

CHANGE
ORDER

AIA DOCUMENT G701

CO #09 OWNER

ARCHITECT

CONTRACTOR

FIELD

OTHER

☐

☐

☒

☐

☐

PROJECT: Brookline High School

115 Greenough Street

BROOKLINE, MA 02445

TO CONTRACTOR:

LAMBRIAN CONSTRUCTION Corp.

CHANGE ORDER NUMBER: 009

DATE: 1/11/2023

ARCHITECT'S PROJECT NO.:

CONTRACT DATE: March 29, 2022

CONTRACT FOR: 3rd Floor Renovation & Quad Repairs

The Contract is changed as follows:

Approved Values

PCO#50R - CM CONWAY_Planters Area Regradign , per RFI 100.

\$3,798.00

PCO#55R - EEC_Additional End Caps @ new lights.

\$6,205.00

PCO#56 - EEC_Remove Receptacles @ Stage Wall.

\$1,187.00

PCO#59 - CM CONWAY_Soil Removal / Disposal.

\$6,756.00

PCO#61R - EEC_Corridor Lights Change, per FB28.

\$12,886.00

PCO#69 - EEC_Wiremold Raceway @ room 352, per RFI154.

\$4,606.00

PCO#72 - LAMBRIAN_Delete Entrance Mat, per FB35.

-\$3,700.00

PCO#73 - APS BOSTON_Weeps @ Stage area, per RFI157R.

\$1,762.00

TOTAL

\$33,500.00

APPROVED:

President

Not valid until signed by the Owner, Architect and Contractor.

The original (Contract Sum) (Guaranteed maximum Price) was

\$8,482,000.00

Net change by previously authorized Change orders

\$557,771.60

The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was

\$9,059,777.60

The (Contract Sum) (Guaranteed maximum price) will be (increased) (decreased)

\$33,500.00

(unchanged) by this Change Order in the amount of

The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be

\$9,093,277.60

The Contract Time will be (increased) (decreased) (unchanged) by

The date of Substantial Completion as of the date of this Change Order therefore is

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

William Rawn Associates, Architects Inc.

ARCHITECT

27 School Street, Boston ma 02108

Address

BY

Andrew Jonic, AIA
Associate Principal

DATE

2/9/23

Lambrian Construction Corporation

CONTRACTOR

420 Turnpike Street, Canton, Ma 02021

Address

BY James Lambrianidis - President

DATE 02/09/2023

Town Of Brookline

OWNER

333 Washington St, Brookline, Ma 02445

Address

BY

DATE

LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

January 4, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #50 REV

OBJECT:

QUAD: C.M. CONWAY

Per RFI 100 - Regrading Planters Area (Approx. 1,232 SF) - see photo with red location + email attached.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
--------	-------------	------	-----	-----------	----------	----------	-------

Quote:

See C.M. CONWAY's Quote, Dated 09/15/22

LS 1 \$3,564.00 **\$3,564.00**

Labor: ADD

NONE

hrs 0 \$0.00 \$0.00

Subtotal **\$3,564.00**

G.C. Fees (5%) - ADD

% 5.00% \$178.20

SUBTOTAL **\$3,742.20**

Bond Fee (1.5%) - ADD

% 1.50% \$56.13

TOTAL \$3,798.33

SAY: \$3,798.00

TOTAL ADD AMOUNT: Three Thousand Seven Hundred Ninety Eight Dollars.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp

Recommended for approval by the Town of Brookline
2/2/23

WRA confirmed the walkway was regraded on 7/12 per Hill's daily reports.
The FB was issued on 7/19/22

Andy Jonic
William Rawn Associates



EXCAVATORS ● EQUIPMENT RENTALS

P.O. Box 14 Lynnfield, MA 01940

TEL: 781-334-2368
FAX: 781-334-4642
ccmconway@aol.com

September 15, 2022

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

ATTN: Alex Galanos

RE: T & M
RFI # 100

WORK ORDER #

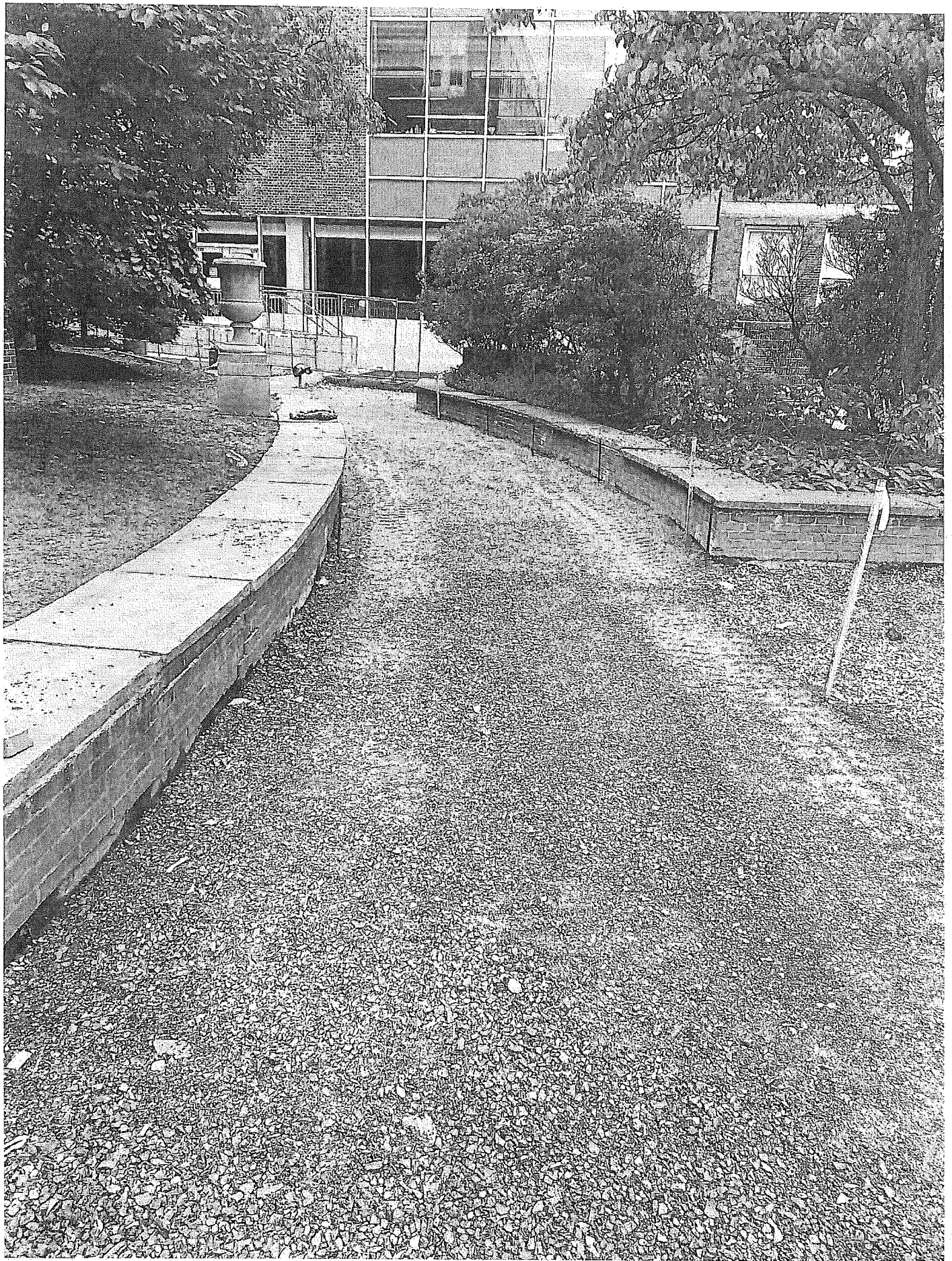
DATE:

