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 – Tappan Gym and 3rd Floor Renovation
CTA Change Order No. 6 (FY 21)

DATE: October 13, 2021

On the Calendar this week, the Building Department has submitted a request for Change Order Approval for the subject project in the amount of $68,467.51- 19 items. The subject project was approved as part of the High School Project and was designed by William Rawn Associates.

The Owner's Project Manager (Hill) has reviewed the change order and is recommending approval. Please refer to their letter September 30, 2021 for further explanation of the change.

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

TOWN OF BROOKLINE

333 Washington Street, Brookline, Massachusetts 02445

PURCHASE ORDER CHANGE FORM

INVOICE DATE; 08-Oct-21

TO: CTA Construction Managers
400 Totten Pond Road
Waltham MA 02451

Purchase Order Number: 21201438

Vendor Number: 33542

PAYMENT AMOUNT: #REF!

BUDGET $7,821,340.00
BALANCE $8,316,528.85

FUND	AGENCY	ORGANIZATION	ACTIVITY	OBJECT
		254C204		6C0002

FOR: Brookline High School - Tappan Gym

Amendment	Date		AMOUNT
6	8/20/2021	Misc Changes	$68,467.81

BUILDING COMMISSION

APPROVAL OF:

Janet Fierman, Chairman

George Cole

Kenneth Kaplan

Karen Breslawski

Nathan E. Peck

SELECT BOARD

APPROVAL OF:

Heather Hamilton, Chairman

Raul Fernandez

Bernard Greene

John VanScoyoc

Miriam Aschkenasy

SCHOOL COMMITTEE

Samuel Rippin, Assistant Superintendent For Administration and Finance

Hill International

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

September 30, 2021

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

RE: Recommendation to approve CTA Change Order 006

Dear Mr. Masak:

CTA Construction Managers is submitting original copies of Change Order 006 for the Brookline High School Tappan Gym and 3rd Floor Renovation for acceptance by the Town of Brookline (ToB). Hill and WRA have previously reviewed, negotiated where applicable, and agree that all items listed in this Change Order are fair, reasonable for the described scope of work, and are compensable adjustments to the Lump Sum Contract. This change order is an additional cost total of **$68,467.51**.

We have also reviewed CTA's schedule update and request for added time. We provided a response to CTA to extend the contract dates based on the DOR delay, the school schedule delay of a week and days as a result of unforeseen conditions and design issues. The dates in the response are part of this change order. CTA has been solving the issues with the design team and ToB to minimize added time and complete the job. For these reasons we recommend acceptance of this change order.

The PCOs are categorized as follows:

- (3) PCOs is a Design Omission change.
- (0) PCOs are the result of Owner Request changes.
- (15) PCOs are results from unforeseen conditions discovered during demolition of walls and floors.
- (1) PCO is from 3rd party inspection scope change.

An itemized summary is following:

PCO#	CE #	Description	Current Amount	Reason Code
23	30	Tappan Occupancy Sensors	$0.00	Unforeseen
30R1	23	FB #008 - Landscape Utilities	$4,575.07	Unforeseen

36R2	24	Concrete Beam Repair - RFI #080 and the attached Structural Field Report #001 dated 5/13/2021, the existing concrete beam at the basement level will be repaired as follows. Concrete around corroded rebar will be chipped out and the rebar cleaned from rust	$5,643.51	Unforeseen
37R1	47	Existing 6" Drain Pipe	$4,652.07	Unforeseen
38R1	59	RFI #102 - Existing Crack in First Floor Topping - existing crack in the first floor topping slab shown in the attached photographs will be patched and sealed with Sikadur 32 high strength epoxy bonding adhesive	$893.02	Unforeseen
42	63	RFI #073 - Room 001 Duct Conflict - existing panelboard, LB elbow and pullbox will be removed. Existing wires will be pulled back to and installed in a new junction box	$6,530.74	Unforeseen
46	67	RFI #106 - Existing Ductwork K101A - the existing ductwork located behind the security desk will be reinstalled and a new LGMF shaft wall will be constructed to conceal the ductwork.	$4,462.92	Unforeseen
47	68	RFI #132 - Room 302 Cement Hole Patching - existing holes in walls of gym 302 will be patched using drywall compound	$5,253.55	Omission
48	69	Shower Drain Conflict	$1,635.00	Unforeseen
49	70	Existing Fire Dampers Behind Security Desk	$1,747.98	Unforeseen
51	72	RFI #121 - HVAC Diffuser relocation in Excel Office 377B - existing diffuser in Excel Office 377 B can be raised to accommodate as high a finish ceiling elevation as possible	$1,344.19	Unforeseen
52R1	55	Ground Floor Sanitary Line	$9,383.20	Omission
53R1	74	Relocate FP Piping to Accommodate HVAC Duct	$1,689.10	Unforeseen
54R1	75	Relocate FP Main & Branch to Accommodate HVAC Duct - existing fire protection main and branch lines have been relocated to accommodate installation of new HVAC ductwork in the basement.	$3,824.38	Unforeseen
56R1	73	SKA 001 - Ground Floor FP Line - ground floor fire protection line running parallel to Gridline T4.	$4,452.62	Scope Change
57	84	Wall Staining at Mezzanine	$1,016.87	Omission

59	46	Utility Vault - RFI 074 existing electrical, gas, and fire protection items have been removed and/or relocated to avoid conflict with the installation of the new 12x17 beam at VA Line. A portion of the work has previously been performed on a T&M basis	$6,356.33	Unforeseen
60	83	Existing Tel-Data and Low Voltage Wiring (Gym First Floor)	$1,144.42	Unforeseen
61	77	Miscellaneous Electrical Demolition	$3,862.84	Unforeseen

Based on the above, Hill recommends to ToB approval of Change Order 006 to CTA Construction Managers lump sum contract.

