSTALLATION CHECKLISTS

- A. Using the Observation of Installation Checklist, the CA will visit the project site and randomly perform a system-readiness on systems being commissioned. The CA will use these sheets in concert with the construction documents specified herein. In addition, the approved submittals and RFIs that are on record will be referenced to ensure all field installation/design changes are noted on the completed observation sheet prior to distribution to the Commissioning Team.
- B. All Observation Deficiencies will be noted in a Corrective Action Log and distributed to the Contractor and Design Engineer for corrective measures.
- C. All deficiencies noted on the Observation Corrective Action Log shall be corrected by the appropriate responsible Trade, given to the Contractor who will provide the completed Corrective Action Log updates to the CA prior to system FPT demonstration to Owner.

### 2.5 FUNCTIONAL PERFORMANCE TEST NARRATIVES

- A. The Contractor along with the rest of the Commissioning Team members (particularly the design engineer) shall review and comment on the FPT narratives specified herein and edit

them based on the approved sequence of operation submittals and return documents to the CA prior to system commissioning for final FPT narratives.

- B. The CA shall revise the FPT narratives during the Construction Phase to incorporate any changes required to comply with the approved submittals and any contract document changes. The revised FPT narratives shall be issued as Final and Approved for executed documents.
- C. The Contractor shall use the FPT narratives to test the systems prior to demonstrating the FPT to the Owner, Facility Manager, and Commissioning Firm. The Contractor shall submit a completed and signed Final FPT form to the CA as evidence that the Contractor and associated Trade Contractors have dry-run tested the systems. All deficiencies noted by the Contractor during the dry-run, will be corrected and noted on the signed off/completed FPT document prior to the CA scheduling the demonstration of the systems to the Owner. This document shall be filed in the Systems Manual.
- D. The Contractor shall make available, during the testing phase, the manufacturer's representative/technician to execute sequences of operation that cannot be demonstrated by the Contractor to the Owner and CA due to their being part of an packaged unit not under their control.
- E. The Contractor shall use the Final FPT narrative format to commission the building systems demonstrating the Functional Performance to the Owner and the CA. During the Owner demonstration all deficiencies that can be corrected within 10 minutes, may be completed. Any corrective measures that will require more than a 10-minute corrective measure will be documented by the CA in a Corrective Action Log for re-testing by the trades at a later, scheduled date.
- F. The Contractor shall respond to the Commissioning Firm's Corrective Action Log depicting non-compliant system demonstration items to be corrected within (3) business days after receipt of Corrective Action Log.

### PART 3 - EXECUTION

#### 3.1 COMMISSIONING TEAM MEMBER RESPONSIBILITIES.

- A. The responsibilities of the various parties in the commissioning process are provided in this section. The responsibilities of the mechanical contractor (included TAB), BMS Contractor and the electrical contractor are included herein. The Design Engineer, Owner's Project Manager or Owner's Representative are also part of the Commissioning Team.
- B. All Parties
  - 1. Attend commissioning scoping meeting and additional meetings as necessary.
- C. Owner Project Manager shall:
  - 1. Champion the commissioning process.
  - 2. Participate in the development of the Owner's Project Requirement (OPR) document.
  - 3. Review and comment on any revisions to the Basis of Design (BOD) document.
  - 4. Attend commissioning specific coordination meetings.
  - 5. Participate in Pre-Functional Checklist observation.
  - 6. Participate in Functional Performance Testing.
  - 7. Participate in system education/training.

## D. Owner Facility Operator and/or Manager shall:

1. Periodically visit the construction site to become familiar with the project equipment/system installation.
2. Attend commissioning coordination meetings.
3. Review equipment, system and control submittals for Basis of Design (BOD).
4. Work with other the Construction Manager/GC and Contractors to review completion of the Data Retrieval Sheet and the development of the Asset Collection Database.
5. Work with other Commissioning Team members with system education/training.
6. Witness and, to the greatest extent possible, participate in the following commissioning activities:
  - a. Initial equipment startup
  - b. Testing, adjusting and balancing
  - c. ATC point-to-point checkout
  - d. PFPCs
  - e. FPTs
7. Work with the Commissioning Team with interface of automatic control systems with existing building automation system.
8. Work with Commissioning Team to develop the Systems Manual.
9. Review commissioning progress and deficiency reports.
10. Arrange for facility operating personnel and maintenance personnel to attend various field commissioning activities and field training sessions.
11. Assist the CA as necessary in the seasonal or deferred testing and deficiency corrections required by the specifications.
12. Participate in any seasonal or deferred testing and any deficiency issues resolution.

## E. Commissioning Agent shall:

1. The CA is not responsible for design concept, design criteria, compliance with codes, design or general construction scheduling, cost estimating, or construction management. The CA may assist with the problem solving of non-conformance or deficiencies, but ultimately that responsibility resides with the individual trade contractors and the design team. The primary role of the CA is to develop and coordinate the execution of the testing plan, observe and document performance that systems are functioning in accordance with the documented design intent and in accordance with the Contract Documents. The Contractors will provide all tools or use of tools to start, check-out and functionally test the equipment. The CA does not touch the equipment, run the equipment or manipulate the building automation system.
2. Facilitate commissioning meetings with the Commissioning Team.
3. Coordinate and direct the commissioning activities in a logical, sequential and efficient manner using consistent protocols and forms, centralized documentation, clear and regular communications and consultations with all necessary parties, frequently updated timelines and scheduled and technical expertise.
4. Coordinate the commissioning work and, with the Construction Manager/GC, onto the Commissioning Test Plan & Schedule.
5. Request and review additional information required to perform commissioning tasks, including O&M Materials, contractor start-up and check-out procedures.
6. Before start-up, gather and review the current control sequences and interlocks and with the contractors and design engineers until sufficient clarity has been obtained, in writing, to be able to write detailed testing procedures.
7. Review and approve normal Contractor submittals applicable to systems being commissioned for compliance with commissioning needs, concurrent with A/E and Construction Manager/GC reviews.

8. Receive and review construction documentation (Requests for Information, Bulletins, Change Orders etc.) for impact on commissioning process.
9. Maintain Pending Issues Log
10. Review commissioned equipment, system and control submittals for OPR and BOD compliance.
11. Monitor the collection of the O&M Manuals by the Contractor immediately following the individual approval of equipment submittals and in compliance with LEED Credits EAc1.
12. Work with other Commissioning Team members with system education/training and monitor that training was conducted for all commissioning features and systems. Training program needs to address all training/education aspects as per LEED certification compliance. LEED Credits EAc1.
13. Complete random installation observation according to contract documents for system readiness assessment and complete each site visit with a Field Visit Report and record of any deficiencies.
14. Monitor the Contractor's development of the Systems Manual on-site. Pre-Functional Checklists will be completed by the installing contractors and signed-off and collected by the CA prior to testing of systems.
15. Randomly observe startup and checkout of equipment completed by the Contractor and documented per the manufacturer's instructions and contract documents. The CA shall apply a sampling method of start-up observation for systems to be commissioned.
16. With assistance of the design engineer and installing contractors, write the FPT procedures for equipment and systems.
17. Provide final "draft" FPT procedures to installing contractors for their use in "dry-run" of systems prior to CA observing testing. A sign-off FPT is required by the installing contractors to be provided to the CA before commissioning of the systems is to be scheduled.
18. Work with ATC Contractor(s) to create and maintain system trending data. Analyze any functional performance trend logs and monitoring data to verify performance.
19. Facilitate and observe FPT demonstrations by observing each Sequence of Operation for each system being commissioned. Observe to the greatest extent possible, the following commissioning activities:
  - a. Initial equipment startup
  - b. Testing, adjusting, and balancing
  - c. ATC point-to-point component test
  - d. PFPCs
20. Maintain a Master deficiency and resolution log i.e., Corrective Action Logs and provide the Construction Manager/GC with written progress reports and test results.
21. Maintain Commissioning Pending Issues Log of any issues or concerns identified in the Construction Phase that is Design Team or Owner related.
22. Assist in the development of a System Manual for the below topics and assignments that is finalized during the Post-Commissioning Phase.
23. Provide a final commissioning report.
24. Coordinate and supervise required seasonal or deferred testing and deficiency corrections.

F. Architect Professionals shall:

1. Fulfill construction administration per their contract with the Architect.
2. Attend the commissioning scoping meeting and selected commissioning team meetings.
3. Perform normal submittal review, construction observation, as-built drawing validation, O&M Manual validation etc., as contracted.
4. Provide any design narrative documentation requested by the CA.

5. Coordinate resolution of system deficiencies identified during commissioning, according to the contract documents.
6. Prepare and submit final as-built design intent documentation for inclusion in the O&M Manuals. Review and approve the O&M Manuals.
7. Coordinate resolution of design non-conformance and design deficiencies identified during warranty-period commissioning.

G. Mechanical and Electrical Designers/Engineers (Construction/Acceptance Phase):

1. Perform normal submittal review, construction observation, as-built drawing turnover to client along with O&M Manuals, etc., as contracted. On-site observation should be completed just prior to system start-up.
2. Provide any design narrative and sequences documentation requested by the CA. The designers shall assist (along with the contractors) in clarifying the operation and control of commissioned equipment in areas where the specifications, control drawings or equipment documentation is not sufficient for writing detailed testing procedures.
3. Attend commissioning scoping meetings and other selected commissioning team meetings.
4. Prepare and submit the final as-built design intent and operating parameters documentation for inclusion in the O&M manuals. Review and approve the O&M manuals.
5. From the Contractor's drawings, edit and update one-line diagrams developed as part of the design narrative documentation and those provided by the vendor as shop drawings for the chilled and hot water, condenser water, domestic water, steam and condensate systems; supply, return and exhaust air systems and emergency power system.
6. Witness testing of all pieces of equipment and systems.
7. Review the HVAC piping test and flushing procedure, sufficient to be confident that proper procedures are being followed. Notify Owner's Project Manager of any deficiencies in results or procedures.
8. Review the testing and cleaning procedures sufficient to be confident that proper procedures are being followed. Notify Owner's Project Manager of any deficiencies in results or procedures.
9. Witness performance testing of smoke control systems by others and all other owner contracted tests or tests by manufacturer's personnel over which the CA may not have direct control. Document these tests and include this documentation in Commissioning Record in O&M Manuals.
10. Participate in the resolution of non-compliance, non-conformance and design deficiencies identified during commissioning during warranty-period commissioning.

H. Construction Manager/GC shall:

1. Champion and support the commissioning process.
2. Attend commissioning coordination meetings.
3. Manage the master scheduling process with regard to timing and duration of the commissioning activities, as well as manage the Commissioning Test Plan & Schedule document.
4. Manage the master shop drawing log, data retrieval log, O&M Manuals, Systems Manual, and training schedule log.
5. Immediately following the acceptance of each submittal and no later than 60-days from submittal acceptance, the Trade Contractor's equipment supplier shall complete the associated equipment Data Retrieval form included within Division 1 Specification as an integral part of the submission process. Included with this form shall also be the operation and maintenance requirements. In addition, the Contractor shall submit the equipment website where the O&M data is located.

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6. **The Contractor shall provide a separate area within the construction trailer for the assembly of the O&M Manuals.** An all-inclusive Table of Contents shall be displayed for the Trade Contractors to highlight open items and scheduled due dates of O&M insertions. The O&M Manuals will be built on a construction progress basis and will be reflective of each equipment/system that has been accepted and installed thus being in a completed state prior to demonstration of equipment/systems to Owner. Contractor shall assign a Project Coordinator to monitor this process thru to completion.

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7. **The Contractor shall provide a separate area within the construction trailer for the assembly of the Systems Manual.** An all-inclusive Table of Contents shall be displayed for the Trade Contractors to use to track the collection of system readiness documents.
8. Coordinate the completion and delivery of shop drawings, data retrieval sheet and O&M Manuals prior to system FPT demonstration to allow facility staff to reference during system education/training provided by the Contractor and monitored by the Commissioning Firm.
9. Ensure that Contractor correct deficiencies and make necessary adjustments to O&M Manuals and as-built drawings for applicable issues in any testing.
10. Coordinate and schedule all equipment and system education/training. Completion of the Operation and Maintenance Training Record at the end of this section is required by the Construction Manager/GC for all systems requiring training. The Agenda portion depicting the training and personnel to be included shall be completed two (2) months prior to training and approved by the Owner's Representative.
11. A Training Schedule, four (4) months prior to training being implemented, shall be developed by the Construction Manager/GC and a meeting with the CA, Owner and Owner's facility personnel shall be implemented to discuss and finalize.
12. Coordinate and schedule all testing compliance and maintain Test Log for pipe testing and flushing and duct testing of system distribution.
13. Coordinate and schedule PFPCs and notify CA at least one (1) week prior to scheduled date.
14. Coordinate and schedule the Trade Contractor's initial dry-run FPT demonstration and collect the sign-off FPT document.
15. Coordinate and schedule deferred/seasonal tests in the appropriate season. The heating system sequence shall be tested in the winter and air-conditioning sequences in the summer.
16. Coordinate and schedule retest activities.
17. Assemble and deliver Systems Manual (LEED EAac1) to the CA for sign-off before forwarding to the Owner.

I. Mechanical (including TAB), Electrical, and BMS Contractors:

1. The commissioning responsibilities applicable to each of the mechanical, controls and TAB contractors are as follows (all references apply to commissioned equipment only):
2. Trade Contractors are as follows:
- a. HVAC
  - b. Testing, Adjusting and Balancing Contractor
  - c. Sheet Metal
  - d. Automatic Temperature Controls, Building Automation
  - e. Electrical
  - f. Plumbing
  - g. Fire Protection
  - h. Low Voltage Systems
3. Include and itemize the cost of commissioning in the contract price.

4. Require equipment manufacturer's provides self-contained building automation equipment representative to participate in the commissioning process.
5. Attend a commissioning scoping meeting and other commissioning coordinating meetings.
6. Contractors shall provide the CA with normal cut sheets and shop drawing submittals of commissioned equipment.
7. Provide additional requested documentation, prior to normal O&M manual submittals to the CA for the development of start-up and functional testing procedures.
  - a. Typically this will include detailed manufacturer installation and start-up, operating, troubleshooting and maintenance procedures, full details of any owner-contracted tests, fan and pump curves, full factory testing reports, if any, and full warranty information, including all responsibilities of the Owner to keep the warranty in force clearly identified. In addition, the installation, start-up and checkout materials that are actually shipped inside the equipment and the actual field checkout sheet forms to be used by the factory or field technicians shall be submitted to the CA.
  - b. The CA may request further documentation necessary for the commissioning process.
8. Provide a copy of the O&M Manuals and submittals of commissioned equipment, through the submittal process, to the CA for review and approval.
9. Prepare a preliminary schedule of MEP pipe and duct system testing, flushing and cleaning, equipment start-up and TAB start-up and completion for use by the CA.
10. Contractors shall assist (along with design engineers) in clarifying the operation and control of the commissioned equipment in the areas where the specifications, control drawings or equipment documentation is not sufficient for writing detailed testing procedures.
11. Provide assistance to the CA in preparing the specific FPT procedures. Trade contractors shall review test procedures to ensure feasibility, safety and equipment protection and provide necessary written alarm limits to be used during the tests.
12. Develop a full start-up plan and initial checkout plan using manufacturer's start-up procedures and the pre-functional checklists from the CA for all commissioned equipment. Submit to CA for review and approval prior to start-up.
13. During the start-up and initial checkout process, execute the mechanical-related portions of the pre-functional checklists for all commissioned equipment.
14. Perform and clearly document all completed start-up and system operational checkout procedures, providing a copy to the CA.
15. Address current A/E punch list items before functional testing. TAB shall be completed with discrepancies and problems remedied before the functional testing of the respective air and water related systems.
16. Provide skilled technicians to execute starting of equipment and to execute the FPTs. Ensure that they are available and present during the agreed upon schedules and for sufficient duration to complete the necessary tests, adjustments and problem-solving.
17. Provide skilled technicians to perform FPTs under the direction of the CA for commissioned systems. Assist the CA in interpreting the monitoring data as necessary.
18. Correct deficiencies (differences between specified and observed performance) as interpreted by the CA, CM and A/E to retest the equipment.
19. Prepare O&M manuals according to the Contract Documents, including clarifying and updating the original sequence of operation to as-built conditions.
20. Develop and deliver O&M manuals immediately after associated equipment submittal is approved. LEED Credits EAac1.
21. Refine and implement PFPC Test procedures and, where applicable, have equipment manufacturer participation where controls are packaged.
22. Contribute information required for the Current Facilities Requirements and Operations and Maintenance Plan.



23. Contribute to the Systems Manual following the Table of Contents provided by the CA.
24. Develop and implement equipment education/training compliant with Contract Documents. LEED Credits EAc1.
25. Prior to the system demonstrations with the Commissioning Team, perform systems dry-run FPT demonstration and submit documented results to the Commissioning Firm.
26. Demonstrate systems working with the Commissioning Team implementing FPTs. LEED Credits EAp1 and EAc1.
27. Demonstrate systems working with the Commissioning Team implementing deferred/seasonal test FPTs.
28. Correct all Contractor-related deficiencies identified during FPTs and retest the corrected functions with the Commissioning Team. LEED Credits EAp1 and EAc1.
29. Provide Systems Manual portions that pertain to your discipline to the CA.

J. Equipment Manufacturers shall:

1. Participate in the commissioning process. Participation shall include demonstration of furnished equipment operation and packaged control system functions.
2. Prior to the systems demonstrations with the Commissioning Team, perform system dry-run FPTs in conjunction with the Trade Contractor.
3. Demonstrate systems working with the Commissioning Team including joint automation demonstration with the ATC Contractor implementing FPTs in conjunction with the Trade Contractor.
4. Demonstrate systems working with the Commissioning Team implementing deferred/seasons test FPT in conjunction with the installation subcontractor. LEED Credits EAp1 and EAc1.
5. Correct all equipment deficiencies identified during FPT and retest the corrected functions with the Commissioning Team. LEED Credits EAp1 and EAc1.

K. Testing, Adjusting, & Balancing (TAB) Firm

1. Attend commissioning coordination meetings.
2. Submit TAB Plan including TAB shop drawing submittal requirements (i.e., system flow diagrams with design data at pertinent test points) during the submittal phase period of the job.
3. Review and comment on field coordination drawings during the mechanical-electrical field drawing coordination meetings relative to testing, adjusting and balancing.
4. Participate in PFPCs completing Pre-TAB field visits.
5. Complete testing, adjusting and balancing of systems.
6. Participate in FPT system demonstrations.
7. Provide system performance verification data for commissioned systems.

### 3.2 CONSTRUCTION DOCUMENTS PHASE

A. The documentation associated with the activities in the Construction Phase of the project are as follows:

1. Commissioning Meeting Minutes for documenting regularly scheduled meeting discussions, responsibilities and action agenda due dates.
2. Pending Issues Log for documenting issues identified and/or commissioning activities that are directed to design issues/concerns, field visit reporting, and other issues not directly related to the seasonal and/or deferred FPTs.
3. Shop Drawing Log for documenting equipment submittals and associated documents to be commissioned and associated O&M requirements.
4. Commissioning Test Plan & Schedule is used to document and track the Commissioning Process by listing all systems to be commissioned, documentation to be

- provided/collected during process and anticipated dates of demonstration of systems to Owner.
5. Manufacturer/Contractor Test Log for documenting Contract Specification test requirements by Contractor that are directly related to the systems to be commissioned.
  6. Pre-functional Performance Tests (PFPC) for documenting Contractor required start-up compliance for systems to be commissioned.
  7. Systems Matrix for inventorying requirement documents leading up to the FPTs of systems to be commissioned.
  8. Commissioning Field Report documenting CAs visits and observations.
  9. Equipment & System Training Log for documenting Contractor required training of Owner personnel.
  10. Commissioning Trending Checklist for documenting and assisting during the start-up of systems and for continuous monitoring and measuring of building systems through the Warranty Period.
  11. Commissioning O&M Checklist for documenting the O&M Manual Process during the Construction Phase. This checklist can be used during the FPT demonstration to ensure proper documentation control is available to the Facility Department and compliance has been met with the Contract Documents.
  12. Functional Performance Test Narratives (FPTs) for documenting Trade Contractor required demonstration of system (s) to be commissioned.
  13. Corrective Action Log for documenting system installation of observation deficiencies, start-up deficiencies and deficiencies noted during demonstration of systems to the Owner (FPT). Each corrective action shall require a Trade Contractor or Design Team signoff that the corrective measure has been completed. Each FPT corrective action shall require a re-test of that deficiency to demonstrate Contract Document compliance.

### 3.3 COMMISSIONING TEST PLAN & SCHEDULE

- A. The Commissioning Test Plan & Schedule, included within this part of the specification is a list of activities that must occur leading up to and including the FPT demonstration to the Commissioning Team. The document lists the systems and associated equipment that will be commissioned.
- B. The Contractor shall work closely with the CA to input and keep current the activities within the Commissioning Test Plan & Schedule.

### 3.4 CURRENT FACILITIES REQUIREMENTS AND OPERATIONS AND MAINTENANCE PLAN

- A. Prepare and maintain a current facilities requirements and operations and maintenance plan that contains the information necessary to operate the building efficiently.
- B. The plan shall include the following:
  1. Sequence of operations for the building;
  2. Building occupancy schedule;
  3. Equipment run-time schedules;
  4. Setpoints for all HVAC equipment;
  5. Set lighting levels throughout the building;
  6. Minimum outside air requirements;
  7. Changes in schedules or setpoints for different seasons, days of the week, and times of day;
  8. Systems narrative describing the mechanical and electrical systems and equipment;
  9. Preventive maintenance plan for building equipment described in the systems narrative; and

10. Commissioning program that includes periodic commissioning requirements, ongoing commissioning

### 3.5 SYSTEMS MANUAL

- A. The Contractor shall be responsible for coordination and development of the System Manual beginning immediately following the acceptance of equipment and component in the submittal phase of the project. The Manual shall also serve as the LEED Enhanced Commissioning Credit EAc1 Systems Manual. The document to be used to track the development of the Systems Manual shall be the Systems Manual Table of Content.
- B. CA shall assist the Contractor with the development of a Systems Manual for the commissioned systems. The Systems Manual provides documentation of all pertinent, system readiness checklists leading up to the FPT system demonstration.
- C. This Manual, as it pertains to the LEED compliance shall also include but not limited to the Table of Content specified in Part 1 of this specification.

### 3.6 PRE-FUNCTIONAL CHECKLIST (PFCS)

- A. Each PFC included is the initial system ready checklist to be signed off by each applicable Trade Contractor as they complete their work on the specific piece of equipment.
- B. In addition to the PFC checklist, the Contractor shall supplement other pertinent documents based on the System Manual's Table of Content and the Commissioning Test Plan & Schedule.

### 3.7 SYSTEM READINESS CHECKLISTS (OBSERVATION OF INSTALLATION)

- A. CA will perform site visits and submit Field Reports including with the Report completed associated Observation of Installation Checklists.
- B. All deficiencies from the observation of installation will be noted on a Corrective Action Log and distributed to the Commissioning Team for corrective measures. LEED Credits EAp1 and EAc1. All deficiencies noted on the Observation Checklist Corrective Action Log shall be corrected by the appropriate Trade Contractor who will then provide the completed Action Log to the Contractor and CA prior to system demonstration (FPT).
- C. The Contractor may use but must enhance the CA furnished Observation Checklists as their "static inspection" checklist to confirm the completeness of the equipment installation prior to the Design Team's own equipment punch list.
- D. In addition to the Static Inspection checklists, the Contractor's equipment manufacturer and/or service department startup technician shall also provide their own inspection/system readiness checklists for each piece of equipment.

### 3.8 SYSTEM TRENDING DATA

- A. The Contractor shall provide system trending of specific points (i.e., discharge air temperature) for a minimum of 16 hours prior to system FPT demonstration and shall continue the trending after the system has been commissioned. During the Commissioning meetings, trending points shall be mutually agreed upon for the ATC Contractor(s) to program into the commissioning process.

- B. Contractor shall work with the CA and the Owner's Facility Manager in development of trending points during the ATC shop drawing phase.

### 3.9 FUNCTIONAL PERFORMANCE TESTS (FPT) NARRATIVES

- A. FPTs shall be provided by the CA for each system to be commissioned. The FPTs are the process by which a system shall be demonstrated to the Owner by the Contractor with the CA facilitating the process and the Owner's O&M Group participating.
- B. A FPT narrative have been inserted behind this Section 3 and is a "draft" sample for the Contractor to see as the level of effort and time needed to demonstrate the systems to be commissioned. This document, along with other system FPTs will be finalized during the Construction Phase upon final approved sequence of operations.
- C. Once the FPTs are completed, the Owner, Design Team, and the Contractor shall review and comment. Upon receipt comments, the CA shall finalize the FPTs.
- D. Final FPTs shall be used by the Contractor to implement in a "dry run" prior to the systems FPT demonstration to the CA and the Owner. During the dry run, trending shall occur as part of this system demonstration. With each completed dry run, the Contractor shall sign the FPT document and submit it to the CA as part of the Systems Manual.
- E. After the dry run, the CA shall facilitate the FPT system demonstrations, sequence-by-sequence with the Commissioning Team.

### 3.10 WARRANTY PERIOD

- A. Seasonal deferred FPT system demonstrations shall be completed in the Warranty Phase by the Commissioning Team. Leading up to the FPT demonstration(s), the Owner shall be trending the associated systems to assure the equipment is functioning per the Basis of Design. If the system(s) is not maintaining trend set points, the FPT demonstration shall be delayed until the Contractor has corrected the problem.
- B. Issues such as freeze-stat signal due to cold air stratification, cooling coil moisture carry-over, etc. during the air conditioning season shall also be resolved prior to the seasonal deferred FPT demonstration.
- C. Only that part of the system requiring deferred testing shall be demonstrated (i.e., heating valve sequence during heating season).
- D. A review of the building operation within 10 months after substantial completion with O&M staff and occupants per LEED EAc1. A plan for resolution of outstanding commissioning-related issues is provided. All outstanding construction deficiencies or deficiencies identified in this post-occupancy review should be documented and corrected under manufacturer or Contractor warranties.
- E. Team Member Responsibilities
  - 1. Owner Project Manager
    - a. Maintain records of problems or concerns associated with the systems during normal operation.
    - b. Distribute Post Construction Evaluation information to other Commissioning Team members for review and comment.

- c. Coordinate and facilitate the meeting with the Commissioning Team at the 10 month mark to discuss operational problems and concerns.
  - d. Oversee the revision of the OPR and BOD based on the results of the 10-month warranty meeting.
2. Owner Facility Manager
  - a. Maintain problems/complaints from occupants and Owner personnel regarding commissioned systems.
  - b. Participate in seasonal/deferred FPTs.
  - c. Maintain “as-commissioned” proper operation of the building systems.
  - d. Participate in 10 month Warranty meeting present the problems, issues, and concerns.
  - e. Identify warranty versus operational issues and concerns.
3. Commissioning Agent
  - a. Maintain Commissioning Corrective Action Log until all issues are resolved. LEED Credits EAp1 and EAc1. All updates shall be provided by the Contractor to the CA.
  - b. Facilitate seasonal/deferred FPTs.
  - c. Complete Final Commissioning Report document. LEED Credits EAp1 and EAc1.
  - d. Facilitate the update of the System Manual by Contractor per LEED Credit EAc1 - Enhanced Commissioning on any significant issues that were identified by the CA that will not be corrected and should be recorded in this System Manual.
  - e. Review of system trends.
4. Design Professionals
  - a. Be available to consult on the results of the seasonal/deferred FPT results.
  - b. Meet with the Commissioning Team at the 10 month mark to discuss operational problems and concerns. LEED Credits EAc1.
5. Construction Manager / General Contractor
  - a. Coordinate scheduling of seasonal/deferred FPTs.
  - b. Participate in 10-month Warranty meeting present the problems, issues, and concerns. LEED Credits EAc1.
  - c. Provide completed training documentation.
  - d. Update of the Systems Manual per LEED Credit EAc1 - Enhanced Commissioning on any significant issues that were identified by the CA that will not be corrected and should be recorded in the Systems Manual.
  - e. Address outstanding warranty issues and tasks identified as being under the original construction contract. LEED Credits EAc1.
6. Trade Contractors
  - a. Be present for and conduct seasonal/deferred FPTs. LEED Credits EAp1 and EAc1.
  - b. Address outstanding warranty issues and tasks identified as being under the original construction contract. LEED Credits EAc1
  - c. Be available to meet with the Commissioning Team at the 10 month mark to discuss operational problems, issues, and concerns.

7. Equipment Manufacturers
  - a. Be present for and conduct seasonal/deferred FPTs.
  - b. Participation shall include demonstration of furnished equipment operation and packaged control system functions.
  - c. Address outstanding warranty issues and tasks identified as being under the original construction contract. LEED Credits EAp1 and EAc1.
  - d. Be available to meet with the Commissioning Team at the 10 month mark to discuss operational problems, issues and concerns. LEED Credits EAc1.
8. Testing, Adjusting & Balancing
  - a. Conduct seasonal/deferred TAB associated with FPTs.

### 3.11 FINAL COMMISSIONING REPORT

- A. The LEED Final Commissioning Report shall contain the following and be delivered to the Owner within a reasonable time after occupancy:
  1. Executive Summary
  2. Correspondence
  3. Commissioning Specification
  4. Commissioning Test Plan & Schedule
  5. Submittal Log
  6. O&M Manuals Log
  7. Training Log
  8. Corrective Action Log
  9. Current Facilities Requirements and Operations and Maintenance Plan
  10. Systems Manual (a separate binder from the Contractor)
  11. Field Reports & Observation Checklists
  12. FPTs & Results
  13. Operator Handbooks (a separate binder)
  14. Scrubbed FPTs for Re-Commissioning
  15. LEED Documents
    - a. Owner's Project Requirements
    - b. Basis of Design
    - c. LEED Commissioning Certification Documents for USGBC Upload
- B. The Construction Manager with the participating Trade Contractors shall contribute to the successful project closeout and Final Commissioning Report by providing the following documentation.
  1. Submission of required information for the Current Facilities Requirements and Operations and Maintenance Plan, per LEED V4 EAp1.
  2. Submission of the completed Systems Manual to the CA, per LEED V4 EAc1.
  3. Submission of the completed Corrective Action Log to the CA.
  4. Project Closeout documents per the project contract.

END OF SECTION

SECTION 019115

BUILDING ENCLOSURE COMMISSIONING

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. The General Conditions of the Contract for Construction and the General Requirements are hereby made part of this specification. This section shall be read in conjunction with Specification Section 019113, *General Commissioning Requirements*.
- B. Related Sections:
  - 1. Section 019113 – *General Commissioning Requirements*
  - 2. Section 07 – *Thermal and Moisture Protection*
  - 3. Section 08 – *Openings*
- C. Reference Standards:
  - 1. ASTM E2813-12: *Standard Practice for Building Enclosure Commissioning*
  - 2. NIBS Guideline 3: *Exterior Enclosure Technical Requirements for the Commissioning Process*, 2006
  - 3. ASHRAE Guideline 0: *The Commissioning Process*, 2005

1.2 SUMMARY

- A. Commissioning is the systematic process of assuring by third-party design review, testing, documentation, and training from the design through construction, acceptance, and warranty phases that new Building Exterior Enclosure Assemblies perform independently and interactively in accordance with the design intent and design documentation.
- B. The independent third-party Commissioning Agent (CxA) for this project is NV5. Building Enclosure Associates, LLC (BEA) has been retained as the building envelope commissioning subconsultant to NV5. This section relates to the work associated with the building enclosure elements being commissioned with the involvement of the Owner, Design and Construction Team and an independent third-party Commissioning Agent.
- C. The requirements of this section are intended to supplement the other specification sections. Where any discrepancies exist between what is specified herein and elsewhere, the more stringent requirements apply.
- D. Commissioning shall be used to assess the following for building enclosure elements:
  - 1. CxA to review design and execution of building enclosure assemblies for thermal and water integrity, moisture vapor control and assembly life.



2. Completeness and functional performance according to design intent and Owner's operational needs prior to occupancy,
  3. Documented performance provided by the installed building enclosure elements, deficiencies found, and corrective actions taken,
  4. Pertinent, useful, and organized maintenance and warranty data.
- E. The Design Teams and installing contractors retain their full contract document responsibilities in providing a finished and fully functional facility. Commissioning does not take away from or reduce these responsibilities.
- F. Commissioning requires active project team involvement and participation to deliver effective and successful results for all concerned. Project Team to provide labor and project management required to support the commissioning process.
- G. This section is intended to supplement other sections of the construction contract and shall be read in conjunction with Division 1 - General Requirements, Division 7 – Thermal and Moisture Protection and Division 8 - Openings.
- H. The Commissioning Authority directs and coordinates all commissioning activities, this section describes some but not all of the Commissioning Authorities responsibilities.
- I. The Commissioning Authority is employed by the Owner.
- J. Commissioning Tasks:
1. CxA to review Design Phase Documents and provide comments to Design Team, Owner
  2. CxA to review Construction Phase Documents including building exterior-related submittals and shop drawings and provide comments to Design Team, Owner
  3. CxA to perform periodic observation of work in progress including documenting resolution of deficiencies identified through Cx process
  4. CxA to witness Field Testing of representative production assemblies
  5. CxA to perform Infrared Moisture Survey on newly completed roofing
  6. CxA to perform Infrared Façade Survey on newly completed facades
  7. CxA to complete Exterior-related commissioning documentation
  8. CxA to perform 10 Month Post-Commissioning Visit
  9. CxA to perform review of Exterior-related Project Close-Out Documents
  10. CxA to Issue Final Commissioning Report
- 1.3 SYSTEM DESCRIPTION
- A. Systems to be commissioned with the involvement of the independent third-party Commissioning Agent include but are not limited to the following Exterior Assemblies and related components:

1. Insulation
2. Weather Barriers
3. Exterior Cladding: Masonry, Facade Panels
4. Roofing Assemblies and Accessories
5. Sheet Metal Flashing and Trim
6. Fenestrations: Windows, Storefronts, Curtain Wall, Etc.
7. Joint Sealants
8. Any other building exterior-related equipment and systems explicitly identified elsewhere in Contract Documents as requiring commissioning.

#### 1.4 COMMISSIONING TEAM

##### A. Commissioning Team:

1. Owner's Project Manager/Representative
2. Owner's Operations & Maintenance Personnel
3. Design Team / Design Consultants
4. General Contractor or Construction Manager (Contractor) and Installers
5. Commissioning Agent (CxA)

##### B. Commissioning Coordination Supervisor: The Contractor and each Installer shall assign a Commissioning Coordination Supervisor with five (5) years of experience with the coordination of disciplines of construction. The Coordinator's responsibilities include:

1. Attendance at commissioning coordination meetings
2. Planning and coordination of commissioning activities
3. Incorporate commissioning activities into project scheduling
4. Compile and submit documentation
5. Communicate with Commissioning Agent
6. Direct resolution and documentation of corrective actions
7. Provide assistance for performance of functional performance tests directed by the Commissioning Agent and included in the project documents.
8. Address corrective actions and retain Third Party Testing Agent to perform retesting
9. Compile Project Warranty and Maintenance Documentation

CM excludes 3rd party testing

## 10. Submit Commissioning Documentation

## 1.5 SUBMITTALS

- A. Contractor and Installers shall submit the name of person(s) assigned as Commissioning Coordination Supervisor within (2) weeks of contract award. Contractor / Installer shall submit the following information for each assigned Commissioning Representative:
- Company Name
  - Name
  - Title
  - Years of Experience
  - Contact Information
- B. Submit a list of required submittals to the Commissioning Agent. Commissioning Agent will identify submittals relevant to systems being commissioned.
- C. The Contractor shall forward to the CxA one copy of Shop Drawings and Product Data concurrent with distribution to the A/E.
- D. CxA shall review and provide comments to the Owner and A/E within seven (7) business days, who will then review and incorporate the CxA's comments at their discretion and return to the Contractor. The Contractor shall then copy CxA with the reviewed submittal with A/E submittal review stamp.
- E. Submittal review by Commissioning Agent will provide insight to the appropriateness of the proposed system to the project conditions and detailing issues that should be resolved. Review will be performed for design intent only and will not include a review of the following issues: verification of dimensions, coordination between trades and/or documents, and other aspects of existing conditions, warranties, building code compliance, energy code compliance, sequencing, value engineering and/or constructability.
- F. Factory/Laboratory Test Reports - The Contractor shall provide any factory or laboratory testing documentation or certified test reports required by the specifications. These shall be provided prior to acceptance and installation of the specific item.
- G. Testing Agency Reports: Provide all documentation of work of independent testing agencies required by the specification. These shall be provided prior to acceptance by A/E and installation.
- H. Master Construction Schedule: Incorporate all commissioning milestones into the Master Construction Schedule. Provide monthly schedule updates.
- I. Submit a copy of Construction Meeting Minutes, Requests for Information (RFI), Design Team Supplemental Instructions (ASI), Requests for Proposals (RP), Change Orders (CO), etc. to Commissioning Agent for Record.
- J. Action Item Response: Respond to Action Items to which CxA team members assign the Contractor responsibility within 10 business days of issue.