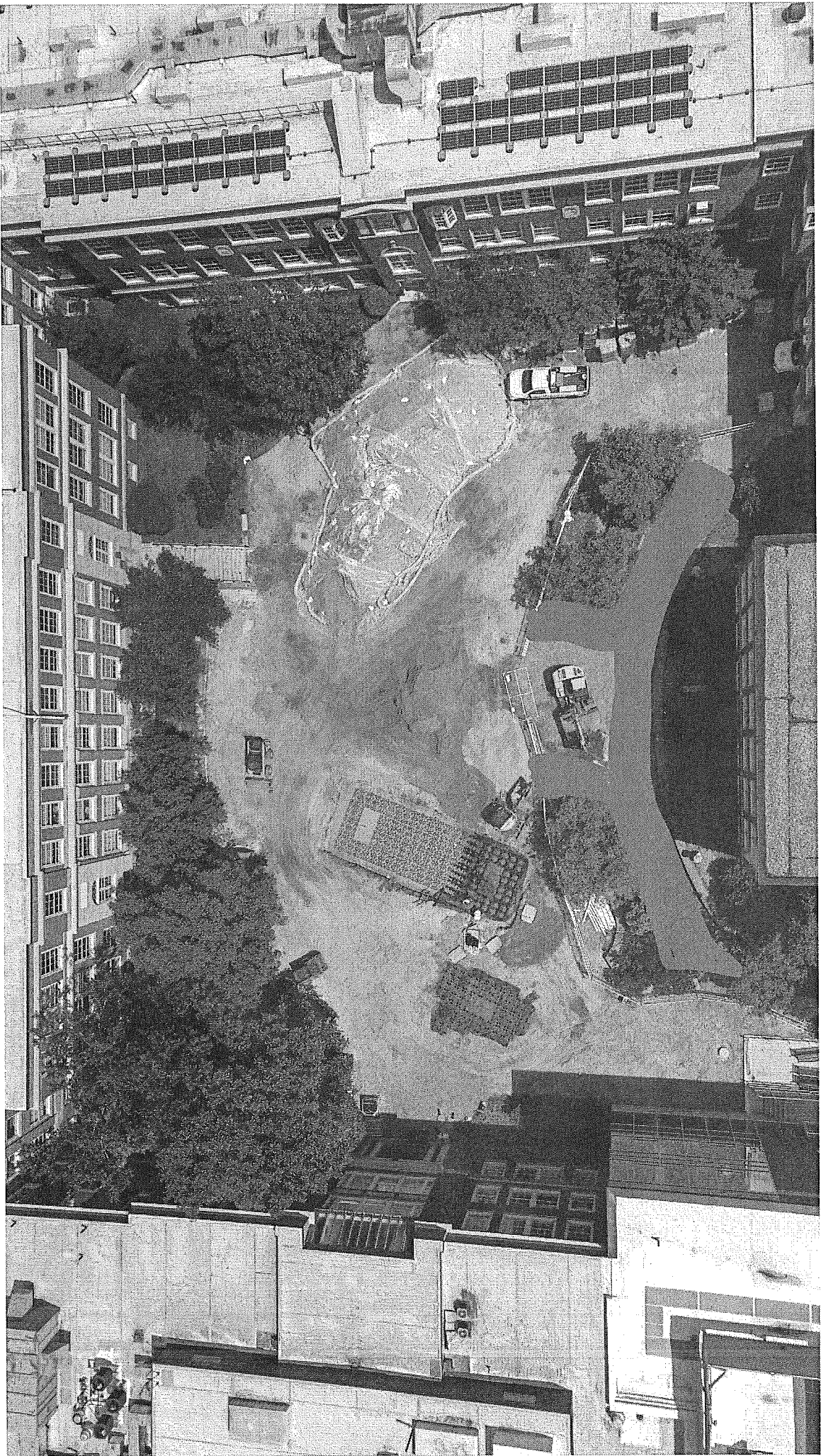
PCO # 009

1,232 sf

- 1.) Conway re-graded approx. ~~1500 SF~~ @ rear of planters (see attached drawing) per FB # 11
Was graded per original contract specs / plans

1.) Cat Excavator	6.0 hrs. @ \$300.00 per hr.	\$ 1,800.00
2.) Laborer	2 ea. @ 4.0 hrs. ea. @ \$95.00 per hr. ea.	\$ 1,140.00
3.) Compactor	6.0 hrs. @ \$50.00 per hr.	\$ 300.00
4.) Sub-Total		\$ 3,240.00
5.) O H & P		\$ 324.00
6.) TOTAL		\$ 3,564.00





Alex Galanos

From: CM Conway Construction <ccmconway@aol.com>
Sent: Tuesday, January 3, 2023 2:56 PM
To: Alex Galanos
Subject: Fwd: RFI 100 - grading areas
Attachments: L100 Brookline HS Quad Reno.jpg

Alex,

As discussed please see mark-up of area in question. The area is approx 1232sf

C.M. Conway Construction, Inc.
www.cmconwayconstruction.com
tel. 781.334.2368

-----Original Message-----

From: CM Conway Construction <ccmconway@aol.com>
To: agalanos@lambrian.com <agalanos@lambrian.com>
Sent: Fri, Oct 14, 2022 10:18 am
Subject: Fwd: RFI 100 - grading areas

Alex,

Please see attached from 8/2/22

C.M. Conway Construction, Inc.
www.cmconwayconstruction.com
tel. 781.334.2368

-----Original Message-----

From: CM Conway Construction <ccmconway@aol.com>
To: agalanos@lambrian.com <agalanos@lambrian.com>
Sent: Tue, Aug 2, 2022 8:20 pm
Subject: Re: RFI 100 - grading areas

Alex,

Please see attached marked up photo showing area of re-grade.