Very truly yours,

Andy Vo, PMP, CCM, LEED AP, MCPPO
Sr. Project Manager

CTA Construction Managers

PCCO #006

CTA Construction Managers
400 Totten Pond Road
Waltham, 02451
Phone: (781) 786-6600

Project: 2020-02 - Brookline High School Tappan Gym and 3rd Floor Renovation
115 Greenough St
Brookline, Massachusetts 02445

Prime Contract Change Order #006: OCO #006

TO:	**Town of Brookline** 333 Washington Street, 3rd Floor Brookline, Massachusetts 02445	**FROM:**	**CTA Construction Managers, LLC** 400 Totten Pond Road, 2nd Floor Waltham, Massachusetts 02451
DATE CREATED:	8/20/2021	**CREATED BY:**	Robert Harrington **(CTA Construction Managers, LLC)**
CONTRACT STATUS:	Approved	**REVISION:**	0
DESIGNATED REVIEWER:		**REVIEWED BY:**	
DUE DATE:		**REVIEW DATE:**	10/01/2021
INVOICED DATE:		**PAID DATE:**	
SCHEDULE IMPACT:		**EXECUTED:**	No
		SIGNED CHANGE ORDER RECEIVED DATE:	
CONTRACT FOR:	1:Brookline High School Tappan Gym and 3rd Floor Renovation	**TOTAL AMOUNT:**	$68,467.81 COFM

DESCRIPTION:
Per correspondence with the awarding authority and the architect, the following PCO's have been approved: PCO #023, PCO #030r1, PCO #036r2, PCO #037r1, PCO #038r1, PCO #042, PCO #046, PCO #047, PCO #048, PCO #049, PCO #051, PCO #052r1, PCO #053r1, PCO #054r1, PCO #056r1, PCO #057, PCO #059, PCO #060, PCO #061. Please see below for additional information regarding specific PCO's.

The Substantial Completion Dates are revised per the list below. The Town of Brookline will consider costs associated with overtime as required to execute the work in accordance with this schedule.

Tappan Gym Exterior: 11/24/21
Wood bench installation would not impact Substantial Completion of the Gym Exterior
Tappan Gym Interior: 11/24/21
Kirrane Pool Entrance Vestibule: 12/15/21

Project D 3rd floor West Portion: 8/31/21

Project D 3rd Floor East Portion: 11/26/21

ATTACHMENTS:

POTENTIAL CHANGE ORDERS IN THIS CHANGE ORDER:

PCO #	Title	Schedule Impact	Amount
023	CE #030 - FB 010 - Tappan Occupancy Sensors		$0.00
030r1	CE #023 - FB-008 & RFI #075 Landscape Utilities		$4,575.07
036r2	CE #024 - RFI #080 - Basement Concrete Beam Repair	4 days	$5,643.51
037r1	CE #047 - RFI #087 - Existing 6" Drain Pipe		$4,652.07
038r1	CE #059 - RFI #102 - Existing Crack in First Floor Topping		$893.02
042	CE #063 - RFI #073 - Room 001 Duct Conflict		$6,530.74
046	CE #067 - RFI #106 - Existing Ductwork K101A		$4,462.92
047	CE #068 - RFI #132 - Room 302 Cement Hole Patching		$5,253.55
048	CE #069 - RFI #127 - Shower Drain Conflict		$1,635.00
049	CE #070 - Existing Fire Dampers Behind Security Desk		$1,747.98
051	CE #072 - RFI #121 - HVAC Diffuser Dilemma in Excel Office 377B		$1,344.19
052r1	CE #055 - FB #014.1 - Ground Floor Sanitary Line		$9,383.20
053r1	CE #074 - Relocate FP Piping to Accommodate HVAC Duct		$1,689.10

054r1	CE #075 - Relocate FP Main & Branch to Accommodate HVAC Duct		$3,824.38
056r1	CE #073 - SKA 001 - Ground Floor FP Line		$4,452.62
057	CE #081 - RFI #149 - Wall Staining at Mezzanine		$1,016.87
059	CE #046 - RFI #074 - Utility Vault		$6,356.33
060	CE #083 - RFI #108 - Existing Tel-Data & Low Voltage Wiring (Gym First Floor)		$1,144.42
061	CE #077 - Miscellaneous Electrical Demolition		$3,862.84
		Total:	$68,467.81

CHANGE ORDER LINE ITEMS:

PCO # 023: CE #030 - FB 010 - Tappan Occupancy Sensors

#	Budget Code	Description	Amount
1	16-100.FSB Electrical.Filed Sub Bidder	No Cost Change	$0.00
		Subtotal:	**$0.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$0.00
		B&I (1.20% Applies to all line item types.):	$0.00
		Grand Total:	**$0.00**

PCO # 030r1: CE #023 - FB-008 & RFI #075 Landscape Utilities

#	Budget Code	Description	Amount
1	16-100.FSB Electrical.Filed Sub Bidder		$(7,971.70)
2	04-200.FSB Masonry Units.Filed Sub Bidder		$0.00
3	03-210.CTA Direct Cast-In-Place Concrete.CTA Direct		$1,420.00
4	03-050.CTA Sub Concrete Subcontractor.CTA Sub		$7,544.00
5	03-100.CTA Sub Concrete Reinforcement.CTA Sub	Additional Reinforcement per FB #008	$1,978.00
6	03-100.CTA Sub Concrete Reinforcement.CTA Sub	Additional Wing Wall Reinforcement	$1,200.00
		Subtotal:	**$4,170.30**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$213.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$137.52
		B&I (1.20% Applies to all line item types.):	$54.25
		Grand Total:	**$4,575.07**

PCO # 036r2: CE #024 - RFI #080 - Basement Concrete Beam Repair

#	Budget Code	Description	Amount
1	03-050.CTA Sub Concrete Subcontractor.CTA Sub		$1,897.00
2	09-250.CTA Sub Gypsum Wallboard.CTA Sub		$2,893.80
3	03-210.CTA Direct Cast-In-Place Concrete.CTA Direct	Concrete Materials	$475.00
		Subtotal:	**$5,265.80**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$71.25
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$239.54
		B&I (1.20% Applies to all line item types.):	$66.92
		Grand Total:	**$5,643.51**