**1.6 INSTALLATION GUIDELINES, TEST DATA, MAINTENANCE MANUALS AND WARRANTIES**

- A. Refer to individual sections for maintenance manual and warranty requirements.
- B. In addition to the submittal requirements of individual sections, submit one digital copy of the manufacturers' installation guidelines, laboratory test data, maintenance manuals and warranties for the systems listed in 1.3.A above.
- C. Product Safety/Data Manual: In addition to the requirements of individual sections, provide digital copies of a manual containing product data sheets for all products installed in the project. Manuals shall be arranged in the Division/Section CSI format as indicated in the Table of Contents of this project manual.

**1.7 CONTRACTOR'S RESPONSIBILITIES**

- A. Coordinate with the CxA pre-construction and construction field testing and submit laboratory and field quality control testing, field checklists and inspection reports on building enclosure construction to the CxA and Commissioning Team.
- B. Perform out of sequence work as required to facilitate field tests.
- C. Develop and maintain check lists for building enclosure assemblies.
- D. Submit maintenance data for products, assemblies, and components to the CxA as part of Submittal Review process.
- E. Provide test data, inspection reports, and certificates to CxA.
- F. Review and respond to Action Items in a timely manner (typically within 10 business days).
- G. Contractor is responsible for the cost of all re-tests and compensation of time for Architect and CxA related to all additional work necessitated by re-testing of specimens following an initial test failure.
- H. Provide input for final commissioning documentation.

**PART 2 - PRODUCTS - NOT USED****PART 3 - EXECUTION****3.1 COORDINATION**

- A. Assign Commissioning Representative (see 1.4 for requirements).
- B. Design Team to include Commissioning Agent on material submittals (see 1.5 for details).
- C. Contractor and Installers to review the commissioning requirements.
- D. Include commissioning activities in the master schedule.
- E. Request clarification as needed.

### 3.2 CONSTRUCTION PHASE

#### A. Scheduling:

1. Contractor to provide Commissioning Agent time line schedule for construction of various building enclosure elements including schedule for coordination meetings and any field testing of exterior components.
2. Commissioning Agent to provide input into the master scheduling process with regards to timing and duration of the functional performance tests. The master scheduling process will include the functional performance tests. Location of field tests to be specified by the Design Team.

CX Agent needs to provide the list of FPT's to be done

3. Contractor and Installer through its Commissioning Coordination Supervisor shall forward to the Commissioning Agent and Project Team, a list and schedule of functional performance tests to be performed. Unless specified otherwise, provide a minimum two week notice to the Commissioning Agent for specified functional tests to be witnessed. See Section 3.2 through 3.6 of this section for additional information.

#### B. Commissioning Kick-Off Meeting:

Commissioning Agent will plan and conduct a meeting early in construction phase to review commissioning activities and responsibilities with all parties involved. Meeting will include discussing incorporating CX Schedule with the Construction Schedule, reviewing the submittal review requirements, the inspection and testing process, and developing the formal lines of communication between all parties.

Attendance will be required of all members of the Commissioning Team.

#### C. Site Visits:

1. Contractor responsible for providing safe and full access to Commissioning Agent, or his representative to make observations of the work in progress during the course of the project.
2. Periodic site visits will be made during Construction by Commissioning Agent to become generally familiar with the progress and quality of the work and to determine in general if the work, when completed, will be in accordance with the contract documents. Visits will be coordinated with Owner's Project Manager and Contractor.
3. The CxA will issue a Field Report to the Commissioning Team following each site visit. Field Report will contain general observations and a Deficiency Log. See 3.2 D for further information.
4. Site visits will be made whenever possible, to review completed air and vapor barrier/flashings prior to installation of cladding. Commissioning Agent will inform the Owner's designated inspector for the Air Barrier of items to be inspected and reports to be provided.
5. Construction observations made by Commissioning Agent will be made independently of and in addition to those observations to be performed by the Contractor, Design Team and others involved in this project.

6. Exhaustive or continuous on-site observations are not included. Means and Methods of Construction as well as worker safety programs and precautions are the sole responsibility of the Contractor and not part of our responsibility or control.

D. Deficiency Log:

1. Throughout the Construction Process, the CxA will maintain a Commissioning Issues Log which will enumerate deficiencies observed during field visits.
2. Responses to and resolution of items included in deficiency log are required by the responsible party within 10 days of receipt of report. Deficiency will remain in log until resolved. Responses shall include text and photographs for each condition identified.
3. Resolution of all deficiency items required for completion of project. See Part 3.7 of this specification for additional information.

### 3.3 OWNER'S FUNCTIONAL PERFORMANCE TESTS

- A. Functional field performance testing will be performed on representative typical building exterior assemblies to verify their conformance with Project Performance Requirements. Demonstration of successful field performance testing is required for Project Close Out.
- B. This testing is to be performed by a **Third Party Independent Testing Agent retained by the Owner, unless specified otherwise.**
- C. Location of field tests to be specified by Design Team and CxA.
- D. Contractor and Installer to provide personnel and equipment as required to assist the third party testing agent to perform the functional performance tests, including retesting required due to corrective actions required.
- E. Installer to reference Project Specifications for specified field testing work and request clarification from Design Team or Commissioning Agent if necessary. Contractor / Installer to review and comment on the final detailed functional performance test procedures identified. Provide feedback as to the efficiency of the procedures and possible alternate approaches to achieving the same results.
- F. Contractor and Installer through it's Commissioning Coordination Supervisor shall forward to the Commissioning Agent and Project Team, a list and schedule of functional performance tests to be performed.
- G. Unless specified otherwise, provide a minimum two week notice to the Commissioning Agent for specified functional tests to be witnessed.
- H. Test Reports by Others:

Provide Commissioning Agent full access to inspection and test reports on building enclosure elements by various agencies retained by the Contractor, Installer or Owner. Submit Contractor and Installer's Testing Agent's test reports to the Commissioning Agent, Owner and Design Team within one week of the successful completion of each test.

### 3.4 PRETESTING INSPECTION AND ACCEPTANCE BY INSTALLER

- A. Prior to the scheduled start of functional performance tests, Installer (s) to submit Pre-Functional Test Statement to CxA and Project Team, indicating written acceptance of completed work and confirming readiness for functional field testing.
- B. Pre-Functional Test Statement to indicate that systems installed as part of the project and scheduled to be tested are 100% complete and ready to be tested to confirm their compliance with the Project's Performance Requirements.
- C. Functional performance testing on a system shall not commence until Pre-Functional Test Statement is provided by the Installer.
- D. Prior to the Commissioning Agent attending any field testing, the following requirements must be met in advance:
  - 1. Installer(s) responsible for installing components to provide *Pre-Functional Test Statement* for assemblies scheduled for field testing, verifying their completion and suitability for testing. This documentation is to be distributed to the Team, including the CxA at least one week in advance of scheduled test.
  - 2. The responsible Installer is to be present for any field testing performed.
  - 3. It is recommended that Installer inform Manufacturer of assemblies being tested that testing will take place, and it is encouraged that a Manufacturer's representative be present to witness this field testing.
  - 4. Time lost and costs incurred (including cost of Commissioning Agent) due to a false start of functional performance testing because of inaccurate, incomplete, and/or untruthful field data shall be paid for by the party providing the erroneous data.

### 3.5 FUNCTIONAL PERFORMANCE TESTING

- A. Building enclosure elements shall be tested in accordance with the requirements of the Technical Sections for these items of work. As a minimum, tests shall be performed on at least two occasions during production work.
- B. Perform the following tests with associated field performance criteria in addition to any testing (laboratory or field) not listed herein, but listed in other technical specification sections.
  - 1. If laboratory testing is not performed, then the proposed curtain wall assemblies are still to comply with the referenced testing standards.
- C. All testing should be performed in accordance with the most current AAMA and ASTM and other applicable standardized Test Methods for the assembly being tested.
- D. All performance criteria to be used for the basis of field testing should be provided by the Design Team. Per the Design Team, Field Testing for Water Penetration Resistance is to be performed per the full Laboratory Test Pressure differential, without the field reduction allowed by the Test Methods.
- E. Field Test locations to be determined by Design Team and CxA. Additional testing may be performed at the discretion of the Owner/OPM and Design Team.

- F. Provide input into the master scheduling process with regards to timing and duration of the functional performance tests. The master scheduling process will include the functional performance tests.
- G. Review and comment on the final detailed functional performance test procedures identified by the Commissioning Agent based on the system shop drawings and submittals. Provide feedback as to the efficiency of the procedures and possible alternate approaches to achieving the same results.
- H. Provide personnel and equipment as required to assist the third party testing agent to perform the functional performance tests, including retesting required due to corrective actions required.
- I. Building enclosure assemblies shall be tested by a Third Party Independent Testing Agency retained by the Owner in accordance with the requirements of the Technical Sections for these items of work.

The following is a series of functional testing to be performed by the Owner's Third Party Testing Agency and witnessed by the Commissioning Agent:

1. Building Exterior Assemblies:

Functional Field Testing of representative building exterior assemblies should be performed in accordance with the Project Specifications at a minimum during the following stages of construction:

a. Mock-Up Assemblies:

Field testing should be performed as soon as possible after initial installation of the assemblies, either on a mock-up or at no later than 25% completion. If failure occurs, additional testing to be performed to determine source of failure and no additional installation should occur until mock-up assemblies meet the Project Performance Requirements as demonstrated through successful field testing.

b. Production Assemblies:

Field testing should be performed on representative exterior assemblies as indicated in the table below. Test specimens shall consist of different fenestration configurations/types during each test, unless indicated as acceptable by CxA in advance. Locations of field tests to be selected by Design Team.

The intent of testing is to verify that the installed assemblies meet Project Performance Requirements.

If failure occurs, additional testing to be performed to determine source of failure. Testing to continue until successful field testing demonstrates compliance with the Project Performance Requirements.

- c. Curtain Wall field testing for air infiltration and water penetration resistance (ASTM E783, E1105) is required to be performed on a minimum of 1 test per unique curtain wall type / application. This field testing shall also include 1 test performed at each unique transition between the curtain wall and adjacent air barrier transition systems.



d. Required minimum scope of functional field testing indicated in the following table:

| <b>Minimum Functional Testing performed by Owner's Third Party Testing Agency:</b>              |  |   |   |
|---|--|---|---|
| <b>Component</b>  | <b>Test Method</b>   | <b>Quantity</b>   | <b>Frequency</b>  |
| Air / Vapor Barrier   | Qualitative Testing:<br>ASTM E1186                                       | 1 assembly  | 25% Completion (STEM)   |
|   | Quantitative Testing:<br>ASTM E783                                       | 1 assembly  | 25% Completion (STEM)   |
|   | Adhesion Testing:<br>ASTM D4541  | 1 assembly  | 25% Completion (STEM)   |
| Joint Sealants  | Adhesion Testing:<br>ASTM D4541  | Prior to 25%,<br>1 additional time after 50%<br>Completion  | 25 & 50%<br>Completion<br>(Tappan, STEM)                              |
|   | Field Adhesion Pull Test:<br>ASTM C1521                                  | Per Test Method.<br>Minimum 10 test locations<br>per first 1,000 linear feet of<br>joint length. 1 test per<br>1,000 linear feet or 1 test<br>per elevation after that. | 25% Completion,<br>Throughout course<br>of project.<br>(Tappan, STEM) |
| <b>Firesafing and Firestopping inspections and testing is by Owner if required.</b>             |  |   |   |
| Curtain Wall  | Air Infiltration & Water Penetration:<br>ASTM E783, ASTM E1105, AAMA 503 | 1 assembly  | 25% of Completion (Tappan)  |
|   |  | 1 assembly  | Mock-up (STEM)  |
|   |  | 1 assembly  | 75% of Completion (STEM)  |
|   | Water Penetration:<br>AAMA 501.2   | 1 assembly  | 50% of Completion (Tappan)  |
|   |  | 1 assembly  | Mock-up (STEM)  |
|   |  | 2 assemblies  | 50% of Completion (STEM)  |
|   |  | 2 assemblies  | 75% of Completion (STEM)  |
|   | Qualitative Air Leakage:<br>ASTM E1186                                   | Min. 1 test per unique air barrier transition   |   |
| Note: 1 assembly = min. 100 sf or entire fenestration within wall opening                       |  |   |   |
| <b>Functional Testing performed by CxA:</b>   |  |   |   |
| Completed Building Exterior   | Infrared Thermal Survey – ASTM C1060                                     | Entire New Façade of STEM Wing Only   | Following Completion, performed subject to weather requirements       |
| Roofing   | Infrared Moisture Survey – ASTM C1153                                    | Entire New Flat Roof Assembly: Tappan Addition, STEM Wing   | Following Completion, performed subject to weather requirements       |
| Note: Contractor to provide access to CxA personnel to assist in completing functional testing. |  |   |   |

J. Deviations from Standard Test Methods:

If the Testing Agent anticipates deviating from the standard test methods for any assemblies, including those methods indicated in this specification, the deviations are to be indicated in

writing and submitted for review to the CxA and Commissioning Team at least 3 days in advance of scheduled testing.

Any deviations from the standardized test methods indicated in this specification are to be agreed to by all parties involved, including the OPM, Design Team/Engineer, Contractor/Installer and CxA prior to the testing being performed.

K. Partial Fenestration Test Specimens:

Due to the length and width of some of the fenestration assemblies included in this project, there may be issues in constructing a test chamber to comply with requirements specified by AAMA and ASTM - a test chamber that is able to encapsulate, and introduce a test pressure differential on the entire assembly.

To accommodate these conditions, some of the field testing performed on this project may be performed on a partial assembly/specimen as a deviation to these test methods, with prior approval by CxA in advance.

1. This partial test specimen may consist of a portion of the fenestration with a minimum size of 100 sf or shall consist of a width of at least 2 vertical mullions and extend at least 2 horizontal mullions in height, including either or both the sill and head of the assembly.
2. With this partial test specimen configuration, air infiltration readings taken during this test may not be representative of the entire installed assembly and should be taken for reference only and not for measurement of conformance with project performance requirements.

assume during  
construction  
mobilization

L. Contractor responsible for providing personnel and equipment as required to assist the following seasonally deferred functional performance tests performed by the Commissioning Agent:

1. Moisture Survey of Newly Completed Roofing at ~~Toppan~~ and STEM Wing
2. Thermal Survey of Newly Completed Façade Areas at STEM Wing

### 3.6 FUNCTIONAL PERFORMANCE TEST FAILURE

A. If failure occurs during field testing, the following steps are to be taken:

1. Investigatory work shall be performed as necessary by the responsible Installer or Manufacturer to identify source of failure.
2. The Installer or Manufacturer is to identify a course of remedial work, which is to be approved by the Owner and Design Team prior to being performed. Course of remedial work is to be performed on the assembly that has experienced failure. Upon completion of the remedial work, re-testing is to be performed at the responsible party's expense until successful results are achieved.
3. Following completion of successful field testing, all similar assemblies are to be reviewed by the Installer and/or Manufacturer and those with similar issues are to be identified. The approved course of remedial work is to be performed on at least one other assembly and this assembly is to be field tested.

4. For every failed assembly, at least one additional assembly is to be tested. Additional testing beyond this requirement may be performed at the request of the Owner and Design Team.
5. Upon completion of successful field testing of additional assemblies, the approved course of remedial work is to be performed on all similar assemblies. The course of inspection and remedial work, and locations of this work performed are to be documented for Record in writing and with photographs by the Installer / Manufacturer as a minimum.

### 3.7 CORRECTIVE ACTIONS

- A. Installer or Manufacturer to respond in writing to and perform corrective actions for resolution of deficiencies found during all periods of construction and testing. Responses shall be provided within 2 weeks following documentation of deficiency. Responses shall include a description and photograph of the remedial work performed.
- B. Corrective work and retesting shall continue until all deficiencies identified have been corrected to the satisfaction of the Owner.
- C. Additional costs associated with the need to retest a system, including cost of Commissioning Agent, become eligible for being paid for by the party or parties responsible for the need for further retesting. There will be no charges to the Owner for retest of systems that do not pass the functional performance requirements during commissioning testing.

### 3.8 WARRANTY AND CLOSE OUT DOCUMENTS

- A. CxA to prepare building exterior Systems Manual as part of the Close Out phase of the project. CxA to receive copies of Close Out Documents, including Operation and Maintenance Documents, Warranties and other Record Documentation concurrent with submission to the Design Team of Record for Review.
- B. CxA to perform review of items for compliance with requirements identified in Contract Documents. Documents submitted for close out to be included in Building Exterior Systems Manual submitted at conclusion of the project / commissioning process.

### 3.9 POST COMMISSIONING

- A. The Commissioning Agent will perform a post commissioning warranty review of newly completed exterior work ten months after substantial completion. This visit will include a visual review of the building envelope to identify issues of concern with the performance of the building envelope elements and repair work required.
- B. This review will be documented in a Field Report distributed to Project Team. Any deficiencies identified during post commissioning review are to be remediated by responsible Contractor.
- C. Commissioning Agent to assist with planning the satisfactory resolution of warranty problems and committing the necessary resources to follow through with achieving the activities planned. Complete any unfinished performance verification.

### 3.10 PROJECT COMPLETION

- A. Following completion of review of Close Out Documents and Post Commissioning visit, and resolution of any deficiencies identified during all phases, the Commissioning Agent may proceed with their Close Out of the Project.

- B. Upon completion of the Commissioning activities, a Commissioning Report will be generated documenting the Commissioning Process from Design through the Post Commissioning Phases. Copies of all documents generated by the CxA and building exterior related items generated by Others during these phases will be included in the Report.
- C. The Commissioning Report will include the following:
1. Comments made by Commissioning Team on Design Phase Documents and Action taken by Design Team;
  2. Review comments made by Commissioning Team on Submittals and Shop Drawings and action taken by Design/Construction Team;
  3. BEA Field and Functional Test Reports and Deficiency Resolution Log;
  4. Functional Test Reports by Others;
  5. Building Enclosure Product Warranties and other Close Out Documents;
  6. Cumulative Punchlist and resolution of same;
  7. Post Completion Field Report and documented resolution of any deficiencies;
  8. Letter of compliance, assuming all non-compliance items are addressed.

END OF SECTION



Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT GC: CONSTRUCTION GENERAL CONDITIONS**

See attached worksheets

| Name                        | Position/Role        | Jan-20 | Feb-20 | Mar-20     | Apr-20     | May-20     | Jun-20       | Jul-20       | Aug-20       | Sep-20       | Oct-20       | Nov-20       | Dec-20       | Jan-21       | Feb-21       | Mar-21       | Apr-21       | May-21       | Jun-21       | Jul-21       | Aug-21       | Sep-21       | Oct-21       | Nov-21       | Dec-21       | Jan-22       | Feb-22                                | Mar-22       | Apr-22       | Project Final Budget |              |            |
|-----------------------------|----------------------|--------|--------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------------------|--------------|--------------|----------------------|--------------|------------|
| Dan Lanneville              | Account Mngr         |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      | \$ -         |            |
| Jim Craft                   | Project Executive    |        |        | 0.5        | 0.5        | 0.5        | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         |                                       |              |              |                      | \$ 348,308   |            |
| Peter Roche                 | Senior PM            |        |        | 1          | 1          | 1          | 1            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      | \$ 85,300    |            |
| Rob Mulligan                | Senior PM            |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          | 0.5          | 0.5                                   | 0.25         |              |                      | \$ 583,332   |            |
| Timothy Landry              | EHS Manager          |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          |              |              |                                       |              |              |                      | \$ 245,739   |            |
| Mark Perner                 | Scheduling           |        |        | 0.2        | 0.2        | 0.2        | 0.2          | 0.2          | 0.2          | 0.2          | 0.2          | 0.2          | 0.2          | 0.2          | 0.2          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          |              |              |                                       |              |              |                      | \$ 90,181    |            |
| Matt Emond                  | BIM Coordination     |        |        | 0.4        | 0.4        | 0.2        | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          | 0.1          |              |              |                                       |              |              |                      | \$ 52,385    |            |
| Anna Lee                    | Accountant           |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5                                   | 0.25         |              |                      | \$ 325,584   |            |
| Linda Swartz                | Accountant           |        |        | 0.5        | 0.2        |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      |              | \$ 9,559   |
| Dionne Sweeting             | Accountant           |        |        | 0.2        |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      |              | \$ 1,845   |
| Sandy MacLeod               | Permitting           |        |        |            |            |            |              |              |              |              |              |              |              |              | 0.1          | 0.1          | 0.1          |              |              |              | 0.1          | 0.1          | 0.1          |              |              |              |                                       |              |              |                      | \$ 13,041    |            |
| Jamie Reynolds              | CX Support (Cypress) |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | 0.05         | 0.1          | 0.1          | 0.1          | 0.05         | 0.05         |              |              |                                       |              |              |                      | \$ 10,746    |            |
| Gabe Stallions              | CX Support (STEM)    |        |        |            |            |            |              |              |              |              |              |              |              |              | 0.1          | 0.1          | 0.1          | 0.05         | 0.05         |              |              |              |              |              |              |              |                                       |              |              |                      | \$ 9,009     |            |
| Lauren Daly                 | Administrator        |        |        | 1          | 1          | 0.5        | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5                                   |              |              |                      | \$ 142,006   |            |
| Jamie Simon ©               | Project Manager      |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          |              |              |              |              |                                       |              |              |                      |              | \$ 303,160 |
| Tom Melanson ©              | APM                  |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          | 0.5          |              |              |                                       |              |              |                      |              | \$ 215,096 |
| Chris Roche ©               | MEP PE               |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            |              |              |                                       |              |              |                      |              | \$ 170,472 |
| Office Coop 1 - Evan ©      | Intern               |        |        | 0.325      | 0.325      | 0.325      | 0.325        |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      |              | \$ 8,868   |
| Steve Papastephanou ©       | Superintendent       |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          |              |              |              |              |              |                                       |              |              |                      |              | \$ 320,899 |
| Brigitte Perera ©           | A Super              |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5          |              |              |              |              |                                       |              |              |                      |              | \$ 172,420 |
| Mike Pugh (A)               | Project Manager      |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5                                   |              |              |                      |              | \$ 361,220 |
| Paul Swetz (A)              | Project Engineer     |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 1            |              |                      |              | \$ 192,272 |
| Robert Koenig (50% A 50% H) | Senior PM            |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 0.5                                   |              |              |                      |              | \$ 516,789 |
| Office Coop 2 - Troy Deluca | Intern               |        |        | 1          | 1          | 1          | 1            | 1            | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5                                   | 0.5          |              |                      |              | \$ 79,781  |
| Nathan Moore (A)            | MEP PE               |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 1            |              |                      |              | \$ 209,074 |
| Connor Hennessey            | APM                  |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 0.5          |              |                      |              | \$ 260,730 |
| Steve Brown                 | Cost Engineer        |        |        |            |            | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 1            |              |                      |              | \$ 87,454  |
| Mike Gear (A&C)             | Sr Super             |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 1            |              |                      |              | \$ 474,709 |
| Adam Farrar (A)             | Superintendent       |        |        | 1          | 1          | 1          | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1            | 1                                     | 1            |              |                      |              | \$ 439,846 |
| Kylie Williams (A)          | A Super              |        |        | 1          | 1          |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                                       |              |              |                      |              | \$ 20,934  |
| Monthly Budget              |                      | \$ -   | \$ -   | \$ 288,813 | \$ 291,393 | \$ 282,567 | \$ 280,736   | \$ 385,533   | \$ 254,645   | \$ 254,522   | \$ 291,439   | \$ 240,984   | \$ 361,476   | \$ 240,984   | \$ 245,201   | \$ 242,600   | \$ 249,878   | \$ 247,683   | \$ 373,137   | \$ 240,743   | \$ 210,628   | \$ 191,384   | \$ 183,214   | \$ 122,963   | \$ 184,444   | \$ 99,302    | \$ 20,275                             | \$ 3,215     | \$ -         | \$ 5,750,760         |              |            |
| Cumulative Budget           |                      | \$ -   | \$ -   | \$ 288,813 | \$ 580,206 | \$ 862,774 | \$ 1,143,510 | \$ 1,529,043 | \$ 1,783,688 | \$ 2,038,210 | \$ 2,292,648 | \$ 2,533,632 | \$ 2,895,108 | \$ 3,136,092 | \$ 3,381,294 | \$ 3,623,894 | \$ 3,873,772 | \$ 4,121,455 | \$ 4,494,592 | \$ 4,735,335 | \$ 4,945,962 | \$ 5,137,346 | \$ 5,320,560 | \$ 5,443,523 | \$ 5,627,967 | \$ 5,727,269 | \$ 5,747,544                          | \$ 5,750,760 | \$ 5,750,760 | \$ 5,750,760         | \$ 5,750,760 |            |
|                             |                      |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | Subtotal of GC Labor Forecast (Above) | \$ 5,750,760 |              |                      |              |            |
|                             |                      |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | Cost to Date                          | \$ 2,924,450 |              |                      |              |            |
|                             |                      |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | GC Non-labor Forecast                 | \$ 478,790   |              |                      |              |            |
|                             |                      |        |        |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | Total                                 | \$ 9,154,000 |              |                      |              |            |





Town of Brookline

**Brookline High School Expansion Project | Project A and B**

**EXHIBIT GR: CONSTRUCTION GENERAL REQUIREMENTS**

See attached worksheets



Skanska USA Building  
 Brookline High School  
 General Requirements

SUMMARY GENERAL + PROJECTS A and C  
 GMP RESUBMISSION: 7/10/2020

| Phase/Category                                      |              | Original GMP Submission 3/13/2020 | Revised Estimated Value | % Discount for GMP applied to all items equally within category | Revised GMP Value  |
|---|--------------|-----------------------------------|-------------------------|---|--------------------|
| <b>Cost To Date</b>                                 |              |                                   |                         |   |                    |
| (February 2020 Requisition Total Completed)         |              | \$1,286,914                       | \$1,286,914             |   | \$1,286,914        |
| <b>Forecasted GR Vendor Costs</b>                   |              |                                   |                         |   |                    |
| GENERAL   |              | \$1,546,030                       | \$1,414,630             | 10%   | \$1,273,167        |
| Project A: 111 Cypress                              |              | \$1,037,905                       | \$1,037,905             | 10%   | \$934,115          |
| Project C: STEM                                     |              | \$644,990                         | \$644,990               | 10%   | \$580,491          |
| Project F: Deferred Maint.                          |              | \$35,490                          | \$35,490                |   | \$35,490           |
| <b>Forecasted Direct Costs to be Assigned to BP</b> |              |                                   |                         |   |                    |
| GENERAL   |              | \$137,000                         | \$187,000               |   | \$187,000          |
| Project A: 111 Cypress                              |              | \$1,265,000                       | \$1,195,000             |   | \$1,195,000        |
| Project C: STEM                                     |              | \$721,000                         | \$621,000               |   | \$621,000          |
| Project F: Deferred Maint.                          |              | \$0                               | \$0                     |   | \$0                |
| <b>Forecasted Craft Labor</b>                       |              |                                   |                         |   |                    |
| Union Laborer                                       |              | \$2,052,697                       | \$2,052,697             | 5%  | \$1,950,062        |
| Construction Waste Management                       |              | (\$1,606,122)                     | (\$1,606,122)           |   | (\$1,606,122)      |
| Union Carpenter                                     |              | \$364,759                         | \$364,759               | 5%  | \$346,521          |
|   | <b>TOTAL</b> | <b>\$7,485,663</b>                | <b>\$7,234,263</b>      |   | <b>\$6,803,638</b> |







| Phase  | 2020 |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |
|--|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  | Jan  | Feb | Mar | Apr  | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr  | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
| <b>PROJECTED SCHEDULE</b>                        | 1    | 2   | 3   | 4    | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16   | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  |
| Project A: 111 Cypress                           |      |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| Project C: STEM                                  |      |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| Project F: Deferred Maintenance (Elevators Only) |      |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| Closeout   |      |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |

| Description                                       | Cost to Date 2020 |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     | Units | Unit Cost | Lump Sum Value | Total Estimated Value | Notes |     |     |     |     |     |
|---|-------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-------|-----------|----------------|-----------------------|-------|-----|-----|-----|-----|-----|
|   | Jan               | Feb | Mar | Apr  | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr  | May | Jun |       |           |                |                       |       | Jul | Aug | Sep | Oct | Nov |
| <b>Items from Table A</b>                         |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Construction Equipment and Tools (Small Tools)    |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Temporary Enclosures                              |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Debris and Trash Removal (Union Labor Foreman)    |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Dust Control                                      |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Dumpsters   |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Temp Toilets                                      |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Project Signage                                   |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Safety railings, nets, ladders (Union Carpenter)  |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Firefight equipment                               |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| Security guards                                   |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Police Details                                    |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| <b>Other Items</b>                                |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Fire Alarm Impairment ALLOWANCE                   |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Utility consumption                               |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| Construction Materials (Temporary)                |                   |     |     |      |     | 1   | 1   | 1   |     |     |     |     |     |     |     |      | 1   | 1   | 1     |           |                |                       |       |     |     |     |     |     |
| <b>SUBTOTAL</b>                                   | <b>\$0</b>        |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| <b>Direct Cost to be Assigned to Bid Packages</b> |                   |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| <b>SUBTOTAL</b>                                   | <b>\$0</b>        |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |
| <b>Subtotal Project Requirements</b>              | <b>\$0</b>        |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |       |           |                |                       |       |     |     |     |     |     |

FORECAST FOR CRAFT LABOR

|                                    |             |             | 40.00 |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |   |                                 |                                 |          |
|------------------------------------|-------------|-------------|---|--|-----------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---|---------------------------------|---------------------------------|----------|
| LABORERS/CARPENTERS                |             |             | Wks   | 4.33 |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              |   | Total Estimated Value           | Revised Value with 5% Reduction | Variance |
| Position                           | Pay Type    | Hourly Cost | Jan-20  | Feb-20   | Mar-20    | Apr-20     | May-20     | Jun-20     | Jul-20     | Aug-20     | Sep-20     | Oct-20     | Nov-20     | Dec-20       | Jan-21       | Feb-21       | Mar-21       | Apr-21       | May-21       | Jun-21       | Jul-21       | Aug-21       | Sep-21       | Oct-21       | Nov-21       | Dec-21       | Total Estimated Value                       | Revised Value with 5% Reduction | Variance                        |          |
| Labor Foreman <b>Cypress</b>       | Regular     | \$ 85.00    |   | 0.25   | 1.0       | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | \$ 327,565                                  | \$ 311,186                      |                                 |          |
|                                    | Overtime    | \$ 109.00   |   | 0.06   | 0.25      | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | \$ 105,013                                  | \$ 99,763                       |                                 |          |
|                                    | Double Time | \$ 136.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              | \$ -  | \$ -                            |                                 |          |
| Daily Cleaning <b>Cypress</b> (#1) | Regular     | \$ 79.00    |   |  |           | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | \$ 273,656                                  | \$ 259,973                      |                                 |          |
|                                    | Overtime    | \$ 104.00   |   |  |           | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | \$ 90,064                                   | \$ 85,561                       |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              | \$ -  | \$ -                            |                                 |          |
| Daily Cleaning <b>Cypress</b> (#2) | Regular     | \$ 79.00    |   |  |           |            |            |            |            |            |            |            |            |              | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | \$ 136,828   | \$ 129,987                                  |                                 |                                 |          |
|                                    | Overtime    | \$ 104.00   |   |  |           |            |            |            |            |            |            |            |            |              | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | \$ 45,032    | \$ 42,780                                   |                                 |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Steward <b>Cypress/STEM</b>        | Regular     | \$ 79.00    |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
|                                    | Overtime    | \$ 104.00   |   | 0.06   | 0.25      | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | \$ 91,190    | \$ 86,630                                   |                                 |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Labor Foreman <b>STEM</b>          | Regular     | \$ 85.00    |   | 0.25   | 1.0       | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          |              |              |              |              |              | \$ 239,233   | \$ 227,271                                  |                                 |                                 |          |
|                                    | Overtime    | \$ 109.00   |   | 0.06   | 0.25      | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         |              |              |              |              |              | \$ 76,695    | \$ 72,860                                   |                                 |                                 |          |
|                                    | Double Time | \$ 136.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Daily Cleaning <b>STEM</b> (#1)    | Regular     | \$ 79.00    |   |  |           |            |            |            |            | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          |              |              |              |              |              |              | \$ 136,828   | \$ 129,987                                  |                                 |                                 |          |
|                                    | Overtime    | \$ 104.00   |   |  |           |            |            |            |            | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         |              |              |              |              |              |              | \$ 45,032    | \$ 42,780                                   |                                 |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Daily Cleaning <b>STEM</b> (#2)    | Regular     | \$ 79.00    |   |  |           |            | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          |              |              |              |              |              |              | \$ 177,876   | \$ 168,983                                  |                                 |                                 |          |
|                                    | Overtime    | \$ 104.00   |   |  |           |            | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25       | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         | 0.25         |              |              |              |              |              |              | \$ 58,542    | \$ 55,615                                   |                                 |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Daily Cleaning <b>STEM</b> (#3)    | Regular     | \$ 79.00    |   |  |           |            |            |            |            |            |            |            |            |              | 1.00         | 1.00         | 1.00         | 1.00         |              |              |              |              |              |              |              | \$ 54,731    | \$ 51,995                                   |                                 |                                 |          |
|                                    | Overtime    | \$ 104.00   |   |  |           |            |            |            |            |            |            |            |            |              | 0.25         | 0.25         | 0.25         | 0.25         |              |              |              |              |              |              |              | \$ 18,013    | \$ 17,112                                   |                                 |                                 |          |
|                                    | Double Time | \$ 128.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
| Carpenter Foreman                  | Regular     | \$ 104.00   |   | 0.25   | 1.0       | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | \$ 364,759   | \$ 346,521                                  |                                 |                                 |          |
| Dave Daniels                       | Overtime    | \$ 135.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
|                                    | Double Time | \$ 169.00   |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              | \$ -         | \$ -  |                                 |                                 |          |
|                                    |             |             | -   | 15,350   | 61,399    | 79,585     | 97,771     | 97,771     | 97,771     | 115,957    | 115,957    | 115,957    | 115,957    | 115,957      | 115,957      | 152,329      | 152,329      | 152,329      | 152,329      | 97,771       | 78,330       | 78,330       | 78,330       | 78,330       | 55,814       | 19,442       | \$ 2,241,056                                | \$ 2,129,004                    |                                 |          |
|                                    |             |             | \$ -  | \$ 15,349.85   | \$ 76,749 | \$ 156,335 | \$ 254,106 | \$ 351,877 | \$ 449,649 | \$ 565,606 | \$ 681,564 | \$ 797,521 | \$ 913,478 | \$ 1,029,436 | \$ 1,145,393 | \$ 1,297,723 | \$ 1,450,052 | \$ 1,602,381 | \$ 1,754,711 | \$ 1,852,482 | \$ 1,930,812 | \$ 2,009,142 | \$ 2,087,471 | \$ 2,165,801 | \$ 2,221,615 | \$ 2,241,056 |   |                                 |                                 |          |
|                                    |             |             |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              | Assumed cost of 15 Diversions               | \$ 176,400                      | \$ 167,580                      |          |
|                                    |             |             |   |  |           |            |            |            |            |            |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |              | Total (Incl Div) Deduct Const Wate Mangment | \$ 2,417,456                    | \$ 2,296,584                    |          |

| ESTIMATED COST OF DIVERSION       |          |      |                       |
|-----------------------------------|----------|------|-----------------------|
| Laborer and Steward               |          |      |                       |
| 15 diversions Fri 10pm - Sun 10pm |          |      |                       |
| Fri night                         | 8hrs OT  | 8    | 109                   |
| Sat                               | 16hrs OT | 16   | 109                   |
| Sun                               | 24hrs DT | 24   | 136                   |
|                                   |          | 3264 | Diversions Lab & Stew |
|                                   |          | 5880 | 15                    |
|                                   |          |      | 2                     |
|                                   |          |      | 176400                |



**Prime Contract Change Order Number 007**

**Date: 7/10/2020**

**Brookline High School**

**Project # 1318014**

**Skanska USA Building Inc.**

**To Contractor:**

Skanska USA Building Inc.