Thanks
Christine

C.M. Conway Construction, Inc.
www.cmconwayconstruction.com
tel. 781.334.2368

-----Original Message-----

From: Alex Galanos <agalanos@lambrian.com>
To: Bob Conway - CM Conway <ccmconway@aol.com>
Cc: Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>
Sent: Mon, Aug 1, 2022 3:57 pm
Subject: FW: RFI 100 - grading areas

Bob,

Please respond per below question.

Thank you,

ALEX GALANOS

Project Manager / Estimator

Lambrian Construction Corp.

420 Turnpike Street

Canton, MA 02021

T. 781-461-1100

F. 781-461-9885



From: Andrew Jonic <AJonic@rawnarch.com>

Sent: Monday, August 1, 2022 3:33 PM

To: Alex Galanos <agalanos@lambrian.com>; Jim Lambrianidis <jlambrianidis@lambrian.com>

Cc: Vo, Andy <AndyVo@hillintl.com>; Tony Guigli <tguigli@brooklinema.gov>; Josh@lemonbrooke.com; Colleen de Matta <CdeMatta@rawnarch.com>

Subject: RFI 100 - grading areas

Alex,

Please have Conway markup the attached drone photo to indicate where he completed finish grading before we can respond to this RFI.

Thank you,

Andy

Andrew Jonic AIA

Associate Principal

c. 617.548.4275

WILLIAM RAWN ASSOCIATES | Architects, Inc.

27 School Street

Second Floor

Boston, MA 02108

t. 617.423.3470

www.rawnarch.com



Lambrian Construction Corp.
420 Turnpike Street
Canton, Massachusetts 02021
P: (781) 461-1100
F: 781 461-9885

**Project: 22-009 BROOKLINE High School Expansion -
3rd Floor Renovation & Quad Repairs**
115 Greenough Street
BROOKLINE, Massachusetts 02445

RFI #100: SITEWORK_Regrading areas per Field Bulletin 11

Status	Open		
To	Submittals Admin WRA (William Raw Associates, Architects Inc.)	From	Alexandre Galanos (Lambrian Construction Corp.) 420 Turnpike Street Canton, Massachusetts 02021
Date Initiated	Aug 1, 2022	Due Date	Aug 3, 2022
Location		Project Stage	Course of Construction
Cost Impact	TBD	Schedule Impact	Yes (Unknown)
Spec Section		Cost Code	
Drawing Number		Reference	
Linked Drawings			
Received From	Bob Conway (CM CONWAY Construction Inc.)		
Copies To	Mark Borreliz (William Raw Associates, Architects Inc.), Bob Conway (CM CONWAY Construction Inc.), James Cusolito (Lambrian Construction Corp.), Colleen DeMatta (William Raw Associates, Architects Inc.), Theodore Eliopoulos (Lambrian Construction Corp.), Alexandre Galanos (Lambrian Construction Corp.), Tony Guigli (TOWN OF BROOKLINE), Andrew Jonic (William Raw Associates, Architects Inc.), Paul Kalous (Hill International, Inc.), James Lambrianidis (Lambrian Construction Corp.), Mark Sacco (TOWN OF BROOKLINE), Andy Vo (Hill International, Inc.), Martin Warrington (Hill International, Inc.), Robert Wear (William Raw Associates, Architects Inc.)		

Activity

Question

Question from Alexandre Galanos Lambrian Construction Corp. on Monday, Aug 1, 2022 at 02:18 PM EDT

08/01/22

Please review and respond to attached RFI question from C.M. CONWAY regarding:

- Regrading costs per Field Bulletin 11

Attachments

RFI100_CONWAY_Regrading per Filed Bulletin 11.pdf

Awaiting an Official Response



EXCAVATORS ● EQUIPMENT RENTALS

P.O. Box 14 Lynnfield, MA 01940

TEL: 781-334-2368
FAX: 781-334-4642
ccmconway@aol.com

August 1, 2022

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

ATTN: Alex Galanos
Jim Lambrian

RE: RFI # 004
Field Bulletin # 11

QUESTION:

Since Field Bulletin # 11 was issued and calls for changes to the depth of concrete in the areas of exposed aggregate concrete paving as well as the depth of gravel sub-base, the issue arises that C. M. Conway had previously graded some of those areas per original contract specifications.

Please advise whether to proceed on Time & Material or lump sum basis to adjust grades accordingly per Field Bulletin # 11.

Thank you

Christine M. Conway

Response:

1. Conway and Lambrian to submit photo evidence of where gravel sub-base was installed and submit a plan showing overall square footage area that had to be regraded.
2. Submit a detailed Change Order to be reviewed and approved by architect and owner. Please include overall square footage of area that had to be regraded.

Colleen de Matta, WRA, 08/30/22

January 4, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #55 - REV

OBJECT:

EEC - Electrical

Corridor Lighting Revision: Additional End Caps needed to close in new lighting layout.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
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Quote:

See EEC's Quote / PCO#10 REV 01, dated 01/04/23 LS 1 \$11,644.00 \$11,644.00

Materials: ADD

Labor: ADD

N/A

	Subtotal				<u>\$11,644.00</u>
G.C. Fees (5%) - ADD	%	5.00%			\$582.20
					<u>\$12,226.20</u>
Bond Fee (1.5%) - ADD	%	1.50%			\$183.39
					<u>\$12,409.59</u>
	TOTAL				\$12,409.59

Amounted recommended for approval by
the Town of Brookline

SAT. \$12,410.00

\$6,205.00

TOTAL ADD AMOUNT: Twelve Thousand Four Hundred Ten Dollars.

WRA Comments

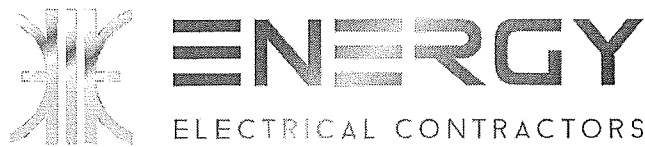
1. Please see attached correspondence between HLB lighting and Boston Light Source regarding F45 fixtures in the hallways. The bid documents and lighting lengths shown in the plans reflect direction provided by the manufacturer.
2. Boston Light Source confirmed Fluxwerx would provide shop drawings for the F45 lights
3. The lighting fixture schedule (Page 5 of 5, Note 1) states, "Provide lighting luminaire shop drawings for the Lighting Consultant, Architect, and Owner approval prior to fabrication. For all continuous run luminaires, including track, manufacturer shall submit a layout drawing for run lengths specified on architectural drawings during submittal review for Lighting Designer and Architect approval prior to fabrication." (see attachment)
4. GGD and HLB lighting requested shop drawings in comments made on submittals: 265110-001-0 & 265110-001-1. See attached comments memos.
5. Lambrian and ENE decided to install the F45 without submitting approved shop drawings. The dimensional bust in the light fixture and ceiling layout would have been caught had Fluxwerx and ENE created shop drawings.

In order to move this forward, our recommendation to the Town is they approve 50% of this PCO due to the decision by the General Contractor and Electrical Subcontractor to not submit shop drawings required by the contract bid documents.