PCO # 037r1: CE #047 - RFI #087 - Existing 6" Drain Pipe

#	Budget Code	Description	Amount
1	15-100.FSB Plumbing.Filed Sub Bidder		$771.16
2	01-903.CTA Sub Hazardous Materials Abatement.CTA Sub		$2,158.88
3	03-050.CTA Sub Concrete Subcontractor.CTA Sub		$1,174.16

#	Budget Code	Description	Amount
4	03-210.CTA Direct Cast-In-Place Concrete.CTA Direct		$250.00
		Subtotal:	**$4,354.20**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$37.50
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$205.21
		B&I (1.20% Applies to all line item types.):	$55.16
		Grand Total:	**$4,652.07**

PCO # 038r1: CE #059 - RFI #102 - Existing Crack in First Floor Topping

#	Budget Code	Description	Amount
1	03-050.CTA Sub Concrete Subcontractor.CTA Sub		$687.08
2	02-000.CTA Direct General.CTA Direct	Concrete Materials	$140.00
		Subtotal:	**$827.08**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$21.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$34.35
		B&I (1.20% Applies to all line item types.):	$10.59
		Grand Total:	**$893.02**

PCO # 042: CE #063 - RFI #073 - Room 001 Duct Conflict

#	Budget Code	Description	Amount
1	01-903.CTA Sub Hazardous Materials Abatement.CTA Sub		$200.00
2	16-100.FSB Electrical.Filed Sub Bidder		$5,946.00
		Subtotal:	**$6,146.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$307.30
		B&I (1.20% Applies to all line item types.):	$77.44
		Grand Total:	**$6,530.74**

PCO # 046: CE #067 - RFI #106 - Existing Ductwork K101A

#	Budget Code	Description	Amount
1	09-250.CTA Sub Gypsum Wallboard.CTA Sub		$4,200.00
2	15-700.FSB Heating, Venting and Air Conditioning.Filed Sub Bidder		$0.00
		Subtotal:	**$4,200.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$210.00
		B&I (1.20% Applies to all line item types.):	$52.92
		Grand Total:	**$4,462.92**

PCO # 047: CE #068 - RFI #132 - Room 302 Cement Hole Patching

#	Budget Code	Description	Amount
1	09-250.CTA Sub Gypsum Wallboard.CTA Sub		$4,725.00
2	02-000.CTA Direct General.CTA Direct	Lifts	$200.00
		Subtotal:	**$4,925.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$30.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$236.25
		B&I (1.20% Applies to all line item types.):	$62.30
		Grand Total:	**$5,253.55**

PCO # 048: CE #069 - RFI #127 - Shower Drain Conflict

#	Budget Code	Description	Amount
1	15-100.FSB Plumbing.Filed Sub Bidder		$1,538.68
		Subtotal:	**$1,538.68**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$76.93
		B&I (1.20% Applies to all line item types.):	$19.39
		Grand Total:	**$1,635.00**

PCO # 049: CE #070 - Existing Fire Dampers Behind Security Desk

#	Budget Code	Description	Amount
1	15-700.FSB Heating, Venting and Air Conditioning.Filed Sub Bidder		$1,645.00
		Subtotal:	**$1,645.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$82.25
		B&I (1.20% Applies to all line item types.):	$20.73
		Grand Total:	**$1,747.98**

PCO # 051: CE #072 - RFI #121 - HVAC Diffuser Dilemma in Excel Office 377B

#	Budget Code	Description	Amount
1	15-700.FSB Heating, Venting and Air Conditioning.Filed Sub Bidder		$1,265.00
		Subtotal:	**$1,265.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$63.25
		B&I (1.20% Applies to all line item types.):	$15.94
		Grand Total:	**$1,344.19**

PCO # 052r1: CE #055 - FB #014.1 - Ground Floor Sanitary Line

#	Budget Code	Description	Amount
1	01-903.CTA Sub Hazardous Materials Abatement.CTA Sub		$556.84
2	09-250.CTA Sub Gypsum Wallboard.CTA Sub		$4,179.00
3	09-300.FSB Tile.Filed Sub Bidder		$4,094.58
		Subtotal:	**$8,830.42**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$441.52
		B&I (1.20% Applies to all line item types.):	$111.26
		Grand Total:	**$9,383.20**

PCO # 053r1: CE #074 - Relocate FP Piping to Accommodate HVAC Duct

#	Budget Code	Description	Amount
1	15-300.FSB Fire Protection Piping.Filed Sub Bidder		$1,589.59
		Subtotal:	**$1,589.59**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$79.48
		B&I (1.20% Applies to all line item types.):	$20.03
		Grand Total:	**$1,689.10**

CTA Construction Managers

PCCO #006

PCO # 054r1: CE #075 - Relocate FP Main & Branch to Accommodate HVAC Duct

#	Budget Code	Description	Amount
1	15-300.FSB Fire Protection Piping.Filed Sub Bidder		$3,599.08
		Subtotal:	**$3,599.08**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$179.95
		B&I (1.20% Applies to all line item types.):	$45.35
		Grand Total:	**$3,824.38**

PCO # 056r1: CE #073 - SKA 001 - Ground Floor FP Line

#	Budget Code	Description	Amount
1	15-300.FSB Fire Protection Piping.Filed Sub Bidder		$3,176.62
2	01-903.CTA Sub Hazardous Materials Abatement.CTA Sub		$1,013.68
		Subtotal:	**$4,190.30**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$209.52
		B&I (1.20% Applies to all line item types.):	$52.80
		Grand Total:	**$4,452.62**

PCO # 057: CE #081 - RFI #149 - Wall Staining at Mezzanine

#	Budget Code	Description	Amount
1	09-900.FSB Paints and Coatings.Filed Sub Bidder		$956.96
		Subtotal:	**$956.96**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$47.85
		B&I (1.20% Applies to all line item types.):	$12.06
		Grand Total:	**$1,016.87**