**The Contract is hereby revised by the following items:**

GMP Schedule Adjustment

| <b>AR</b> | <b>CE</b> | <b>Description</b>      |    | <b>Amount</b> |
|-----------|-----------|-------------------------|----|---------------|
| 100.001   | 009       | GMP Schedule Adjustment | \$ | 1,064,634.00  |

This Change Order includes adjusted Contract Time and General Conditions / General Requirements costs only as outlined below:

- STEM Wing Addition (“Stem”)
  - o Revised interim completion date as described in enclosed Exhibit D (“Stem Interim Completion Date”).
  - o General Conditions and General Requirements costs for the 10 week extension from April \_\_ through July 7, 2021 in the amount of \$1,016,524.00.
  - o Excludes any Subcontractor costs or claims associated with the Stem Interim Completion Date, as those will be handled separately and on a case by case basis.
  - o Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) associated with COVID-19 or other pandemics.
- 111 Cypress St
  - o Revised Substantial Completion Date as described in enclosed Exhibit D.
  - o Excludes Subcontractor costs or claims associated with the revised Substantial Completion Date, as those will be handled separately and on a case by case basis.
  - o Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) in connection with the Revised Substantial Completion Date or with COVID-19 or other pandemics. The GMP includes an Owner’s Pandemic Allowance for those costs.
- MBTA
  - o Revised interim completion date as described in enclosed Exhibit D (“MBTA Interim Completion Date”).
  - o Excludes Subcontractor costs or claims associated with the MBTA Interim Completion Date, as those will be handled separately and on a case by case basis.
  - o Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) associated with COVID-19 or other pandemics. The GMP includes an Owner’s Pandemic Allowance for those costs.

Neither the adjustments to the Contract Price nor the Contract Time upon which this PCCO is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by the Pandemic (as defined in the GMP), as such cost adjustment to the Contract Sum and GMP shall be reconciled in accordance with the Owner Pandemic Allowance. Skanska further reserves all rights to request adjustment of the Contract Time as a result of the Pandemic Standards and in connection with this PCCO. Skanska will make every reasonable effort to provide the required documentation and notice in accordance with this Contract, however, Skanska may not be able to meet the contractual deadlines due to circumstances outside of Skanska’s control.



**\_Authorization Request**

**Skanska USA Building Inc.**  
**1318014 - Brookline High School**  
 115 Greenough Street, Brookline, MA 02445

**1318014 Brookline High School**

**Authorization Request: 100.001** **Date: 7/10/2020**

**To:** Town of Brookline **From:** Skanska USA Building Inc.  
 Tel: (617) 574-1400 Fax: (617) 574-1399

| Description             | Status |
|-------------------------|--------|
| GMP Schedule Adjustment | Open   |

| Reference | Required By | Amt Req        | Days Req |
|-----------|-------------|----------------|----------|
|           | 7/14/2020   | \$1,064,634.00 |          |

**Notes**

This Change Order includes adjusted Contract Time and General Conditions / General Requirements costs only as outlined below:

- STEM Wing Addition (“Stem”)
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Neither the adjustments to the Contract Price nor the Contract Time upon which this AR is based contemplates any project delays, suspensions, disruptions, cost escalations or other impacts caused, directly or indirectly, by the Pandemic (as defined in the GMP), as such cost adjustment to the Contract Sum and GMP shall be reconciled in accordance with the Owner Pandemic Allowance. Skanska further reserves all rights to request adjustment of the Contract Time as a result of the Pandemic Standards and in connection with this AR. Skanska will make every reasonable effort to provide the required documentation and notice in accordance with this Contract, however, Skanska may not be able to meet the contractual deadlines due to circumstances outside of Skanska’s control.

| CE No | Date      | Description             | CE Category | CE Reason        | Days Req |
|-------|-----------|-------------------------|-------------|------------------|----------|
| 009   | 6/11/2020 | GMP Schedule Adjustment | Owner       | Change Condition |          |

| Item No | Company | Item Description                               | Amt Prop     |
|---------|---------|--|--------------|
| 001     |         | GMP Schedule Adjustment - GENERAL CONDITIONS   | \$227,575.00 |
| 002     |         | GMP Schedule Adjustment - GENERAL REQUIREMENTS | \$750,892.00 |



|           |                      |                       |
|-----------|----------------------|-----------------------|
| 003       | Railroad Insurance   | \$711.00              |
| Level 001 | Change Order OH & P  | \$48,923.00           |
| Level 002 | SDI                  | \$0.00                |
| Level 003 | Builder's Risk       | \$2,740.00            |
| Level 004 | CCIP                 | \$26,021.00           |
| Level 005 | Skanska Bond         | \$7,772.00            |
|           | <b>CE #009 Total</b> | <b>\$1,064,634.00</b> |

**AR #100.001 Total: \$1,064,634.00**

Printed on: 7/8/2020

Page 2 of 2

Skanska USA Building Inc.

Change Request #  
  
AR 100.001

To: Ray Masak  
Project Manager  
333 Washington Street, 6th Floor  
Brookline, MA 02445

7/10/2020

Project #: 1318014  
Project: Brookline High School Expansion Project

| Description:   | Proposed Amount    |
|--|--------------------|
| <b>GMP Schedule Adjustment</b>                       |                    |
|  | <b>Amount</b>      |
| Construction Manager Costs (Line 5)                  | \$978,467          |
| Subcontractor and/or Trade Contractor Costs (Line 8) | \$0                |
| Overhead & Profit (Line 6 + Line 9)                  | \$48,923           |
| Subcontractor Default Insurance (Line 11)            | \$0                |
| Builder's Risk Insurance (Line 12)                   | \$2,740            |
| CCIP (Line 13)                                       | \$26,021           |
| Skanska Bond (Line 14)                               | \$7,772            |
| Railroad Insurance Policy (Line 15)                  | \$711              |
| <b>Total :</b>                                       | <b>\$1,064,634</b> |

**Type:** Lump Sum  
**Schedule Impact:** The date of substantial completion will be November 15, 2021, Refer to enclosed Exhibit D.  
**Overtime:** Project OT (Is / Is Not) Required  
**Notes:**

This Change Order includes adjusted Contract Time and General Conditions / General Requirements costs only as outlined below:

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Skanska USA Building Inc.

July 14, 2020

Date:

July 14, 2020

Town of Brookline or Hill International (on behalf of the Town of Brookline)

Date:

Owner authorizes Skanska USA Building Inc. to issue Subcontract Change Orders associated with this scope and confirms availability of funds for payment of the same.



July 13, 2020

William Rawn Associates

Date:

cc:

Hill: Andy Felix

WRA: Andy Jonic

Skanska: Rob Mulligan, Peter Roche, Jim Craft

CE File: CE # 009

|                        |                       |                         |                         |            |                           |
|------------------------|-----------------------|-------------------------|-------------------------|------------|---------------------------|
| <b>PROJECT NAME:</b>   | Brookline High School | <b>PROJECT NO.:</b>     | 1318014                 | <b>CM:</b> | Skanska USA Building Inc. |
| <b>PCO NUMBER:</b>     | 009                   | <b>PCO DESCRIPTION:</b> | GMP Schedule Adjustment |            |                           |
| <b>PCO DATE:</b>       | 7/10/2020             |                         |                         |            |                           |
| <b>SKA PCO NUMBER:</b> | 009                   |                         |                         |            |                           |

**CONSTRUCTION MANAGER CHANGE REQUEST SUMMARY**

1. LABOR: CONSTRUCTION MANAGER'S SELF-PERFORMED WORK

| Trade                   | Classification         | Regular Hours Worked | Overtime (1.5x) Hours Worked | Double Time (2x) Hours Worked | These values shall be taken from the Rate Approval Sheet, after its approval by the CM. |                           |                              | Total Labor Cost |
|-------------------------|------------------------|----------------------|------------------------------|-------------------------------|---|---------------------------|------------------------------|------------------|
|                         |                        |                      |                              |                               | Regular Time Rate (Cost/hour)   | Overtime Rate (Cost/Hour) | Double Time Rate (Cost/Hour) |                  |
| General Conditions      | See attached worksheet |                      |                              |                               |   |                           |                              | \$227,575.00     |
| General Requirements    | See attached worksheet |                      |                              |                               |   |                           |                              | \$750,892.00     |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
|                         |                        |                      |                              |                               |   |                           |                              | \$0.00           |
| <b>TOTAL LABOR COST</b> |                        |                      |                              |                               |   |                           |                              | <b>\$978,467</b> |

2. MATERIALS: CONSTRUCTION MANAGER'S SELF PERFORMED WORK

| Material Description        | Quantity | Unit | Cost per Unit | Total      |
|-----------------------------|----------|------|---------------|------------|
| See attached worksheet      |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
|                             |          |      |               | \$0.00     |
| <b>TOTAL MATERIALS COST</b> |          |      |               | <b>\$0</b> |

|                        |                       |                         |                         |            |                           |
|------------------------|-----------------------|-------------------------|-------------------------|------------|---------------------------|
| <b>PROJECT NAME:</b>   | Brookline High School | <b>PROJECT NO.:</b>     | 1318014                 | <b>CM:</b> | Skanska USA Building Inc. |
| <b>PCO NUMBER:</b>     | 009                   | <b>PCO DESCRIPTION:</b> | GMP Schedule Adjustment |            |                           |
| <b>PCO DATE:</b>       | 7/10/2020             |                         |                         |            |                           |
| <b>SKA PCO NUMBER:</b> | 009                   |                         |                         |            |                           |

**CONSTRUCTION MANAGER CHANGE REQUEST SUMMARY**

3. EQUIPMENT: CONSTRUCTION MANAGER'S SELF PERFORMED WORK

| Equipment Description        | Qty | Unit | Cost Per Unit | Total |
|------------------------------|-----|------|---------------|-------|
| See attached worksheet       |     | each |               | \$0   |
|                              |     |      |               | \$0   |
| <b>TOTAL EQUIPMENT COST:</b> |     |      |               | \$0   |

4. MISC. LUMP SUM SERVICES PROVIDED TO CONSTRUCTION MANAGER (POLICE DETAIL, UTILITIES, ETC.):

| Description of Miscellaneous Lump Sum Service | Total |     |
|---|-------|-----|
| See attached worksheet                        | \$0   |     |
|   | \$0   |     |
| <b>TOTAL MISC. LUMP SUM SERVICES COST:</b>    |       | \$0 |

5. SUBTOTAL COSTS FOR CONSTRUCTION MANAGER LINE ITEMS 1., 2., 3., AND 4.  
(Line 1, 2, 3, & 4)

**SUBTOTAL:** \$978,467

6. OVERHEAD AND PROFIT OF CONSTRUCTION MANAGER LINE ITEM 5:  
Construction Manager permitted 10% of total actual cost of Item 5.

10% X Line 5: \$0

7. TOTAL OF LINES 5 & 6 FOR CONSTRUCTION MANAGER:

TOTAL COST OF WORK SELF-PERFORMED BY C.M. \$978,467

8. TOTAL COST OF WORK PERFORMED BY TRADE / SUBCONTRACTORS:

8a. Total for Subcontractors \$0 Refer to attached summary of trades / subcontractor pricing

8b. Total for Trade Contractors \$0 Refer to attached summary of trades / subcontractor pricing

\$0

9. OVERHEAD AND PROFIT FOR TRADE / SUBCONTRACTOR WORK:

5% \$48,923.35

10. SUBTOTAL LINES 7., 8., AND 9.

\$1,027,390

11. SUBCONTRACTOR DEFAULT INSURANCE (SDI)

Subcontractors only 1.35% x ITEM 8a: \$0

12. BUILDER'S RISK INSURANCE

0.28% x ITEM 5 & 8 \$2,740

13. CCIP

2.65% x ITEMS (16-6-9-13-14-15) \$26,021

14. Skanska Bond

0.73% x ITEM 16 \$7,772

15. Railroad Protective Policy

0.0668% x ITEM 16 \$711

16. Grand Total

\$1,064,634

| SUBCONTRACTORS | Amount      |
|----------------|-------------|
| 1              | \$ -        |
| 2              | \$ -        |
| 3              | \$ -        |
| 4              | \$ -        |
| 5              | \$ -        |
| 6              | \$ -        |
| 7              | \$ -        |
| 8              | \$ -        |
| 9              | \$ -        |
| 10             | \$ -        |
| <b>TOTAL</b>   | <b>\$ -</b> |

| TRADE CONTRACTORS | Amount      |
|-------------------|-------------|
| 1                 | \$ -        |
| 2                 | \$ -        |
| 3                 | \$ -        |
| 4                 | \$ -        |
| 5                 | \$ -        |
| 6                 | \$ -        |
| 7                 | \$ -        |
| 8                 | \$ -        |
| 9                 | \$ -        |
| 10                | \$ -        |
| <b>TOTAL</b>      | <b>\$ -</b> |



Town of Brookline

## Brookline High School Expansion Project | Project A and B

### EXHIBIT D: CONTRACT TIME

|  |                    |
|--|--------------------|
| The Date of Substantial Completion for the Project prior to this Amendment is: | October 8, 2021    |
| This Amendment revises the Contract duration by (Calendar Days):               | 39                 |
| The revised Date of Substantial Completion is:                                 | November 15, 2021* |

\*Excludes Subcontractor costs or claims associated with the revised Substantial Completion Date, as those will be handled separately and on a case by case basis. Excludes any costs (General Conditions, General Requirements, Subcontractor or other costs) in connection with the Revised Substantial Completion Date or with COVID-19 or other pandemics. The GMP includes an Owner's Pandemic Allowance for those costs.

1. The above Date of Substantial Completion is based on Project A: 111 Cypress St. The anticipated interim project completion dates for other subprojects are outline below, but do not represent Substantial Completion Dates as outlined in the Owner – Construction Manager Agreement.
  - a. Project C - STEM Wing: July 7, 2021
  - b. MBTA Platform: December 10, 2021
2. Refer to attached Project Schedules
  - a. Project A: 111 Cypress St. Data Date: 06-Jun-20 / Run Date: 11-Jun-20
  - b. Project C: STEM Addition. Data Date: 06-Jun-20 / Run Date: 10-Jun-20

| Activity ID   | Activity Name   | Remaining Duration | Start       | Finish      | 2020  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | 2021 |  |  |  |  |  |  |  |  |  |  |  | 2022  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--------------------|-------------|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
|   |   |                    |             |             | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
|   |   |                    |             |             | Jan   | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Brookline High School - Project A - 06Jun20 R1 Schedule Update</b> |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Executive Summary</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1065   | Bid Period  | 28                 | 04-Mar-19 A | 16-Jul-20   | █ Bid Period  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1070   | Construction Project A - 111 Cypress Building                       | 360                | 24-Jun-19 A | 15-Nov-21   | █ Construction Project A - 111 Cypress Building                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Work Order Milestones</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1060   | Last Day for Tappan & Cypress Temporary Power Line Relocation       | 0                  |             | 05-Jun-20 A | ◆ Last Day for Tappan & Cypress Temporary Power Line Relocation       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1100   | Last Day for Cypress Building Permanent Power                       | 0                  |             | 16-Jun-20   | ◆ Last Day for Cypress Building Permanent Power                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1110   | Last Day for Cypress Building New Gas Service                       | 0                  |             | 16-Jun-20   | ◆ Last Day for Cypress Building New Gas Service                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1150   | Last Day for Cypress Building New Fire, Water & Sewer               | 0                  |             | 16-Jun-20   | ◆ Last Day for Cypress Building New Fire, Water & Sewer               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| EXEC-1140   | Last Day for Cypress Building New Telecom Service                   | 0                  |             | 29-Sep-21   |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  | ◆ Last Day for Cypress Building New Telecom Service |  |  |  |  |  |  |  |  |  |  |  |
| <b>BHS Academic Calendar</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1040  | April Break - 2020  | 0                  | 20-Apr-20 A | 24-Apr-20 A | ■ Break - 2020  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1050  | Last Day of School - 2019/2020                                      | 0                  |             | 22-Jun-20*  | ◆ Last Day of School - 2019/2020                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1060  | First Day of School - 2020/2021                                     | 0                  |             | 03-Sep-20*  | ◆ First Day of School - 2020/2021                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1070  | December Break - 2020   | 8                  | 25-Dec-20*  | 01-Jan-21*  | ■ December Break - 2020   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1080  | February Break - 2021   | 5                  | 15-Feb-21*  | 19-Feb-21*  | ■ February Break - 2021   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1090  | April Break - 2021  | 5                  | 19-Apr-21*  | 23-Apr-21*  | ■ April Break - 2021  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1100  | Last Day of School - 2020/2021                                      | 0                  |             | 22-Jun-21*  | ◆ Last Day of School - 2020/2021                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BHS-1110  | First Day of School - 2021/2022                                     | 0                  |             | 02-Sep-21*  |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  | ◆ First Day of School - 2021/2022                   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Design / Preconstruction Phase</b>                                 |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>GMP</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| PRE-1180  | Review & Execute - GMP  | 20                 | 16-Mar-20 A | 06-Jul-20   | █ Review & Execute - GMP  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| PRE-1190  | Agreement Executed - GMP  | 0                  |             | 06-Jul-20   | ◆ Agreement Executed - GMP  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Schedule Impacts</b>   |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>MBTA Operation Support Limitations</b>                             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| IMP-1462  | Impact - MBTA Operation Support Limitations                         | 0                  | 23-Mar-20 A | 05-Jun-20 A | █ Impact - MBTA Operation Support Limitations                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| IMP-1482  | Impact - Remobilize to Site after MBTA Support Suspension           | 0                  | 05-Jun-20 A | 05-Jun-20 A | █ Impact - Remobilize to Site after MBTA Support Suspension           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Carpenters' Union Work Suspension</b>                              |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| IMP-1472  | Impact - Carpenters' Union Work Suspension & Remobilization to Site | 0                  | 06-Apr-20 A | 24-Apr-20 A | █ Impact - Carpenters' Union Work Suspension & Remobilization to Site |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>FB-081 - Exterior Mockup Revisions</b>                             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| IMP-1492  | Impact - FB-081 - Exterior Mockup Revisions                         | 0                  | 09-Apr-20 A | 23-Apr-20 A | █ Impact - FB-081 - Exterior Mockup Revisions                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>MBTA Work</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Procurement</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Procurement</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Bid and Award MBTA Platform</b>                                    |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>CWP MBTA Platform</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| MBTA-1280   | Submit, Approve, Fab & Deliver - MBTA Platform                      | 172                | 07-Nov-19 A | 16-Feb-21   | █ Submit, Approve, Fab & Deliver - MBTA Platform                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| MBTA-1260   | Prepare & Submit - CWP MBTA Platform                                | 0                  | 27-Dec-19 A | 05-May-20 A | █ Prepare & Submit - CWP MBTA Platform                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| MBTA-1265   | Review & Approve - CWP MBTA Platform                                | 23                 | 01-May-20 A | 09-Jul-20   | █ Review & Approve - CWP MBTA Platform                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>MBTA Platform</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Tactile Warning Strip</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-890  | Prepare & Submit - Tactile Warning Strip_R1                         | 0                  | 03-Apr-20 A | 22-Apr-20 A | █ Prepare & Submit - Tactile Warning Strip_R1                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-900  | Review & Approve - Tactile Warning Strip_R1                         | 10                 | 23-Apr-20 A | 19-Jun-20   | █ Review & Approve - Tactile Warning Strip_R1                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-910  | Fab & Deliver - Tactile Warning Strip                               | 20                 | 22-Jun-20   | 20-Jul-20   | █ Fab & Deliver - Tactile Warning Strip                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Helical Piles</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-0240   | Fab & Deliver - Helical Piles                                       | 10                 | 08-Jun-20   | 19-Jun-20   | █ Fab & Deliver - Helical Piles                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| <b>Helical Pile Test Program</b>                                      |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-1040   | Prepare & Submit - Helical Pile Test Program_R0                     | 0                  | 06-Apr-20 A | 28-Apr-20 A | █ Prepare & Submit - Helical Pile Test Program_R0                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-1030   | Review & Approve - Helical Pile Test Program_R0                     | 0                  | 29-Apr-20 A | 08-May-20 A | █ Review & Approve - Helical Pile Test Program_R0                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |
| BLHA-1010   | Prepare & Submit - Helical Pile Test Program_R1                     | 0                  | 11-May-20 A | 27-May-20 A | █ Prepare & Submit - Helical Pile Test Program_R1                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone





| Activity ID                           | Activity Name   | Remaining Duration | Start       | Finish      | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|---------------------------------------|---|--------------------|-------------|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                                       |   |                    |             |             | Jun   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                                       |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-1020                             | Review & Approve - Helical Pile Test Program_R1   | 0                  | 28-May-20 A | 05-Jun-20 A | ■ Review & Approve - Helical Pile Test Program_R1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-1050                             | Fab & Deliver - Helical Pile Test Pile & Equipment  | 2                  | 08-Jun-20   | 09-Jun-20   | ■ Fab & Deliver - Helical Pile Test Pile & Equipment  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-1060                             | Complete Test Pile and Reports  | 3                  | 10-Jun-20   | 12-Jun-20   | ■ Complete Test Pile and Reports  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Canopy Structures</b>              |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0250                             | Prepare & Submit - Canopy Structures_R0   | 18                 | 18-May-20 A | 01-Jul-20   | ■ Prepare & Submit - Canopy Structures_R0   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0260                             | Review & Approve - Canopy Structures_R0   | 20                 | 02-Jul-20   | 30-Jul-20   | ■ Review & Approve - Canopy Structures_R0   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0262                             | Prepare & Submit - Canopy Structures_R1   | 5                  | 31-Jul-20   | 06-Aug-20   | ■ Prepare & Submit - Canopy Structures_R1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0264                             | Review & Approve - Canopy Structures_R1   | 20                 | 07-Aug-20   | 03-Sep-20   | ■ Review & Approve - Canopy Structures_R1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0270                             | Fab & Deliver - Canopy Structures   | 85                 | 04-Sep-20   | 11-Jan-21   | ■ Fab & Deliver - Canopy Structures   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Misc Metal Railings</b>            |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0280                             | Prepare & Submit - Misc Metal Railings_R0   | 21                 | 08-Jun-20   | 07-Jul-20   | ■ Prepare & Submit - Misc Metal Railings_R0   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0290                             | Review & Approve - Misc Metal Railings_R0   | 20                 | 08-Jul-20   | 04-Aug-20   | ■ Review & Approve - Misc Metal Railings_R0   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0292                             | Prepare & Submit - Misc Metal Railings_R1   | 5                  | 05-Aug-20   | 11-Aug-20   | ■ Prepare & Submit - Misc Metal Railings_R1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0294                             | Review & Approve - Misc Metal Railings_R1   | 20                 | 12-Aug-20   | 09-Sep-20   | ■ Review & Approve - Misc Metal Railings_R1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0300                             | Fab & Deliver - Misc Metal Railings   | 65                 | 10-Sep-20   | 15-Dec-20   | ■ Fab & Deliver - Misc Metal Railings   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Security Equipment</b>             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0340                             | Prepare & Submit - Security Equipment_R0  | 21                 | 06-May-20 A | 07-Jul-20   | ■ Prepare & Submit - Security Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0350                             | Review & Approve - Security Equipment_R0  | 20                 | 08-Jul-20   | 04-Aug-20   | ■ Review & Approve - Security Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0352                             | Prepare & Submit - Security Equipment_R1  | 5                  | 05-Aug-20   | 11-Aug-20   | ■ Prepare & Submit - Security Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0354                             | Review & Approve - Security Equipment_R1  | 20                 | 12-Aug-20   | 09-Sep-20   | ■ Review & Approve - Security Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0360                             | Fab & Deliver - Security Equipment  | 65                 | 10-Sep-20   | 15-Dec-20   | ■ Fab & Deliver - Security Equipment  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>PA/VMS Equipment</b>               |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0370                             | Prepare & Submit - PA/VMS Equipment_R0  | 10                 | 26-May-20 A | 19-Jun-20   | ■ Prepare & Submit - PA/VMS Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0380                             | Review & Approve - PA/VMS Equipment_R0  | 20                 | 22-Jun-20   | 20-Jul-20   | ■ Review & Approve - PA/VMS Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0382                             | Prepare & Submit - PA/VMS Equipment_R1  | 5                  | 21-Jul-20   | 27-Jul-20   | ■ Prepare & Submit - PA/VMS Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0384                             | Review & Approve - PA/VMS Equipment_R1  | 20                 | 28-Jul-20   | 24-Aug-20   | ■ Review & Approve - PA/VMS Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0390                             | Fab & Deliver - PA/VMS Equipment  | 85                 | 25-Aug-20   | 29-Dec-20   | ■ Fab & Deliver - PA/VMS Equipment  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Slab Reinforcement</b>             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0400                             | Prepare & Submit - Slab Reinforcement_R0  | 0                  | 06-Apr-20 A | 28-Apr-20 A | ■ Prepare & Submit - Slab Reinforcement_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0410                             | Review & Approve - Slab Reinforcement_R0  | 0                  | 29-Apr-20 A | 07-May-20 A | ■ Review & Approve - Slab Reinforcement_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0412                             | Prepare & Submit - Slab Reinforcement_R1  | 5                  | 08-May-20 A | 12-Jun-20   | ■ Prepare & Submit - Slab Reinforcement_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0414                             | Review & Approve - Slab Reinforcement_R1  | 20                 | 15-Jun-20   | 13-Jul-20   | ■ Review & Approve - Slab Reinforcement_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0420                             | Fab & Deliver - Slab Reinforcement  | 45                 | 14-Jul-20   | 15-Sep-20   | ■ Fab & Deliver - Slab Reinforcement  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Lighting Equipment</b>             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0430                             | Prepare & Submit - Lighting Equipment_R0  | 21                 | 08-Jun-20   | 07-Jul-20   | ■ Prepare & Submit - Lighting Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0440                             | Review & Approve - Lighting Equipment_R0  | 20                 | 08-Jul-20   | 04-Aug-20   | ■ Review & Approve - Lighting Equipment_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0442                             | Prepare & Submit - Lighting Equipment_R1  | 5                  | 05-Aug-20   | 11-Aug-20   | ■ Prepare & Submit - Lighting Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0444                             | Review & Approve - Lighting Equipment_R1  | 20                 | 12-Aug-20   | 09-Sep-20   | ■ Review & Approve - Lighting Equipment_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0450                             | Fab & Deliver - Lighting Equipment  | 65                 | 10-Sep-20   | 15-Dec-20   | ■ Fab & Deliver - Lighting Equipment  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Permanent Rubber Rail Crossing</b> |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-930                              | Review & Approve - Permanent Rubber Rail Crossing_R0  | 0                  | 02-Apr-20 A | 22-Apr-20 A | ■ Review & Approve - Permanent Rubber Rail Crossing_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-940                              | Fab & Deliver - Permanent Rubber Rail Crossing  | 25                 | 08-Jun-20   | 13-Jul-20   | ■ Fab & Deliver - Permanent Rubber Rail Crossing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Wayfinding Signage</b>             |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0460                             | Prepare & Submit - Wayfinding Signage_R0  | 21                 | 08-Jun-20   | 07-Jul-20   | ■ Prepare & Submit - Wayfinding Signage_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0470                             | Review & Approve - Wayfinding Signage_R0  | 20                 | 08-Jul-20   | 04-Aug-20   | ■ Review & Approve - Wayfinding Signage_R0  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0610                             | Prepare & Submit - Wayfinding Signage_R1  | 5                  | 05-Aug-20   | 11-Aug-20   | ■ Prepare & Submit - Wayfinding Signage_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0620                             | Review & Approve - Wayfinding Signage_R1  | 20                 | 12-Aug-20   | 09-Sep-20   | ■ Review & Approve - Wayfinding Signage_R1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0760                             | Wayfinding Signage Mock-up  | 21                 | 10-Sep-20   | 08-Oct-20   | ■ Wayfinding Signage Mock-up  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| BLHA-0480                             | Fab & Deliver - Wayfinding Signage  | 85                 | 09-Oct-20   | 16-Feb-21   | ■ Fab & Deliver - Wayfinding Signage  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Construction</b>                   |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MBTA -1190                            | Perform Phase 1 Work - Close Limits of Existing Platform/Temp Platform/Crossings/Relocate Fare Ticketing/Etc. | 5                  | 25-Sep-19 A | 12-Jun-20   | ■ Perform Phase 1 Work - Close Limits of Existing Platform/Temp Platform/Crossings/Relocate Fare Ticketing/Etc. |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ ◆ Milestone