A. Jonic
1/9/23
William Rawn Associates.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp



January 4, 2023

Alex Galanos
Lambrian Construction Co.
420 Turnpike St,
Canton, MA 02021

RE: Brookline High School 3rd Floor – Job #122000
Proposal #10 – REV 01

Dear Alex:

Energy Electric is pleased to provide pricing to perform the following revisions to our scope of work:

- Corridor Lighting Revision – *END CAPS*
 - Furnish additional end caps needed to close in new corridor lighting layout.
 - This proposal includes required end caps and wiring between longitudinal lengths of fixtures to complete circuitry.
 - Removal of Temporary Lighting.
 - Replacement of Ceiling Tiles is By Others and Not Included in This Proposal.
 - This proposal is priced at straight time. If it is deemed necessary to complete this work after-hours additional costs will be incurred.

Our costs associated with additional work stated above: **\$11,644.00**

Thank you for the opportunity to be of service, please contact me directly with any questions or additional information needed for this proposal. Please provide written direction of approval to proceed with this additional work.

Sincerely,

Timothy S Caggiano

Timothy S. Caggiano
Director of Operations

cc: File

Date: 1/4/2023

P.C.O. No: 10 - REV01

To: Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

Phone: 781.801.0741
Fax:

RE: Additional End Caps for Hallway Lighting

Attn: Alex Galanos **Email:** agalanos@lambrian.com

	Qty	Mtl Unit	Labor Unit	Material Cost	Labor Hrs.
Fluxwerx NN-END-G1 End Caps	56	\$ 35.50	0.5	\$ 1,988.00	28.00
1/2" MC Connectors	112	\$ 1.07		\$ 119.84	14.00
#12/2c MC Cable	100	\$ 0.85		\$ 85.30	16.00
Remove / Dispose of Temp Lighting	1		16		
This proposal is priced at Straight Time If work is to be completed after normal business hours additional costs will be incurred.					
subtotals				\$2,193.14	58
Material					\$2,193.14
Tax					\$0.00
Electrician				\$ 144.70	\$8,392.60
OH&P				10.00%	\$1,058.57
Total this Change Order Proposal:					\$11,644.31



5 Shawmut Road Canton, MA 02021 PHONE (781) 828-9494 FAX (781) 828-2784

PROJECT NAME:

BROOKLINE HIGH SCHOOL

12/29/2022

FROM:

MIKE GORDON 781-737-1028 DIRECT

DATE: _____

9/16/2022

(PRICING VALID FOR 15 DAYS FROM DATE NOTED ABOVE)

[illegible]

This proposal is based on representative supplied counts. Please review this proposal carefully and confirm quantities and the items noted. If our company is awarded this opportunity, please advise us and we will send you the Project Information form. This form needs to be completed and returned along with a copy of the quotation and your confirming purchase order. In the event that Needham Electric is required by any vendor to Pay In Advance for project related materials, then we may require the same up front payment from your company prior to release of said material. Should you require submittals please let us know as soon as possible so we can expedite the process. Once we have received that information and the job is opened we can process your order. Per our Terms & Conditions, in the event of damages/defects, it is imperative that the bill of lading be signed for as "damaged merchandise" in order to file a claim with the carrier. Otherwise, replacement orders will be at your expense. If you are not sure of the conditions of shipment, and cannot take the time to examine it, sign the bill of lading "pending further investigation of materials". Acceptance of this quotation constitutes agreement to terms and conditions set herein. Freight is presumed as pass long per vendor terms unless otherwise noted

DAMAGED MATERIAL: MUST BE REPORTED WITHIN 24 HOURS OF THE MATERIAL BEING RECEIVED AND THE BOL MUST BE NOTED IN A MANNER THAT WILL ALLOW FOR A FREIGHT CLAIM TO BE FILED. (DAMAGED,PENDING INSPECTION, POSSIBLE DAMAGE...ETC) IF A BOL IS SIGNED FOR AS FREE AND CLEAR AND NO NOTATION OF DAMAGES/SHORTAGE OR IT IS AFTER 24 HOURS, NEEDHAM ELECTRIC WILL REQUIRE A NEW PURCHASE ORDER FOR REPLACEMENT MATERIAL. NEEDHAM ELECTRIC WILL ASSIST IN ANY WAY POSSIBLE WITH THE PURCHASER IN FILING THE CLAIM BUT THE RESPONSIBILITY OF FILING THE CLAIM WILL REST WITH THE PURCHASER.

Prices Quoted are subject to adjustment should Duty and Tariff rates change from time of bid/quotation to time of order. Needham reserves the right to adjust its pricing for goods affected directly or indirectly by changing duties/tariffs/trade agreements and significant currency fluctuations

QUOTATION DOES NOT INCLUDE SALES TAX
ORDERS ARE SUBJECT TO WESCO'S TERMS & CONDITIONS
[HTTPS://WWW.WESCO.COM/DOING-BUSINESS-WITH-US](https://www.wesco.com/doing-business-with-us)

ITEM	Straight Time	Time + 1/2	Double Time
Base Wage Rate per hour	91.14	136.71	182.28
Federal Tax (0.8%) <i>employer tax</i>	0.73	1.09	1.46
OASDI Social Security Tax (6.2%) <i>employer tax</i>	5.65	8.48	11.30
Medicare Tax (1.45%) <i>employer tax</i>	1.32	1.98	2.64
Employer Unemployment (5.1%) <i>employer tax</i>	4.65	8.46	11.28
Job Development Training (.54%)	0.49	0.74	0.98
Workers Comp (4.67%)	4.26	6.38	8.51
Burden	36.46	36.46	36.46
Subtotal	144.70	200.31	254.92
10% profit mark up	14.47	20.03	25.49
TOTAL	159.17	220.34	280.41

Alex Galanos

From: Tim Caggiano <TCaggiano@eecne.com>
Sent: Wednesday, January 4, 2023 4:44 PM
To: Tony Guigli; Alex Galanos; Andrew Jonic
Cc: ianparks@hillintl.com; andyvo@hillintl.com; Mike Sacco; Jim Lambrianidis; James Cusolito
Subject: RE: BROOKLINE_ PCO 55 light end caps
Attachments: PCO #10 REV 01 End Caps.pdf

Tony,

I apologize for the delay in getting this back to all of you.

I have revised this proposal to include more descriptive cost summary to the scope of work, vender back up for end cap pricing and a breakdown of the prevailing wage labor rate. I have reduced the labor on this to what I believe is fair for the scope of work. Please realize this includes installation of end caps on each of the longitudinal lengths in the corridor and continuation of wiring from one side to the other to complete the circuitry. This also includes removal of the temporary lighting. This work is priced at straight time, if deemed necessary to complete on off hours additional labor cost will be incurred.

I trust this is sufficient to meet your needs for review. Please provide written direction if we are to proceed with this additional work.