PCO # 059: CE #046 - RFI #074 - Utility Vault

#	Budget Code	Description	Amount
1	16-100.FSB Electrical.Filed Sub Bidder	T&M Work	$2,692.00
2	15-300.FSB Fire Protection Piping.Filed Sub Bidder		$2,453.22
3	15-100.FSB Plumbing.Filed Sub Bidder	T&M Work	$274.22
4	15-100.FSB Plumbing.Filed Sub Bidder	Estimated Work	$562.43
		Subtotal:	**$5,981.87**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$299.09
		B&I (1.20% Applies to all line item types.):	$75.37
		Grand Total:	**$6,356.33**

PCO # 060: CE #083 - RFI #108 - Existing Tel-Data & Low Voltage Wiring (Gym First Floor)

#	Budget Code	Description	Amount
1	16-100.FSB Electrical.Filed Sub Bidder		$1,077.00
		Subtotal:	**$1,077.00**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$53.85
		B&I (1.20% Applies to all line item types.):	$13.57
		Grand Total:	**$1,144.42**

CTA Construction Managers

PCCO #006

PCO # 061: CE #077 - Miscellaneous Electrical Demolition

#	Budget Code	Description	Amount
1	16-100.FSB Electrical.Filed Sub Bidder		$3,635.28
		Subtotal:	**$3,635.28**
		Direct Work OHP (15.00% Applies to CTA Direct.):	$0.00
		Subcontractor OHP (5.00% Applies to Filed Sub Bidder and CTA Sub .):	$181.76
		B&I (1.20% Applies to all line item types.):	$45.80
		Grand Total:	**$3,862.84**

The original (Contract Sum)	$7,821,340.00
Net change by previously authorized Change Orders	$426,721.04
The contract sum prior to this Change Order was	$8,248,061.04
The contract sum will be increased by this Change Order in the amount of	$68,467.81
The new contract sum including this Change Order will be	$8,316,528.85

The contract time will not be changed by this Change Order.

WRA Team (William Rawn Associates)
10 Post Office Sq. Suite 1010
Boston, Massachusetts 02109

SIGNATURE **DATE**

Town of Brookline
333 Washington Street, 3rd Floor
Brookline, Massachusetts 02445

SIGNATURE **DATE**

CTA Construction Managers, LLC
400 Totten Pond Road, 2nd Floor
Waltham, Massachusetts 02451

10/6/21

SIGNATURE **DATE**

CTA Construction Managers

October 1, 2021 Via Email

Mr. Andy Vo
Hill International, Inc.
75 Second Avenue, Suite 300
Needham, MA 02494

RE: Brookline High School Tappan Gym and Third Floor
Schedule Update and Request for Extension of Time.

Dear Mr. Vo:

Attached please find our Schedule Update dated September 30, 2021, which reflects construction progress through September 30, 2021. As you are aware we have encountered multiple unforeseen conditions and there are many PCOs in process and unresolved at this time. Not all PCOs and unforeseen conditions have been incorporated into the current project schedule due to the unknown nature of these activities. CTA will continue to work towards a timely completion of the project in accordance with the dates shown in the attached schedule

If you have any questions, please feel free to contact me at any time.

Sincerely,
CTA Construction Co., Inc.

Robert Harrington
Assistant Project Manager

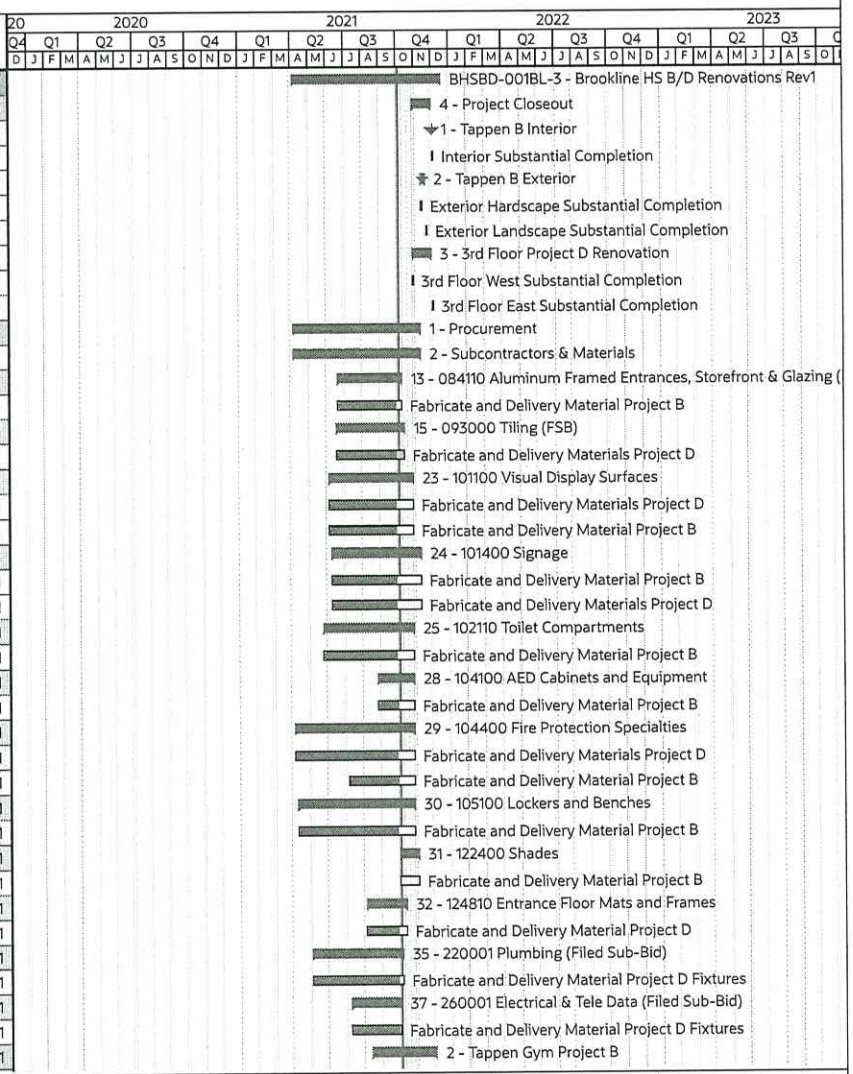
CC:
Paul Kalous, Andy Felix, Andy Vo – Hill International, Inc. (via email only)
Andrew Jonic, Mark Borreliz, Jeanne Carey – William Rawn Associates Architects, Inc. (via email only)
Patrick Tompkins, Steven Parent, Jack Toland – CTA Construction Managers (via email only)