| Activity ID  | Activity Name  | Remaining Duration | Start       | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--------------------|-------------|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|
|  |  |                    |             |           | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
|  |  |                    |             |           | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1010  | Phase 1 - Refeed Existing Platform Systems                           | 29                 | 05-Feb-20 A | 17-Jul-20 | █ Phase 1 - Refeed Existing Platform Systems                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-0065  | Install Hi-rail Temporary Gate and Fencing                           | 5                  | 08-Jun-20*  | 12-Jun-20 | █ Install Hi-rail Temporary Gate and Fencing                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-0120  | Phase 1 - Install Buried Ductbanks below New Building                | 10                 | 22-Jun-20   | 06-Jul-20 | █ Phase 1 - Install Buried Ductbanks below New Building                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-3240  | Phase 1 - Pull Wire at Buried Ductbanks below New Building           | 5                  | 07-Jul-20   | 13-Jul-20 | █ Phase 1 - Pull Wire at Buried Ductbanks below New Building           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-0050  | Phase 1 - Cut-Over Bungalows (Weekend)                               | 2                  | 18-Jul-20   | 19-Jul-20 | █ Phase 1 - Cut-Over Bungalows (Weekend)                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1020  | Phase 1 - Demo Asphalt Platforms & Furnishings                       | 5                  | 20-Jul-20   | 24-Jul-20 | █ Phase 1 - Demo Asphalt Platforms & Furnishings                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Phase 3 - Build New Platform East and Temporary Extension</b>           |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Construction</b>  |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1030  | Phase 3 - De-Energize/Remove Existing MBTA Systems                   | 10                 | 06-Jun-20   | 15-Jun-20 | █ Phase 3 - De-Energize/Remove Existing MBTA Systems                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1040  | Phase 3 - Excavate and Rough Grade for Piles                         | 7                  | 08-Jun-20   | 14-Jun-20 | █ Phase 3 - Excavate and Rough Grade for Piles                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1060  | Phase 3 - Demo Platform Asphalt                                      | 7                  | 08-Jun-20   | 14-Jun-20 | █ Phase 3 - Demo Platform Asphalt                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1045  | Phase 3 - Install Helical Piles                                      | 9                  | 20-Jun-20   | 28-Jun-20 | █ Phase 3 - Install Helical Piles                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-0075  | Completion BHS Over-Build  | 0                  |             | 21-Jun-20 | ◆ Completion BHS Over-Build  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1070  | Phase 3 - Install CIP Knee Walls                                     | 10                 | 29-Jun-20   | 13-Jul-20 | █ Phase 3 - Install CIP Knee Walls                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1115  | Phase 3 - Install Rubber Rail Tiles                                  | 5                  | 14-Jul-20   | 20-Jul-20 | █ Phase 3 - Install Rubber Rail Tiles                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1080  | Phase 3 - Backfill and Compact Platform Slab Base                    | 10                 | 21-Jul-20   | 03-Aug-20 | █ Phase 3 - Backfill and Compact Platform Slab Base                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1090  | Phase 3 - Form/Reinforce CIP Platform Slabs w/Haunch                 | 25                 | 04-Aug-20   | 08-Sep-20 | █ Phase 3 - Form/Reinforce CIP Platform Slabs w/Haunch                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1091  | Phase 3 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend      | 2                  | 12-Sep-20   | 13-Sep-20 | █ Phase 3 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1092  | Phase 3 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend    | 2                  | 19-Sep-20   | 20-Sep-20 | █ Phase 3 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1130  | Phase 3 - Pave Temporary Ramps at West Pedestrian Crossing           | 2                  | 21-Sep-20   | 22-Sep-20 | █ Phase 3 - Pave Temporary Ramps at West Pedestrian Crossing           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1100  | Phase 3 - Install CIP Egress Ramp on Inbound Platform                | 10                 | 21-Sep-20   | 02-Oct-20 | █ Phase 3 - Install CIP Egress Ramp on Inbound Platform                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1095  | Phase 3 - F/R/P Light Pole and Sign Pedestals                        | 15                 | 21-Sep-20   | 09-Oct-20 | █ Phase 3 - F/R/P Light Pole and Sign Pedestals                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1120  | Phase 3 - Install Tactile Warning Panels                             | 15                 | 21-Sep-20   | 09-Oct-20 | █ Phase 3 - Install Tactile Warning Panels                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1050  | Phase 3 - Pave Platform Extension - Weekends                         | 2                  | 26-Sep-20   | 27-Sep-20 | █ Phase 3 - Pave Platform Extension - Weekends                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1105  | Phase 3 - Establish Egress Path Through 111 Cypress Site (By Others) | 5                  | 05-Oct-20   | 09-Oct-20 | █ Phase 3 - Establish Egress Path Through 111 Cypress Site (By Others) |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1200  | Phase 3 - Install Phase 4 Temporary Signage                          | 10                 | 13-Oct-20   | 26-Oct-20 | █ Phase 3 - Install Phase 4 Temporary Signage                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1140  | Phase 3 - Install Platform Furnishings                               | 40                 | 13-Oct-20   | 10-Dec-20 | █ Phase 3 - Install Platform Furnishings                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1190  | Phase 3 - Establish Pedestrian Access for Phase 3 Platform           | 5                  | 04-Dec-20   | 10-Dec-20 | █ Phase 3 - Establish Pedestrian Access for Phase 3 Platform           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1180  | Phase 3 - Install Railing - South Egress Ramp                        | 5                  | 16-Dec-20   | 22-Dec-20 | █ Phase 3 - Install Railing - South Egress Ramp                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1110  | Phase 3 - Install Phase 3 Light Poles - Weekends                     | 2                  | 19-Dec-20   | 20-Dec-20 | █ Phase 3 - Install Phase 3 Light Poles - Weekends                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1170  | Phase 3 - Install VMS, PA, Security System                           | 40                 | 30-Dec-20   | 26-Feb-21 | █ Phase 3 - Install VMS, PA, Security System                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1205  | Phase 3 - Testing, Commissioning and Inspections of Station Systems  | 10                 | 01-Mar-21   | 12-Mar-21 | █ Phase 3 - Testing, Commissioning and Inspections of Station Systems  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-1210  | Phase 3 - Platform Put in Service                                    | 1                  | 15-Mar-21   | 15-Mar-21 | █ Phase 3 - Platform Put in Service                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Phase 4 - Demo Existing West Platform &amp; Build New Platform West</b> |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Demolition</b>  |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2000  | Phase 4 - De-Energize/Remove Existing MBTA Systems                   | 10                 | 15-Mar-21   | 26-Mar-21 | █ Phase 4 - De-Energize/Remove Existing MBTA Systems                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2010  | Phase 4 - Demo Platform Furnishings                                  | 3                  | 29-Mar-21   | 31-Mar-21 | █ Phase 4 - Demo Platform Furnishings                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Construction</b>  |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Station</b>   |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2015  | Phase 4 - Excavate and Rough Grade for Piles                         | 5                  | 01-Apr-21   | 07-Apr-21 | █ Phase 4 - Excavate and Rough Grade for Piles                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2020  | Phase 4 - Install Helical Piles                                      | 20                 | 08-Apr-21   | 06-May-21 | █ Phase 4 - Install Helical Piles                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2090  | Phase 4 - Install Rubber Rail Tiles                                  | 5                  | 07-May-21   | 13-May-21 | █ Phase 4 - Install Rubber Rail Tiles                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2050  | Phase 4 - Backfill and Compact Platform Slab Base                    | 15                 | 14-May-21   | 04-Jun-21 | █ Phase 4 - Backfill and Compact Platform Slab Base                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2060  | Phase 4 - Form/Reinforce CIP Platform Slabs w/Haunch                 | 25                 | 07-Jun-21   | 12-Jul-21 | █ Phase 4 - Form/Reinforce CIP Platform Slabs w/Haunch                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2080  | Phase 4 - Form/Reinforce CIP Ramps                                   | 10                 | 13-Jul-21   | 26-Jul-21 | █ Phase 4 - Form/Reinforce CIP Ramps                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2062  | Phase 4 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend      | 2                  | 17-Jul-21   | 18-Jul-21 | █ Phase 4 - Place CIP Platform Slabs w/Haunch (Primary) - Weekend      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2064  | Phase 4 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend    | 2                  | 24-Jul-21   | 25-Jul-21 | █ Phase 4 - Place CIP Platform Slabs w/Haunch (Secondary) - Weekend    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2066  | Phase 4 - F/R/P Light Pole and Sign Pedestals                        | 5                  | 26-Jul-21   | 30-Jul-21 | █ Phase 4 - F/R/P Light Pole and Sign Pedestals                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2110  | Phase 4 - Install Tactile Warning Panels                             | 15                 | 26-Jul-21   | 13-Aug-21 | █ Phase 4 - Install Tactile Warning Panels                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2082  | Phase 4 - Place CIP Ramps - Weekend                                  | 2                  | 27-Jul-21   | 28-Jul-21 | █ Phase 4 - Place CIP Ramps - Weekend                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2085  | Phase 4 - Install Permanent Grade Crossing - Weekend                 | 2                  | 29-Jul-21   | 30-Jul-21 | █ Phase 4 - Install Permanent Grade Crossing - Weekend                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2070  | Phase 4 - Install Stone Landscaping Beyond Platform                  | 5                  | 29-Jul-21   | 04-Aug-21 | █ Phase 4 - Install Stone Landscaping Beyond Platform                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| BLHS-2120  | Phase 4 - Canopies - Weekend   | 6                  | 31-Jul-21   | 15-Aug-21 | █ Phase 4 - Canopies - Weekend   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start       | Finish      | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022  |     |     |     |     |     |     |  |  |  |  |  |
|--|---|--------------------|-------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|  |   |                    |             |             | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun   | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2100  | Phase 4 - Install Phase 4 Light Poles   | 2                  | 02-Aug-21   | 03-Aug-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Install Phase 4 Light Poles                               |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2180  | Phase 4 - Install Permanent Wayfinding Signage                                    | 10                 | 02-Aug-21   | 13-Aug-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Install Permanent Wayfinding Signage                      |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2160  | Phase 4 - Install VMS, PA, AF C, Security System                                  | 35                 | 02-Aug-21   | 20-Sep-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Install VMS, PA, AF C, Security System                    |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2125  | Phase 4 - Canopy Roofs - Weekends   | 4                  | 21-Aug-21   | 29-Aug-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Canopy Roofs - Weekends                                   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2230  | Phase 4 - Install VMS, PA, AF C, Security System on Canopy                        | 3                  | 30-Aug-21   | 01-Sep-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Install VMS, PA, AF C, Security System on Canopy          |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2130  | Phase 4 - Install Platform Furnishings  | 10                 | 30-Aug-21   | 13-Sep-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Install Platform Furnishings                              |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2245  | Phase 4 - Testing, Commissioning and Inspections of Station Systems               | 10                 | 21-Sep-21   | 04-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Testing, Commissioning and Inspections of Station Systems |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2250  | Phase 4 - Platform Put Into Service   | 1                  | 05-Oct-21   | 05-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 4 - Platform Put Into Service                                 |     |     |     |     |     |     |  |  |  |  |  |
| <b>Phase 5 - Demo Temp. Extension, Connect East &amp; West Platforms</b> |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Demolition</b>  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3000  | Phase 5 - Setup Stage 5   | 1                  | 06-Oct-21   | 06-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Setup Stage 5   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3010  | Phase 5 - Demo Temp Asphalt / Ramps / Crossings - Weekends                        | 6                  | 09-Oct-21   | 24-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Demo Temp Asphalt / Ramps / Crossings - Weekends          |     |     |     |     |     |     |  |  |  |  |  |
| <b>Construction</b>  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Station</b>   |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3020  | Phase 5 - Excavate & Expose Piles   | 5                  | 12-Oct-21   | 18-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Excavate & Expose Piles                                   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3085  | Phase 5 - Install Rubber Rail Tiles   | 5                  | 19-Oct-21   | 25-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Install Rubber Rail Tiles                                 |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3030  | Phase 5 - Install CIP Knee Walls  | 10                 | 19-Oct-21   | 01-Nov-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Install CIP Knee Walls                                    |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3090  | Phase 5 - Install Stone Landscaping Beyond Platform - Weekends                    | 2                  | 23-Oct-21   | 24-Oct-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Install Stone Landscaping Beyond Platform - Weekends      |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3040  | Phase 5 - Backfill and Compact Platform Slab Base - Weekends                      | 2                  | 02-Nov-21   | 03-Nov-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Backfill and Compact Platform Slab Base - Weekends        |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3050  | Phase 5 - Form and Reinforce CIP Platform Slabs w/Haunch - Weekends (OD: 10 to 4) | 4                  | 06-Nov-21   | 14-Nov-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Form and Reinforce CIP Platform Slabs w/Haunch - Weekends |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3060  | Phase 5 - Place CIP Platform - Weekends   | 2                  | 20-Nov-21   | 21-Nov-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Place CIP Platform - Weekends                             |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3080  | Phase 5 - Install Tactile Warning Panels  | 5                  | 22-Nov-21   | 30-Nov-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Install Tactile Warning Panels                            |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2170  | Phase 5 - Install Railing - Outbound Knee Wall                                    | 12                 | 22-Nov-21   | 09-Dec-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Install Railing - Outbound Knee Wall                      |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-3160  | Phase 5 - Entire Station Open   | 1                  | 10-Dec-21   | 10-Dec-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 5 - Entire Station Open                                       |     |     |     |     |     |     |  |  |  |  |  |
| <b>Phase 6 - Construct West Parking Lot Following Demob</b>              |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Parking Lot</b>   |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2190  | Phase 6 - Demo Existing Parking Lot   | 10                 | 13-Dec-21*  | 27-Dec-21   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 6 - Demo Existing Parking Lot                                 |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2200  | Phase 6 - Relocate BHS Dumpster & Electrical                                      | 10                 | 28-Dec-21   | 11-Jan-22   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 6 - Relocate BHS Dumpster & Electrical                        |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2220  | Phase 6 - Adjust DMH & Replace Granite Curb                                       | 10                 | 28-Dec-21   | 11-Jan-22   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 6 - Adjust DMH & Replace Granite Curb                         |     |     |     |     |     |     |  |  |  |  |  |
| BLHS-2240  | Phase 6 - Grade / Pave / Paint Parking Lot  | 20                 | 12-Jan-22   | 09-Feb-22   |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Phase 6 - Grade / Pave / Paint Parking Lot                          |     |     |     |     |     |     |  |  |  |  |  |
| <b>Punchlist / Testing &amp; Balancing / Commissioning</b>               |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| INSP-1040  | MBTA Interim Completion Date  | 0                  |             | 10-Dec-21*  |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | ◆ MBTA Interim Completion Date                                      |     |     |     |     |     |     |  |  |  |  |  |
| INSP-1050  | MBTA Interim Final Completion Date  | 0                  |             | 09-Feb-22*  |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | ◆ MBTA Interim Final Completion Date                                |     |     |     |     |     |     |  |  |  |  |  |
| <b>Procurement</b>   |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Design Assist</b>   |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Curtain Wall Design Assist</b>  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7390   | Prepare & Submit Shop Drawings - Curtain Wall (FB-016.1)                          | 5                  | 02-Mar-20 A | 12-Jun-20   | ■ Prepare & Submit Shop Drawings - Curtain Wall (FB-016.1) |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7400   | Review & Approve Shop Drawings - Curtain Wall(FB-016.1)                           | 10                 | 02-Mar-20 A | 26-Jun-20   | ■ Review & Approve Shop Drawings - Curtain Wall(FB-016.1)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-1440   | Review & Approve Shop Drawings - Curtain Wall (Round 2)                           | 10                 | 11-Mar-20 A | 19-Jun-20   | ■ Review & Approve Shop Drawings - Curtain Wall (Round 2)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-1460   | Fab & Available for Delivery - Curtain Wall                                       | 30                 | 02-Apr-20 A | 24-Aug-20   | ■ Fab & Available for Delivery - Curtain Wall              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Early Bid Packages</b>  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Elevators</b>   |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-1910   | Fab & Available for Delivery - Elevators  | 47                 | 21-Apr-20 A | 12-Aug-20   | ■ Fab & Available for Delivery - Elevators                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Structural Steel</b>  |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-1680   | Fab & Available for Delivery - Structural Steel                                   | 0                  | 14-Jan-20 A | 05-Jun-20 A | ■ Fab & Available for Delivery - Structural Steel          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-1270   | MBTA Reviews - Structural Steel/Precast Steel CWP                                 | 0                  | 24-Jan-20 A | 03-Jun-20 A | ■ MBTA Reviews - Structural Steel/Precast Steel CWP        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Remaining Procurement Post CDs (Trade Contractors)</b>                |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Plumbing (Trade Contractor)</b>                                       |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4720   | Subcontractor Issue Submittals - Plumbing Fixtures                                | 0                  | 19-Dec-19 A | 04-May-20 A | ■ Subcontractor Issue Submittals - Plumbing Fixtures       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4710   | A/E Review & Approve Submittals - Plumbing Fixtures                               | 15                 | 05-Mar-20 A | 26-Jun-20   | ■ A/E Review & Approve Submittals - Plumbing Fixtures      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4750   | Fab/Deliver Equipment - Plumbing Domestic Water Heater                            | 50                 | 08-Jun-20   | 17-Aug-20   | ■ Fab/Deliver Equipment - Plumbing Domestic Water Heater   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4700   | Fab/Deliver Equipment - Plumbing Fixtures   | 30                 | 29-Jun-20   | 10-Aug-20   | ■ Fab/Deliver Equipment - Plumbing Fixtures                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |
| <b>Fire Protection (Trade Contractor)</b>                                |   |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start       | Finish      | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |
|--|---|--------------------|-------------|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |   |                    |             |             | Jan   | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4680   | A/E Review & Approve Submittals - Fire Protection Piping              | 0                  | 06-Apr-20 A | 08-Apr-20 A | Review & Approve Submittals - Fire Protection Piping                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>HVAC (Trade Contractor)</b>                                       |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5040   | Subcontractor Issue Submittals - HVAC AHUs                            | 0                  | 19-Dec-19 A | 28-Apr-20 A | Subcontractor Issue Submittals - HVAC AHUs                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4790   | Subcontractor Issue Submittals - HVAC Ductwork                        | 5                  | 19-Dec-19 A | 12-Jun-20   | Subcontractor Issue Submittals - HVAC Ductwork                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4840   | Subcontractor Issue Submittals - HVAC Exhaust Fans                    | 5                  | 19-Dec-19 A | 12-Jun-20   | Subcontractor Issue Submittals - HVAC Exhaust Fans                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4940   | Subcontractor Issue Submittals - HVAC VAVs                            | 5                  | 19-Dec-19 A | 12-Jun-20   | Subcontractor Issue Submittals - HVAC VAVs                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4780   | A/E Review & Approve Submittals - HVAC Ductwork                       | 15                 | 18-Mar-20 A | 06-Jul-20   | A/E Review & Approve Submittals - HVAC Ductwork                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2200   | Fab/Deliver Equipment - HVAC AHUs                                     | 30                 | 19-Mar-20 A | 20-Jul-20   | Fab/Deliver Equipment - HVAC AHUs                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2220   | Fab/Deliver Equipment - HVAC Air Cooled Chiller                       | 35                 | 19-Mar-20 A | 27-Jul-20   | Fab/Deliver Equipment - HVAC Air Cooled Chiller                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4830   | A/E Review & Approve Submittals - HVAC Exhaust Fans                   | 8                  | 01-Apr-20 A | 24-Jun-20   | A/E Review & Approve Submittals - HVAC Exhaust Fans                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4930   | A/E Review & Approve Submittals - HVAC VAVs                           | 14                 | 03-Apr-20 A | 02-Jul-20   | A/E Review & Approve Submittals - HVAC VAVs                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4960   | A/E Review & Approve Submittals - HVAC FCUs                           | 0                  | 06-Apr-20 A | 07-Apr-20 A | Review & Approve Submittals - HVAC FCUs                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4950   | Fab/Deliver Equipment - HVAC FCUs                                     | 40                 | 08-Jun-20   | 03-Aug-20   | Fab/Deliver Equipment - HVAC FCUs                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2210   | Fab/Deliver Equipment - HVAC Boilers                                  | 50                 | 08-Jun-20   | 17-Aug-20   | Fab/Deliver Equipment - HVAC Boilers                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4870   | Fab/Deliver Equipment - HVAC Pumps                                    | 50                 | 08-Jun-20   | 17-Aug-20   | Fab/Deliver Equipment - HVAC Pumps                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4820   | Fab/Deliver Equipment - HVAC Exhaust Fans                             | 30                 | 25-Jun-20   | 06-Aug-20   | Fab/Deliver Equipment - HVAC Exhaust Fans                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-4920   | Fab/Deliver Equipment - HVAC VAVs                                     | 50                 | 06-Jul-20   | 14-Sep-20   | Fab/Deliver Equipment - HVAC VAVs                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Electrical &amp; Communications (Trade Contractor)</b>            |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2280   | Subcontractor Issue Submittals - Electrical Interior Lighting         | 0                  | 22-Nov-19 A | 27-Apr-20 A | Subcontractor Issue Submittals - Electrical Interior Lighting         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2300   | A/E Review & Approve Submittals - Electrical Interior Lighting        | 0                  | 13-Apr-20 A | 20-May-20 A | A/E Review & Approve Submittals - Electrical Interior Lighting        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-7470   | Resubmit R1- Electrical Interior Lighting                             | 5                  | 21-May-20 A | 12-Jun-20   | Resubmit R1- Electrical Interior Lighting                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2340   | Fab/Deliver Equipment - Electrical Switchgear                         | 75                 | 08-Jun-20   | 22-Sep-20   | Fab/Deliver Equipment - Electrical Switchgear                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-7480   | A/E Review & Approve Reubmittals R1 - Electrical Interior Lighting    | 15                 | 15-Jun-20   | 06-Jul-20   | A/E Review & Approve Reubmittals R1 - Electrical Interior Lighting    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2320   | Fab/Deliver Equipment - Interior Lighting                             | 65                 | 07-Jul-20   | 06-Oct-20   | Fab/Deliver Equipment - Interior Lighting                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Masonry (Trade Contractor)</b>                                    |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-1990   | Subcontractor Issue Initial Shop Drawings - Masonry                   | 15                 | 19-Dec-19 A | 26-Jun-20   | Subcontractor Issue Initial Shop Drawings - Masonry                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2170   | A/E Review & Approve Submittals - Masonry (Brick/Stone Samples)       | 0                  | 25-Feb-20 A | 27-Apr-20 A | Review & Approve Submittals - Masonry (Brick/Stone Samples)           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2190   | Subcontractor Issue Submittals - Masonry (Brick Samples) per FB-078R1 | 0                  | 06-Apr-20 A | 23-Apr-20 A | Subcontractor Issue Submittals - Masonry (Brick Samples) per FB-078R1 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2230   | A/E Review & Approve Submittals - Masonry (Brick Sample) per FB-078R1 | 0                  | 24-Apr-20 A | 27-Apr-20 A | Review & Approve Submittals - Masonry (Brick Sample) per FB-078R1     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2010   | Fab & Available for Delivery - Masonry (Brick/Stone)                  | 80                 | 08-Jun-20   | 29-Sep-20   | Fab & Available for Delivery - Masonry (Brick/Stone)                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2000   | A/E Review & Approve Initial Shop Drawings - Masonry                  | 15                 | 29-Jun-20   | 20-Jul-20   | A/E Review & Approve Initial Shop Drawings - Masonry                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Miscellaneous Metals &amp; Ornamental Iron (Trade Contractor)</b> |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2380   | Subcontractor Issue Submittals - Misc. Metals Stair 1                 | 3                  | 10-Feb-20 A | 10-Jun-20   | Subcontractor Issue Submittals - Misc. Metals Stair 1                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2410   | Subcontractor Issue Submittals - Misc. Metals Stair 2                 | 10                 | 13-Feb-20 A | 19-Jun-20   | Subcontractor Issue Submittals - Misc. Metals Stair 2                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2400   | Subcontractor Issue Submittals - Misc. Metals Stair 3                 | 10                 | 17-Feb-20 A | 19-Jun-20   | Subcontractor Issue Submittals - Misc. Metals Stair 3                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5600   | Subcontractor Issue Submittals - Misc. Metals Stair 6                 | 0                  | 20-Feb-20 A | 29-Apr-20 A | Subcontractor Issue Submittals - Misc. Metals Stair 6                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5995   | Subcontractor Issue Submittals - Misc. Metals Stair 5                 | 0                  | 20-Feb-20 A | 13-May-20 A | Subcontractor Issue Submittals - Misc. Metals Stair 5                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5630   | Subcontractor Issue Submittals - Misc. Metals Stair 7                 | 10                 | 25-Feb-20 A | 19-Jun-20   | Subcontractor Issue Submittals - Misc. Metals Stair 7                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2420   | A/E Review & Approve Submittals - Misc. Metals Lintels                | 0                  | 16-Mar-20 A | 12-May-20 A | A/E Review & Approve Submittals - Misc. Metals Lintels                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2430   | A/E Review & Approve Submittals - Misc. Metals Stair 1                | 10                 | 19-Mar-20 A | 24-Jun-20   | A/E Review & Approve Submittals - Misc. Metals Stair 1                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2460   | A/E Review & Approve Submittals - Misc. Metals Stair 2                | 10                 | 15-Apr-20 A | 06-Jul-20   | A/E Review & Approve Submittals - Misc. Metals Stair 2                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5640   | A/E Review & Approve Submittals - Misc. Metals Stair 7                | 10                 | 17-Apr-20 A | 06-Jul-20   | A/E Review & Approve Submittals - Misc. Metals Stair 7                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2450   | A/E Review & Approve Submittals - Misc. Metals Stair 3                | 10                 | 28-Apr-20 A | 06-Jul-20   | A/E Review & Approve Submittals - Misc. Metals Stair 3                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5610   | A/E Review & Approve Submittals - Misc. Metals Stair 6                | 10                 | 30-Apr-20 A | 19-Jun-20   | A/E Review & Approve Submittals - Misc. Metals Stair 6                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5605   | A/E Review & Approve Submittals - Misc. Metals Stair 5                | 5                  | 14-May-20 A | 12-Jun-20   | A/E Review & Approve Submittals - Misc. Metals Stair 5                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2470   | Fab & Available for Delivery - Misc. Metals Lintels                   | 10                 | 08-Jun-20   | 19-Jun-20   | Fab & Available for Delivery - Misc. Metals Lintels                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5615   | Fab & Available for Delivery - Misc. Metals Stair 5                   | 25                 | 15-Jun-20   | 20-Jul-20   | Fab & Available for Delivery - Misc. Metals Stair 5                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5620   | Fab & Available for Delivery - Misc. Metals Stair 6                   | 25                 | 22-Jun-20   | 27-Jul-20   | Fab & Available for Delivery - Misc. Metals Stair 6                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2480   | Fab & Available for Delivery - Misc. Metals Stair 1                   | 25                 | 25-Jun-20   | 30-Jul-20   | Fab & Available for Delivery - Misc. Metals Stair 1                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2500   | Fab & Available for Delivery - Misc. Metals Stair 2                   | 25                 | 07-Jul-20   | 10-Aug-20   | Fab & Available for Delivery - Misc. Metals Stair 2                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-5650   | Fab & Available for Delivery - Misc. Metals Stair 7                   | 25                 | 07-Jul-20   | 10-Aug-20   | Fab & Available for Delivery - Misc. Metals Stair 7                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| PRO-2510   | Fab & Available for Delivery - Misc. Metals Stair 3                   | 30                 | 07-Jul-20   | 17-Aug-20   | Fab & Available for Delivery - Misc. Metals Stair 3                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Building AVB &amp; Caulking (Trade Contractor)</b>                |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort        ■ Critical Remaining Work  
■ Actual Work                        ◆ Milestone



| Activity ID  | Activity Name  | Remaining Duration | Start       | Finish      | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|--|--|--------------------|-------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|  |  |                    |             |             | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|  |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2540   | Subcontractor Issue Submittals - Building AVB & Caulking                                 | 10                 | 18-Mar-20 A | 19-Jun-20   | █ Subcontractor Issue Submittals - Building AVB & Caulking                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2550   | A/E Review & Approve Submittals - Building AVB & Caulking                                | 15                 | 19-Mar-20 A | 13-Jul-20   | █ A/E Review & Approve Submittals - Building AVB & Caulking                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2560   | Fab & Available for Delivery - Building AVB & Caulking                                   | 20                 | 26-Mar-20 A | 20-Jul-20   | █ Fab & Available for Delivery - Building AVB & Caulking                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Roofing &amp; Flashing (Trade Contractor)</b>       |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2600   | Subcontractor Issue Submittals - Membrane Roofing  | 0                  | 06-Apr-20 A | 13-Apr-20 A | █ Subcontractor Issue Submittals - Membrane Roofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2590   | Subcontractor Issue Submittals - Roofing Metal Flashing & Trim                           | 0                  | 06-Apr-20 A | 23-Apr-20 A | █ Subcontractor Issue Submittals - Roofing Metal Flashing & Trim                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2620   | A/E Review & Approve Submittals - Membrane Roofing                                       | 5                  | 13-Apr-20 A | 12-Jun-20   | █ A/E Review & Approve Submittals - Membrane Roofing                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2610   | A/E Review & Approve Submittals - Roofing Metal Flashing & Trim                          | 5                  | 24-Apr-20 A | 12-Jun-20   | █ A/E Review & Approve Submittals - Roofing Metal Flashing & Trim                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2630   | Fab & Available for Delivery - Membrane Roofing  | 20                 | 15-Jun-20   | 13-Jul-20   | █ Fab & Available for Delivery - Membrane Roofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2640   | Fab & Available for Delivery - Roofing Metal Flashing & Trim                             | 25                 | 15-Jun-20   | 20-Jul-20   | █ Fab & Available for Delivery - Roofing Metal Flashing & Trim                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Interior Glass &amp; Glazing (Trade Contractor)</b> |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2670   | Subcontractor Issue Submittals - Interior Glass  | 0                  | 01-Apr-20 A | 01-May-20 A | █ Subcontractor Issue Submittals - Interior Glass  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2690   | A/E Review & Approve Submittals - Interior Glass   | 5                  | 04-May-20 A | 12-Jun-20   | █ A/E Review & Approve Submittals - Interior Glass   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2680   | Subcontractor Issue Submittals - Interior Glass Mirrors                                  | 19                 | 05-May-20 A | 02-Jul-20   | █ Subcontractor Issue Submittals - Interior Glass Mirrors                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2720   | Fab & Available for Delivery - Interior Glass  | 40                 | 15-Jun-20   | 10-Aug-20   | █ Fab & Available for Delivery - Interior Glass  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2700   | A/E Review & Approve Submittals - Interior Glass Mirrors                                 | 15                 | 06-Jul-20   | 24-Jul-20   | █ A/E Review & Approve Submittals - Interior Glass Mirrors                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2710   | Fab & Available for Delivery - Interior Glass Mirrors                                    | 25                 | 27-Jul-20   | 28-Aug-20   | █ Fab & Available for Delivery - Interior Glass Mirrors                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Tile (Trade Contractor)</b>                         |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2750   | Subcontractor Issue Submittals - Ceramic Tile  | 20                 | 22-Jan-20 A | 06-Jul-20   | █ Subcontractor Issue Submittals - Ceramic Tile  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2760   | A/E Review & Approve Submittals - Ceramic Tile   | 15                 | 07-Jul-20   | 27-Jul-20   | █ A/E Review & Approve Submittals - Ceramic Tile   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2770   | Fab & Available for Delivery - Ceramic Tile  | 50                 | 28-Jul-20   | 06-Oct-20   | █ Fab & Available for Delivery - Ceramic Tile  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Terrazzo (Trade Contractor)</b>                     |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-5290   | Subcontractor Issue Submittals - Terrazzo  | 20                 | 24-Feb-20 A | 06-Jul-20   | █ Subcontractor Issue Submittals - Terrazzo  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-5300   | A/E Review & Approve Submittals - Terrazzo   | 15                 | 25-Feb-20 A | 27-Jul-20   | █ A/E Review & Approve Submittals - Terrazzo   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-5310   | Fab & Available for Delivery - Terrazzo  | 30                 | 28-Jul-20   | 08-Sep-20   | █ Fab & Available for Delivery - Terrazzo  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Acoustical Ceiling Tile (Trade Contractor)</b>      |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2800   | Subcontractor Issue Submittals - ACT   | 0                  | 02-Mar-20 A | 29-May-20 A | █ Subcontractor Issue Submittals - ACT   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2810   | Subcontractor Issue Submittals - Acoustical Metal Panels                                 | 20                 | 02-Mar-20 A | 06-Jul-20   | █ Subcontractor Issue Submittals - Acoustical Metal Panels                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2820   | A/E Review & Approve Submittals - ACT  | 10                 | 03-Mar-20 A | 19-Jun-20   | █ A/E Review & Approve Submittals - ACT  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2830   | A/E Review & Approve Submittals - Acoustical Metal Panels                                | 15                 | 03-Mar-20 A | 27-Jul-20   | █ A/E Review & Approve Submittals - Acoustical Metal Panels                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2840   | Fab & Available for Delivery - ACT   | 15                 | 22-Jun-20   | 13-Jul-20   | █ Fab & Available for Delivery - ACT   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2850   | Fab & Available for Delivery - Acoustical Metal Panels                                   | 50                 | 28-Jul-20   | 06-Oct-20   | █ Fab & Available for Delivery - Acoustical Metal Panels                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Resilient Flooring (Trade Contractor)</b>           |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2880   | Subcontractor Issue Submittals - Resilient Flooring                                      | 0                  | 06-May-20 A | 25-May-20 A | █ Subcontractor Issue Submittals - Resilient Flooring                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2890   | A/E Review & Approve Submittals - Resilient Flooring                                     | 8                  | 26-May-20 A | 17-Jun-20   | █ A/E Review & Approve Submittals - Resilient Flooring                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2900   | Fab & Available for Delivery - Resilient Flooring  | 30                 | 18-Jun-20   | 30-Jul-20   | █ Fab & Available for Delivery - Resilient Flooring  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Painting (Trade Contractor)</b>                     |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2930   | Subcontractor Issue Submittals - Painting  | 15                 | 30-Mar-20 A | 26-Jun-20   | █ Subcontractor Issue Submittals - Painting  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2940   | A/E Review & Approve Submittals - Painting   | 15                 | 29-Jun-20   | 20-Jul-20   | █ A/E Review & Approve Submittals - Painting   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-2950   | Fab & Available for Delivery - Painting  | 10                 | 21-Jul-20   | 03-Aug-20   | █ Fab & Available for Delivery - Painting  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Remaining Procurement Post CDs (Subcontractors)</b> |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Carpentry &amp; Drywall</b>                         |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3070   | A/E Review & Approve Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing | 0                  | 30-Mar-20 A | 21-Apr-20 A | █ A/E Review & Approve Submittals - Carpentry & Drywall Exterior Cold Formed Metal Framing |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3080   | Fab & Available for Delivery - Carpentry & Drywall Exterior Cold Formed Metal Framing    | 5                  | 22-Apr-20 A | 12-Jun-20   | █ Fab & Available for Delivery - Carpentry & Drywall Exterior Cold Formed Metal Framing    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3980   | Subcontractor Issue Submittals - White Box Vibration/Sound Isolation                     | 20                 | 08-Jun-20   | 06-Jul-20   | █ Subcontractor Issue Submittals - White Box Vibration/Sound Isolation                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3060   | Subcontractor Issue Submittals - Carpentry & Drywall Non-Structural Metal Framing        | 25                 | 08-Jun-20   | 13-Jul-20   | █ Subcontractor Issue Submittals - Carpentry & Drywall Non-Structural Metal Framing        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3990   | A/E Review & Approve Submittals - White Box Vibration/Sound Isolation                    | 15                 | 07-Jul-20   | 27-Jul-20   | █ A/E Review & Approve Submittals - White Box Vibration/Sound Isolation                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3090   | A/E Review & Approve Submittals - Carpentry & Drywall Non-Structural Metal Framing       | 15                 | 14-Jul-20   | 03-Aug-20   | █ A/E Review & Approve Submittals - Carpentry & Drywall Non-Structural Metal Framing       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4000   | Fab & Available for Delivery - White Box Vibration/Sound Isolation                       | 40                 | 28-Jul-20   | 22-Sep-20   | █ Fab & Available for Delivery - White Box Vibration/Sound Isolation                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3100   | Fab & Available for Delivery - Carpentry & Drywall Non-Structural Metal Framing          | 10                 | 04-Aug-20   | 17-Aug-20   | █ Fab & Available for Delivery - Carpentry & Drywall Non-Structural Metal Framing          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Spray Fireproofing</b>                              |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3120   | Owner Review/Approve RTA - Spray Fireproofing  | 0                  | 05-Feb-20 A | 07-May-20 A | █ Owner Review/Approve RTA - Spray Fireproofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6700   | Town Building Commission Approves Contract - Spray Fireproofing                          | 0                  | 12-May-20 A | 12-May-20 A | █ Town Building Commission Approves Contract - Spray Fireproofing                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID                            | Activity Name  | Remaining Duration | Start       | Finish      | Detailed Schedule  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
|--|--|--------------------|-------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|  |  |                    |             |             | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|  |  |                    |             |             | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
| PRO-3130                               | Award Contract - Spray Fireproofing  | 0                  | 13-May-20 A | 13-May-20 A | Award Contract - Spray Fireproofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3140                               | Execute Contract - Spray Fireproofing  | 3                  | 14-May-20 A | 10-Jun-20   | Execute Contract - Spray Fireproofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3150                               | Subcontractor Issue Submittals - Spray Fireproofing  | 2                  | 19-May-20 A | 09-Jun-20   | Subcontractor Issue Submittals - Spray Fireproofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3160                               | A/E Review & Approve Submittals - Spray Fireproofing   | 10                 | 10-Jun-20   | 23-Jun-20   | A/E Review & Approve Submittals - Spray Fireproofing   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3170                               | Fab & Available for Delivery - Spray Fireproofing  | 3                  | 24-Jun-20   | 26-Jun-20   | Fab & Available for Delivery - Spray Fireproofing  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Doors, Frames And Hardware</b>      |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3190                               | Owner Review/Approve RTA - Doors, Frames & Hardware  | 0                  | 24-Feb-20 A | 07-May-20 A | Owner Review/Approve RTA - Doors, Frames & Hardware  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6710                               | Town Building Commission Approves Contract - Doors, Frames & Hardware  | 0                  | 12-May-20 A | 12-May-20 A | Town Building Commission Approves Contract - Doors, Frames & Hardware  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3200                               | Award Contract - Doors, Frames & Hardware  | 0                  | 13-May-20 A | 13-May-20 A | Award Contract - Doors, Frames & Hardware  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3220                               | Subcontractor Issue Submittals - Interior Wood Doors   | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Interior Wood Doors   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3230                               | Subcontractor Issue Submittals - Door Hardware   | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Door Hardware   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3240                               | Subcontractor Issue Submittals - HM Door Frames  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - HM Door Frames  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3250                               | Subcontractor Issue Submittals - HM Doors  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - HM Doors  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3210                               | Execute Contract - Doors, Frames & Hardware  | 5                  | 14-May-20 A | 12-Jun-20   | Execute Contract - Doors, Frames & Hardware  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3260                               | A/E Review & Approve Submittals - Interior Wood Doors  | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Interior Wood Doors  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3270                               | A/E Review & Approve Submittals - Door Hardware  | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Door Hardware  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3280                               | A/E Review & Approve Submittals - HM Door Frames   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - HM Door Frames   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3290                               | A/E Review & Approve Submittals - HM Doors   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - HM Doors   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3300                               | Fab & Available for Delivery - HM Door Frames  | 25                 | 28-Jul-20   | 31-Aug-20   | Fab & Available for Delivery - HM Door Frames  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3330                               | Fab & Available for Delivery - HM Doors  | 50                 | 28-Jul-20   | 06-Oct-20   | Fab & Available for Delivery - HM Doors  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3310                               | Fab & Available for Delivery - Interior Wood Doors   | 65                 | 28-Jul-20   | 28-Oct-20   | Fab & Available for Delivery - Interior Wood Doors   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3320                               | Fab & Available for Delivery - Door Hardware   | 65                 | 28-Jul-20   | 28-Oct-20   | Fab & Available for Delivery - Door Hardware   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Millwork &amp; Finish Carpentry</b> |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3350                               | Owner Review/Approve RTA - Millwork & Finish Carpentry   | 0                  | 25-Feb-20 A | 07-May-20 A | Owner Review/Approve RTA - Millwork & Finish Carpentry   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3660                               | Owner Review/Approve RTA for Fab, Furnish & Install - Millwork & Finish Carpentry  | 20                 | 25-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA for Fab, Furnish & Install - Millwork & Finish Carpentry  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6720                               | Town Building Commission Approves Contract - Millwork & Finish Carpentry Submittals & Shops Only (Submittals & Shops Only) | 0                  | 12-May-20 A | 12-May-20 A | Town Building Commission Approves Contract - Millwork & Finish Carpentry Submittals & Shops Only (Submittals & Shops Only) |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3360                               | Award Contract - Millwork & Finish Carpentry (Submittals & Shops Only)   | 0                  | 12-May-20 A | 13-May-20 A | Award Contract - Millwork & Finish Carpentry (Submittals & Shops Only)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3370                               | Execute Contract - Millwork & Finish Carpentry (Submittals & Shops Only)   | 0                  | 13-May-20 A | 13-May-20 A | Execute Contract - Millwork & Finish Carpentry (Submittals & Shops Only)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3380                               | Subcontractor Issue Submittals - Millwork Display Cases  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Millwork Display Cases  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3390                               | Subcontractor Issue Submittals - Millwork Wood Benches   | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Millwork Wood Benches   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3400                               | Subcontractor Issue Submittals - Millwork Countertops  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Millwork Countertops  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3410                               | Subcontractor Issue Submittals - Millwork Wood Veneer Casework   | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Millwork Wood Veneer Casework   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3420                               | Subcontractor Issue Submittals - Millwork Plastic Laminate Casework  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Millwork Plastic Laminate Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3430                               | A/E Review & Approve Submittals - Millwork Display Cases   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Millwork Display Cases   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3440                               | A/E Review & Approve Submittals - Millwork Wood Benches  | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Millwork Wood Benches  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3450                               | A/E Review & Approve Submittals - Millwork Countertops   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Millwork Countertops   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3460                               | A/E Review & Approve Submittals - Millwork Wood Veneer Casework  | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Millwork Wood Veneer Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3470                               | A/E Review & Approve Submittals - Millwork Plastic Laminate Casework   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Millwork Plastic Laminate Casework   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3480                               | Fab & Available for Delivery - Millwork Display Cases  | 35                 | 28-Jul-20   | 15-Sep-20   | Fab & Available for Delivery - Millwork Display Cases  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3490                               | Fab & Available for Delivery - Millwork Wood Benches   | 35                 | 28-Jul-20   | 15-Sep-20   | Fab & Available for Delivery - Millwork Wood Benches   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3500                               | Fab & Available for Delivery - Millwork Wood Veneer Casework   | 35                 | 28-Jul-20   | 15-Sep-20   | Fab & Available for Delivery - Millwork Wood Veneer Casework   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3510                               | Fab & Available for Delivery - Millwork Plastic Laminate Casework  | 35                 | 28-Jul-20   | 15-Sep-20   | Fab & Available for Delivery - Millwork Plastic Laminate Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-3520                               | Fab & Available for Delivery - Millwork Countertops  | 40                 | 28-Jul-20   | 22-Sep-20   | Fab & Available for Delivery - Millwork Countertops  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Lab Casework</b>                    |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7170                               | Owner Review/Approve RTA - Lab Casework  | 0                  | 25-Feb-20 A | 07-May-20 A | Owner Review/Approve RTA - Lab Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7410                               | Owner Review/Approve RTA for Fab, Furnish & Install - Lab Casework   | 20                 | 25-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA for Fab, Furnish & Install - Lab Casework   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7220                               | Town Building Commission Approves Contract - Lab Casework  | 0                  | 12-May-20 A | 12-May-20 A | Town Building Commission Approves Contract - Lab Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7150                               | Execute Contract - Lab Casework (Submittals & Shops Only)  | 0                  | 13-May-20 A | 13-May-20 A | Execute Contract - Lab Casework (Submittals & Shops Only)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7160                               | Award Contract - Lab Casework (Submittals & Shops Only)  | 0                  | 13-May-20 A | 13-May-20 A | Award Contract - Lab Casework (Submittals & Shops Only)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7200                               | Subcontractor Issue Submittals - Lab Casework  | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Lab Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7190                               | A/E Review & Approve Submittals - Lab Casework   | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Lab Casework   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7180                               | Fab & Available for Delivery - Lab Casework  | 35                 | 28-Jul-20   | 15-Sep-20   | Fab & Available for Delivery - Lab Casework  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Food Service Equipment</b>          |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID                               | Activity Name  | Remaining Duration | Start       | Finish      | 2020   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--------------------|-------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|
|   |  |                    |             |             | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
|   |  |                    |             |             | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3540                                  | Owner Review/Approve RTA - Food Service Equipment                            | 0                  | 25-Feb-20 A | 07-May-20 A | Owner Review/Approve RTA - Food Service Equipment                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-7420                                  | Owner Review/Approve RTA for Fab, Furnish & Install - Food Service Equipment | 20                 | 25-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA for Fab, Furnish & Install - Food Service Equipment |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6740                                  | Town Building Commission Approves Contract - Food Service Equipment          | 0                  | 12-May-20 A | 12-May-20 A | Town Building Commission Approves Contract - Food Service Equipment          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3550                                  | Award Contract - Food Service Equipment                                      | 0                  | 13-May-20 A | 13-May-20 A | Award Contract - Food Service Equipment                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3560                                  | Execute Contract - Food Service Equipment                                    | 0                  | 13-May-20 A | 13-May-20 A | Execute Contract - Food Service Equipment                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3570                                  | Subcontractor Issue Submittals - Food Service Equipment                      | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Food Service Equipment                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3580                                  | Subcontractor Issue Submittals - Walk-In Cooler/Freezer                      | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Walk-In Cooler/Freezer                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3590                                  | Subcontractor Issue Submittals - Hood System (Make Up Air Exhaust)           | 20                 | 14-May-20 A | 06-Jul-20   | Subcontractor Issue Submittals - Hood System (Make Up Air Exhaust)           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3600                                  | A/E Review & Approve Submittals - Food Service Equipment                     | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Food Service Equipment                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3610                                  | A/E Review & Approve Submittals - Walk-In Cooler/Freezer                     | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Walk-In Cooler/Freezer                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3620                                  | A/E Review & Approve Submittals - Hood System (Make Up Air Exhaust)          | 15                 | 07-Jul-20   | 27-Jul-20   | A/E Review & Approve Submittals - Hood System (Make Up Air Exhaust)          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3630                                  | Fab & Available for Delivery - Hood System (Make Up Air Exhaust)             | 65                 | 28-Jul-20   | 28-Oct-20   | Fab & Available for Delivery - Hood System (Make Up Air Exhaust)             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3640                                  | Fab & Available for Delivery - Food Service Equipment                        | 65                 | 28-Jul-20   | 28-Oct-20   | Fab & Available for Delivery - Food Service Equipment                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3650                                  | Fab & Available for Delivery - Walk-In Cooler/Freezer                        | 65                 | 28-Jul-20   | 28-Oct-20   | Fab & Available for Delivery - Walk-In Cooler/Freezer                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Overhead Doors &amp; Fire Shutters</b> |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5410                                  | Owner Review/Approve RTA - Overhead Doors & Fire Shutters                    | 20                 | 26-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA - Overhead Doors & Fire Shutters                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6770                                  | Town Building Commission Approves Contract - Overhead Doors & Fire Shutters  | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Overhead Doors & Fire Shutters  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5400                                  | Award Contract - Overhead Doors & Fire Shutters                              | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Overhead Doors & Fire Shutters                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5390                                  | Execute Contract - Overhead Doors & Fire Shutters                            | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Overhead Doors & Fire Shutters                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3700                                  | Subcontractor Issue Submittals - Loading Dock Equipment                      | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Loading Dock Equipment                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5440                                  | Subcontractor Issue Submittals - Overhead Doors                              | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Overhead Doors                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-7430                                  | Subcontractor Issue Submittals - Interior Sectional Doors                    | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Interior Sectional Doors                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3710                                  | A/E Review & Approve Submittals - Loading Dock Equipment                     | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Loading Dock Equipment                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5430                                  | A/E Review & Approve Submittals - Overhead Doors                             | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Overhead Doors                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-7440                                  | A/E Review & Approve Submittals - Interior Sectional Doors                   | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Interior Sectional Doors                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3720                                  | Fab & Available for Delivery - Loading Dock Equipment                        | 50                 | 11-Sep-20   | 24-Nov-20   | Fab & Available for Delivery - Loading Dock Equipment                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5420                                  | Fab & Available for Delivery - Overhead Doors                                | 65                 | 11-Sep-20   | 17-Dec-20   | Fab & Available for Delivery - Overhead Doors                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-7450                                  | Fab & Available for Delivery - Interior Sectional Doors                      | 65                 | 11-Sep-20   | 17-Dec-20   | Fab & Available for Delivery - Interior Sectional Doors                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Epoxy Flooring</b>                     |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3810                                  | Owner Review/Approve RTA - Epoxy Flooring                                    | 20                 | 11-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA - Epoxy Flooring                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6810                                  | Town Building Commission Approves Contract - Epoxy Flooring                  | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Epoxy Flooring                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3820                                  | Award Contract - Epoxy Flooring  | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Epoxy Flooring  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3830                                  | Execute Contract - Epoxy Flooring  | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Epoxy Flooring  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3840                                  | Subcontractor Issue Submittals - Epoxy Flooring                              | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Epoxy Flooring                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3850                                  | A/E Review & Approve Submittals - Epoxy Flooring                             | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Epoxy Flooring                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3860                                  | Fab & Available for Delivery - Epoxy Flooring                                | 25                 | 11-Sep-20   | 19-Oct-20   | Fab & Available for Delivery - Epoxy Flooring                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Carpet</b>                             |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3880                                  | Owner Review/Approve RTA - Carpet  | 25                 | 11-Feb-20 A | 13-Jul-20   | Owner Review/Approve RTA - Carpet  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6820                                  | Town Building Commission Approves Contract - Carpet                          | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Carpet                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3890                                  | Award Contract - Carpet  | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Carpet  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3900                                  | Execute Contract - Carpet  | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Carpet  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3910                                  | Subcontractor Issue Submittals - Carpet                                      | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Carpet                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3920                                  | A/E Review & Approve Submittals - Carpet                                     | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Carpet                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-3930                                  | Fab & Available for Delivery - Carpet  | 25                 | 11-Sep-20   | 19-Oct-20   | Fab & Available for Delivery - Carpet  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Site Concrete</b>                      |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5550                                  | Owner Review/Approve RTA - Site Concrete                                     | 20                 | 26-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA - Site Concrete                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-6830                                  | Town Building Commission Approves Contract - Site Concrete                   | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Site Concrete                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5540                                  | Award Contract - Site Concrete   | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Site Concrete   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5530                                  | Execute Contract - Site Concrete   | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Site Concrete   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5580                                  | Subcontractor Issue Submittals - Site Concrete                               | 15                 | 23-Jul-20   | 13-Aug-20   | Subcontractor Issue Submittals - Site Concrete                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5570                                  | A/E Review & Approve Submittals - Site Concrete                              | 15                 | 13-Aug-20   | 03-Sep-20   | A/E Review & Approve Submittals - Site Concrete                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| PRO-5560                                  | Fab & Available for Delivery - Site Concrete                                 | 20                 | 03-Sep-20   | 02-Oct-20   | Fab & Available for Delivery - Site Concrete                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Specialties</b>                        |  |                    |             |             |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID                | Activity Name  | Remaining Duration | Start       | Finish      | 2020                  |     |     |     |     |     |     |     |     |     |     |     | 2021                  |     |     |     |     |     |     |     |     |     |     |     | 2022                  |     |     |     |     |     |     |  |  |  |  |  |
|----------------------------|--|--------------------|-------------|-------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                            |  |                    |             |             | Jun                   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun                   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun                   | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                            |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4090                   | Owner Review/Approve RTA - Specialties                             | 20                 | 26-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6840                   | Town Building Commission Approves Contract - Specialties           | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4100                   | Award Contract - Specialties                                       | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4110                   | Execute Contract - Specialties                                     | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4120                   | Subcontractor Issue Submittals - Specialties                       | 20                 | 23-Jul-20   | 20-Aug-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4130                   | A/E Review & Approve Submittals - Specialties                      | 15                 | 20-Aug-20   | 11-Sep-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4140                   | Fab & Available for Delivery - Specialties                         | 30                 | 11-Sep-20   | 26-Oct-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Audio Visual</b>        |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7460                   | Owner Review/Approve RTA for Fab, Furnish & Install - Audio Visual | 20                 | 25-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7250                   | Owner Review/Approve RTA - Audio Visual                            | 0                  | 26-Feb-20 A | 07-May-20 A | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7300                   | Town Building Commission Approves Contract - Audio Visual          | 0                  | 12-May-20 A | 12-May-20 A | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7230                   | Execute Contract - Audio Visual (Partial)                          | 0                  | 13-May-20 A | 13-May-20 A | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7240                   | Award Contract - Audio Visual (Partial)                            | 0                  | 13-May-20 A | 13-May-20 A | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7280                   | Subcontractor Issue Submittals - Audio Visual                      | 20                 | 14-May-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7270                   | A/E Review & Approve Submittals - Audio Visual                     | 15                 | 07-Jul-20   | 27-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7260                   | Fab & Available for Delivery - Audio Visual                        | 60                 | 28-Jul-20   | 21-Oct-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Operable Partitions</b> |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6970                   | Owner Review/Approve RTA - Operable Partitions                     | 20                 | 25-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7020                   | Town Building Commission Approves Contract - Operable Partitions   | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6960                   | Award Contract - Operable Partitions                               | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6950                   | Execute Contract - Operable Partitions                             | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7000                   | Subcontractor Issue Submittals - Operable Partitions               | 20                 | 23-Jul-20   | 20-Aug-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6990                   | A/E Review & Approve Submittals - Operable Partitions              | 15                 | 20-Aug-20   | 11-Sep-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6980                   | Fab & Available for Delivery - Operable Partitions                 | 60                 | 11-Sep-20   | 10-Dec-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Stage Equipment</b>     |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4230                   | Owner Review/Approve RTA - Stage Equipment                         | 20                 | 27-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6850                   | Town Building Commission Approves Contract - Stage Equipment       | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4240                   | Award Contract - Stage Equipment                                   | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4250                   | Execute Contract - Stage Equipment                                 | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4260                   | Subcontractor Issue Submittals - Stage Equipment                   | 20                 | 23-Jul-20   | 20-Aug-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4270                   | A/E Review & Approve Submittals - Stage Equipment                  | 15                 | 20-Aug-20   | 11-Sep-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4280                   | Fab & Available for Delivery - Stage Equipment                     | 65                 | 11-Sep-20   | 17-Dec-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Theater Draperies</b>   |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7330                   | Owner Review/Approve RTA - Stage Equipment                         | 20                 | 26-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7380                   | Town Building Commission Approves Contract - Theater Draperies     | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7320                   | Award Contract - Theater Draperies                                 | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7310                   | Execute Contract - Theater Draperies                               | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7360                   | Subcontractor Issue Submittals - Theater Draperies                 | 20                 | 23-Jul-20   | 20-Aug-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7350                   | A/E Review & Approve Submittals - Theater Draperies                | 15                 | 20-Aug-20   | 11-Sep-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-7340                   | Fab & Available for Delivery - Theater Draperies                   | 65                 | 11-Sep-20   | 17-Dec-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Window Treatments</b>   |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4370                   | Owner Review/Approve RTA - Window Treatments                       | 20                 | 26-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6860                   | Town Building Commission Approves Contract - Window Treatments     | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4380                   | Award Contract - Window Treatments                                 | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4390                   | Execute Contract - Window Treatments                               | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4400                   | Subcontractor Issue Submittals - Window Treatments                 | 20                 | 23-Jul-20   | 20-Aug-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4410                   | A/E Review & Approve Submittals - Window Treatments                | 15                 | 20-Aug-20   | 11-Sep-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4420                   | Fab & Available for Delivery - Window Treatments                   | 20                 | 11-Sep-20   | 09-Oct-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| <b>Signage</b>             |  |                    |             |             |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |     |     |     |     |     |                       |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4440                   | Owner Review/Approve RTA - Signage                                 | 20                 | 26-Feb-20 A | 06-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6880                   | Town Building Commission Approves Contract - Signage               | 1                  | 14-Jul-20   | 14-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4450                   | Award Contract - Signage   | 2                  | 14-Jul-20   | 16-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4460                   | Execute Contract - Signage   | 5                  | 16-Jul-20   | 23-Jul-20   | [Gantt bars for 2020] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2021] |     |     |     |     |     |     |     |     |     |     |     | [Gantt bars for 2022] |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone





| Activity ID            | Activity Name   | Remaining Duration | Start       | Finish      | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|------------------------|---|--------------------|-------------|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                        |   |                    |             |             | Jun   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                        |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4470               | Subcontractor Issue Submittals - Signage                                    | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Signage                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4480               | A/E Review & Approve Submittals - Signage                                   | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Signage                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4490               | Fab & Available for Delivery - Signage                                      | 30                 | 11-Sep-20   | 26-Oct-20   | Fab & Available for Delivery - Signage                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Landscaping</b>     |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4020               | Owner Review/Approve RTA - Landscaping                                      | 20                 | 25-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA - Landscaping                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6890               | Town Building Commission Approves Contract - Landscaping                    | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Landscaping                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4030               | Award Contract - Landscaping  | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Landscaping  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4040               | Execute Contract - Landscaping  | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Landscaping  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4050               | Subcontractor Issue Submittals - Landscaping                                | 15                 | 23-Jul-20   | 13-Aug-20   | Subcontractor Issue Submittals - Landscaping                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4060               | A/E Review & Approve Submittals - Landscaping                               | 15                 | 13-Aug-20   | 03-Sep-20   | A/E Review & Approve Submittals - Landscaping                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4070               | Fab & Available for Delivery - Landscaping                                  | 50                 | 03-Sep-20   | 17-Nov-20   | Fab & Available for Delivery - Landscaping                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Final Cleaning</b>  |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4510               | Owner Review/Approve RTA - Final Cleaning                                   | 20                 | 26-Feb-20 A | 06-Jul-20   | Owner Review/Approve RTA - Final Cleaning                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-6900               | Town Building Commission Approves Contract - Signage                        | 1                  | 14-Jul-20   | 14-Jul-20   | Town Building Commission Approves Contract - Signage                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4520               | Award Contract - Final Cleaning   | 2                  | 14-Jul-20   | 16-Jul-20   | Award Contract - Final Cleaning   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4530               | Execute Contract - Final Cleaning   | 5                  | 16-Jul-20   | 23-Jul-20   | Execute Contract - Final Cleaning   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4540               | Subcontractor Issue Submittals - Final Cleaning                             | 20                 | 23-Jul-20   | 20-Aug-20   | Subcontractor Issue Submittals - Final Cleaning                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4550               | A/E Review & Approve Submittals - Final Cleaning                            | 15                 | 20-Aug-20   | 11-Sep-20   | A/E Review & Approve Submittals - Final Cleaning                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| PRO-4560               | Fab & Available for Delivery - Final Cleaning                               | 10                 | 11-Sep-20   | 25-Sep-20   | Fab & Available for Delivery - Final Cleaning                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Mockups</b>         |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Exterior Facade</b> |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Procurement</b>     |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1150              | Prepare & Submit - Granite - Exterior Mockup                                | 0                  | 02-Mar-20 A | 18-May-20 A | Prepare & Submit - Granite - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1180              | Prepare & Submit - Brick - Exterior Mockup                                  | 0                  | 02-Mar-20 A | 18-May-20 A | Prepare & Submit - Brick - Exterior Mockup                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1260              | Prepare & Submit - Roofing - Exterior Mockup                                | 0                  | 02-Mar-20 A | 02-Jun-20 A | Prepare & Submit - Roofing - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1070              | Review & Approve - Sheathing - Exterior Mockup                              | 0                  | 20-Mar-20 A | 13-Apr-20 A | Review & Approve - Sheathing - Exterior Mockup                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1510              | Fab & Available for Delivery - Metal Panels - Exterior Mockup               | 0                  | 23-Mar-20 A | 13-Apr-20 A | Fab & Available for Delivery - Metal Panels - Exterior Mockup               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1230              | Prepare & Submit - JK Glass Exterior Sealants - Exterior Mockup             | 0                  | 24-Apr-20 A | 24-Apr-20 A | Prepare & Submit - JK Glass Exterior Sealants - Exterior Mockup             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1240              | Review & Approve - JK Glass Exterior Sealants - Exterior Mockup             | 0                  | 24-Apr-20 A | 24-Apr-20 A | Review & Approve - JK Glass Exterior Sealants - Exterior Mockup             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1010              | Review & Approve - Framing - Exterior Mockup                                | 5                  | 24-Apr-20 A | 12-Jun-20   | Review & Approve - Framing - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1210              | Prepare & Submit - Masonry Exterior Sealants - Exterior Mockup              | 5                  | 24-Apr-20 A | 12-Jun-20   | Prepare & Submit - Masonry Exterior Sealants - Exterior Mockup              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1080              | Fab & Available for Delivery - Sheathing - Exterior Mockup                  | 0                  | 14-May-20 A | 21-May-20 A | Fab & Available for Delivery - Sheathing - Exterior Mockup                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1160              | Review & Approve - Granite - Exterior Mockup                                | 0                  | 19-May-20 A | 02-Jun-20 A | Review & Approve - Granite - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1190              | Review & Approve - Brick - Exterior Mockup                                  | 0                  | 19-May-20 A | 02-Jun-20 A | Review & Approve - Brick - Exterior Mockup                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1200              | Fab & Available for Delivery - Brick - Exterior Mockup                      | 0                  | 03-Jun-20 A | 03-Jun-20 A | Fab & Available for Delivery - Brick - Exterior Mockup                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1170              | Fab & Available for Delivery - Granite - Exterior Mockup                    | 7                  | 03-Jun-20 A | 16-Jun-20   | Fab & Available for Delivery - Granite - Exterior Mockup                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1270              | Review & Approve - Roofing - Exterior Mockup                                | 7                  | 03-Jun-20 A | 16-Jun-20   | Review & Approve - Roofing - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1320              | Pre-Installation Meeting - Exterior Mockup                                  | 1                  | 08-Jun-20*  | 08-Jun-20   | Pre-Installation Meeting - Exterior Mockup                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1250              | Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup | 10                 | 08-Jun-20   | 19-Jun-20   | Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1020              | Fab & Available for Delivery - Framing - Exterior Mockup                    | 5                  | 15-Jun-20   | 19-Jun-20   | Fab & Available for Delivery - Framing - Exterior Mockup                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1220              | Review & Approve - Masonry Exterior Sealants - Exterior Mockup              | 10                 | 15-Jun-20   | 26-Jun-20   | Review & Approve - Masonry Exterior Sealants - Exterior Mockup              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1280              | Fab & Available for Delivery - Roofing - Exterior Mockup                    | 5                  | 17-Jun-20   | 23-Jun-20   | Fab & Available for Delivery - Roofing - Exterior Mockup                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1225              | Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup  | 10                 | 29-Jun-20   | 13-Jul-20   | Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Construction</b>    |   |                    |             |             |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1330              | Install Perimeter Fence - Exterior Mockup                                   | 1                  | 22-Jun-20   | 22-Jun-20   | Install Perimeter Fence - Exterior Mockup                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1340              | FRP & Strip Concrete Anchor Pad - Exterior Mockup                           | 5                  | 23-Jun-20   | 29-Jun-20   | FRP & Strip Concrete Anchor Pad - Exterior Mockup                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1350              | Install LGMF & Bracing - Exterior Mockup                                    | 2                  | 30-Jun-20   | 01-Jul-20   | Install LGMF & Bracing - Exterior Mockup                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1370              | Install Sheathing - Exterior Mockup   | 1                  | 02-Jul-20   | 02-Jul-20   | Install Sheathing - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1380              | Install AVB - Exterior Mockup   | 2                  | 06-Jul-20   | 07-Jul-20   | Install AVB - Exterior Mockup   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1390              | Install Thermal Insulation - Exterior Mockup                                | 1                  | 08-Jul-20   | 08-Jul-20   | Install Thermal Insulation - Exterior Mockup                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1400              | Install Curtain Wall Frames - Exterior Mockup                               | 2                  | 09-Jul-20   | 10-Jul-20   | Install Curtain Wall Frames - Exterior Mockup                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1410              | Install Exterior Glazing Frames - Exterior Mockup                           | 1                  | 13-Jul-20   | 13-Jul-20   | Install Exterior Glazing Frames - Exterior Mockup                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MOCK-1420              | Install Punch Windows Frames - Exterior Mockup                              | 1                  | 14-Jul-20   | 14-Jul-20   | Install Punch Windows Frames - Exterior Mockup                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone





| Activity ID                       | Activity Name  | Remaining Duration | Start       | Finish      | 2020 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | 2021   |     |     |     |     |     |     |     |     |     |     |     | 2022 |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|--|--------------------|-------------|-------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|
|                                   |  |                    |             |             | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
|                                   |  |                    |             |             | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1070                        | Cure & Backfill Foundations - South  | 20                 | 02-Apr-20 A | 06-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Cure & Backfill Foundations - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Foundation Walls</b>           |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1760                        | Waterproof Foundation Walls - South  | 0                  | 16-Mar-20 A | 07-Apr-20 A |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Waterproof Foundation Walls - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1770                        | Backfill Foundation Walls - South  | 0                  | 23-Mar-20 A | 14-Apr-20 A |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Backfill Foundation Walls - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1450                        | Final Cure Perimeter Walls   | 0                  | 02-Apr-20 A | 07-Apr-20 A |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Cure Perimeter Walls   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>North (MBTA Area)</b>          |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1810                        | FRP Piers, Spread Footings & Pile Cap (CL 1 to 3) - North                                | 5                  | 04-Mar-20 A | 12-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Piers, Spread Footings & Pile Cap (CL 1 to 3) - North                                |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1610                        | Complete FRP Grade Beam at CL B at OCS Portal - North                                    | 1                  | 16-Mar-20 A | 06-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Complete FRP Grade Beam at CL B at OCS Portal - North                                    |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1680                        | FRP Foundation Walls (Pour 2) - North  | 1                  | 18-Mar-20 A | 08-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Foundation Walls (Pour 2) - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1690                        | FRP Foundation Walls (Pour 3) - North  | 1                  | 18-Mar-20 A | 08-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Foundation Walls (Pour 3) - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1660                        | FRP & Strip Walls at Elevator Pit Area - North   | 1                  | 18-Mar-20 A | 17-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP & Strip Walls at Elevator Pit Area - North   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1700                        | FRP Foundation Walls (Pour 4) - North  | 5                  | 15-Jun-20   | 19-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Foundation Walls (Pour 4) - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1710                        | FRP Foundation Walls (Pour 5) - North  | 5                  | 15-Jun-20   | 19-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Foundation Walls (Pour 5) - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1720                        | Waterproof/Damproof Foundation Walls - North   | 10                 | 15-Jun-20   | 26-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Waterproof/Damproof Foundation Walls - North   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1670                        | Waterproof Walls at Elevator Pit Area - North  | 5                  | 18-Jun-20   | 24-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Waterproof Walls at Elevator Pit Area - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1060                        | Cure Foundations - North   | 5                  | 22-Jun-20   | 26-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Cure Foundations - North   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1730                        | Backfill Foundation Walls - North  | 10                 | 22-Jun-20   | 06-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Backfill Foundation Walls - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| FOUND-1100                        | FRP Stairs - North   | 15                 | 29-Jun-20   | 20-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Stairs - North   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Structure</b>                  |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>North (MBTA D Line Area)</b>   |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 1</b>                    |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1270                       | Install Crane Mats & Mobilize Crane - North  | 0                  | 04-Jun-20 A | 05-Jun-20 A |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Install Crane Mats & Mobilize Crane - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1000                       | Erect Steel along Tracks CL D - North (Weekend Work)                                     | 2                  | 06-Jun-20   | 07-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Steel along Tracks CL D - North (Weekend Work)                                     |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1210                       | Detail, Bolt-up & Plumb Steel along Tracks CL D - North (Weekday)                        | 2                  | 08-Jun-20   | 09-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail, Bolt-up & Plumb Steel along Tracks CL D - North (Weekday)                        |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1280                       | Erect Steel - North (Seq 1)  | 5                  | 10-Jun-20   | 14-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Steel - North (Seq 1)  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1200                       | Set Precast Crane - South  | 5                  | 15-Jun-20   | 19-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Set Precast Crane - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1220                       | Erect Precast over Tracks - L1 - North (Weekend Work)                                    | 2                  | 20-Jun-20   | 21-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Precast over Tracks - L1 - North (Weekend Work)                                    |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1260                       | FRP Perimeter Curb - L1 - North  | 5                  | 02-Jul-20   | 09-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Perimeter Curb - L1 - North  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1020                       | Prep & Place Topping Slab (Weekend Work) - L1 - North                                    | 2                  | 25-Jul-20   | 26-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Prep & Place Topping Slab (Weekend Work) - L1 - North                                    |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 3 to Roof</b>            |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1030                       | Erect Structural Steel over Tracks Sequences 2 to 5 - L3 & Canopy - North (Weekend Work) | 6                  | 22-Jun-20   | 27-Jun-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel over Tracks Sequences 2 to 5 - L3 & Canopy - North (Weekend Work) |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1040                       | Detail & Deck Structural Steel Sequence 2 to 5 - L3 & Canopy - North (Weekday Work)      | 10                 | 22-Jun-20   | 01-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Structural Steel Sequence 2 to 5 - L3 & Canopy - North (Weekday Work)      |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>South (111 Cypress St Lot)</b> |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 1</b>                    |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1050                       | Erect Structural Steel - L1 - South  | 8                  | 29-Jun-20   | 09-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel - L1 - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1060                       | Detail & Deck Steel - L1 - South   | 17                 | 10-Jul-20   | 03-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Steel - L1 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1070                       | Prep & Place Slab on Deck - L1 - South   | 5                  | 04-Aug-20   | 10-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Prep & Place Slab on Deck - L1 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1250                       | FRP Perimeter Curbs - L1- South  | 5                  | 11-Aug-20   | 17-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | FRP Perimeter Curbs - L1- South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 2</b>                    |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1080                       | Erect Structural Steel - L2 - South  | 6                  | 10-Jul-20   | 17-Jul-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel - L2 - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1090                       | Detail & Deck Steel - L2 - South   | 17                 | 20-Jul-20   | 11-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Steel - L2 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1100                       | Prep & Place Slab on Deck - L2 - South   | 5                  | 12-Aug-20   | 18-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Prep & Place Slab on Deck - L2 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 3</b>                    |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1110                       | Erect Structural Steel - L3 - South  | 13                 | 20-Jul-20   | 05-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel - L3 - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1120                       | Detail & Deck Steel - L3 - South   | 17                 | 06-Aug-20   | 28-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Steel - L3 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1130                       | Prep & Place Slab on Deck - L3 - South   | 5                  | 31-Aug-20   | 04-Sep-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Prep & Place Slab on Deck - L3 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Level 4</b>                    |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1140                       | Erect Structural Steel - L4 - South  | 5                  | 06-Aug-20   | 12-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel - L4 - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1150                       | Detail & Deck Steel - L4 - South   | 17                 | 13-Aug-20   | 04-Sep-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Steel - L4 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1160                       | Prep & Place Slab on Deck - L4 - South   | 5                  | 08-Sep-20   | 14-Sep-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Prep & Place Slab on Deck - L4 - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| <b>Roof</b>                       |  |                    |             |             |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1170                       | Erect Structural Steel - Roof - South  | 6                  | 13-Aug-20   | 20-Aug-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Erect Structural Steel - Roof - South  |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |
| STRUCT-1180                       | Detail & Deck Steel - Roof - South   | 17                 | 21-Aug-20   | 15-Sep-20   |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     | Detail & Deck Steel - Roof - South   |     |     |     |     |     |     |     |     |     |     |     |      |  |  |  |  |  |  |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone



| Activity ID                           | Activity Name   | Remaining Duration | Start       | Finish    | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|---------------------------------------|---|--------------------|-------------|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                                       |   |                    |             |           | Jun   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                                       |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STRUCT-1190                           | Prep & Place Slab on Deck - Roof - South                | 5                  | 16-Sep-20   | 22-Sep-20 | ■ Prep & Place Slab on Deck - Roof - South                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Misc. Metal Stairs</b>             |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STAIR-1000                            | Install - Stair 1                                       | 5                  | 31-Jul-20   | 06-Aug-20 | ■ Install - Stair 1                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STAIR-1010                            | Install - Stair 2                                       | 20                 | 11-Aug-20   | 08-Sep-20 | ■ Install - Stair 2                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STAIR-1020                            | Install - Stair 3                                       | 20                 | 25-Aug-20   | 22-Sep-20 | ■ Install - Stair 3                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STAIR-1030                            | Install - Stairs 6/7                                    | 20                 | 09-Sep-20   | 06-Oct-20 | ■ Install - Stairs 6/7                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| STAIR-1040                            | Install - Stairs 4/5                                    | 5                  | 07-Oct-20   | 14-Oct-20 | ■ Install - Stairs 4/5                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Slab on Grade</b>                  |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Lower Level</b>                    |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SOG-1000                              | Excavate & Install Underslab Utilities - Lower Level    | 7                  | 14-Apr-20 A | 16-Jun-20 | ■ Excavate & Install Underslab Utilities - Lower Level    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SOG-1010                              | Prep & Place Slab on Grade - Lower Level                | 10                 | 04-Aug-20   | 17-Aug-20 | ■ Prep & Place Slab on Grade - Lower Level                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Layout &amp; Install Top Track</b> |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3000                               | Layout & Install Top Track - L1                         | 5                  | 19-Aug-20   | 25-Aug-20 | ■ Layout & Install Top Track - L1                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3010                               | Layout & Install Top Track - L2                         | 5                  | 08-Sep-20   | 14-Sep-20 | ■ Layout & Install Top Track - L2                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3020                               | Layout & Install Top Track - L3                         | 5                  | 15-Sep-20   | 21-Sep-20 | ■ Layout & Install Top Track - L3                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3030                               | Layout & Install Top Track - L4                         | 5                  | 23-Sep-20   | 29-Sep-20 | ■ Layout & Install Top Track - L4                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3040                               | Layout & Install Top Track - Garden Level               | 5                  | 30-Sep-20   | 06-Oct-20 | ■ Layout & Install Top Track - Garden Level               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Spray Fireproofing</b>             |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SPF-1000                              | Spray Fireproof - L1                                    | 5                  | 08-Sep-20   | 14-Sep-20 | ■ Spray Fireproof - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SPF-1010                              | Spray Fireproof - L2                                    | 5                  | 15-Sep-20   | 21-Sep-20 | ■ Spray Fireproof - L2                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SPF-1020                              | Spray Fireproof - L3                                    | 5                  | 22-Sep-20   | 28-Sep-20 | ■ Spray Fireproof - L3                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SPF-1030                              | Spray Fireproof - L4                                    | 5                  | 02-Oct-20   | 08-Oct-20 | ■ Spray Fireproof - L4                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| SPF-1040                              | Spray Fireproof - Garden Level                          | 5                  | 09-Oct-20   | 16-Oct-20 | ■ Spray Fireproof - Garden Level                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Roofing</b>                        |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| RF-1000                               | Temp-in Roofs   | 15                 | 23-Sep-20   | 14-Oct-20 | ■ Temp-in Roofs   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| RF-1010                               | Set & Connect Roof Top Equipment                        | 20                 | 23-Sep-20   | 21-Oct-20 | ■ Set & Connect Roof Top Equipment                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| RF-1020                               | Install Roof Screens                                    | 20                 | 22-Oct-20   | 19-Nov-20 | ■ Install Roof Screens                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| RF-1030                               | Install Permanent Roof - Roof Level                     | 15                 | 20-Nov-20   | 14-Dec-20 | ■ Install Permanent Roof - Roof Level                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| RF-1040                               | Install Permanent Roof (Following Staging Removal) - L3 | 15                 | 29-Apr-21   | 19-May-21 | ■ Install Permanent Roof (Following Staging Removal) - L3 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Exterior Facade</b>                |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1000                              | Frame Exterior Walls                                    | 71                 | 22-Sep-20   | 06-Jan-21 | ■ Frame Exterior Walls                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-105                               | Sheath Exterior Walls                                   | 60                 | 13-Oct-20   | 11-Jan-21 | ■ Sheath Exterior Walls                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1010                              | AVB Exterior Walls                                      | 57                 | 27-Oct-20   | 21-Jan-21 | ■ AVB Exterior Walls                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1040                              | Install Curtain Wall                                    | 90                 | 10-Nov-20   | 24-Mar-21 | ■ Install Curtain Wall                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1020                              | Stage Exterior Walls                                    | 83                 | 28-Dec-20   | 27-Apr-21 | ■ Stage Exterior Walls                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1030                              | Install Stone & Brick / Washdown / Remove Staging       | 77                 | 07-Jan-21   | 28-Apr-21 | ■ Install Stone & Brick / Washdown / Remove Staging       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| EXT-1050                              | Building Temp Tight                                     | 0                  |             | 24-Mar-21 | ◆ Building Temp Tight                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>East Elevation (CL C.7 to PP)</b>  |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1000                                | Frame Exterior Walls & Canopy - East Elevation          | 24                 | 22-Sep-20   | 26-Oct-20 | ■ Frame Exterior Walls & Canopy - East Elevation          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1010                                | Sheath Exterior Walls & Canopy - East Elevation         | 15                 | 13-Oct-20   | 02-Nov-20 | ■ Sheath Exterior Walls & Canopy - East Elevation         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1020                                | Install AVB - East Elevation                            | 10                 | 27-Oct-20   | 09-Nov-20 | ■ Install AVB - East Elevation                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1030                                | Prep Openings for Curtain Wall - East Elevation         | 10                 | 03-Nov-20   | 17-Nov-20 | ■ Prep Openings for Curtain Wall - East Elevation         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1040                                | Install Curtain Wall - East Elevation                   | 31                 | 10-Nov-20   | 28-Dec-20 | ■ Install Curtain Wall - East Elevation                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1050                                | Install Staging - East Elevation                        | 20                 | 07-Dec-20   | 05-Jan-21 | ■ Install Staging - East Elevation                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1060                                | Install Stone - East Elevation                          | 18                 | 23-Dec-20   | 20-Jan-21 | ■ Install Stone - East Elevation                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1070                                | Install Brick - East Elevation                          | 24                 | 07-Jan-21   | 10-Feb-21 | ■ Install Brick - East Elevation                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1080                                | Washdown Masonry - East Elevation                       | 10                 | 03-Feb-21   | 17-Feb-21 | ■ Washdown Masonry - East Elevation                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1090                                | Remove Staging - East Elevation                         | 10                 | 10-Feb-21   | 24-Feb-21 | ■ Remove Staging - East Elevation                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| E-1100                                | Caulk Facade - East Elevation                           | 11                 | 25-Feb-21   | 11-Mar-21 | ■ Caulk Facade - East Elevation                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>South Elevation (CL 10 to 18)</b>  |   |                    |             |           |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1000                                | Frame Exterior Walls - South Elevation                  | 17                 | 19-Oct-20   | 10-Nov-20 | ■ Frame Exterior Walls - South Elevation                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1010                                | Sheath Exterior Walls - South Elevation                 | 10                 | 04-Nov-20   | 18-Nov-20 | ■ Sheath Exterior Walls - South Elevation                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1020                                | Install AVB - South Elevation                           | 6                  | 18-Nov-20   | 25-Nov-20 | ■ Install AVB - South Elevation                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID                                     | Activity Name  | Remaining Duration | Start     | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
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|   |  |                    |           |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|   |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1030  | Prep Openings for Curtain Wall - South Elevation                                     | 5                  | 30-Nov-20 | 04-Dec-20 | ■ Prep Openings for Curtain Wall - South Elevation                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1040  | Install Curtain Wall - South Elevation   | 8                  | 29-Dec-20 | 08-Jan-21 | ■ Install Curtain Wall - South Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1050  | Install Staging - South Elevation  | 5                  | 11-Jan-21 | 15-Jan-21 | ■ Install Staging - South Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1060  | Install Stone - South Elevation  | 15                 | 21-Jan-21 | 10-Feb-21 | ■ Install Stone - South Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1070  | Install Brick - South Elevation  | 20                 | 04-Feb-21 | 04-Mar-21 | ■ Install Brick - South Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1080  | Washdown Masonry - South Elevation   | 5                  | 04-Mar-21 | 10-Mar-21 | ■ Washdown Masonry - South Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1090  | Remove Staging - South Elevation   | 3                  | 11-Mar-21 | 15-Mar-21 | ■ Remove Staging - South Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| S-1100  | Caulk Facade - South Elevation   | 7                  | 16-Mar-21 | 24-Mar-21 | ■ Caulk Facade - South Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>West Elevation (CL C.7 to P)</b>             |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1000  | Frame Exterior Walls - West Elevation  | 36                 | 02-Nov-20 | 24-Dec-20 | ■ Frame Exterior Walls - West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1010  | Sheath Exterior Walls - West Elevation   | 17                 | 09-Dec-20 | 04-Jan-21 | ■ Sheath Exterior Walls - West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1020  | Install AVB - West Elevation   | 19                 | 16-Dec-20 | 13-Jan-21 | ■ Install AVB - West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1030  | Prep Openings for Curtain Wall - West Elevation                                      | 15                 | 30-Dec-20 | 21-Jan-21 | ■ Prep Openings for Curtain Wall - West Elevation                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1040  | Install Curtain Wall - West Elevation  | 23                 | 11-Jan-21 | 11-Feb-21 | ■ Install Curtain Wall - West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1050  | Install Staging - West Elevation   | 20                 | 26-Jan-21 | 23-Feb-21 | ■ Install Staging - West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1060  | Install Stone - West Elevation   | 5                  | 11-Feb-21 | 18-Feb-21 | ■ Install Stone - West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1070  | Install Brick - West Elevation   | 36                 | 23-Feb-21 | 13-Apr-21 | ■ Install Brick - West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1080  | Washdown Masonry - West Elevation  | 10                 | 06-Apr-21 | 20-Apr-21 | ■ Washdown Masonry - West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1090  | Remove Staging - West Elevation  | 10                 | 13-Apr-21 | 27-Apr-21 | ■ Remove Staging - West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| W-1100  | Caulk Facade - West Elevation  | 19                 | 28-Apr-21 | 24-May-21 | ■ Caulk Facade - West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>North Elevation (CL 2.6 to 6.4)</b>          |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1000  | Frame Exterior Walls - North Elevation   | 7                  | 28-Dec-20 | 06-Jan-21 | ■ Frame Exterior Walls - North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1010  | Sheath Exterior Walls - North Elevation  | 5                  | 05-Jan-21 | 11-Jan-21 | ■ Sheath Exterior Walls - North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1020  | Install AVB - North Elevation  | 5                  | 14-Jan-21 | 21-Jan-21 | ■ Install AVB - North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1030  | Prep Openings for Curtain Wall - North Elevation                                     | 3                  | 22-Jan-21 | 26-Jan-21 | ■ Prep Openings for Curtain Wall - North Elevation                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1040  | Install Curtain Wall - North Elevation   | 10                 | 02-Feb-21 | 16-Feb-21 | ■ Install Curtain Wall - North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1050  | Install Staging - North Elevation  | 5                  | 17-Feb-21 | 23-Feb-21 | ■ Install Staging - North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1070  | Install Brick - North Elevation  | 10                 | 07-Apr-21 | 21-Apr-21 | ■ Install Brick - North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1080  | Washdown Masonry - North Elevation   | 3                  | 22-Apr-21 | 26-Apr-21 | ■ Washdown Masonry - North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1090  | Remove Staging - North Elevation   | 2                  | 27-Apr-21 | 28-Apr-21 | ■ Remove Staging - North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| N-1100  | Caulk Facade - North Elevation   | 3                  | 25-May-21 | 27-May-21 | ■ Caulk Facade - North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Cafeteria East Elevation (CL D to B)</b>     |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1110   | Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria East Elevation  | 5                  | 22-Sep-20 | 28-Sep-20 | ■ Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria East Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1000   | Frame Canopy - Cafeteria East Elevation  | 10                 | 27-Oct-20 | 09-Nov-20 | ■ Frame Canopy - Cafeteria East Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1010   | Sheath Canopy - Cafeteria East Elevation   | 10                 | 10-Nov-20 | 24-Nov-20 | ■ Sheath Canopy - Cafeteria East Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1020   | Install AVB - Cafeteria East Elevation   | 10                 | 18-Nov-20 | 03-Dec-20 | ■ Install AVB - Cafeteria East Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1030   | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria East Elevation     | 10                 | 25-Nov-20 | 10-Dec-20 | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria East Elevation     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1040   | Install Curtain Wall - Cafeteria East Elevation                                      | 10                 | 04-Dec-20 | 17-Dec-20 | ■ Install Curtain Wall - Cafeteria East Elevation                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1050   | Install Staging - Cafeteria East Elevation   | 5                  | 18-Dec-20 | 24-Dec-20 | ■ Install Staging - Cafeteria East Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1060   | Install Stone - Cafeteria East Elevation   | 10                 | 28-Dec-20 | 11-Jan-21 | ■ Install Stone - Cafeteria East Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1080   | Washdown Masonry - Cafeteria East Elevation  | 4                  | 12-Jan-21 | 15-Jan-21 | ■ Washdown Masonry - Cafeteria East Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1120   | Install Metal Panel System at Canopy - Cafeteria East Elevation                      | 10                 | 19-Jan-21 | 01-Feb-21 | ■ Install Metal Panel System at Canopy - Cafeteria East Elevation                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1090   | Remove Staging - Cafeteria East Elevation  | 5                  | 02-Feb-21 | 08-Feb-21 | ■ Remove Staging - Cafeteria East Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CE-1100   | Caulk Facade - Cafeteria East Elevation  | 5                  | 09-Feb-21 | 16-Feb-21 | ■ Caulk Facade - Cafeteria East Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Cafeteria North Elevation (CL 1 to 17.2)</b> |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1110   | Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria North Elevation | 15                 | 29-Sep-20 | 20-Oct-20 | ■ Install & Adjust Metal Relieving Angle at Perimeter Curb - Cafeteria North Elevation |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1000   | Frame Canopy - Cafeteria North Elevation   | 20                 | 10-Nov-20 | 10-Dec-20 | ■ Frame Canopy - Cafeteria North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1010   | Sheath Canopy - Cafeteria North Elevation  | 20                 | 25-Nov-20 | 24-Dec-20 | ■ Sheath Canopy - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1020   | Install AVB - Cafeteria North Elevation  | 15                 | 11-Dec-20 | 04-Jan-21 | ■ Install AVB - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1030   | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria North Elevation    | 15                 | 17-Dec-20 | 08-Jan-21 | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria North Elevation    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1040   | Install Curtain Wall - Cafeteria North Elevation                                     | 45                 | 24-Dec-20 | 02-Mar-21 | ■ Install Curtain Wall - Cafeteria North Elevation                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1050   | Install Staging - Cafeteria North Elevation  | 10                 | 24-Feb-21 | 09-Mar-21 | ■ Install Staging - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1060   | Install Stone along CL B - Cafeteria North Elevation                                 | 11                 | 03-Mar-21 | 17-Mar-21 | ■ Install Stone along CL B - Cafeteria North Elevation                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID                                   | Activity Name   | Remaining Duration | Start     | Finish    | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021  |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|---|---|--------------------|-----------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|   |   |                    |           |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun   | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|   |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1065                                       | Install Stone along Porch - Cafeteria North Elevation   | 10                 | 18-Mar-21 | 31-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Stone along Porch - Cafeteria North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1080                                       | Washdown Masonry - Cafeteria North Elevation  | 4                  | 01-Apr-21 | 06-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Washdown Masonry - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1170                                       | Remove Staging for Masonry - Cafeteria North Elevation  | 5                  | 07-Apr-21 | 13-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Remove Staging for Masonry - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1180                                       | Install Staging for Upper Canopy - Cafeteria North Elevation  | 10                 | 09-Apr-21 | 23-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Staging for Upper Canopy - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1120                                       | Install Metal Panel System at Upper Canopy - Cafeteria North Elevation  | 20                 | 26-Apr-21 | 21-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Metal Panel System at Upper Canopy - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1090                                       | Remove Staging for Upper Canopy - Cafeteria North Elevation   | 5                  | 24-May-21 | 28-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Remove Staging for Upper Canopy - Cafeteria North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1160                                       | Frame & Sheath Lower Canopy - Cafeteria North Elevation   | 5                  | 01-Jun-21 | 07-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Frame & Sheath Lower Canopy - Cafeteria North Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1150                                       | Install Metal Panel System at Lower Canopy - Cafeteria North Elevation  | 5                  | 08-Jun-21 | 14-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Metal Panel System at Lower Canopy - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1100                                       | Caulk Facade - Cafeteria North Elevation  | 5                  | 15-Jun-21 | 21-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Caulk Facade - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1190                                       | Waterproof Porch - Cafeteria North Elevation  | 10                 | 22-Jun-21 | 06-Jul-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Waterproof Porch - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1130                                       | Install Granite Treads - Cafeteria North Elevation  | 15                 | 07-Jul-21 | 27-Jul-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Granite Treads - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1200                                       | Install Granite Pavers - Cafeteria North Elevation  | 10                 | 28-Jul-21 | 10-Aug-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Granite Pavers - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CN-1140                                       | Install Metal Railings - Cafeteria North Elevation  | 15                 | 11-Aug-21 | 31-Aug-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Metal Railings - Cafeteria North Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Cafeteria West Elevation (CL A.5 to D)</b> |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1000                                       | Frame Canopy - Cafeteria West Elevation   | 5                  | 11-Dec-20 | 17-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Frame Canopy - Cafeteria West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1010                                       | Sheath Canopy - Cafeteria West Elevation  | 5                  | 28-Dec-20 | 04-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Sheath Canopy - Cafeteria West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1020                                       | Install AVB - Cafeteria West Elevation  | 5                  | 05-Jan-21 | 11-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install AVB - Cafeteria West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1030                                       | Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria West Elevation                              | 5                  | 12-Jan-21 | 19-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Prep Openings & Install Starter Sill for Curtain Wall - Cafeteria West Elevation                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1046                                       | Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 1)                                       | 2                  | 20-Feb-21 | 21-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 1)                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1210                                       | Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 2)                                       | 2                  | 27-Feb-21 | 28-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Curtain Wall over Tracks - Cafeteria West Elevation (Weekend 2)                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1040                                       | Install Curtain Wall - Cafeteria West Elevation including White Box (Weekday)                                 | 16                 | 03-Mar-21 | 24-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Curtain Wall - Cafeteria West Elevation including White Box (Weekday)                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1060                                       | Install Stone - Cafeteria West Elevation  | 2                  | 01-Apr-21 | 02-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Stone - Cafeteria West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1080                                       | Washdown Masonry - Cafeteria West Elevation   | 1                  | 05-Apr-21 | 05-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Washdown Masonry - Cafeteria West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1180                                       | Install Staging for Upper Canopy - Cafeteria West Elevation   | 2                  | 26-Apr-21 | 27-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Staging for Upper Canopy - Cafeteria West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1120                                       | Install Metal Panel System at Upper Canopy - Cafeteria West Elevation   | 5                  | 24-May-21 | 28-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Metal Panel System at Upper Canopy - Cafeteria West Elevation   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| CW-1090                                       | Remove Staging for Upper Canopy - Cafeteria West Elevation  | 2                  | 01-Jun-21 | 02-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Remove Staging for Upper Canopy - Cafeteria West Elevation  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Elevators</b>                              |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| ELEV-1000                                     | Build Elevator Shafts - South   | 20                 | 15-Oct-20 | 12-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Build Elevator Shafts - South   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| ELEV-1010                                     | Install Elevators - South   | 60                 | 13-Nov-20 | 11-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Elevators - South   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| ELEV-1020                                     | Build Elevator Shaft - North  | 10                 | 18-Mar-21 | 31-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Build Elevator Shaft - North  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| ELEV-1030                                     | Install Elevators - North   | 60                 | 01-Apr-21 | 25-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Elevators - North   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>MEP Systems</b>                            |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1500                                      | Build Walls - Garden Level Mechanical & Electrical Rooms  | 15                 | 19-Oct-20 | 06-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Build Walls - Garden Level Mechanical & Electrical Rooms  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1510                                      | FRP Equipment Pads - Garden Level Mechanical & Electrical Rooms   | 5                  | 09-Nov-20 | 16-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ FRP Equipment Pads - Garden Level Mechanical & Electrical Rooms   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Hot Water</b>                              |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Garden Level</b>                           |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2050                                      | Rig & Set Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System  | 2                  | 17-Nov-20 | 18-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Rig & Set Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3350                                      | Install Mechanical Piping to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                     | 20                 | 19-Nov-20 | 18-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Mechanical Piping to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3400                                      | Install Electrical Conduits & Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System          | 15                 | 21-Dec-20 | 12-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Electrical Conduits & Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3360                                      | Install Controls Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                       | 10                 | 13-Jan-21 | 27-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Controls Wiring to Boilers (B-1/2/3) & Expansion Tank (ET-2) - Hot Water System                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3370                                      | Fill, Flush & Treat Piping - Hot Water System   | 5                  | 28-Jan-21 | 03-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Fill, Flush & Treat Piping - Hot Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3380                                      | Insulate Piping - Hot Water System  | 20                 | 04-Feb-21 | 04-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Insulate Piping - Hot Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3390                                      | Start-up & Test - Hot Water System  | 15                 | 17-Feb-21 | 09-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Start-up & Test - Hot Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Chilled Water</b>                          |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Roof</b>                                   |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2000                                      | Rig & Set Chiller (CH-1) at Roof - Chilled Water System   | 2                  | 23-Sep-20 | 24-Sep-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Rig & Set Chiller (CH-1) at Roof - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2010                                      | Install Mechanical Piping to Chiller (CH-1) - Chilled Water System  | 20                 | 25-Sep-20 | 23-Oct-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Mechanical Piping to Chiller (CH-1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2020                                      | Install Electrical Conduits & Wiring to Chiller (CH-1) - Chilled Water System                                 | 15                 | 26-Oct-20 | 16-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Electrical Conduits & Wiring to Chiller (CH-1) - Chilled Water System                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2030                                      | Install Controls Wiring to Chiller (CH-1) - Chilled Water System  | 10                 | 17-Nov-20 | 02-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Controls Wiring to Chiller (CH-1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Garden Level</b>                           |   |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2040                                      | Rig & Set Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                    | 2                  | 19-Nov-20 | 20-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Rig & Set Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3200                                      | Rig & Set Glycol Feed System (GFT-1) - Chilled Water System   | 2                  | 23-Nov-20 | 24-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Rig & Set Glycol Feed System (GFT-1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3170                                      | Install Mechanical Piping to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System | 20                 | 07-Dec-20 | 05-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■ Install Mechanical Piping to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID  | Activity Name   | Remaining Duration | Start     | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|--|---|--------------------|-----------|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|  |   |                    |           |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3180   | Install Electrical Conduits & Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion T.  | 15                 | 29-Dec-20 | 20-Jan-21 | ■ Install Electrical Conduits & Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3210   | Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System            | 5                  | 06-Jan-21 | 12-Jan-21 | ■ Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3220   | Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System             | 5                  | 21-Jan-21 | 27-Jan-21 | ■ Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3190   | Install Controls Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) -    | 10                 | 21-Jan-21 | 03-Feb-21 | ■ Install Controls Wiring to Chilled Water Pumps (GCHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3230   | Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System              | 5                  | 04-Feb-21 | 10-Feb-21 | ■ Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3320   | Fill, Flush & Treat Piping - Chilled Water System   | 5                  | 11-Feb-21 | 18-Feb-21 | ■ Fill, Flush & Treat Piping - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3330   | Insulate Piping - Chilled Water System  | 20                 | 19-Feb-21 | 18-Mar-21 | ■ Insulate Piping - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3340   | Start-up & Test - Chilled Water System  | 15                 | 05-Mar-21 | 25-Mar-21 | ■ Start-up & Test - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Air Handling</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Garden Level</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>AHU-3 (Kitchen) &amp; AHU-4 (Cafe/Servery)</b>            |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2060   | Rig & Set - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  | 2                  | 25-Nov-20 | 30-Nov-20 | ■ Rig & Set - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-2070   | Install Ductwork Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)                     | 15                 | 11-Dec-20 | 04-Jan-21 | ■ Install Ductwork Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3410   | Install Mechanical Piping Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)            | 15                 | 28-Dec-20 | 19-Jan-21 | ■ Install Mechanical Piping Connections - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3420   | Install Electrical Conduits & Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)             | 15                 | 12-Jan-21 | 02-Feb-21 | ■ Install Electrical Conduits & Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3430   | Install Controls Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)                          | 10                 | 03-Feb-21 | 17-Feb-21 | ■ Install Controls Wiring - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3440   | Start-up & Test - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)                                  | 5                  | 16-Apr-21 | 23-Apr-21 | ■ Start-up & Test - AHU-3 (Kitchen) & AHU-4 (Cafe/Servery)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Roof</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>AHU-5 (Class Northeast) &amp; AHU-6 (Class Northwest)</b> |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3450   | Rig & Set - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                             | 1                  | 25-Sep-20 | 25-Sep-20 | ■ Rig & Set - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3460   | Install Ductwork Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)          | 15                 | 28-Sep-20 | 19-Oct-20 | ■ Install Ductwork Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3470   | Install Mechanical Piping Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest) | 15                 | 13-Oct-20 | 02-Nov-20 | ■ Install Mechanical Piping Connections - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3480   | Install Electrical Conduits & Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  | 15                 | 27-Oct-20 | 17-Nov-20 | ■ Install Electrical Conduits & Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3490   | Install Controls Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)               | 10                 | 18-Nov-20 | 03-Dec-20 | ■ Install Controls Wiring - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3500   | Start-up & Test - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)                       | 5                  | 26-Mar-21 | 01-Apr-21 | ■ Start-up & Test - AHU-5 (Class Northeast) & AHU-6 (Class Northwest)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>AHU-7 (Class Southeast) &amp; AHU-8 (Class South)</b>     |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3510   | Rig & Set - AHU-7 (Class Southeast) & AHU-8 (Class South)                                 | 1                  | 28-Sep-20 | 28-Sep-20 | ■ Rig & Set - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3520   | Install Ductwork Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)              | 15                 | 13-Oct-20 | 02-Nov-20 | ■ Install Ductwork Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3530   | Install Mechanical Piping Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)     | 15                 | 27-Oct-20 | 17-Nov-20 | ■ Install Mechanical Piping Connections - AHU-7 (Class Southeast) & AHU-8 (Class South)                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3540   | Install Electrical Conduits & Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)      | 15                 | 10-Nov-20 | 03-Dec-20 | ■ Install Electrical Conduits & Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3550   | Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)                   | 10                 | 04-Dec-20 | 17-Dec-20 | ■ Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3560   | Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                           | 5                  | 02-Apr-21 | 08-Apr-21 | ■ Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>AHU-1 (White Box) &amp; AHU-2 (Library)</b>               |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3570   | Rig & Set - AHU-1 (White Box) & AHU-2 (Library)   | 1                  | 29-Sep-20 | 29-Sep-20 | ■ Rig & Set - AHU-1 (White Box) & AHU-2 (Library)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3580   | Install Ductwork Connections - AHU-1 (White Box) & AHU-2 (Library)                        | 15                 | 27-Oct-20 | 17-Nov-20 | ■ Install Ductwork Connections - AHU-1 (White Box) & AHU-2 (Library)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3590   | Install Mechanical Piping Connections - AHU-1 (White Box) & AHU-2 (Library)               | 15                 | 10-Nov-20 | 03-Dec-20 | ■ Install Mechanical Piping Connections - AHU-1 (White Box) & AHU-2 (Library)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3600   | Install Electrical Conduits & Wiring - AHU-1 (White Box) & AHU-2 (Library)                | 15                 | 25-Nov-20 | 17-Dec-20 | ■ Install Electrical Conduits & Wiring - AHU-1 (White Box) & AHU-2 (Library)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3610   | Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)                   | 10                 | 18-Dec-20 | 04-Jan-21 | ■ Install Controls Wiring - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3620   | Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)                           | 5                  | 09-Apr-21 | 15-Apr-21 | ■ Start-up & Test - AHU-7 (Class Southeast) & AHU-8 (Class South)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Domestic Water</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3630   | Rig & Set - Domestic Water Heaters (DMH-1/2)  | 2                  | 25-Nov-20 | 30-Nov-20 | ■ Rig & Set - Domestic Water Heaters (DMH-1/2)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3640   | Install Plumbing Connections - Domestic Water Heaters (DMH-1/2)                           | 20                 | 01-Dec-20 | 29-Dec-20 | ■ Install Plumbing Connections - Domestic Water Heaters (DMH-1/2)  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3650   | Test Piping - Domestic Water Heaters (DMH-1/2)  | 5                  | 26-Feb-21 | 04-Mar-21 | ■ Test Piping - Domestic Water Heaters (DMH-1/2)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3660   | Insulate Piping - Domestic Water Heaters (DMH-1/2)  | 15                 | 05-Mar-21 | 25-Mar-21 | ■ Insulate Piping - Domestic Water Heaters (DMH-1/2)   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Electrical</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Garden Level</b>  |   |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3240   | Install Overhead Conduits & Electrical Panels - Permanent Power                           | 15                 | 17-Nov-20 | 09-Dec-20 | ■ Install Overhead Conduits & Electrical Panels - Permanent Power  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3250   | Rig, Set & Assemble Switchgear - Permanent Power  | 10                 | 10-Dec-20 | 23-Dec-20 | ■ Rig, Set & Assemble Switchgear - Permanent Power   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3290   | Install Doors & Secure Room - Permanent Power   | 10                 | 24-Dec-20 | 08-Jan-21 | ■ Install Doors & Secure Room - Permanent Power  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3260   | Wire & Terminate Panels & Switchgear - Permanent Power                                    | 20                 | 24-Dec-20 | 25-Jan-21 | ■ Wire & Terminate Panels & Switchgear - Permanent Power   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3270   | Pull Conductors & Terminate - Permanent Power   | 5                  | 26-Jan-21 | 01-Feb-21 | ■ Pull Conductors & Terminate - Permanent Power  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3280   | Test Switchgear - Permanent Power   | 5                  | 02-Feb-21 | 08-Feb-21 | ■ Test Switchgear - Permanent Power  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3300   | Energize Switchgear - Permanent Power   | 5                  | 09-Feb-21 | 16-Feb-21 | ■ Energize Switchgear - Permanent Power  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort    ■ Remaining Work  
■ Actual Level of Effort    ■ Critical Remaining Work  
■ Actual Work    ◆ Milestone



| Activity ID      | Activity Name  | Remaining Duration | Start     | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|------------------|--|--------------------|-----------|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                  |  |                    |           |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                  |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-3310         | Permanent Power Available  | 0                  |           | 16-Feb-21 | ◆ Permanent Power Available  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Interiors</b> |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1000         | MEP & Architectural Rough-in - L1                                  | 91                 | 22-Sep-20 | 04-Feb-21 | MEP & Architectural Rough-in - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1010         | MEP & Architectural Rough-in - L2                                  | 62                 | 06-Oct-20 | 07-Jan-21 | MEP & Architectural Rough-in - L2                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1040         | MEP & Architectural Rough-in - Garden Level                        | 99                 | 19-Oct-20 | 15-Mar-21 | MEP & Architectural Rough-in - Garden Level                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1020         | MEP & Architectural Rough-in - L3                                  | 67                 | 21-Oct-20 | 29-Jan-21 | MEP & Architectural Rough-in - L3                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| MEP-1030         | MEP & Architectural Rough-in - L4                                  | 72                 | 04-Nov-20 | 22-Feb-21 | MEP & Architectural Rough-in - L4                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INT-1000         | Interior Drywall & Finishes - L1                                   | 98                 | 18-Mar-21 | 05-Aug-21 | Interior Drywall & Finishes - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INT-1010         | Interior Drywall & Finishes - L2                                   | 118                | 01-Apr-21 | 17-Sep-21 | Interior Drywall & Finishes - L2                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INT-1020         | Interior Drywall & Finishes - L3                                   | 123                | 15-Apr-21 | 08-Oct-21 | Interior Drywall & Finishes - L3                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INT-1030         | Interior Drywall & Finishes - L4                                   | 128                | 30-Apr-21 | 01-Nov-21 | Interior Drywall & Finishes - L4                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INT-1040         | Interior Drywall & Finishes - Garden Level                         | 120                | 14-May-21 | 03-Nov-21 | Interior Drywall & Finishes - Garden Level                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Level 1</b>   |  |                    |           |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1010          | Install MEP Risers - L1  | 10                 | 22-Sep-20 | 05-Oct-20 | ■ Install MEP Risers - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1000          | Install Tube Steel Wall Supports - L1                              | 5                  | 06-Oct-20 | 13-Oct-20 | ■ Install Tube Steel Wall Supports - L1                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1020          | Rough-in Overhead Ductwork - L1                                    | 15                 | 06-Oct-20 | 27-Oct-20 | ■ Rough-in Overhead Ductwork - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1030          | Rough-in Overhead Plumbing - L1                                    | 15                 | 06-Oct-20 | 27-Oct-20 | ■ Rough-in Overhead Plumbing - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1040          | Rough-in Overhead Mechanical Piping - L1                           | 15                 | 14-Oct-20 | 03-Nov-20 | ■ Rough-in Overhead Mechanical Piping - L1                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1050          | Rough-in Overhead Electrical Conduit - L1                          | 20                 | 14-Oct-20 | 10-Nov-20 | ■ Rough-in Overhead Electrical Conduit - L1                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1060          | Frame Electrical Closets - L1                                      | 3                  | 28-Oct-20 | 30-Oct-20 | ■ Frame Electrical Closets - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1070          | Rough Fire Protection - L1   | 10                 | 28-Oct-20 | 10-Nov-20 | ■ Rough Fire Protection - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1130          | Install Above Ceiling Mechanical Equipment - L1                    | 10                 | 28-Oct-20 | 10-Nov-20 | ■ Install Above Ceiling Mechanical Equipment - L1                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1080          | Board & Tape Electrical Closets - L1                               | 5                  | 02-Nov-20 | 06-Nov-20 | ■ Board & Tape Electrical Closets - L1                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1090          | Frame Interior Walls - L1  | 10                 | 04-Nov-20 | 18-Nov-20 | ■ Frame Interior Walls - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1450          | Insulate Overhead Mechanical Piping & HVAC Ductwork - L1           | 15                 | 04-Nov-20 | 25-Nov-20 | ■ Insulate Overhead Mechanical Piping & HVAC Ductwork - L1           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1120          | Set Door Frames - L1   | 5                  | 09-Nov-20 | 16-Nov-20 | ■ Set Door Frames - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1110          | Rough-in Plumbing In-Wall - L1                                     | 10                 | 12-Nov-20 | 25-Nov-20 | ■ Rough-in Plumbing In-Wall - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1100          | Frame Soffits - L1   | 10                 | 17-Nov-20 | 02-Dec-20 | ■ Frame Soffits - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1140          | Rough-in Electrical In-Wall & Pull Branch Circuits - L1            | 15                 | 19-Nov-20 | 11-Dec-20 | ■ Rough-in Electrical In-Wall & Pull Branch Circuits - L1            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1150          | Rough-in Low Voltage In-Wall & Pull Wire - L1                      | 15                 | 19-Nov-20 | 11-Dec-20 | ■ Rough-in Low Voltage In-Wall & Pull Wire - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1160          | Perform Wall & Ceiling Punch List & Inspections - L1               | 10                 | 11-Dec-20 | 24-Dec-20 | ■ Perform Wall & Ceiling Punch List & Inspections - L1               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1170          | Perform In-Wall Inspections with Town - L1                         | 2                  | 14-Dec-20 | 15-Dec-20 | ■ Perform In-Wall Inspections with Town - L1                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1180          | Install Wood Blocking - L1   | 5                  | 16-Dec-20 | 22-Dec-20 | ■ Install Wood Blocking - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1330          | Insulate In-Wall Piping - L1                                       | 5                  | 16-Dec-20 | 22-Dec-20 | ■ Insulate In-Wall Piping - L1                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1190          | Board Walls & Soffits - L1   | 10                 | 18-Mar-21 | 31-Mar-21 | ■ Board Walls & Soffits - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1210          | Tape Walls & Soffits - L1  | 10                 | 25-Mar-21 | 07-Apr-21 | ■ Tape Walls & Soffits - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3050          | Field Measure & Fab Interior Glass - L1                            | 20                 | 25-Mar-21 | 22-Apr-21 | ■ Field Measure & Fab Interior Glass - L1                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1220          | Prime & 1st Coat walls - L1  | 6                  | 08-Apr-21 | 15-Apr-21 | ■ Prime & 1st Coat walls - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1230          | Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L1 | 10                 | 13-Apr-21 | 27-Apr-21 | ■ Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L1 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-3060          | Install Wal Tile at Corridors - L1                                 | 10                 | 13-Apr-21 | 27-Apr-21 | ■ Install Wal Tile at Corridors - L1                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1240          | Install MEP Drops at Classrooms & Offices - L1                     | 10                 | 21-Apr-21 | 04-May-21 | ■ Install MEP Drops at Classrooms & Offices - L1                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1250          | Install Storefront Frames - L1                                     | 10                 | 28-Apr-21 | 11-May-21 | ■ Install Storefront Frames - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1260          | Install Millwork at Classrooms & Offices - L1                      | 10                 | 05-May-21 | 18-May-21 | ■ Install Millwork at Classrooms & Offices - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1440          | Install Teledata Finishes & Terminations - L1                      | 10                 | 05-May-21 | 18-May-21 | ■ Install Teledata Finishes & Terminations - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1390          | Install Interior Glazing - L1                                      | 10                 | 12-May-21 | 25-May-21 | ■ Install Interior Glazing - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1445          | Install Fintube Radiators - L1                                     | 10                 | 12-May-21 | 25-May-21 | ■ Install Fintube Radiators - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1275          | Install Simulated Wood Aluminum Ceiling Panel System - L1          | 15                 | 12-May-21 | 02-Jun-21 | ■ Install Simulated Wood Aluminum Ceiling Panel System - L1          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1270          | Install Ceiling Grid & Cut/DeviceTies at Corridors - L1            | 5                  | 19-May-21 | 25-May-21 | ■ Install Ceiling Grid & Cut/DeviceTies at Corridors - L1            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1370          | Install Doors & Hardware - L1                                      | 5                  | 19-May-21 | 25-May-21 | ■ Install Doors & Hardware - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1380          | Install Flooring at Classrooms & Offices - L1                      | 10                 | 19-May-21 | 02-Jun-21 | ■ Install Flooring at Classrooms & Offices - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1280          | Install MEP Drops at Corridors - L1                                | 8                  | 26-May-21 | 07-Jun-21 | ■ Install MEP Drops at Corridors - L1                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1285          | Install Fintube Covers - L1  | 10                 | 26-May-21 | 09-Jun-21 | ■ Install Fintube Covers - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L1-1430          | Install Fire Alarm Devices - L1                                    | 5                  | 03-Jun-21 | 09-Jun-21 | ■ Install Fire Alarm Devices - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort    █ Critical Remaining Work  
█ Actual Work    ◆ Milestone













| Activity ID      | Activity Name  | Remaining Duration | Start     | Finish    | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021 |  |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|------------------|--|--------------------|-----------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|                  |  |                    |           |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul  | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|                  |  |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |      |  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1030          | Rough-in Overhead Plumbing - L3                                    | 15                 | 19-Nov-20 | 11-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Overhead Plumbing - L3                                    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1040          | Rough-in Overhead Mechanical Piping - L3                           | 15                 | 30-Nov-20 | 18-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Overhead Mechanical Piping - L3                           |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1050          | Rough-in Overhead Electrical Conduit - L3                          | 20                 | 30-Nov-20 | 28-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Overhead Electrical Conduit - L3                          |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1060          | Frame Electrical Closets - L3                                      | 3                  | 14-Dec-20 | 16-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Frame Electrical Closets - L3                                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1070          | Rough Fire Protection - L3   | 10                 | 14-Dec-20 | 28-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough Fire Protection - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1130          | Install Above Ceiling Mechanical Equipment - L3                    | 10                 | 14-Dec-20 | 28-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Above Ceiling Mechanical Equipment - L3                    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1080          | Board & Tape Electrical Closets - L3                               | 5                  | 17-Dec-20 | 23-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Board & Tape Electrical Closets - L3                               |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1090          | Frame Interior Walls - L3  | 10                 | 21-Dec-20 | 05-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Frame Interior Walls - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1450          | Insulate Overhead Mechanical Piping & HVAC Ductwork - L3           | 15                 | 21-Dec-20 | 12-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Insulate Overhead Mechanical Piping & HVAC Ductwork - L3           |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1120          | Set Door Frames - L3   | 5                  | 24-Dec-20 | 31-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Set Door Frames - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1110          | Rough-in Plumbing In-Wall - L3                                     | 10                 | 29-Dec-20 | 12-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Plumbing In-Wall - L3                                     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1100          | Frame Soffits - L3   | 10                 | 04-Jan-21 | 15-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Frame Soffits - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1140          | Rough-in Electrical In-Wall & Pull Branch Circuits - L3            | 15                 | 06-Jan-21 | 27-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Electrical In-Wall & Pull Branch Circuits - L3            |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1150          | Rough-in Low Voltage In-Wall & Pull Wire - L3                      | 15                 | 06-Jan-21 | 27-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Rough-in Low Voltage In-Wall & Pull Wire - L3                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1160          | Perform Wall & Ceiling Punch List & Inspections - L3               | 10                 | 27-Jan-21 | 09-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Perform Wall & Ceiling Punch List & Inspections - L3               |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1170          | Perform In-Wall Inspections with Town - L3                         | 2                  | 28-Jan-21 | 29-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Perform In-Wall Inspections with Town - L3                         |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1180          | Install Wood Blocking - L3   | 5                  | 01-Feb-21 | 05-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Wood Blocking - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1330          | Insulate In-Wall Piping - L3                                       | 5                  | 01-Feb-21 | 05-Feb-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Insulate In-Wall Piping - L3                                       |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1335          | Install Steel Tube Grid at Physics Classrooms - L3                 | 20                 | 18-Mar-21 | 14-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Steel Tube Grid at Physics Classrooms - L3                 |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1190          | Board Walls & Soffits - L3   | 10                 | 15-Apr-21 | 29-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Board Walls & Soffits - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1210          | Tape Walls & Soffits - L3  | 10                 | 23-Apr-21 | 06-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Tape Walls & Soffits - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-3050          | Field Measure & Fab Interior Glass - L3                            | 20                 | 23-Apr-21 | 20-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Field Measure & Fab Interior Glass - L3                            |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1220          | Prime & 1st Coat walls - L3  | 6                  | 07-May-21 | 14-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Prime & 1st Coat walls - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1230          | Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L3 | 10                 | 12-May-21 | 25-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L3 |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-3060          | Install Wall Tile at Corridors - L3                                | 10                 | 12-May-21 | 25-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Wall Tile at Corridors - L3                                |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1240          | Install MEP Drops at Classrooms & Offices - L3                     | 10                 | 19-May-21 | 02-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install MEP Drops at Classrooms & Offices - L3                     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1250          | Install Storefront Frames - L3                                     | 10                 | 26-May-21 | 09-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Storefront Frames - L3                                     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1260          | Install Millwork at Classrooms & Offices - L3                      | 10                 | 03-Jun-21 | 16-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Millwork at Classrooms & Offices - L3                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1440          | Install Teledata Finishes & Terminations - L3                      | 10                 | 03-Jun-21 | 16-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Teledata Finishes & Terminations - L3                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-3070          | Install Laboratory Casework at Classrooms - L3                     | 10                 | 03-Jun-21 | 16-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Laboratory Casework at Classrooms - L3                     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1390          | Install Interior Glazing - L3                                      | 10                 | 10-Jun-21 | 23-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Interior Glazing - L3                                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1445          | Install Fintube Radiators - L3                                     | 10                 | 10-Jun-21 | 23-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Fintube Radiators - L3                                     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1270          | Install Ceiling Grid & Cut/DeviceTies at Corridors - L3            | 5                  | 17-Jun-21 | 23-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Ceiling Grid & Cut/DeviceTies at Corridors - L3            |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1370          | Install Doors & Hardware - L3                                      | 5                  | 17-Jun-21 | 23-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Doors & Hardware - L3                                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1380          | Install Flooring at Classrooms & Offices - L3                      | 10                 | 17-Jun-21 | 30-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Flooring at Classrooms & Offices - L3                      |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1375          | Install Garage Doors at Physics Classrooms - L3                    | 3                  | 24-Jun-21 | 28-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Garage Doors at Physics Classrooms - L3                    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1430          | Install Fire Alarm Devices - L3                                    | 5                  | 24-Jun-21 | 30-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Fire Alarm Devices - L3                                    |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1280          | Install MEP Drops at Corridors - L3                                | 8                  | 24-Jun-21 | 06-Jul-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install MEP Drops at Corridors - L3                                |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1285          | Install Fintube Covers - L3  | 10                 | 24-Jun-21 | 08-Jul-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Fintube Covers - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1300          | Install Terrazzo at Corridors - L3                                 | 20                 | 06-Aug-21 | 02-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Terrazzo at Corridors - L3                                 |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1360          | Install Terrazzo Base at Corridors - L3                            | 10                 | 27-Aug-21 | 10-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Terrazzo Base at Corridors - L3                            |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1310          | Install Lockers - L3   | 5                  | 13-Sep-21 | 17-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Lockers - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1320          | Install AV - L3  | 5                  | 13-Sep-21 | 17-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install AV - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1340          | Install Whiteboards & Tack Boards - L3                             | 5                  | 13-Sep-21 | 17-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Whiteboards & Tack Boards - L3                             |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1350          | Install Window Shades - L3   | 5                  | 13-Sep-21 | 17-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Install Window Shades - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1400          | Construction Cleaning - L3   | 5                  | 20-Sep-21 | 24-Sep-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Construction Cleaning - L3   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1290          | Balance HVAC - L3  | 5                  | 27-Sep-21 | 01-Oct-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Balance HVAC - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1410          | Skanska Punch List - L3  | 5                  | 27-Sep-21 | 01-Oct-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Skanska Punch List - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1420          | Architect Punch List - L3  | 5                  | 04-Oct-21 | 08-Oct-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Architect Punch List - L3  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Bathrooms</b> |  |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |      |  |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1600          | Board & Install Cement Board - L3 Bathrooms                        | 5                  | 15-Apr-21 | 22-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Board & Install Cement Board - L3 Bathrooms                        |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1605          | Tape & Finish - L3 Bathrooms                                       | 5                  | 23-Apr-21 | 29-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Tape & Finish - L3 Bathrooms                                       |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| L3-1610          | Prime Paint - L3 Bathrooms   | 3                  | 30-Apr-21 | 04-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | ■    | Prime Paint - L3 Bathrooms   |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