I will provide similar updated response to Bulletin 28 tomorrow.



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~, ~# · a |nf# » %j##
T...ifiltn#B % #' " ,Æ#



From: Tony Guigli <tguigli@brooklinema.gov>
Sent: Tuesday, January 3, 2023 8:32 PM
To: Tim Caggiano <TCaggiano@eecne.com>; Alex Galanos <agalanos@lambrian.com>; Andrew Jonic <AJonic@rawnarch.com>
Cc: ianparks@hillintl.com; andyvo@hillintl.com; Mike Sacco <msacco@eecne.com>; Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>
Subject: Re: BROOKLINE_ PCO 55 light end caps

This message originated from an External Source. Please use caution when opening Link or Attachments.

Andrew Jonic

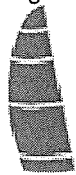
From: Anthony Guerriero <aguerriero@bostonlightsource.com>
Sent: Tuesday, November 30, 2021 1:38 PM
To: Vinicius Stella
Cc: Michelle Tessier; Jennifer Pierce
Subject: RE: Brookline | 3rd Floor Fixture Pattern Cord.

Caution! This message was sent from outside your organization.

[Block sender](#)

As expected, all is good! Final dimensions may vary a bit (mostly on the ends), but they can do drawings for this!

Anthony Guerriero
Lighting | Controls Solutions

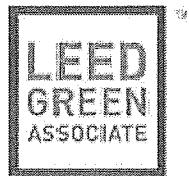


BostonLightSource

64 Commercial Wharf, Boston MA 02110-3808
d: 617.788.2461 | o: 617.788.2400 | c: 781.812.6243



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& Enter to Win each week with the episode keyword for the season 2 giveaway!



From: Vinicius Stella <vstella@hlblighting.com>
Sent: Tuesday, November 30, 2021 12:47 PM
To: Anthony Guerriero <aguerriero@bostonlightsource.com>
Cc: Michelle Tessier <mtessier@hlblighting.com>; Jennifer Pierce <jpierce@bostonlightsource.com>
Subject: RE: Brookline | 3rd Floor Fixture Pattern Cord.

Thanks for checking.

We just remembered that some years ago Fluxwerx had some constructability limitation with certain fixture runs/configurations, so we just wanted to triple check that the runs/configurations that we have drawn works.

Many thanks,

Vini

Vinicius Stella

Designer
857.702.8823 direct
917.724.7872 mobile
vstella@hlblighting.com

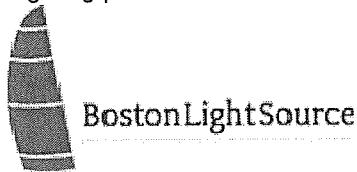
From: Anthony Guerriero <aguerriero@bostonlightsource.com>
Sent: Tuesday, November 30, 2021 12:42 PM
To: Vinicius Stella <vstella@hlblighting.com>
Cc: Michelle Tessier <mtessier@hlblighting.com>; Jennifer Pierce <jpierce@bostonlightsource.com>
Subject: RE: Brookline | 3rd Floor Fixture Pattern Cord.

Vini,

Everything looks pretty straightforward here, I see no reason why they couldn't do this.

I did ask Fluxwerx to check on it, but I don't think they're going to have any objections.

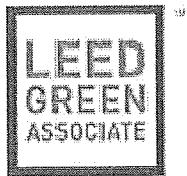
Anthony Guerriero
Lighting | Controls Solutions



64 Commercial Wharf, Boston MA 02110-3808
d: 617.788.2461 | o: 617.788.2400 | c: 781.812.6243



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& Enter to Win each week with the episode keyword for the season 2 giveaway!



From: Vinicius Stella <vstella@hlblighting.com>
Sent: Tuesday, November 30, 2021 12:17 PM
To: Anthony Guerriero <aguerriero@bostonlightsource.com>
Cc: Michelle Tessier <mtessier@hlblighting.com>; Jennifer Pierce <jpierce@bostonlightsource.com>
Subject: Brookline | 3rd Floor Fixture Pattern Cord.

Hi Anthony,

We would like to check with you if the Fluxwerx Notch 1 recessed fixture can be provided in the pattern/run configurations that we have shown in the attached drawing for the F44/F44A/F44B/F45/F45A fixtures with illuminated corners.

Let us know if Fluxwerx see any issues with the configuration pattern/run lengths shown in RCP.

Many thanks,

Vini

Vinicius Stella

Designer
857.702.8823 direct
917.724.7872 mobile
vstella@hiblighting.com



233 Lewis Wharf
Boston, MA 02110
617.229.5190

Please note that all HLB offices will be closed November 25 and 26, as well as December 24 - 31 to spend time with our families for the holidays. The firm will reopen on January 3. We wish you a wonderful holiday season!

Please note that our office hours are Monday through Thursday from 9:00 am to 6:00 pm and Friday from 9:00 am to 1:00 pm.

This message (including any attachments) contains confidential information intended for a specific individual and purpose and is protected by law. If you are not the intended recipient, you should delete this message and are hereby notified that any disclosure, copying or distribution of this message, or taking of any action based on it, is strictly prohibited.



GGD Consulting Engineers, Inc.
375 Faunce Corner Road, Suite D
Dartmouth, MA 02747

LETTER OF TRANSMITTAL

Date: May 25, 2022

Job #: 849 003 00.00

Attention: Colleen de Matta

Re: Brookline High School Expansion –

To: 3rd Floor Renovation & Quad Repairs
William Rawn Associates, Architects Inc.
27 School Street, 2nd Floor
Boston, MA 02108

Please note, these are GGDs original comments on the lighting package included in 265110-001-00 submission return.

GGD has not reviewed 265110-001-01

We Are Sending You: X Attached X The following items via: Email

 X Shop Drawings Prints Plans Specifications

 Copy of Letter Change Order Samples Drawings

COPIES	DATE REC'D	GGD NUMBER	DESCRIPTION SUBMITTAL NUMBER	ACTION
1	5/11/22	E-1	Lighting Fixtures (REVISED) 265100-1.0	Reviewed

These are transmitted as checked below:

 For Approval Approved as submitted Resubmit copies for approval
 X For your use Approved as noted Submit copies for distribution
 X As requested Returned for corrections Return corrected prints
 For review and comment Forwarded _____
 For Bids Due _____, 20 Prints Returned on Loan to Us

REMARKS:

COPY (S) TO: Mark Borreliz, AIA, WRA
File

SIGNED: Jason Monast; ss

ENGINEERING SHOP DRAWING REVIEW



GGD Consulting Engineers, Inc.
375 Faunce Corner Road, Suite D
Dartmouth, MA 02747

DATE: May 25, 2022 (REVISED)
PROJECT: Brookline High School
Expansion – 3rd Floor
Renovation & Quad Repairs
849 003 00.00
SHOP DWG. NO.: E-1, E-10 Through E-24
TITLE: Lighting Fixtures
265100-1.0
REVIEWED BY: Jason G Monast

REVIEWED

THIS DOCUMENT IS REVIEWED FOR INFORMATIONAL
PURPOSES ONLY AND NOT CONSIDERED FOR APPROVAL
AS A SHOP DRAWING

Date 5/25/22 By JGM
GGD Consulting Engineers, Inc.