Brookline HS Tappan Gym and Classroom Renovation

September Schedule Update

Data Date: 30-Sep-21

ID	Name	Remaini... Duration	Start	Finish
	BHSBD-001BL-3 - Brookline HS B/D Renovations Rev1	56d	01-Apr-21 A	16-Dec-21
	4 - Project Closeout	25d	27-Oct-21	30-Nov-21
	1 - Tappen B Interior	1d	29-Nov-21	30-Nov-21
A	Interior Substantial Completion	1d	29-Nov-21	30-Nov-21
	2 - Tappen B Exterior	6d	11-Nov-21	18-Nov-21
A	Exterior Hardscape Substantial Completion	1d	11-Nov-21	11-Nov-21
A	Exterior Landscape Substantial Completion	1d	18-Nov-21	18-Nov-21
	3 - 3rd Floor Project D Renovation	25d	27-Oct-21	30-Nov-21
A	3rd Floor West Substantial Completion	1d	27-Oct-21	27-Oct-21
A	3rd Floor East Substantial Completion	1d	30-Nov-21	30-Nov-21
	1 - Procurement	30d	01-Apr-21 A	10-Nov-21
	2 - Subcontractors & Materials	30d	01-Apr-21 A	10-Nov-21
	13 - 084110 Aluminum Framed Entrances, Storefront & Glazing (FSB)	6d	17-Jun-21 A	07-Oct-21
	Fabricate and Delivery Material Project B	6d	17-Jun-21 A	07-Oct-21
	15 - 093000 Tiling (FSB)	10d	14-Jun-21 A	13-Oct-21
	Fabricate and Delivery Materials Project D	10d	14-Jun-21 A	13-Oct-21
	23 - 101100 Visual Display Surfaces	20d	01-Jun-21 A	27-Oct-21
	Fabricate and Delivery Materials Project D	20d	01-Jun-21 A	27-Oct-21
	Fabricate and Delivery Material Project B	20d	01-Jun-21 A	27-Oct-21
	24 - 101400 Signage	30d	07-Jun-21 A	10-Nov-21
	Fabricate and Delivery Material Project B	30d	07-Jun-21 A	10-Nov-21
	Fabricate and Delivery Materials Project D	30d	07-Jun-21 A	10-Nov-21
	25 - 102110 Toilet Compartments	20d	21-May-21 A	27-Oct-21
	Fabricate and Delivery Material Project B	20d	21-May-21 A	27-Oct-21
	28 - 104100 AED Cabinets and Equipment	20d	23-Aug-21 A	27-Oct-21
	Fabricate and Delivery Material Project B	20d	23-Aug-21 A	27-Oct-21
	29 - 104400 Fire Protection Specialties	20d	01-Apr-21 A	27-Oct-21
	Fabricate and Delivery Materials Project D	20d	01-Apr-21 A	27-Oct-21
	Fabricate and Delivery Material Project B	20d	05-Jul-21 A	27-Oct-21
	30 - 105100 Lockers and Benches	20d	06-Apr-21 A	27-Oct-21
	Fabricate and Delivery Material Project B	20d	06-Apr-21 A	27-Oct-21
	31 - 122400 Shades	25d	30-Sep-21 A	03-Nov-21
	Fabricate and Delivery Material Project B	25d	30-Sep-21 A	03-Nov-21
	32 - 124810 Entrance Floor Mats and Frames	10d	02-Aug-21 A	13-Oct-21
	Fabricate and Delivery Material Project D	10d	02-Aug-21 A	13-Oct-21
	35 - 220001 Plumbing (Filed Sub-Bid)	5d	30-Apr-21 A	06-Oct-21
	Fabricate and Delivery Material Project D Fixtures	5d	30-Apr-21 A	06-Oct-21
	37 - 260001 Electrical & Tele Data (Filed Sub-Bid)	2d	06-Jul-21 A	01-Oct-21
	Fabricate and Delivery Material Project D Fixtures	2d	06-Jul-21 A	01-Oct-21
	2 - Tappen Gym Project B	46d	11-Aug-21 A	02-Dec-21



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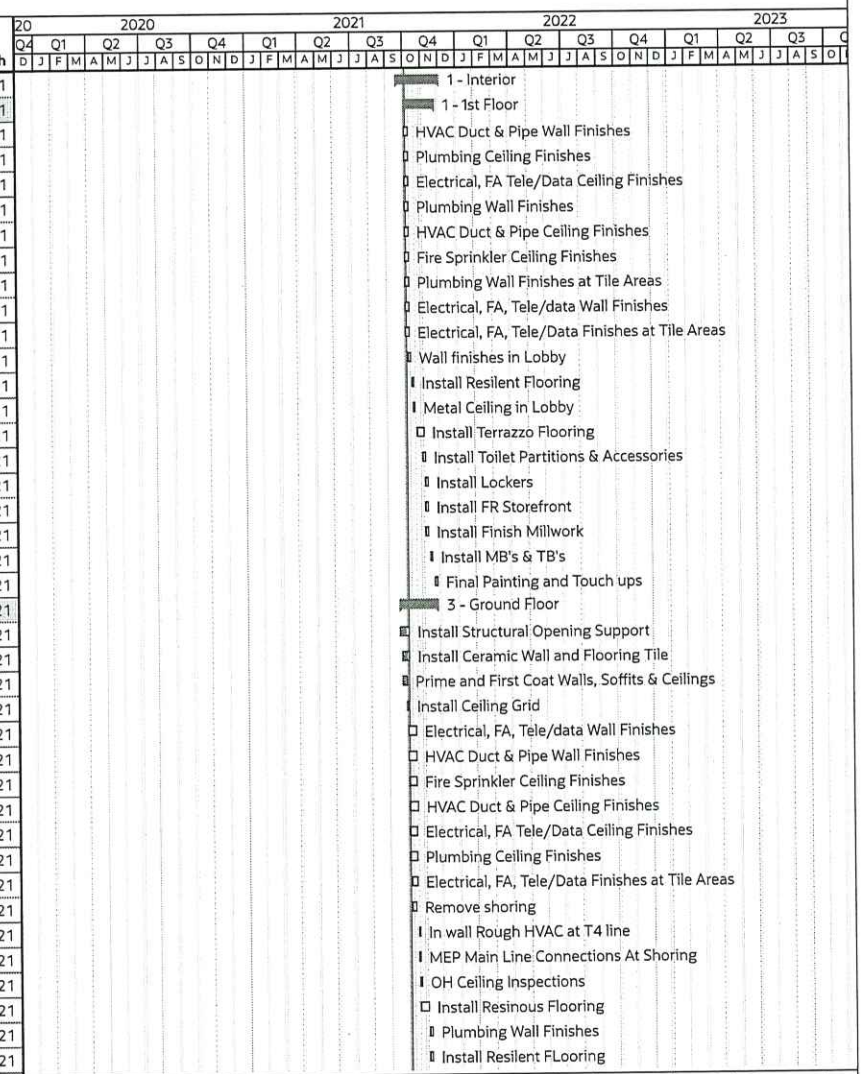
Brookline HS Tappan Gym and Classroom Renovation