█ Remaining Level of Effort     Remaining Work  
 Actual Level of Effort     Critical Remaining Work  
 Actual Work                      ◆ ◆ Milestone













| Activity ID  | Activity Name   | Remaining Duration | Start     | Finish     | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  |
|--|---|--------------------|-----------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|
|  |   |                    |           |            | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |
|  |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1240   | Acquire GSA Permit  | 1                  | 08-Sep-21 | 08-Sep-21  | Acquire GSA Permit   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>BDA Testing</b>                                       |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1330   | Test Bi-Directional Amplifier                                   | 1                  | 14-Sep-21 | 14-Sep-21  | Test Bi-Directional Amplifier                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Emergency Power System &amp; Power Outage Testing</b> |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1140   | Ceilings, Lights & Exit Signs Complete                          | 0                  |           | 13-Sep-21  | ◆ Ceilings, Lights & Exit Signs Complete                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1250   | Pre-test for Lights Out Testing                                 | 1                  | 14-Sep-21 | 14-Sep-21  | Pre-test for Lights Out Testing                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1300   | Correct Issues for Brookline Lights Out Testing                 | 2                  | 15-Sep-21 | 16-Sep-21  | ■ Correct Issues for Brookline Lights Out Testing                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1320   | Perform Lights Out Testing with Brookline                       | 1                  | 17-Sep-21 | 17-Sep-21  | Perform Lights Out Testing with Brookline                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Fire Alarm System</b>                                 |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1030   | Test Fire Alarm - Garden Level Devices, Speakers & Duct Smokes  | 2                  | 10-Sep-21 | 13-Sep-21  | ■ Test Fire Alarm - Garden Level Devices, Speakers & Duct Smokes |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1060   | NFPA 72 Fire Alarm Testing                                      | 9                  | 10-Sep-21 | 22-Sep-21  | ■ NFPA 72 Fire Alarm Testing                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1070   | Test Fire Alarm - L1 Devices, Speakers & Duct Smokes            | 2                  | 14-Sep-21 | 15-Sep-21  | Test Fire Alarm - L1 Devices, Speakers & Duct Smokes             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1090   | Test Fire Alarm - L2 Devices, Speakers & Duct Smokes            | 2                  | 16-Sep-21 | 17-Sep-21  | Test Fire Alarm - L2 Devices, Speakers & Duct Smokes             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1110   | Test Fire Alarm - L3 Devices, Speakers & Duct Smokes            | 2                  | 20-Sep-21 | 21-Sep-21  | Test Fire Alarm - L3 Devices, Speakers & Duct Smokes             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1260   | Test Fire Alarm - L4 Speakers & Duct Smokes                     | 1                  | 22-Sep-21 | 22-Sep-21  | Test Fire Alarm - L4 Speakers & Duct Smokes                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1370   | Submit Record of Completion (ROC) to Brookline                  | 5                  | 24-Sep-21 | 30-Sep-21  | ■ Submit Record of Completion (ROC) to Brookline                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1420   | Brookline ROC NFPA 72 Test                                      | 3                  | 01-Oct-21 | 05-Oct-21  | ■ Brookline ROC NFPA 72 Test                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Elevators</b>   |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1310   | Preliminary Test Elevator with Fire Alarm Recall                | 3                  | 20-Sep-21 | 22-Sep-21  | ■ Preliminary Test Elevator with Fire Alarm Recall               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1390   | Complete Elevator Cleaning & Adjustment for Inspection          | 10                 | 23-Sep-21 | 06-Oct-21  | ■ Complete Elevator Cleaning & Adjustment for Inspection         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1470   | Complete Phone Service to Elevators                             | 0                  |           | 06-Oct-21  | ◆ Complete Phone Service to Elevators                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1480   | State (Mass 524) Inspection & Signoff                           | 3                  | 07-Oct-21 | 12-Oct-21  | ■ State (Mass 524) Inspection & Signoff                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Fire Protection System</b>                            |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1000   | Flow Test Fire Protection System                                | 5                  | 14-Sep-21 | 20-Sep-21  | ■ Flow Test Fire Protection System                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1020   | Checkout Tampers & Flows  | 1                  | 21-Sep-21 | 21-Sep-21  | Checkout Tampers & Flows   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1350   | Test Stand Pipe & Floor Control Valves with PRVs - Stair 2      | 2                  | 22-Sep-21 | 23-Sep-21  | Test Stand Pipe & Floor Control Valves with PRVs - Stair 2       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1520   | Test Stand Pipe & Floor Control Valves with PRVs - Stair 3      | 2                  | 24-Sep-21 | 27-Sep-21  | Test Stand Pipe & Floor Control Valves with PRVs - Stair 3       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1450   | Brookline Fire Protection Test                                  | 1                  | 06-Oct-21 | 06-Oct-21  | Brookline Fire Protection Test                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| <b>Final Inspections &amp; C of O</b>                    |   |                    |           |            |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1230   | Final Plumbing Signoff  | 1                  | 08-Sep-21 | 08-Sep-21  | Final Plumbing Signoff   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1340   | Final Electrical Signoff  | 1                  | 20-Sep-21 | 20-Sep-21  | Final Electrical Signoff   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INSP-1030  | Owner Install FF&E  | 10                 | 27-Sep-21 | 08-Oct-21  | ■ Owner Install FF&E   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1490   | Final Life Safety Walk-thru                                     | 2                  | 26-Oct-21 | 27-Oct-21  | Final Life Safety Walk-thru                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| LSI-1460   | Receive Final Architectural, Mechanical & Structural Affidavits | 2                  | 04-Nov-21 | 05-Nov-21  | Receive Final Architectural, Mechanical & Structural Affidavits  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INSP-1010  | Final Building Sign Off Acquire C of O                          | 5                  | 08-Nov-21 | 15-Nov-21  | ■ Final Building Sign Off Acquire C of O                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |
| INSP-1020  | Substantial Completion - Project A: 111 Cypress Street          | 0                  |           | 15-Nov-21* | ◆ Substantial Completion - Project A: 111 Cypress Street         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |

■ Remaining Level of Effort     Remaining Work  
■ Actual Level of Effort       Critical Remaining Work  
■ Actual Work                      ◆ ◆ Milestone



| Activity ID   | Activity Name  | Remaining Duration | Start       | Finish     | 2020 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     | 2021 |     |     |     |     |  |  |  |  |  |  |  | 2022 |  |  |  |  |  |  |  |  |  |  |  | Jan |
|---|--|--------------------|-------------|------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|-----|
|   |  |                    |             |            | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
|   |  |                    |             |            | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug  | Sep | Oct | Nov | Dec |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Brookline High School - Project C - 06Jun20 R1 Schedule Update</b> |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Executive Summary</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| EXEC-1070   | Bid Period   | 28                 | 04-Mar-19 A | 16-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| EXEC-1060   | Construction Project C - Demo Roberts Wing & Build New STEM Wing | 270                | 21-Aug-19 A | 07-Jul-21  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| EXEC-1320   | Construction Project C - Owner Install FF&E New STEM Wing        | 10                 | 27-May-21   | 10-Jun-21  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| EXEC-1310   | Summary - STEM Interim Completion Date                           | 0                  |             | 07-Jul-21  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Work Order Milestones</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| EXEC-1390   | Last Day for STEM Fire, Water & Sewer Service Installation       | 0                  |             | 30-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>BHS Academic Calendar</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1050  | Last Day of School - 2019/2020                                   | 0                  |             | 22-Jun-20* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1060  | First Day of School - 2020/2021                                  | 0                  |             | 03-Sep-20* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1070  | December Break - 2020  | 8                  | 25-Dec-20*  | 01-Jan-21* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1080  | February Break - 2021  | 5                  | 15-Feb-21*  | 19-Feb-21* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1090  | April Break - 2021   | 5                  | 19-Apr-21*  | 23-Apr-21* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1100  | Last Day of School - 2020/2021                                   | 0                  |             | 22-Jun-21* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| BHS-1110  | First Day of School - 2021//2022                                 | 0                  |             | 02-Sep-21* |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Design / Preconstruction Phase</b>                                 |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>GMP (Project C Only)</b>   |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRE-1180  | Review & Execute - GMP   | 20                 | 16-Mar-20 A | 06-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRE-1190  | Agreement Executed - GMP   | 0                  |             | 06-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Procurement</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Design Assist</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Curtain Wall Design Assist</b>                                     |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-1460  | Fab & Available for Delivery - Curtain Wall                      | 11                 | 29-Jan-20 A | 22-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Remaining Procurement Post CDs (Trade Contractors)</b>             |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Plumbing (Trade Contractor)</b>                                    |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-4700  | Fab/Deliver Equipment - Plumbing Fixtures                        | 32                 | 04-May-20 A | 22-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>HVAC (Trade Contractor)</b>  |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2200  | Fab/Deliver Equipment - HVAC RTUs                                | 18                 | 04-Feb-20 A | 01-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2220  | Fab/Deliver Equipment - Air Cooled Chiller                       | 50                 | 04-Feb-20 A | 17-Aug-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-4820  | Fab/Deliver Equipment - HVAC Exhaust Fans                        | 50                 | 14-Feb-20 A | 17-Aug-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-4870  | Fab/Deliver Equipment - HVAC Pumps                               | 18                 | 07-Mar-20 A | 01-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2190  | Fab/Deliver Equipment - HVAC VRF Units                           | 50                 | 11-May-20 A | 17-Aug-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Electrical &amp; Communications (Trade Contractor)</b>             |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2320  | Fab/Deliver Equipment - Interior Lighting                        | 49                 | 02-Apr-20 A | 14-Aug-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Masonry (Trade Contractor)</b>                                     |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2010  | Fab & Available for Delivery - Masonry (Brick)                   | 5                  | 06-Jan-20 A | 12-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Building AVB &amp; Caulking (Trade Contractor)</b>                 |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2560  | Fab & Available for Delivery - Building AVB & Caulking           | 5                  | 02-Mar-20 A | 12-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Roofing &amp; Flashing (Trade Contractor)</b>                      |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2590  | Subcontractor Issue Submittals - Roofing Metal Flashing & Trim   | 5                  | 18-May-20 A | 12-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2600  | Subcontractor Issue Submittals - Membrane Roofing                | 5                  | 18-May-20 A | 12-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2610  | A/E Review & Approve Submittals - Roofing Metal Flashing & Trim  | 0                  | 15-Jun-20   | 15-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2620  | A/E Review & Approve Submittals - Membrane Roofing               | 15                 | 15-Jun-20   | 06-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2640  | Fab & Available for Delivery - Roofing Metal Flashing & Trim     | 25                 | 15-Jun-20*  | 20-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2630  | Fab & Available for Delivery - Membrane Roofing                  | 20                 | 07-Jul-20*  | 03-Aug-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Painting (Trade Contractor)</b>                                    |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-7220  | A/E Review & Approve Submittals - Painting                       | 10                 | 29-May-20 A | 19-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-7210  | Fab & Available for Delivery - Painting                          | 10                 | 01-Jul-20*  | 15-Jul-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| <b>Interior Glass &amp; Glazing (Trade Contractor)</b>                |  |                    |             |            |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2700  | A/E Review & Approve Submittals - Interior Glass Mirrors         | 5                  | 27-Dec-19 A | 12-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |
| PRO-2690  | A/E Review & Approve Submittals - Interior Glass                 | 15                 | 08-Jun-20   | 26-Jun-20  |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |      |     |     |     |     |  |  |  |  |  |  |  |      |  |  |  |  |  |  |  |  |  |  |  |     |

Remaining Level of Effort    Remaining Work  
 Actual Level of Effort    Critical Remaining Work  
 Actual Work    Milestone





| Activity ID              | Activity Name  | Remaining Duration | Start       | Finish    | 2020   |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  | 23 |
|--------------------------|--|--------------------|-------------|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|----|
|                          |  |                    |             |           | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |    |
|                          |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5430                 | A/E Review & Approve Submittals - Overhead Doors & Fire Shutters | 15                 | 07-Jul-20   | 27-Jul-20 | A/E Review & Approve Submittals - Overhead Doors & Fire Shutters |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5420                 | Fab & Available for Delivery - Overhead Doors & Fire Shutters    | 65                 | 28-Jul-20   | 28-Oct-20 | Fab & Available for Delivery - Overhead Doors & Fire Shutters    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Epoxy Flooring</b>    |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3840                 | Subcontractor Issue Submittals - Epoxy Flooring                  | 5                  | 05-Feb-20 A | 12-Jun-20 | Subcontractor Issue Submittals - Epoxy Flooring                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3850                 | A/E Review & Approve Submittals - Epoxy Flooring                 | 10                 | 28-Feb-20 A | 26-Jun-20 | A/E Review & Approve Submittals - Epoxy Flooring                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3860                 | Fab & Available for Delivery - Epoxy Flooring                    | 25                 | 03-Aug-20*  | 04-Sep-20 | Fab & Available for Delivery - Epoxy Flooring                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Carpet</b>            |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3910                 | Subcontractor Issue Submittals - Carpet                          | 19                 | 14-Jan-20 A | 02-Jul-20 | Subcontractor Issue Submittals - Carpet                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3920                 | A/E Review & Approve Submittals - Carpet                         | 15                 | 06-Jul-20   | 24-Jul-20 | A/E Review & Approve Submittals - Carpet                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-3930                 | Fab & Available for Delivery - Carpet                            | 40                 | 27-Jul-20*  | 21-Sep-20 | Fab & Available for Delivery - Carpet                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Site Concrete</b>     |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5950                 | Bid, Descscope & RTA - Site Concrete (Rebid)                     | 30                 | 12-Jun-20*  | 24-Jul-20 | Bid, Descscope & RTA - Site Concrete (Rebid)                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5960                 | Owner Review/Approve RTA - Site Concrete (Rebid)                 | 5                  | 27-Jul-20   | 31-Jul-20 | Owner Review/Approve RTA - Site Concrete (Rebid)                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-6850                 | Building Commission Approves Contract - Site Concrete            | 1                  | 11-Aug-20*  | 11-Aug-20 | Building Commission Approves Contract - Site Concrete            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5540                 | Award Contract - Site Concrete                                   | 2                  | 12-Aug-20   | 13-Aug-20 | Award Contract - Site Concrete                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5530                 | Execute Contract - Site Concrete                                 | 5                  | 14-Aug-20   | 20-Aug-20 | Execute Contract - Site Concrete                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5580                 | Subcontractor Issue Submittals - Site Concrete                   | 15                 | 21-Aug-20   | 11-Sep-20 | Subcontractor Issue Submittals - Site Concrete                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5570                 | A/E Review & Approve Submittals - Site Concrete                  | 15                 | 14-Sep-20   | 02-Oct-20 | A/E Review & Approve Submittals - Site Concrete                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-5560                 | Fab & Available for Delivery - Site Concrete                     | 20                 | 05-Oct-20   | 02-Nov-20 | Fab & Available for Delivery - Site Concrete                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>AV</b>                |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-7300                 | Subcontractor Issue Submittals - AV                              | 20                 | 08-Jun-20   | 06-Jul-20 | Subcontractor Issue Submittals - AV                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-7290                 | A/E Review & Approve Submittals - AV                             | 15                 | 07-Jul-20   | 27-Jul-20 | A/E Review & Approve Submittals - AV                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-7330                 | Building Commision Final Approval of RTA - AV                    | 1                  | 14-Jul-20   | 14-Jul-20 | Building Commision Final Approval of RTA - AV                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-7280                 | Fab & Available for Delivery - AV                                | 20                 | 28-Jul-20   | 24-Aug-20 | Fab & Available for Delivery - AV                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Specialties</b>       |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4120                 | Subcontractor Issue Submittals - Specialties                     | 20                 | 31-Mar-20 A | 06-Jul-20 | Subcontractor Issue Submittals - Specialties                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4130                 | A/E Review & Approve Submittals - Specialties                    | 15                 | 03-Apr-20 A | 27-Jul-20 | A/E Review & Approve Submittals - Specialties                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4140                 | Fab & Available for Delivery - Specialties                       | 30                 | 28-Jul-20*  | 08-Sep-20 | Fab & Available for Delivery - Specialties                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Window Treatments</b> |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-6870                 | Building Commission Approves Contract - Window Treatments        | 1                  | 14-Jul-20*  | 14-Jul-20 | Building Commission Approves Contract - Window Treatments        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4380                 | Award Contract - Window Treatments                               | 2                  | 15-Jul-20   | 16-Jul-20 | Award Contract - Window Treatments                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4390                 | Execute Contract - Window Treatments                             | 5                  | 17-Jul-20   | 23-Jul-20 | Execute Contract - Window Treatments                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4400                 | Subcontractor Issue Submittals - Window Treatments               | 20                 | 24-Jul-20   | 20-Aug-20 | Subcontractor Issue Submittals - Window Treatments               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4410                 | A/E Review & Approve Submittals - Window Treatments              | 15                 | 21-Aug-20   | 11-Sep-20 | A/E Review & Approve Submittals - Window Treatments              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4420                 | Fab & Available for Delivery - Window Treatments                 | 20                 | 01-Oct-20*  | 29-Oct-20 | Fab & Available for Delivery - Window Treatments                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Signage</b>           |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4470                 | Subcontractor Issue Submittals - Signage                         | 20                 | 08-Jun-20   | 06-Jul-20 | Subcontractor Issue Submittals - Signage                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4480                 | A/E Review & Approve Submittals - Signage                        | 15                 | 07-Jul-20   | 27-Jul-20 | A/E Review & Approve Submittals - Signage                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4490                 | Fab & Available for Delivery - Signage                           | 40                 | 01-Sep-20*  | 28-Oct-20 | Fab & Available for Delivery - Signage                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Landscaping</b>       |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-6890                 | Building Commission Approves Contract - Landscaping              | 1                  | 14-Jul-20*  | 14-Jul-20 | Building Commission Approves Contract - Landscaping              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4030                 | Award Contract - Landscaping                                     | 2                  | 15-Jul-20   | 16-Jul-20 | Award Contract - Landscaping                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4040                 | Execute Contract - Landscaping                                   | 5                  | 17-Jul-20   | 23-Jul-20 | Execute Contract - Landscaping                                   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4050                 | Subcontractor Issue Submittals - Landscaping                     | 15                 | 24-Jul-20   | 13-Aug-20 | Subcontractor Issue Submittals - Landscaping                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4060                 | A/E Review & Approve Submittals - Landscaping                    | 15                 | 14-Aug-20   | 03-Sep-20 | A/E Review & Approve Submittals - Landscaping                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4070                 | Fab & Available for Delivery - Landscaping                       | 50                 | 04-Sep-20*  | 17-Nov-20 | Fab & Available for Delivery - Landscaping                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| <b>Final Cleaning</b>    |  |                    |             |           |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4510                 | Owner Review/Approve RTA - Final Cleaning                        | 25                 | 31-Jan-20 A | 13-Jul-20 | Owner Review/Approve RTA - Final Cleaning                        |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-6900                 | Building Commission Approves Contract - Final Cleaning           | 1                  | 14-Jul-20*  | 14-Jul-20 | Building Commission Approves Contract - Final Cleaning           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4520                 | Award Contract - Final Cleaning                                  | 2                  | 15-Jul-20   | 16-Jul-20 | Award Contract - Final Cleaning                                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4530                 | Execute Contract - Final Cleaning                                | 5                  | 17-Jul-20   | 23-Jul-20 | Execute Contract - Final Cleaning                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4540                 | Subcontractor Issue Submittals - Final Cleaning                  | 20                 | 24-Jul-20   | 20-Aug-20 | Subcontractor Issue Submittals - Final Cleaning                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4550                 | A/E Review & Approve Submittals - Final Cleaning                 | 15                 | 21-Aug-20   | 11-Sep-20 | A/E Review & Approve Submittals - Final Cleaning                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |
| PRO-4560                 | Fab & Available for Delivery - Final Cleaning                    | 10                 | 14-Sep-20   | 25-Sep-20 | Fab & Available for Delivery - Final Cleaning                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |  |  |  |  |  |    |

|                           |                         |
|---------------------------|-------------------------|
| Remaining Level of Effort | Remaining Work          |
| Actual Level of Effort    | Critical Remaining Work |
| Actual Work               | Milestone               |



| Activity ID | Activity Name | Remaining Duration | Start | Finish | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021 |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |  |  |  |  |  | Jan |
|-------------|---------------|--------------------|-------|--------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|-----|
|             |               |                    |       |        | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |  |  |  |  |  |     |

**Mockups**

| <b>Exterior Facade</b> |  |    |             |           |  |
|------------------------|--|----|-------------|-----------|--|
| <b>Procurement</b>     |  |    |             |           |  |
| MOCK-1170              | Fab & Available for Delivery - Granite/Limestone - Exterior Mockup               | 5  | 04-Feb-20 A | 12-Jun-20 | ■ Fab & Available for Delivery - Granite/Limestone - Exterior Mockup               |
| MOCK-1140              | Fab & Available for Delivery - Curtain Wall - Exterior Mockup                    | 5  | 14-Feb-20 A | 12-Jun-20 | ■ Fab & Available for Delivery - Curtain Wall - Exterior Mockup                    |
| MOCK-1200              | Fab & Available for Delivery - Brick - Exterior Mockup                           | 5  | 24-Feb-20 A | 12-Jun-20 | ■ Fab & Available for Delivery - Brick - Exterior Mockup                           |
| MOCK-1110              | Fab & Available for Delivery - AVB/Insulation - Exterior Mockup                  | 5  | 02-Mar-20 A | 12-Jun-20 | ■ Fab & Available for Delivery - AVB/Insulation - Exterior Mockup                  |
| MOCK-1310              | Fab & Available for Delivery - Waterproofing Exterior Sealants - Exterior Mockup | 5  | 02-Mar-20 A | 12-Jun-20 | ■ Fab & Available for Delivery - Waterproofing Exterior Sealants - Exterior Mockup |
| MOCK-1240              | Review & Approve - JK Glass Exterior Sealants - Exterior Mockup                  | 5  | 23-Mar-20 A | 12-Jun-20 | ■ Review & Approve - JK Glass Exterior Sealants - Exterior Mockup                  |
| MOCK-1220              | Review & Approve - Masonry Exterior Sealants - Exterior Mockup                   | 5  | 24-Mar-20 A | 12-Jun-20 | ■ Review & Approve - Masonry Exterior Sealants - Exterior Mockup                   |
| MOCK-1040              | Review & Approve - HSS Steel - Exterior Mockup                                   | 4  | 02-Jun-20 A | 11-Jun-20 | ■ Review & Approve - HSS Steel - Exterior Mockup                                   |
| MOCK-1320              | Pre-Installation Meeting - Exterior Mockup                                       | 1  | 08-Jun-20*  | 08-Jun-20 | Pre-Installation Meeting - Exterior Mockup   |
| MOCK-1260              | Prepare & Submit - Roof Cap - Exterior Mockup                                    | 10 | 09-Jun-20*  | 22-Jun-20 | ■ Prepare & Submit - Roof Cap - Exterior Mockup                                    |
| MOCK-1050              | Fab & Available for Delivery - HSS Steel - Exterior Mockup                       | 10 | 12-Jun-20   | 25-Jun-20 | ■ Fab & Available for Delivery - HSS Steel - Exterior Mockup                       |
| MOCK-1225              | Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup       | 10 | 15-Jun-20   | 26-Jun-20 | ■ Fab & Available for Delivery - Masonry Exterior Sealants - Exterior Mockup       |
| MOCK-1250              | Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup      | 10 | 15-Jun-20   | 26-Jun-20 | ■ Fab & Available for Delivery - JK Glass Exterior Sealants - Exterior Mockup      |
| MOCK-1270              | Review & Approve - Roof Cap - Exterior Mockup                                    | 10 | 23-Jun-20   | 07-Jul-20 | ■ Review & Approve - Roof Cap - Exterior Mockup                                    |
| MOCK-1280              | Fab & Available for Delivery - Roof Cap - Exterior Mockup                        | 5  | 08-Jul-20   | 14-Jul-20 | ■ Fab & Available for Delivery - Roof Cap - Exterior Mockup                        |

| <b>Construction</b> |  |    |            |           |  |
|---------------------|--|----|------------|-----------|--|
| MOCK-1330           | Install Perimeter Fence - Exterior Mockup                    | 1  | 15-Jun-20* | 15-Jun-20 | Install Perimeter Fence - Exterior Mockup                    |
| MOCK-1340           | FRP & Strip Concrete Anchor Pad - Exterior Mockup            | 5  | 16-Jun-20  | 22-Jun-20 | ■ FRP & Strip Concrete Anchor Pad - Exterior Mockup          |
| MOCK-1350           | Install LGMF & Bracing - Exterior Mockup                     | 2  | 23-Jun-20  | 24-Jun-20 | Install LGMF & Bracing - Exterior Mockup                     |
| MOCK-1360           | Install Tube Steel & Relieving Angle - Exterior Mockup       | 1  | 26-Jun-20  | 26-Jun-20 | Install Tube Steel & Relieving Angle - Exterior Mockup       |
| MOCK-1370           | Install Sheathing - Exterior Mockup                          | 1  | 29-Jun-20  | 29-Jun-20 | Install Sheathing - Exterior Mockup                          |
| MOCK-1380           | Install AVB - Exterior Mockup                                | 2  | 30-Jun-20  | 01-Jul-20 | ■ Install AVB - Exterior Mockup                              |
| MOCK-1390           | Install Thermal Insulation - Exterior Mockup                 | 1  | 02-Jul-20  | 02-Jul-20 | Install Thermal Insulation - Exterior Mockup                 |
| MOCK-1400           | Install Curtain Wall Frames - Exterior Mockup                | 2  | 06-Jul-20  | 07-Jul-20 | ■ Install Curtain Wall Frames - Exterior Mockup              |
| MOCK-1410           | Install Exterior Glazing Frames - Exterior Mockup            | 1  | 08-Jul-20  | 08-Jul-20 | Install Exterior Glazing Frames - Exterior Mockup            |
| MOCK-1420           | Install Punch Windows Frames - Exterior Mockup               | 1  | 09-Jul-20  | 09-Jul-20 | Install Punch Windows Frames - Exterior Mockup               |
| MOCK-1430           | Install Exterior Glazing - Exterior Mockup                   | 1  | 10-Jul-20  | 10-Jul-20 | Install Exterior Glazing - Exterior Mockup                   |
| MOCK-1440           | Install Granite Base - Exterior Mockup                       | 1  | 13-Jul-20  | 13-Jul-20 | Install Granite Base - Exterior Mockup                       |
| MOCK-1450           | Install Brick & Limestone Cornice - Exterior Mockup          | 5  | 14-Jul-20  | 20-Jul-20 | ■ Install Brick & Limestone Cornice - Exterior Mockup        |
| MOCK-1460           | Washdown Brick - Exterior Mockup                             | 1  | 21-Jul-20  | 21-Jul-20 | Washdown Brick - Exterior Mockup                             |
| MOCK-1470           | Install Exterior Sealents & Control Joints - Exterior Mockup | 1  | 22-Jul-20  | 22-Jul-20 | Install Exterior Sealents & Control Joints - Exterior Mockup |
| MOCK-1480           | Install Roof & Cap - Exterior Mockup                         | 2  | 23-Jul-20  | 24-Jul-20 | Install Roof & Cap - Exterior Mockup                         |
| MOCK-1490           | Architect Review & Approve - Exterior Mockup                 | 15 | 27-Jul-20  | 14-Aug-20 | ■ Architect Review & Approve - Exterior Mockup               |

| <b>MEP Coordination</b> |  |    |             |           |  |
|-------------------------|--|----|-------------|-----------|--|
| <b>Basement</b>         |  |    |             |           |  |
| MEP-3040                | Fab & Deliver - Duct & Pipe - Basement | 10 | 18-Mar-20 A | 19-Jun-20 | ■ Fab & Deliver - Duct & Pipe - Basement |
| <b>Level 1</b>          |  |    |             |           |  |
| MEP-3070                | Fab & Deliver - Duct & Pipe - L1       | 15 | 01-May-20 A | 26-Jun-20 | ■ Fab & Deliver - Duct & Pipe - L1       |
| <b>Level 2</b>          |  |    |             |           |  |
| MEP-3090                | Review & Approve MEPs - L2             | 2  | 03-Apr-20 A | 09-Jun-20 | ■ Review & Approve MEPs - L2             |
| MEP-3100                | Fab & Deliver - Duct & Pipe - L2       | 15 | 10-Jun-20   | 30-Jun-20 | ■ Fab & Deliver - Duct & Pipe - L2       |
| <b>Level 3</b>          |  |    |             |           |  |
| MEP-3120                | Review & Approve MEPs - L3             | 5  | 29-May-20 A | 12-Jun-20 | ■ Review & Approve MEPs - L3             |
| MEP-3130                | Fab & Deliver - Duct & Pipe - L3       | 15 | 24-Jun-20   | 15-Jul-20 | ■ Fab & Deliver - Duct & Pipe - L3       |

| <b>Construction Summary</b>  |  |    |             |           |  |
|------------------------------|--|----|-------------|-----------|--|
| <b>Project C - STEM Wing</b> |  |    |             |           |  |
| SUM-1090                     | Summary - Sitework & Foundations         | 9  | 08-Nov-19 A | 18-Jun-20 | ■ Summary - Sitework & Foundations         |
| SUM-1100                     | Summary - Erect Structural Steel         | 40 | 27-Mar-20 A | 03-Aug-20 | ■ Summary - Erect Structural Steel         |
| SUM-1120                     | Summary - Detail & Deck Structural Steel | 56 | 06-Apr-20 A | 25-Aug-20 | ■ Summary - Detail & Deck Structural Steel |
| SUM-1130                     | Summary - Prep & Place Slabs on Deck     | 61 | 30-Apr-20 A | 01-Sep-20 | ■ Summary - Prep & Place Slabs on Deck     |