General Review Comments

1. **COORDINATE** all finish selections with Architect on all products.
2. **COORDINATE** all trim and flange types with architectural finishes and provide appropriate types for the specific application in each space.
3. **COORDINATE** exact mounting height of all fixtures with Architect and provide required lengths of stems, aircraft cable, chain, etc. as applicable.
4. Coordinate with General Contractor to ensure no fixture locations are roughed into concrete work until final approval of each affected fixture type is received.
5. Coordinate with General Contractor to ensure no site lighting mounting bases are ordered, purchased and/or installed until final approval of each affected fixture and pole combination is received.
6. Coordinate with occupancy sensor and photo sensor vendors to have authorized installation, programming, and commissioning assistance provided to ensure proper operation of all devices in compliance with manufacturer, design specification, and energy code requirements.
7. Coordinate all exit sign mountings, panels, and arrows with Architect and field requirements.
8. Provide DLC listing, Energy Star lighting, or LM-79 and LM-80 testing data for all LED products for submission documentation of utility company rebate program.
9. Provide all fixtures with 0-10V dimming drivers for LED source specified.
10. All controls for project must be submitted with supporting drawings showing equipment locations, quantities, and sequence of operations

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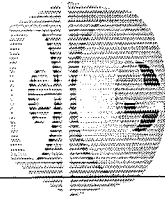
- All interior/exterior lighting fixture finishes to be verified by Architect and HBL Lighting Consultant.
- All interior lighting fixtures shall be 277V.
- All exterior lighting fixtures shall be 120V.

Review Notes:

Item	Comment
F44	12', 16' 18', 24', 26' shall have "G1" (grid) Trim/Ceiling option.
F44A	14' & 16' shall have "G1" (grid) trim/Ceiling option.
F44B	16', 18', 26' shall have "G1" (grid) Trim/Ceiling option.
F44C	16' shall have "G1" (grid) Trim/Ceiling option.
(1) F45-7x7	<ol style="list-style-type: none"> 1. Fixture shall have "D1" (drywall) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of Emergency sections in rectangular pattern
(1) F45-7x7	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7x22	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern

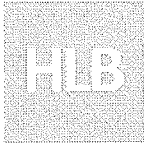
F45-7X28	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as show on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7X30	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7X34	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7X44	<ol style="list-style-type: none"> 1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on

ENGINEERING SHOP DRAWING REVIEW



GGD Consulting Engineers, Inc.
375 Faunce Corner Road, Suite D
Dartmouth, MA 02747

	plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7X48	1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-7X54	1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. Fixture to have "Ax" option for emergency switching. Refer to Field Bulletin #05 for quantity and location of emergency sections in rectangular pattern
F45-10X16	I believe doesn't exist anywhere. This fixture is the F45A type fixture. Please verify location.
F45A	1. Fixture shall have "G1" (grid) Trim/Ceiling option. 2. Submit shop drawings for the rectangular pattern as shown on plans. 3. HBL Lighting Consultant to verify dimensions of pattern.
F46	1. Cable/Pendant length to be verified by HBL lighting consultant/Architect with a minimum of 18". 2. Voltage of fixture to be 277V.



Shop Drawing Review Comments

To: Mark Borreliz
William Rawn Associates
10 Post Office Sq. Suite 1010
Boston, MA 02109
617-598-3396 tel

Submittal No. 265110-1.0

Date Reviewed: 20 May 2022 REV
18 May 2022

Date Received: 10 May 2022

cc: Andy Jonic – WRA
Colleen de Matta - WRA

Reviewed by: M. Tessier
V. Stella

Sent Via: e-mail

Project: Brookline HS – 3rd Floor Renovation
& Quad Repairs
Project #17195.00

Pages: 9

Submission has been checked for design only. Notes are to assure adherence to design requirements and general compliance with contract documents. Contractor is responsible for dimensions which shall be confirmed and correlated at the job site; fabrication process and techniques of construction; coordination of his work with that of all other trades and the satisfactory performance of his work.

Fixtures previously noted with an action of MCN and NET do not require resubmittal for review since we assume the comments are minor in nature and can be addressed accordingly by the Contractor without further processing. If there are issues with fixtures previously noted as MCN by HLB Lighting Design, the Contractor shall provide explanation and notify the design team for re-review.

Action Codes			
NET	No Exception Taken	SSI	Submit Specified Item
R	Rejected	R&R	Revise and Resubmit
MCN	Make Corrections Noted	NSHLB	Not Specified by HLB

Type	Action	Comments
F1	MCN	<ol style="list-style-type: none">1. Provide flange trim.2. Architect shall verify flange and reflector finish (Clear submitted).3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements.4. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed.5. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system.6. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

HLB Lighting Design

new york | san francisco | los angeles | boston | miami | denver | austin
HLBlighting.com

F1D	R&R	<ol style="list-style-type: none"> 1. Provide '10' 1000 nominal lumen value as specified. 2. Provide flange trim. 3. Architect shall verify flange and reflector finish (Clear submitted). 4. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 5. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F8C	MCN	<ol style="list-style-type: none"> 1. Architect shall verify flange finish (White submitted). 2. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 3. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 4. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 5. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F8D	MCN- Resubmit for Record	<ol style="list-style-type: none"> 1. Fixture shall be provided with "MIN10" 10% dimming as specified. 2. Architect shall verify flange finish (White submitted). 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 5. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 6. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F21D	MCN	<ol style="list-style-type: none"> 1. Architect shall verify flange and reflector finish (Clear submitted). 2. Fixture shall be aimed straight down. 3. Fixtures require aiming by lighting consultant after installation. Contractor to coordinate personnel and equipment necessary for aiming session per 265113 specifications. 4. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, and insulation clearance requirements. 5. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

F21E	MCN	<ol style="list-style-type: none"> 1. Architect shall verify flange and reflector finish (Clear submitted). 2. Fixture shall be aimed straight down. 3. Fixtures require aiming by lighting consultant after installation. Contractor to coordinate personnel and equipment necessary for aiming session per 265113 specifications. 4. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, and insulation clearance requirements. 5. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F36A	MCN	<ol style="list-style-type: none"> 1. Architect shall verify flange and reflector finish (Clear submitted). 2. Contractor shall install fixture in such manner that wallwash optics face the white board. 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by downlight trim and inform factory if ceiling is thicker than allowed. 5. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 6. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F44 – All Lengths	MCN	<ol style="list-style-type: none"> 1. Architect shall verify trim finish (White finish submitted). 2. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 5. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 6. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 7. Contractor shall order all mounting components necessary for installation of luminaire. 8. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 9. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