September Schedule Update

Data Date: 30-Sep-21

ID	Name	Remaini... Duration	Start	Finish
	1 - Interior	46d	16-Sep-21 A	02-Dec-21
	1 - 1st Floor	38d	30-Sep-21	22-Nov-21
	HVAC Duct & Pipe Wall Finishes	7d	30-Sep-21	08-Oct-21
	Plumbing Ceiling Finishes	7d	30-Sep-21	08-Oct-21
	Electrical, FA Tele/Data Ceiling Finishes	7d	30-Sep-21	08-Oct-21
	Plumbing Wall Finishes	7d	30-Sep-21	08-Oct-21
	HVAC Duct & Pipe Ceiling Finishes	7d	30-Sep-21	08-Oct-21
	Fire Sprinkler Ceiling Finishes	7d	30-Sep-21	08-Oct-21
	Plumbing Wall Finishes at Tile Areas	7d	30-Sep-21	08-Oct-21
	Electrical, FA, Tele/data Wall Finishes	7d	30-Sep-21	08-Oct-21
	Electrical, FA, Tele/Data Finishes at Tile Areas	7d	30-Sep-21	08-Oct-21
	Wall finishes in Lobby	5d	05-Oct-21	11-Oct-21
	Install Resilent Flooring	5d	11-Oct-21	15-Oct-21
	Metal Ceiling in Lobby	5d	12-Oct-21	18-Oct-21
	Install Terrazzo Flooring	10d	19-Oct-21	01-Nov-21
	Install Toilet Partitions & Accessories	5d	28-Oct-21	03-Nov-21
	Install Lockers	5d	02-Nov-21	08-Nov-21
	Install FR Storefront	5d	02-Nov-21	08-Nov-21
	Install Finish Millwork	5d	02-Nov-21	08-Nov-21
	Install MB's & TB's	3d	11-Nov-21	15-Nov-21
	Final Painting and Touch ups	5d	16-Nov-21	22-Nov-21
	3 - Ground Floor	38d	16-Sep-21 A	22-Nov-21
	Install Structural Opening Support	3d	16-Sep-21 A	04-Oct-21
	Install Ceramic Wall and Flooring Tile	2d	20-Sep-21 A	04-Oct-21
	Prime and First Coat Walls, Soffits & Ceilings	1d	22-Sep-21 A	30-Sep-21
	Install Ceiling Grid	1d	27-Sep-21 A	01-Oct-21
	Electrical, FA, Tele/data Wall Finishes	11d	30-Sep-21	15-Oct-21
	HVAC Duct & Pipe Wall Finishes	11d	30-Sep-21	15-Oct-21
	Fire Sprinkler Ceiling Finishes	10d	01-Oct-21	15-Oct-21
	HVAC Duct & Pipe Ceiling Finishes	11d	01-Oct-21	18-Oct-21
	Electrical, FA Tele/Data Ceiling Finishes	10d	01-Oct-21	15-Oct-21
	Plumbing Ceiling Finishes	10d	01-Oct-21	15-Oct-21
	Electrical, FA, Tele/Data Finishes at Tile Areas	9d	04-Oct-21	15-Oct-21
	Remove shoring	7d	05-Oct-21	13-Oct-21
	In wall Rough HVAC at T4 line	2d	14-Oct-21	15-Oct-21
	MEP Main Line Connections At Shoring	3d	14-Oct-21	18-Oct-21
	OH Ceiling Inspections	2d	18-Oct-21	19-Oct-21
	Install Resinous Flooring	10d	18-Oct-21	01-Nov-21
	Plumbing Wall Finishes	5d	01-Nov-21	08-Nov-21
	Install Resilent FLooring	5d	01-Nov-21	08-Nov-21



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Brookline HS Tappan Gym and Classroom Renovation