█ Remaining Level of Effort    █ Remaining Work  
█ Actual Level of Effort      █ Critical Remaining Work  
█ Actual Work                        ◆ Milestone









| Activity ID                                | Activity Name   | Remaining Duration | Start     | Finish    | 2020  |     |     |     |     |     |     |     |     |     |     |     | 2021   |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |
|--|---|--------------------|-----------|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |   |                    |           |           | Jan   | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| E-1090                                     | Remove Staging - East Elevation   | 2                  | 19-Mar-21 | 22-Mar-21 |   |     |     |     |     |     |     |     |     |     |     |     | █ Remove Staging - East Elevation                  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| E-1110                                     | Install Metal Panels at Canopy - East Elevations  | 20                 | 23-Mar-21 | 20-Apr-21 |   |     |     |     |     |     |     |     |     |     |     |     | █ Install Metal Panels at Canopy - East Elevations |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| E-1120                                     | Install Metal Column Enclosures - East Elevation  | 10                 | 21-Apr-21 | 04-May-21 |   |     |     |     |     |     |     |     |     |     |     |     | █ Install Metal Column Enclosures - East Elevation |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| E-1100                                     | Caulk Facade - East Elevation   | 8                  | 05-May-21 | 14-May-21 |   |     |     |     |     |     |     |     |     |     |     |     | █ Caulk Facade - East Elevation                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Elevators</b>                           |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| ELEV-1000                                  | Build Elevator Shaft  | 20                 | 25-Sep-20 | 23-Oct-20 | █ Build Elevator Shaft  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| ELEV-1010                                  | Install Elevator  | 60                 | 26-Oct-20 | 25-Jan-21 | █ Install Elevator  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>MEP Systems</b>                         |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-1500                                   | Build Walls - Basement Level Mechanical & Electrical Rooms  | 15                 | 10-Sep-20 | 30-Sep-20 | █ Build Walls - Basement Level Mechanical & Electrical Rooms  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-1510                                   | FRP Equipment Pads - Basement Level Mechanical & Electrical Rooms   | 5                  | 24-Sep-20 | 30-Sep-20 | █ FRP Equipment Pads - Basement Level Mechanical & Electrical Rooms   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Hot Water</b>                           |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Basement</b>                            |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3350                                   | Rig & Set Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2)                                     | 2                  | 01-Oct-20 | 02-Oct-20 | █ Rig & Set Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2) - Hot Water System                  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3360                                   | Install Mechanical Piping to Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2)                       | 20                 | 05-Oct-20 | 02-Nov-20 | █ Install Mechanical Piping to Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2) - Hot Water System    |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3410                                   | Install Electrical to Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2)                         | 15                 | 20-Oct-20 | 09-Nov-20 | █ Install Electrical to Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2) - Hot Water System      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3370                                   | Install Controls Wiring to Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2)                    | 10                 | 10-Nov-20 | 24-Nov-20 | █ Install Controls Wiring to Heat Exchanger (HEX-1.1), Expansion Tanks (ET-1/2) & Pumps (HHWP-1.1/1.2) - Hot Water System |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3380                                   | Fill, Flush & Treat Piping - Hot Water System   | 5                  | 25-Nov-20 | 03-Dec-20 | █ Fill, Flush & Treat Piping - Hot Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3390                                   | Insulate Piping - Hot Water System  | 20                 | 04-Dec-20 | 04-Jan-21 | █ Insulate Piping - Hot Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3400                                   | Start-up & Test - Hot Water System  | 15                 | 16-Dec-20 | 07-Jan-21 | █ Start-up & Test - Hot Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Chilled Water</b>                       |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Roof</b>                                |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2000                                   | Rig & Set Chiller (ACC-1.1) at Roof - Chilled Water System  | 2                  | 10-Sep-20 | 11-Sep-20 | █ Rig & Set Chiller (ACC-1.1) at Roof - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2010                                   | Install Mechanical Piping to Chiller (ACC-1.1) - Chilled Water System   | 20                 | 14-Sep-20 | 09-Oct-20 | █ Install Mechanical Piping to Chiller (ACC-1.1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2020                                   | Install Electrical Conduits & Wiring to Chiller (ACC-1.1) - Chilled Water System  | 15                 | 13-Oct-20 | 02-Nov-20 | █ Install Electrical Conduits & Wiring to Chiller (ACC-1.1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2030                                   | Install Controls Wiring to Chiller (ACC-1.1) - Chilled Water System   | 10                 | 03-Nov-20 | 17-Nov-20 | █ Install Controls Wiring to Chiller (ACC-1.1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Basement</b>                            |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2040                                   | Rig & Set Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                               | 2                  | 05-Oct-20 | 06-Oct-20 | █ Rig & Set Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System                               |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2070                                   | Rig & Set Glycol Feed System (GFT-1) - Chilled Water System   | 2                  | 07-Oct-20 | 08-Oct-20 | █ Rig & Set Glycol Feed System (GFT-1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3260                                   | Install Mechanical Piping to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System            | 20                 | 20-Oct-20 | 17-Nov-20 | █ Install Mechanical Piping to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System            |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2050                                   | Install Electrical Conduits & Wiring to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System | 15                 | 03-Nov-20 | 24-Nov-20 | █ Install Electrical Conduits & Wiring to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2080                                   | Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System  | 5                  | 18-Nov-20 | 24-Nov-20 | █ Install Mechanical Piping to Glycol Feed System (GFT-1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2090                                   | Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System   | 5                  | 25-Nov-20 | 03-Dec-20 | █ Install Electrical Conduits & Wiring to System (GFT-1) - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2060                                   | Install Controls Wiring to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System              | 10                 | 25-Nov-20 | 10-Dec-20 | █ Install Controls Wiring to Chilled Water Pumps (CHWP-1/2/3) & Expansion Tank (ET-1) - Chilled Water System              |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-2100                                   | Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System  | 5                  | 11-Dec-20 | 17-Dec-20 | █ Install Controls Wiring to Glycol Feed System (GFT-1) - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3320                                   | Fill, Flush & Treat Piping - Chilled Water System   | 5                  | 18-Dec-20 | 24-Dec-20 | █ Fill, Flush & Treat Piping - Chilled Water System   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3330                                   | Insulate Piping - Chilled Water System  | 20                 | 28-Dec-20 | 26-Jan-21 | █ Insulate Piping - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3340                                   | Start-up & Test - Chilled Water System  | 15                 | 07-Jan-21 | 28-Jan-21 | █ Start-up & Test - Chilled Water System  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Air Handling</b>                        |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Roof</b>                                |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>AHU-1.1 (STEM) &amp; AHU-1.2 (STEM)</b> |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3480                                   | Rig & Set - AHU-1.1 (STEM) & AHU-1.2 (STEM)   | 1                  | 14-Sep-20 | 14-Sep-20 | █ Rig & Set - AHU-1.1 (STEM) & AHU-1.2 (STEM)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3490                                   | Install Ductwork Connections - AHU-1.1 (STEM) & AHU-1.2 (STEM)  | 15                 | 15-Sep-20 | 05-Oct-20 | █ Install Ductwork Connections - AHU-1.1 (STEM) & AHU-1.2 (STEM)  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3500                                   | Install Mechanical Piping Connections - AHU-1.1 (STEM) & AHU-1.2 (STEM)   | 15                 | 29-Sep-20 | 20-Oct-20 | █ Install Mechanical Piping Connections - AHU-1.1 (STEM) & AHU-1.2 (STEM)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3510                                   | Install Electrical Conduits & Wiring - AHU-1.1 (STEM) & AHU-1.2 (STEM)  | 15                 | 14-Oct-20 | 03-Nov-20 | █ Install Electrical Conduits & Wiring - AHU-1.1 (STEM) & AHU-1.2 (STEM)  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3520                                   | Install Controls Wiring - AHU-1.1 (STEM) & AHU-1.2 (STEM)   | 10                 | 04-Nov-20 | 18-Nov-20 | █ Install Controls Wiring - AHU-1.1 (STEM) & AHU-1.2 (STEM)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3530                                   | Start-up & Test - AHU-1.1 (STEM) & AHU-1.2 (STEM)   | 5                  | 29-Jan-21 | 04-Feb-21 | █ Start-up & Test - AHU-1.1 (STEM) & AHU-1.2 (STEM)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>AHU-2.1 (Kitchen)</b>                   |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3540                                   | Rig & Set - AHU-2.1 (Kitchen)   | 1                  | 15-Sep-20 | 15-Sep-20 | █ Rig & Set - AHU-2.1 (Kitchen)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3550                                   | Install Ductwork Connections - AHU-2.1 (Kitchen)  | 15                 | 29-Sep-20 | 20-Oct-20 | █ Install Ductwork Connections - AHU-2.1 (Kitchen)  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3560                                   | Install Mechanical Piping Connections - AHU-2.1 (Kitchen)   | 15                 | 14-Oct-20 | 03-Nov-20 | █ Install Mechanical Piping Connections - AHU-2.1 (Kitchen)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3570                                   | Install Electrical Conduits & Wiring - AHU-2.1 (Kitchen)  | 15                 | 28-Oct-20 | 18-Nov-20 | █ Install Electrical Conduits & Wiring - AHU-2.1 (Kitchen)  |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3580                                   | Install Controls Wiring - AHU-2.1 (Kitchen)   | 10                 | 19-Nov-20 | 04-Dec-20 | █ Install Controls Wiring - AHU-2.1 (Kitchen)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| MEP-3590                                   | Start-up & Test - AHU-2.1 (Kitchen)   | 5                  | 05-Feb-21 | 11-Feb-21 | █ Start-up & Test - AHU-2.1 (Kitchen)   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Electrical</b>                          |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Basement</b>                            |   |                    |           |           |   |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |







| Activity ID    | Activity Name  | Remaining Duration | Start     | Finish    | 2020 |     |     |     |     |     |     |     |     |     |     |     | 2021   |     |     |     |     |     |     |     |     |     |     |     | 2022 |     |     |     |     |     |     |     |     |     |     |     |
|----------------|--|--------------------|-----------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                |  |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|                |  |                    |           |           | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| L3-1645        | Install Mirrors - L3 Bathrooms                                     | 2                  | 26-Mar-21 | 29-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Mirrors - L3 Bathrooms                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L3-1650        | Finish Paint - L3 Bathrooms  | 2                  | 30-Mar-21 | 31-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Finish Paint - L3 Bathrooms  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <b>Level 1</b> |  |                    |           |           |      |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1010        | Install MEP Risers - L1  | 10                 | 06-Oct-20 | 20-Oct-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install MEP Risers - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1000        | Install Tube Steel Wall Supports - L1                              | 5                  | 21-Oct-20 | 27-Oct-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Tube Steel Wall Supports - L1                              |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1020        | Rough-in Overhead Ductwork - L1                                    | 15                 | 04-Nov-20 | 25-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Overhead Ductwork - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1030        | Rough-in Overhead Plumbing - L1                                    | 15                 | 04-Nov-20 | 25-Nov-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Overhead Plumbing - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1040        | Rough-in Overhead Mechanical Piping - L1                           | 15                 | 12-Nov-20 | 04-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Overhead Mechanical Piping - L1                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1050        | Rough-in Overhead Electrical Conduit - L1                          | 20                 | 12-Nov-20 | 11-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Overhead Electrical Conduit - L1                          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1060        | Frame Electrical Closets - L1                                      | 3                  | 30-Nov-20 | 02-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Frame Electrical Closets - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1070        | Rough Fire Protection - L1   | 10                 | 30-Nov-20 | 11-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough Fire Protection - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1130        | Install Above Ceiling Mechanical Equipment - L1                    | 10                 | 30-Nov-20 | 11-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Above Ceiling Mechanical Equipment - L1                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1080        | Board & Tape Electrical Closets - L1                               | 5                  | 03-Dec-20 | 09-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Board & Tape Electrical Closets - L1                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1090        | Frame Interior Walls - L1  | 10                 | 07-Dec-20 | 18-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Frame Interior Walls - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1450        | Insulate Overhead Mechanical Piping & HVAC Ductwork - L1           | 15                 | 07-Dec-20 | 28-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Insulate Overhead Mechanical Piping & HVAC Ductwork - L1           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1120        | Set Door Frames - L1   | 5                  | 10-Dec-20 | 16-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Set Door Frames - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1110        | Rough-in Plumbing In-Wall - L1                                     | 10                 | 14-Dec-20 | 28-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Plumbing In-Wall - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1100        | Frame Soffits - L1   | 10                 | 17-Dec-20 | 31-Dec-20 |      |     |     |     |     |     |     |     |     |     |     |     | █ Frame Soffits - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1140        | Rough-in Electrical In-Wall & Pull Branch Circuits - L1            | 15                 | 21-Dec-20 | 12-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Electrical In-Wall & Pull Branch Circuits - L1            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1150        | Rough-in Low Voltage In-Wall & Pull Wire - L1                      | 15                 | 21-Dec-20 | 12-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Rough-in Low Voltage In-Wall & Pull Wire - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1160        | Perform Wall & Ceiling Punch List & Inspections - L1               | 10                 | 12-Jan-21 | 26-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Perform Wall & Ceiling Punch List & Inspections - L1               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1170        | Perform In-Wall Inspections with Town - L1                         | 2                  | 13-Jan-21 | 14-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Perform In-Wall Inspections with Town - L1                         |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1180        | Install Wood Blocking - L1   | 5                  | 15-Jan-21 | 22-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Wood Blocking - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1330        | Insulate In-Wall Piping - L1                                       | 5                  | 15-Jan-21 | 22-Jan-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Insulate In-Wall Piping - L1                                       |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1190        | Board Walls & Soffits - L1   | 10                 | 16-Feb-21 | 01-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Board Walls & Soffits - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1210        | Tape Walls & Soffits - L1  | 10                 | 22-Feb-21 | 05-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Tape Walls & Soffits - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-3050        | Field Measure & Fab Interior Glass - L1                            | 20                 | 23-Feb-21 | 22-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Field Measure & Fab Interior Glass - L1                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1230        | Paint Exposed Ceiling at Makerspace - L1                           | 3                  | 08-Mar-21 | 10-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Paint Exposed Ceiling at Makerspace - L1                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1220        | Prime & 1st Coat Walls - L1  | 6                  | 08-Mar-21 | 15-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Prime & 1st Coat Walls - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1225        | Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L1 | 5                  | 11-Mar-21 | 17-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Ceiling Grid & Cut/DeviceTies at Classrooms & Offices - L1 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1333        | Install Unistrut Grid at Makerspace - L1                           | 5                  | 11-Mar-21 | 17-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Unistrut Grid at Makerspace - L1                           |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-3060        | Install Wall Tile at Corridors - L1                                | 10                 | 11-Mar-21 | 24-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Wall Tile at Corridors - L1                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1240        | Install MEP Drops at Classrooms & Offices - L1                     | 10                 | 15-Mar-21 | 26-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install MEP Drops at Classrooms & Offices - L1                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-3070        | Install Overhead Garage Doors - L1                                 | 5                  | 18-Mar-21 | 24-Mar-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Overhead Garage Doors - L1                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1250        | Install Storefront Frames - L1                                     | 10                 | 23-Mar-21 | 05-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Storefront Frames - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1440        | Install Teledata Finishes & Terminations - L1                      | 10                 | 29-Mar-21 | 09-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Teledata Finishes & Terminations - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1260        | Install Millwork at Classrooms & Offices - L1                      | 10                 | 30-Mar-21 | 12-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Millwork at Classrooms & Offices - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1390        | Install Interior Glazing - L1                                      | 10                 | 30-Mar-21 | 12-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Interior Glazing - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1445        | Install Fintube Radiators - L1                                     | 10                 | 05-Apr-21 | 16-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Fintube Radiators - L1                                     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1275        | Install Simulated Wood Aluminum Ceiling Panel System - L1          | 20                 | 06-Apr-21 | 04-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Simulated Wood Aluminum Ceiling Panel System - L1          |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1270        | Install Ceiling Grid & Cut/DeviceTies at Corridors - L1            | 5                  | 09-Apr-21 | 15-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Ceiling Grid & Cut/DeviceTies at Corridors - L1            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1380        | Install Flooring at Classrooms & Offices - L1                      | 10                 | 12-Apr-21 | 26-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Flooring at Classrooms & Offices - L1                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1370        | Install Doors & Hardware - L1                                      | 5                  | 13-Apr-21 | 20-Apr-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Doors & Hardware - L1                                      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1280        | Install MEP Drops at Corridors - L1                                | 15                 | 16-Apr-21 | 07-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install MEP Drops at Corridors - L1                                |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1285        | Install Fintube Covers - L1  | 10                 | 20-Apr-21 | 03-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Fintube Covers - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1430        | Install Fire Alarm Devices - L1                                    | 5                  | 05-May-21 | 11-May-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Fire Alarm Devices - L1                                    |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1300        | Install Terrazzo at Corridors - L1                                 | 18                 | 10-May-21 | 03-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Terrazzo at Corridors - L1                                 |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1360        | Install Terrazzo Base at Corridors - L1                            | 10                 | 25-May-21 | 08-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Terrazzo Base at Corridors - L1                            |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1320        | Install AV - L1  | 5                  | 02-Jun-21 | 08-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install AV - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1340        | Install Whiteboards & Tack Boards - L1                             | 5                  | 02-Jun-21 | 08-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Whiteboards & Tack Boards - L1                             |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1350        | Install Window Shades - L1   | 5                  | 02-Jun-21 | 08-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Install Window Shades - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1400        | Construction Cleaning - L1   | 5                  | 09-Jun-21 | 15-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Construction Cleaning - L1   |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1290        | Balance HVAC - L1  | 5                  | 16-Jun-21 | 22-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Balance HVAC - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1410        | Skanska Punch List - L1  | 5                  | 16-Jun-21 | 22-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Skanska Punch List - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| L1-1420        | Architect Punch List - L1  | 5                  | 23-Jun-21 | 29-Jun-21 |      |     |     |     |     |     |     |     |     |     |     |     | █ Architect Punch List - L1  |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |

█ Remaining Level of Effort   
 Remaining Work  
█ Actual Level of Effort   
 Critical Remaining Work  
 Actual Work   
◆ Milestone











| Name                        | Position/Role     | Hourly Billing Rate | Month 1           | Month 2          | Month 3          | Project Final Budget |
|-----------------------------|-------------------|---------------------|-------------------|------------------|------------------|----------------------|
|                             |                   |                     |                   |                  | 2 weeks          |                      |
| Dan Lanneville              | Account Mngr      |                     |                   |                  |                  | \$ -                 |
| Jim Craft                   | Project Executive |                     | 0.175             | 0.04375          |                  | \$ 6,941             |
| Peter Roche                 | Senior PM         |                     | 0.35              | 0.0875           |                  | \$ 9,398             |
| Rob Mulligan                | Senior PM         |                     | 0.35              | 0.0875           |                  | \$ 10,743            |
| Timothy Landry              | EHS Manager       |                     | 0.35              | 0.0875           |                  | \$ 5,076             |
| Mark Pene                   | Scheduling        |                     | 0.07              | 0.0175           |                  | \$ 2,276             |
| Matt Emond                  | BIM Coordination  |                     | 0.07              | 0.0175           |                  | \$ 1,602             |
| Anna Lee                    | Accountant        |                     | 0.35              | 0.0875           |                  | \$ 5,463             |
| Lauren Daly                 | Administrator     |                     | 0.175             | 0.04375          |                  | \$ 2,278             |
| Jamie Simon ©               | Project Manager   |                     | 1                 | 1                | 0.5              | \$ 39,637            |
| Tom Melanson ©              | APM               |                     | 1                 | 1                | 0.5              | \$ 26,021            |
| Chris Roche ©               | MEP PE            |                     | 1                 | 1                | 0.5              | \$ 19,643            |
| Office Coop 1 - Evan ©      | Intern            |                     | 0.35              | 0.0875           |                  | \$ 3,006             |
| Steve Papastephanou ©       | Superintendent    |                     | 1                 | 1                | 0.5              | \$ 44,345            |
| Brigitte Perera ©           | A Super           |                     | 1                 | 1                | 0.5              | \$ 22,543            |
| Mike Pugh (A)               | Project Manager   |                     |                   |                  |                  | \$ -                 |
| Paul Swetz (A)              | Project Engineer  |                     |                   |                  |                  | \$ -                 |
| Robert Koenig (50% A 50% H) | Senior PM         |                     |                   |                  |                  | \$ -                 |
| Office Coop 2 - Troy Deluca | Intern            |                     | 0.35              | 0.0875           |                  | \$ 2,260             |
| Nathan Moore (A)            | MEP PE            |                     |                   |                  |                  | \$ -                 |
| Connor Hennessey            | APM               |                     |                   |                  |                  | \$ -                 |
| Steve Brown                 | Cost Engineer     |                     | 0.35              | 0.0875           |                  | \$ 5,886             |
| Mike Gear (A&C)             | Sr Super          |                     | 0.35              | 0.0875           |                  | \$ 9,573             |
| Adam Farrar (A)             | Superintendent    |                     |                   |                  |                  | \$ -                 |
| Assist Super (A)            | A Super           |                     |                   |                  |                  | \$ -                 |
| <b>Monthly Budget</b>       |                   |                     | <b>\$ 112,479</b> | <b>\$ 73,777</b> | <b>\$ 30,438</b> | <b>\$ 216,694</b>    |

|   |                         |
|---|-------------------------|
| <b>Subtotal of GC Labor Forecast (Above)</b>  | <b>\$ 216,694</b>       |
| <b>GC Non-labor Forecast (Next Worksheet)</b> | <b>\$ 10,881</b>        |
| <b>Total</b>                                  | <b>Total \$ 227,575</b> |

|   | Month 1         | Month 2         | Month 3       | Total            |
|---|-----------------|-----------------|---------------|------------------|
| <b>PARKING PROJECTION</b>                               |                 |                 | 2 weeks       |                  |
| Bryan Northrop  |                 |                 |               |                  |
| Dan Lanneville  |                 |                 |               |                  |
| Jim Craft   |                 |                 |               |                  |
| Peter Roche   |                 |                 |               |                  |
| Rob Mulligan  |                 |                 |               |                  |
| Timothy Landry  | \$ 114          | \$ 28           |               | \$ 142           |
| Mark Pener  | \$ 21           | \$ 5            |               | \$ 26            |
| Matt Emond  | \$ 21           | \$ 5            |               | \$ 26            |
| Anna Lee  | \$ 21           | \$ 5            |               | \$ 26            |
| Lauren Daly   | \$ 114          | \$ 28           |               | \$ 142           |
| Jamie Simon ©   | \$ 325          | \$ 325          | \$ 163        | \$ 650           |
| Tom Melanson ©  | \$ 325          | \$ 325          | \$ 163        | \$ 650           |
| Chris Roche ©   |                 | \$ -            | \$ -          | \$ -             |
| Office Coop 1 - Evan ©                                  |                 | \$ -            | \$ -          | \$ -             |
| Steve Papastephanou ©                                   |                 | \$ -            | \$ -          | \$ -             |
| Brigitte Perera ©                                       |                 | \$ -            | \$ -          | \$ -             |
| Mike Pugh (A)   |                 | \$ -            | \$ -          | \$ -             |
| Paul Swetz (A)  |                 | \$ -            | \$ -          | \$ -             |
| Robert Koenig (50% A 50% H)                             |                 | \$ -            | \$ -          | \$ -             |
| Office Coop 2 - TBD                                     |                 | \$ -            | \$ -          | \$ -             |
| Nathan Moore (A)  |                 | \$ -            | \$ -          | \$ -             |
| Assist PM (A)   |                 | \$ -            | \$ -          | \$ -             |
| Mike Gear (A)   |                 | \$ -            | \$ -          | \$ -             |
| Assist Super (A)  |                 | \$ -            | \$ -          | \$ -             |
| Marc Contrado   |                 | \$ -            | \$ -          | \$ -             |
| Jose Tormey   |                 | \$ -            | \$ -          | \$ -             |
| <b>Table A Items</b>                                    |                 | \$ -            | \$ -          |                  |
| Consultants (Firesafing, Mold Hygienist, Temp Engineer) |                 | \$ -            | \$ -          |                  |
| Trailer Rent  | \$ 3,675        | \$ 3,675        |               | \$ 7,350         |
| Storage Rent  | \$ 105          | \$ 105          |               | \$ 210           |
| Office Furn. & Equipment                                | \$ -            | \$ -            |               | \$ -             |
| Postage & Delivery                                      | \$ 53           | \$ 13           |               | \$ 66            |
| Prints/Reprographics                                    | \$ -            | \$ -            |               | \$ -             |
| Topping Off/Safety Week                                 |                 |                 |               | \$ -             |
| StructionSite   | \$ -            | \$ -            |               | \$ -             |
| MILEAGE   | \$ -            | \$ -            |               | \$ -             |
| DRINKING WATER  | \$ 140          | \$ 35           |               | \$ 175           |
| COPY MACHINES   | \$ 490          | \$ 490          |               | \$ 980           |
| FIRST AID/Safety  | \$ 350          | \$ 88           |               | \$ 438           |
| SAFETY TRAINING   | \$ -            | \$ -            |               | \$ -             |
| <b>TOTAL</b>  | <b>\$ 5,753</b> | <b>\$ 5,128</b> | <b>\$ 325</b> | <b>\$ 10,881</b> |
|   | Month 1         | Month 2         | Month 3       | Total            |
|   |                 |                 |               |                  |
|   |                 |                 |               |                  |
|   |                 |                 |               |                  |

Skanska USA Building  
 Brookline High School  
 General Requirements

SUMMARY GENERAL + PROJECT C  
 General Requirements for Schedule Update PCCO 007

| Phase/Category                               | CHANGE CONDITION - PROJECT C |
|--|------------------------------|
| Forecasted GR Vendor Costs                   |                              |
| GENERAL                                      | \$252,096                    |
| Project C: STEM                              | \$59,750                     |
| Forecasted Direct Costs to be Assigned to BP |                              |
| GENERAL                                      | \$548                        |
| Project C: STEM                              | \$251,000                    |
| Forecasted Craft Labor                       |                              |
| Union Laborer                                | \$168,221                    |
| Union Carpenter                              | \$19,277                     |
| <b>TOTAL</b>                                 | <b>\$750,892</b>             |

| Description  | Units   |         |                    | Unit Cost | Lump Sum Value             | Total Estimated Value | Notes   |
|--|---------|---------|--------------------|-----------|----------------------------|-----------------------|---|
|  | Month 1 | Month 2 | Month 3<br>2 weeks |           |                            |                       |   |
| <b>Items from Table A</b>  |         |         |                    |           |                            |                       |   |
| Temporary and Permanent Utility Costs, backcharges and connection fees |         |         | 0                  | \$0       | \$250,000                  | \$250,000             | OWNER ALLOWANCE. Electric and gas, temporary and permanent.   |
| Winter Conditions & snow/ice removal                                   |         |         | 0                  | \$500     | \$0                        | \$0                   |   |
| Misc. Supplies   | 0.35    | 0.1875  | 0.5375             | \$250     | \$0                        | \$134                 |   |
| Project Signage  |         |         | 0                  | \$100     | \$0                        | \$0                   |   |
| Temp fencing, enclosure, walk, barricade, stair                        |         |         | 0                  | \$45      | \$0                        | \$0                   |   |
| Firefight equipment  |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Security guards  |         |         | 0                  | \$0       | \$0                        | \$0                   | Excluded  |
| Police Details   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Offices (Rental in GC's)   |         |         | 0                  | \$0       | \$0                        | \$0                   | In GC's   |
| Set up   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Dismantle  |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Interior Carpentry   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Sitework and Enabling  |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Demobilization and Restoration   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Sanitary Supplies  | 0.35    | 0.1875  | 0.5375             | \$250     | \$0                        | \$134                 |   |
| Phone / Internet   | 0.35    | 0.1875  | 0.5375             | \$550     | \$0                        | \$296                 |   |
| Office Supplies  | 0.35    | 0.1875  | 0.5375             | \$1,500   | \$0                        | \$806                 |   |
| Computer and Software  |         |         | 0                  | \$3,000   | \$0                        | \$0                   |   |
| Subsistence (Meals)  | 0.35    | 0.1875  | 0.5375             | \$0       | \$0                        | \$0                   |   |
| Topping Off  |         |         | 0                  | \$10,000  | \$0                        | \$0                   |   |
| Recognition / Team Building  |         |         | 0                  | \$10,000  | \$0                        | \$0                   |   |
| Public Communications /Advertising                                     | 0.35    | 0.1875  | 0.5375             | \$100     | \$0                        | \$54                  |   |
| Progress Photos  | 0.35    | 0.1875  | 0.5375             | \$500     | \$0                        | \$269                 | Allowance, not defined in specs.  |
| Laser Scanning   |         |         | 0                  | \$0       | \$0                        | \$0                   | Excluded  |
| Technology Fee   |         |         | 0                  | \$0       | \$0                        | \$0                   | 0.15%   |
| Archiving Fees   |         |         | 0                  | \$0       | \$0                        | \$0                   | 0.01%   |
| Check Processing Fees  |         |         | 0                  | \$0       | \$0                        | \$0                   | Removed from GMP per Hill request   |
| Precon Survey  |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| NFPA 241 Plans   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| CORI Supplies  | 0.35    | 0.1875  | 0.5375             | \$100     | \$0                        | \$54                  |   |
| Control Survey   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Surveying and Layout   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| PPE for staff and visitors   | 0.35    | 0.1875  | 0.5375             | \$500     | \$0                        | \$269                 |   |
| AED's  |         |         | 0                  | \$3,000   | \$0                        | \$0                   |   |
| 2 way radios   |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Street permits / Rentals   |         |         | 0                  | \$0       | \$0                        | \$0                   | By Owner  |
| MBTA Force Account ALLOWANCE   |         |         | 0                  | \$0       | \$0                        | \$0                   | By Owner  |
| Fuel for Generator for Trailers  |         |         | 0                  | \$0       | \$0                        | \$0                   |   |
| Answering Service for CMP  | 0.35    | 0.1875  | 0.5375             | \$150     | \$0                        | \$81                  |   |
| <b>SUBTOTAL</b>  |         |         |                    |           | <b>SUBTOTAL</b>            | <b>\$252,096</b>      |   |
| <b>Direct Cost to be Assigned to Bid Packages</b>                      |         |         |                    |           |                            |                       |   |
| Pest Control   | 0.35    | 0.1875  | 0.5375             | \$1,020   | \$0                        | \$548                 |   |
| Street Sweeping  |         |         | 0                  | \$15,400  | \$0                        | \$0                   | See GMP for Owner Allowance   |
| Pandemic PPE, Construction Material and GR Labor                       |         |         | 0                  | \$25,000  | \$0                        | \$0                   | \$25,000 unit cost is based on \$18,500 union labor and \$6,500 misc. vendor invoices and supplies. |
| <b>SUBTOTAL</b>  |         |         |                    |           | <b>SUBTOTAL</b>            | <b>\$548</b>          |   |
| <b>GRAND TOTAL GENERAL</b>   |         |         |                    |           | <b>GRAND TOTAL GENERAL</b> | <b>\$252,645</b>      |   |

| Description   |         |         |                    | Units | Unit Cost | Lump Sum Value  | Total Estimated Value | Notes  |
|---|---------|---------|--------------------|-------|-----------|-----------------|-----------------------|--|
|   | Month 1 | Month 2 | Month 3<br>2 weeks |       |           |                 |                       |  |
| <b>Items from Table A</b>                                       |         |         |                    |       |           |                 |                       |  |
| Construction Equipment and Tools (Small Tools)                  | 1       | 1       | 0.5                | 2.5   | \$3,800   | \$0             | \$9,500               |  |
| Winter Conditions & snow/ice removal                            |         |         |                    | 0     | \$6,000   | \$0             | \$0                   |  |
| Snow Removal From Roof  |         |         |                    | 0     | \$5,000   | \$0             | \$0                   |  |
| Debris and Trash Removal (Union Labor Foreman)                  |         |         |                    | 0     | \$13,000  | \$0             | \$0                   | Carried on a separate worksheet  |
| Flagman / Traffic Control                                       |         |         |                    | 0     | \$0       | \$0             | \$0                   | See Police Detail Allowance  |
| Dust Control  | 1       | 1       | 0.5                | 2.5   | \$500     | \$0             | \$1,250               | Greensweep and dust control tools and supplies   |
| Trash chutes and dumpsters                                      |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Dumpsters   |         |         |                    | 0     | \$765     | \$0             | \$0                   |  |
| Trash Chutes  |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Staging for Access to Trash Chutes                              |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Temp Toilets  | 8       | 8       | 4                  | 20    | \$150     | \$0             | \$3,000               |  |
| Project Signage   |         |         |                    | 0     | \$100     | \$0             | \$0                   |  |
| Safety railings, nets, ladders (Union Carpenter)                |         |         |                    | 0     | \$14,733  | \$0             | \$0                   | Carried on a separate worksheet  |
| Firefight equipment   | 2       | 2       | 1                  | 5     | \$250     | \$0             | \$1,250               | FE's and stands  |
| Security guards   |         |         |                    | 0     | \$0       | \$0             | \$0                   | Excluded   |
| Police Details - ALLOWANCE                                      | 1       | 1       | 0.5                | 2.5   | \$14,400  | \$0             | \$36,000              | ALLOWANCE \$50 per hour, assume 10 hour day with 2OT, plus \$5 per hour admin fee from Town. |
| <b>Other Items</b>  |         |         |                    |       |           |                 |                       |  |
| Surveying and Layout  |         |         |                    | 0     | \$1,500   | \$0             | \$0                   |  |
| Air quality during construction. Enclosures, fans, air machines |         |         |                    | 0     | \$1,000   | \$0             | \$0                   |  |
| Fire Watch (Hotwork) ALLOWANCE                                  |         |         |                    | 0     | \$550     | \$0             | \$0                   | Bought with Trades   |
| Fire Alarm Impairment ALLOWANCE                                 |         |         |                    | 0     | \$550     | \$0             | \$0                   | ALLOWANCE. \$500 per day plug in and out plus admin fee                                      |
| Construction Materials (Temporary)                              | 1       | 1       | 0.5                | 2.5   | \$2,500   | \$0             | \$6,250               |  |
| Overhead wire protection / relocation                           |         |         |                    | 0     | \$0       | \$0             | \$0                   | See utility allowance above  |
| Hoisting  | 1       | 1       | 0.5                | 2.5   | \$1,000   | \$0             | \$2,500               |  |
| Street permits / Rentals  |         |         |                    | 0     | \$0       | \$0             | \$0                   | By Owner   |
| Barn Doors Loading Zones  |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Mock Up Support   |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| <b>SUBTOTAL</b>   |         |         |                    |       |           | <b>SUBTOTAL</b> | <b>\$59,750</b>       |  |
| <b>Direct Cost to be Assigned to Bid Packages</b>               |         |         |                    |       |           |                 |                       |  |
| Temporary Heating and Cooling                                   |         |         |                    | 0     | \$2,500   | \$0             | \$0                   |  |
| Temporary Enclosures  |         |         |                    | 0     | \$15,000  | \$0             | \$0                   |  |
| Temp fencing, enclosure, walk, barricade, stair                 | 1       | 1       | 0.5                | 2.5   | \$5,000   | \$0             | \$12,500              | Rentals  |
| OH Protection (Sidewalks)                                       |         |         |                    | 0     | \$350     | \$0             | \$0                   |  |
| Temporary Scaffold Stairs                                       | 1       | 1       | 0.5                | 2.5   | \$1,000   | \$0             | \$2,500               | Rentals  |
| Tarpping For Masonry Winter Work                                |         |         |                    | 0     | \$0       | \$0             | \$0                   | Included in GMP  |
| Tarpping For Building Winter Work (Curtainwall Openings)        |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Temporary Protection of Windows and Snap Cover Comeback         |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Heat for Masonry Winter Work                                    |         |         |                    | 0     | \$0       | \$0             | \$0                   | Included in GMP  |
| Heat for Building Winter Work                                   |         |         |                    | 0     | \$0       | \$0             | \$0                   | Included in GMP  |
| Elevator Operator (Final 3 Months)                              |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Foundation Waterproofing Protection                             |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Floor Flashing / Grinding                                       |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Temporary Walkway Phasing                                       |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Boiler Watch  |         |         |                    | 0     | \$0       | \$0             | \$0                   | Assumed not req'd. Use campus HW   |
| Temporary rain leaders  |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Selective Demolition (Unpurchased Scope)                        |         |         |                    | 0     | \$0       | \$0             | \$0                   |  |
| Winter tarping due to schedule impacts                          |         |         |                    |       |           | \$61,000        | \$61,000              | \$75K carried in lines above   |
| Winter heating equipment due to schedule impacts                |         |         |                    |       |           | \$105,000       | \$105,000             | \$20K carried in lines above   |
| Supplementary Heaters for Façade Work due to schedule impacts   |         |         |                    |       |           | \$0             | \$0                   | \$50K carried in lines above   |
| Fuel for winter heating due to schedule impacts                 |         |         |                    |       |           | \$0             | \$0                   | Carried on General Tab, Utility consumption allowance.                                       |
| Temporary Heating Plan Revisions                                |         |         |                    |       |           | \$0             | \$70,000              | Moved from STEM  |
| <b>SUBTOTAL</b>   |         |         |                    |       |           | <b>SUBTOTAL</b> | <b>\$251,000</b>      |  |
| <b>Subtotal Project Requirements</b>                            |         |         |                    |       |           |                 | <b>\$310,750</b>      |  |

Skanska USA Building  
 Brookline High School  
 General Requirements

General Requirements for Schedule Update PCCO 007  
 FORECAST FOR CRAFT LABOR  
 PROJECT: Project C: STEM

| <b>LABORERS/CARPENTERS</b>      |                 |                    | 40.00          | 40.00          | 40.00          |                              |
|---------------------------------|-----------------|--------------------|----------------|----------------|----------------|------------------------------|
|                                 |                 | <b>Wks</b>         | 4.33           | 4.33           | 4.33           |                              |
| <b>Position</b>                 | <b>Pay Type</b> | <b>Hourly Cost</b> | <b>Month 1</b> | <b>Month 2</b> | <b>Month 3</b> | <b>Total Estimated Value</b> |
| Steward Cypress/ <b>STEM</b>    | Regular         | \$ 80.00           |                |                |                | \$ -                         |
|                                 | Overtime        | \$ 105.00          | 1.00           | 1.00           | 0.50           | \$ 45,465                    |
|                                 | Double Time     | \$ 129.00          |                |                |                | \$ -                         |
| Labor Foreman <b>STEM</b>       | Regular         | \$ 86.00           | 1.0            | 1.0            | 0.50           | \$ 37,238                    |
|                                 | Overtime        | \$ 110.00          | 0.25           | 0.25           | 0.13           | \$ 11,908                    |
|                                 | Double Time     | \$ 137.00          |                |                |                | \$ -                         |
| Daily Cleaning <b>STEM</b> (#1) | Regular         | \$ 80.00           | 1.0            | 1.0            | 0.50           | \$ 34,640                    |
|                                 | Overtime        | \$ 105.00          | 0.25           | 0.25           | 0.13           | \$ 11,366                    |
|                                 | Double Time     | \$ 129.00          |                |                |                | \$ -                         |
| Daily Cleaning <b>STEM</b> (#2) | Regular         | \$ 80.00           |                | 1.0            | 0.50           | \$ 20,784                    |
|                                 | Overtime        | \$ 105.00          |                | 0.25           | 0.13           | \$ 6,820                     |
|                                 | Double Time     | \$ 129.00          |                |                |                | \$ -                         |
| Daily Cleaning <b>STEM</b> (#3) | Regular         | \$ 80.00           |                |                |                | \$ -                         |
|                                 | Overtime        | \$ 105.00          |                |                |                | \$ -                         |
|                                 | Double Time     | \$ 129.00          |                |                |                | \$ -                         |
| Carpenter Foreman               | Regular         | \$ 106.00          | 0.35           | 0.35           | 0.35           | \$ 19,277                    |
| Dave Daniels                    | Overtime        | \$ 137.00          |                |                |                | \$ -                         |
|                                 | Double Time     | \$ 171.00          |                |                |                | \$ -                         |
|                                 |                 |                    | <b>62,672</b>  | <b>81,075</b>  | <b>43,750</b>  | <b>\$ 187,498</b>            |