F44A – All Lengths	MCN	<ol style="list-style-type: none"> 1. Architect shall verify trim finish (White finish submitted). 2. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 5. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 6. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 7. Contractor shall order all mounting components necessary for installation of luminaire. 8. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 9. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F44B – All Lengths	MCN	<ol style="list-style-type: none"> 1. Architect shall verify trim finish (White finish submitted). 2. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 5. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 6. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 7. Contractor shall order all mounting components necessary for installation of luminaire. 8. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 9. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

F44C – All Lengths	MCN	<ol style="list-style-type: none"> 1. Architect shall verify trim finish (White finish submitted). 2. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 4. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 5. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 6. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 7. Contractor shall order all mounting components necessary for installation of luminaire. 8. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 9. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F45 - All Patterns	MCN + SAI	<ol style="list-style-type: none"> 1. Provide manufacturer's dimensioned shop drawings showing all materials, trim conditions, finishes and components for Lighting Designer and Architect review prior to fabrication. 2. Architect shall verify trim finish (White finish submitted). 3. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 4. Fixture shall be provided with illuminated corners. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 5. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 6. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 7. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 8. Contractor shall order all mounting components necessary for installation of luminaire. 9. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 10. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

F45A	MCN + SAI	<ol style="list-style-type: none"> 1. Provide manufacturer's dimensioned shop drawings showing all materials, trim conditions, finishes and components for Lighting Designer and Architect review prior to fabrication. 2. Architect shall verify trim finish (White finish submitted). 3. Contractor/Architect shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions (Drywall Trimless provided). 4. Fixture shall be provided with illuminated corners. Refer to architectural drawings for fixture length and length of continuous runs. Contractor shall provide an optimal combination of luminaire lengths to provide a continuous run as shown on architectural drawings. HLB has not reviewed lengths submitted against drawings. 5. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including ceiling thickness, grid type, flange, and insulation clearance requirements. 6. Contractor shall verify maximum ceiling thickness allowed by linear slot trim and inform factory if ceiling is thicker than allowed. 7. Fixtures shall have clean, tight butt joints. Light fixture shall appear continuous with no visible light leaks at lens seams. 8. Contractor shall order all mounting components necessary for installation of luminaire. 9. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 10. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
F46	MCN	<ol style="list-style-type: none"> 1. Architect shall verify fixture finish (White submitted). 1. Refer to architectural drawings for suspension height AFF. Provide suspension length or sufficient length of field-adjustable suspension as required. Do not trim cables until mounting height is reviewed on site by Architect. Luminaire shall be mounted over a recessed junction/surface mounted box (by electrician). 2. Contractor shall verify and coordinate all other luminaire installation and mounting with architectural details and field conditions. Contractor shall order all mounting components necessary for installation of luminaire. 3. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 4. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

EX13	R&R	<ol style="list-style-type: none"> 1. Fixture provided does not meet performance specification. Provide Weef #131-9984 catalogue number in lieu of #131-9996. 2. Architect shall verify fixture finish. 3. Refer to architectural drawings and elevations for fixture mounting height AFF – Luminaire shall be mounted over a recessed junction box. 4. Contractor shall verify and coordinate fixture installation and mounting with architecture details and field conditions. Contractor shall provide all mounting hardware and accessories as required for a complete and approved installation. 5. Contractor shall order all mounting components necessary for installation of luminaire. Fixture installation shall be neat and clean – confirm all conduit runs with architect. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
EX14	R&R	<ol style="list-style-type: none"> 1. Refer to attached markup for fixture output and quantities of each. 2. Architect shall verify fixture and pole finishes. 3. Refer to base and anchorage detail to concrete base by Professional Engineer (PE). Provide pole to meet local and AASHTO requirements for EPA of fixture configuration. 4. Contractor shall verify and coordinate fixture installation and mounting with architecture details and field conditions. Contractor shall provide all mounting hardware and accessories as required for a complete and approved installation. 5. Architect shall verify fixture, pole and mounting finishes. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
EX15	MCN	<ol style="list-style-type: none"> 1. Architect shall verify fixture finish. 2. Refer to architectural drawings and elevations for fixture mounting height AFF – Luminaire shall be installed with a recessed back box suitable for installation against insulation material. 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, field conditions, and wall system details including wall thickness, wall type, flange, and insulation clearance requirements. 4. Locate remote gear in a secure, concealed, accessible, and well-ventilated location in compliance with manufacturer's instructions. 5. Contractor/manufacturer shall coordinate remote gear size, location, and wire gauge for <2% voltage drop over entire length of run. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.

EX16	MCN	<ol style="list-style-type: none"> 1. Architect shall verify fixture finish. 2. Refer to architectural drawings and elevations for fixture mounting height AFF – Luminaire shall be installed with a recessed back box suitable for installation against insulation material. 3. Contractor shall verify and coordinate luminaire installation and mounting with architectural details, field conditions, and wall system details including wall thickness, wall type, flange, and insulation clearance requirements. 4. Locate remote gear in a secure, concealed, accessible, and well-ventilated location in compliance with manufacturer's instructions. 5. Contractor/manufacturer shall coordinate remote gear size, location, and wire gauge for <2% voltage drop over entire length of run. 6. Electrical Engineer/Contractor to verify compatibility of light source, gear and dimming system. 7. Electrical Engineer/Contractor shall verify all voltage and emergency requirements before placing any orders or proceeding with any work.
EBU	NSHLB	1. Fixture not specified by HLB.
EXIT-SF	NSHLB	1. Fixture not specified by HLB.
EXIT-DF	NSHLB	1. Fixture not specified by HLB.

NOTES:

1. All voltages shall be confirmed with electrical drawings.
2. All recessed downlights shall have same reflector color – semi-specular clear alzak, unless otherwise noted.
3. All fixtures intended to be concealed in a cove shall be mounted in such a way to be out of view.
4. Provide lamps as shown on fixture schedule, unless otherwise noted.
5. Structural support of fixtures shall be verified by the contractor.
6. Contractor shall verify lamp/ballast compatibility prior to ordering lamps.
7. For recessed fixtures, contractor shall verify and coordinate mounting with architectural details and materials, plenum depth, and housing size.
8. Contractor shall provide all parts and components necessary for installation. Contractor shall verify with Architect and Lighting Designer, if any part/component required for installation is exposed.
9. HLB reviewed marked catalog numbers on fixture cuts only; Contractor is responsible for accurate fixture quantity take-offs.