September Schedule Update

Data Date: 30-Sep-21

ID	Name	Remaini... Duration	Start	Finish
	Plumbing Wall Finishes at Tile Areas	5d	01-Nov-21	08-Nov-21
	Install Ceiling Tiles	2d	01-Nov-21	03-Nov-21
	Install Lockers	5d	08-Nov-21	15-Nov-21
	Install MB's & TB's	3d	08-Nov-21	11-Nov-21
	Install Toilet Partitions & Accessories	3d	08-Nov-21	11-Nov-21
	Install Finish Millwork	5d	08-Nov-21	15-Nov-21
	Final Painting and Touch ups	5d	15-Nov-21	22-Nov-21
	4 - Gym, 2nd Floor & Mezz.	5d	30-Sep-21	06-Oct-21
	Install Resilent Flooring	5d	30-Sep-21	06-Oct-21
	6 - Project B System Startups Startups	24d	15-Oct-21	18-Nov-21
	Fire Sprinkler Testing & Flushing	5d	15-Oct-21	22-Oct-21
	Electrical Power System Startup	5d	15-Oct-21	22-Oct-21
	HVAC Controls Programing	5d	22-Oct-21	29-Oct-21
	Electrical Lighting Startup	5d	22-Oct-21	29-Oct-21
	HVAC Equipment Startup	5d	29-Oct-21	05-Nov-21
	HVAC TAB	7d	05-Nov-21	16-Nov-21
	Plumbing Equipment Startup	5d	08-Nov-21	15-Nov-21
	Fire Alarm Testing and Startup	5d	09-Nov-21	15-Nov-21
	Plumbing Flush and Chlorination	3d	15-Nov-21	18-Nov-21
	2 - Project B Interior Closeout	25d	29-Oct-21	02-Dec-21
	Electrical Final Inspection	3d	29-Oct-21	03-Nov-21
	Fire Sprinkler & Fire Alarm Final Inspection	3d	16-Nov-21	18-Nov-21
	Electrical Affidavit	1d	16-Nov-21	16-Nov-21
	FP Affidavit	1d	16-Nov-21	16-Nov-21
	HVAC Affidavit	1d	16-Nov-21	17-Nov-21
	Plumbing Final Inspection	2d	18-Nov-21	22-Nov-21
	Plumbing Affidavit	1d	22-Nov-21	23-Nov-21
	CTA Worklist	5d	23-Nov-21	29-Nov-21
	Architectural Affidavit	1d	23-Nov-21	24-Nov-21
	Building Inspector Final Inspection	2d	24-Nov-21	26-Nov-21
	Certificate of Occupancy	1d	26-Nov-21	29-Nov-21
	MEP Designer Punchlists	4d	29-Nov-21	02-Dec-21
	Architect Punchlist	4d	29-Nov-21	02-Dec-21
	3 - Exterior	35d	11-Aug-21 A	17-Nov-21
	1 - Vestibules	35d	11-Aug-21 A	17-Nov-21
	1 - Tappen Vestibule	26d	11-Aug-21 A	04-Nov-21
	Form, prep & Pour Structural infill, Walls & Beams	3d	11-Aug-21 A	04-Oct-21
	Fire Proofing Canopy Steel	1d	29-Sep-21 A	05-Oct-21
	Install Entrance Storefront System	5d	08-Oct-21	14-Oct-21
	Install Rough Electrrc	2d	15-Oct-21	18-Oct-21

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Brookline HS Tappan Gym and Classroom Renovation

September Schedule Update

Data Date: 30-Sep-21

ID	Name	Remaini... Duration	Start	Finish
	Install GWB, Tape & Finish	5d	19-Oct-21	25-Oct-21
	Primer & First Coat Paint	2d	26-Oct-21	27-Oct-21
	Electrical Finishes	2d	28-Oct-21	29-Oct-21
	Finish Flooring	2d	01-Nov-21	02-Nov-21
	Final Paint	2d	03-Nov-21	04-Nov-21
	2 - Kirrane Vestibule	24d	15-Oct-21	17-Nov-21
	Selective Demo Tappen Structural Opening	2d	15-Oct-21	18-Oct-21
	Form, prep & Pour Structural infill, Walls & Beams	3d	19-Oct-21	21-Oct-21
	Erect Canopy Steel & Decking	2d	22-Oct-21	25-Oct-21
	Fire Proofing Canopy Steel	2d	26-Oct-21	27-Oct-21
	LGMF Framing and roof Blocking	1d	28-Oct-21	28-Oct-21
	Install Roofing System	2d	29-Oct-21	01-Nov-21
	Install Entrance Storefront System	4d	02-Nov-21	05-Nov-21
	Install Rough Electrrc	2d	08-Nov-21	09-Nov-21
	Install GWB, Tape & Finish	2d	10-Nov-21	11-Nov-21
	Primer & First Coat Paint	1d	12-Nov-21	12-Nov-21
	Electrical Finishes	1d	15-Nov-21	15-Nov-21
	Finish Flooring	1d	16-Nov-21	16-Nov-21
	Final Paint	1d	17-Nov-21	17-Nov-21
	2 - Hardscapes	27d	30-Sep-21	05-Nov-21
	1 - Demo, Foundations & Prep Work	7d	30-Sep-21	08-Oct-21
	Backfill West Side Foundations	2d	30-Sep-21	01-Oct-21
	Form, Prep, Pour & Strip Central & East Side Foundations	5d	30-Sep-21	06-Oct-21
	Backfill East Side Foundatinos	2d	07-Oct-21	08-Oct-21
	3 - Finishes	20d	11-Oct-21	05-Nov-21
	Install Wood Benches	5d	11-Oct-21	15-Oct-21
	Install Concrete Unit Pavers	5d	11-Oct-21	15-Oct-21
	Install Masonry at West Side	15d	11-Oct-21	29-Oct-21
	Install Masonry unit pavers	8d	25-Oct-21	03-Nov-21
	Form & Pour Sidewalks	4d	01-Nov-21	04-Nov-21
	Install Site Accessories	2d	04-Nov-21	05-Nov-21
	3 - Landscapes	35d	30-Sep-21	17-Nov-21
	Install Drip Edge and Backfill	5d	30-Sep-21	06-Oct-21
	Final Grading & loaming	4d	05-Nov-21	10-Nov-21
	Install Irrigation System	3d	11-Nov-21	15-Nov-21
	Install Plantings	3d	11-Nov-21	15-Nov-21
	Install Lawn & Grasses	2d	16-Nov-21	17-Nov-21
	4 - Project B Exterior Closeout	9d	29-Oct-21	10-Nov-21
	CTA Worklist	5d	29-Oct-21	04-Nov-21
	Architect Punchlist	1d	05-Nov-21	05-Nov-21

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Brookline HS Tappan Gym and Classroom Renovation

September Schedule Update

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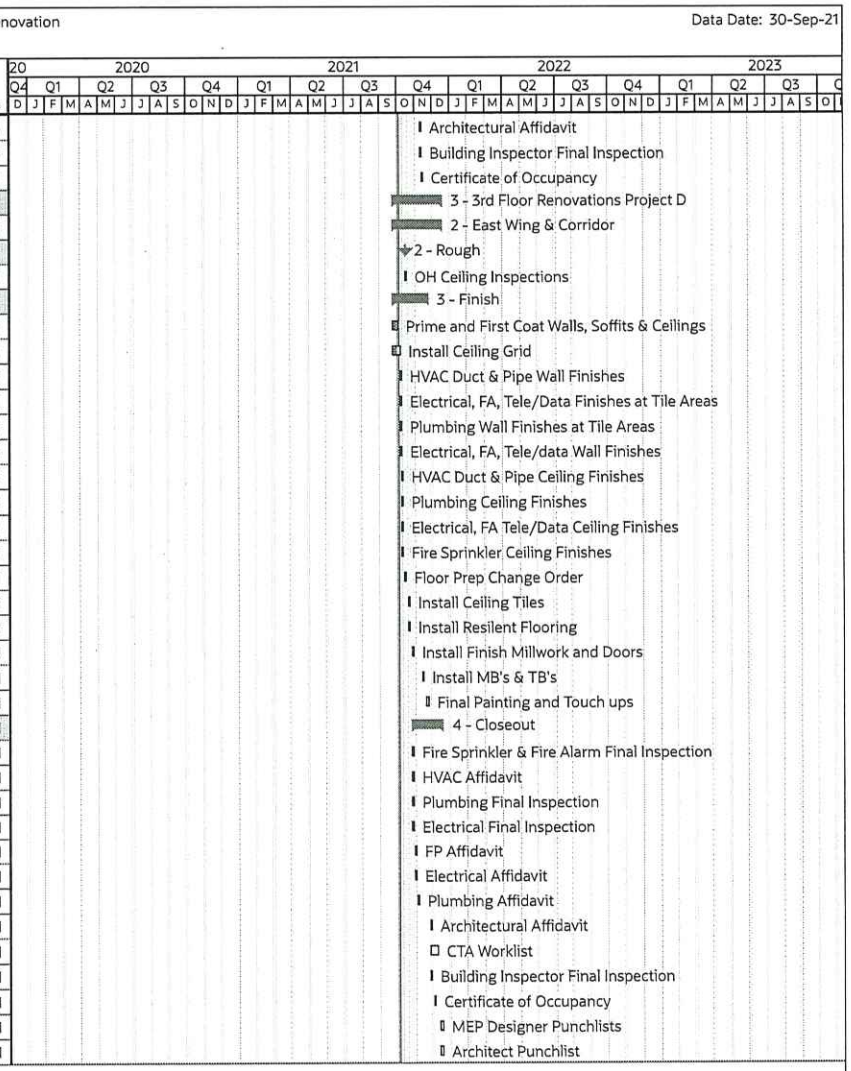
ID	Name	Remaini... Duration	Start	Finish
	Architectural Affidavit	1d	08-Nov-21	08-Nov-21
	Building Inspector Final Inspection	1d	09-Nov-21	09-Nov-21
	Certificate of Occupancy	1d	10-Nov-21	10-Nov-21
	3 - 3rd Floor Renovations Project D	56d	20-Sep-21 A	16-Dec-21
	2 - East Wing & Corridor	56d	20-Sep-21 A	16-Dec-21
	2 - Rough	2d	12-Oct-21	13-Oct-21
	OH Ceiling Inspections	2d	12-Oct-21	13-Oct-21
	3 - Finish	38d	20-Sep-21 A	22-Nov-21
	Prime and First Coat Walls, Soffits & Ceilings	2d	20-Sep-21 A	01-Oct-21
	Install Ceiling Grid	5d	22-Sep-21 A	06-Oct-21
	HVAC Duct & Pipe Wall Finishes	3d	04-Oct-21	06-Oct-21
	Electrical, FA, Tele/Data Finishes at Tile Areas	3d	04-Oct-21	06-Oct-21
	Plumbing Wall Finishes at Tile Areas	3d	04-Oct-21	06-Oct-21
	Electrical, FA, Tele/data Wall Finishes	5d	04-Oct-21	08-Oct-21
	HVAC Duct & Pipe Ceiling Finishes	3d	07-Oct-21	11-Oct-21
	Plumbing Ceiling Finishes	3d	07-Oct-21	11-Oct-21
	Electrical, FA Tele/Data Ceiling Finishes	3d	07-Oct-21	11-Oct-21
	Fire Sprinkler Ceiling Finishes	3d	07-Oct-21	11-Oct-21
	Floor Prep Change Order	5d	11-Oct-21	15-Oct-21
	Install Ceiling Tiles	5d	18-Oct-21	22-Oct-21
	Install Resilent Flooring	5d	18-Oct-21	22-Oct-21
	Install Finish Millwork and Doors	5d	25-Oct-21	29-Oct-21
	Install MB's & TB's	3d	11-Nov-21	15-Nov-21
	Final Painting and Touch ups	5d	16-Nov-21	22-Nov-21
	4 - Closeout	39d	25-Oct-21	16-Dec-21
	Fire Sprinkler & Fire Alarm Final Inspection	3d	25-Oct-21	27-Oct-21
	HVAC Affidavit	1d	25-Oct-21	25-Oct-21
	Plumbing Final Inspection	5d	25-Oct-21	29-Oct-21
	Electrical Final Inspection	3d	25-Oct-21	27-Oct-21
	FP Affidavit	1d	28-Oct-21	28-Oct-21
	Electrical Affidavit	1d	28-Oct-21	28-Oct-21
	Plumbing Affidavit	1d	01-Nov-21	01-Nov-21
	Architectural Affidavit	1d	23-Nov-21	23-Nov-21
	CTA Worklist	13d	23-Nov-21	09-Dec-21
	Building Inspector Final Inspection	3d	24-Nov-21	26-Nov-21
	Certificate of Occupancy	1d	29-Nov-21	29-Nov-21
	MEP Designer Punchlists	5d	10-Dec-21	16-Dec-21
	Architect Punchlist	5d	10-Dec-21	16-Dec-21



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