Brookline HS | Third Floor Renovation

Issued: 20-Jan-22

Fixture Type	Image	Manufacturer and Product	Description	Attributes	Notes
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1. Provide lighting luminaire shop drawings for Lighting Consultant, Architect, and Owner approval prior to fabrication. For all continuous run luminaires, including track, manufacturer shall submit a layout drawing for run lengths specified on architectural drawings during submittal review for Lighting Designer and Architect approval prior to fabrication.
2. Architect shall verify all luminaire trim, flange, pole and any other visible accessories/hardware finishes. All visible conduit, junction boxes, gear containers, etc. shall be painted to match adjacent surfaces (Architect to verify).
3. Refer to electrical drawings for voltage information. Electrical contractor shall verify all voltages with Electrical Engineer before placing any orders or proceeding with any work.
5. Contractor shall verify and coordinate recessed luminaire installation and mounting with architectural details, housing type, field conditions, and ceiling system details including grid type and flange requirements such that there are no light leaks between luminaire and ceiling system and luminaire can accommodate ceiling thickness.
6. Contractor to verify and coordinate all other luminaire installation and mounting with architectural details and field conditions.
7. Contractor shall verify mounting details with architect and/or architectural drawings and order all mounting components necessary for installation of luminaire at no additional cost, even if such components are not specifically called for in the contract documents.
8. Provide adequate and sturdy support for each lighting luminaire. Contractor shall be responsible for verifying weight and mounting method of all luminaires and furnish and install suitable supports. Luminaire mounting assemblies shall comply with all local seismic codes and regulations.
9. Provide all lighting luminaires as shown complete with all light sources, completely wired, controlled and securely attached to supports.
10. Where both narrative and/or pictorial luminaire descriptions are provided, the written description shall take precedence and prevail. Contractor to confirm via RFI process with lighting designer and architect.
11. Locations of luminaires are shown diagrammatically. Verify exact location and spacing with architectural drawings and designer at the site during installation. Notify Owner about field conditions at variance with Contract Documents before commencing installation.
12. At the completion of construction, clean lenses and reflectors of all lighting luminaires so as to render them free of any material, substance or film foreign to the luminaire. Blemished, damaged, or unsatisfactory luminaires shall be replaced in a satisfactory manner.
13. Contractor shall review existing circuiting, verify new loads and panel capacity. Contractor shall notify Owner if a conflict between design documents and field conditions occur.
14. Contractor shall refer to electrical drawings for information on controls and dimming requirements, and coordinate luminaire and control accessories required for a fully functioning system.
15. Contractor to provide line item pricing per luminaire type with labor and installation shown as separate line items.
16. For all adjustable luminaires provide labor and materials for final aiming and locking of all adjustable luminaires under the Architect's supervision. Aiming shall take place immediately before building is turned over to Owner, after regular working hours where required. Contractor shall coordinate necessary personnel and equipment.
17. All luminaires shall have a minimum 3-year warranty.
18. All lighting systems shall be ordered with necessary gear, power feeds and mounting accessories as required for installation of a complete system.
19. Locate remote gear in a secure, concealed, accessible and well-ventilated location in compliance with manufacturer's directions.
20. All luminaires and workmanship shall be guaranteed free of defects and fully operational for a minimum of one year after the acceptance of the project by the Owner unless otherwise indicated in the specifications. Any luminaires or workmanship found to be defective during the warranty period shall either be fixed or replaced by the Contractor at no cost to the Owner.
21. The lighting luminaires and workmanship must be in accordance with and meet the standards and regulations of the following: Underwriters Laboratories, National Electric Code, & Local Building and Life Safety Code Agencies.
22. Replace all burned-out or inoperative sources and gear in all luminaires before the building is accepted by the Owner so that all lighting luminaires will be in first class operating condition.
23. For pendant mounted luminaires provide adequate cord length to suspend luminaires at heights shown on architectural drawings or indicated in the lighting fixture schedule.
24. Electrical contractor shall field-verify each run length of continuous fixtures prior to ordering.

LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

November 3, 2022

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #56

OBJECT:
EEC - Electrical.
Per Field Bulletin 29: Back Stage Wall Receptacles Demo.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
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Quote:

See EEC's Quote / PCO#12, dated 10/25/22

LS 1 \$1,114.19 \$1,114.19

Materials: ADD

N/A

Labor: ADD

N/A

Subtotal				<u>\$1,114.19</u>
G.C. Fees (5%) - ADD	%	5.00%		<u>\$55.71</u>
				\$1,169.90
Bond Fee (1.5%) - ADD	%	1.50%		<u>\$17.55</u>
TOTAL				\$1,187.45

SAY: \$1,187.00

TOTAL ADD AMOUNT: One Thousand One Hundred Eighty Seven Dollars.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp

Recommended for approval by the Town of Brookline
2/2/23

Andy Jonic
William Rawn Associates





October 25, 2022

Alex Galanos
Lambrian Construction Co.
420 Turnpike St,
Canton, MA 02021

RE: Brookline High School 3rd Floor – Job #122000
Proposal #12

Dear Alex:

Energy Electric is pleased to provide pricing to perform the following revisions to our scope of work:

- o Removal of Existing receptacles, backboxes, and wiring (8)

Our costs associated with additional work stated above:

\$1,114.19

Thank you for the opportunity to be of service, please contact me directly with any questions or additional information needed for this proposal.

Sincerely,

Dane Hanson
Project Manager

cc: File

Change Order Proposal

Date: 10/25/2022

P.C.O. No: 12

To: Alex Galanos
Lambrian Construction

Phone: 781.801.0741
Fax:

RE: Remove Receptacles from Stage

Attn: **Email:**

Remove Receptacles, Boxes, Wiring from Stage

Materials Labor

6.00

Excludes:
Demolish Conduit

subtotals \$0.00 6

Material \$0.00

Tax \$0.00

Electrician \$868.20

Foreman \$144.70

OH&P \$101.29

Total this Change Order Proposal \$1,114.19

LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

November 21, 2022

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #59

OBJECT:
C.M. CONWAY
Remove & Dispose of Restricted soil to Bourne Landfill.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
--------	-------------	------	-----	-----------	----------	----------	-------

Quote:

See C.M. CONWAY's quote, per PCO#13, WO#010565, dated 10/07/22

LS 1 \$6,170.07 \$6,170.07

Materials: ADD

N/A

Labor: ADD

N/A

Subtotal					<u>\$6,170.07</u>
G.C. Fees (5%) - ADD	%	5.00%			<u>\$308.50</u>
					\$6,478.57
Bond Fee (1.5%) - ADD	%	1.50%			<u>\$97.18</u>
					\$6,575.75
TOTAL					\$6,575.75

SAY: \$6,756.00

TOTAL ADD AMOUNT: Six Thousand Seven Hundred Fifty Six Dollars.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp



1/5/23
Andrew Jonic, AIA
William Rawn Associates, Architects Inc.
Recommended for Town Approval



EXCAVATORS ● EQUIPMENT RENTALS

P.O. Box 14 Lynnfield, MA 01940

TEL: 781-334-2368
FAX: 781-334-4642
ccinconway@aol.com

November 2, 2022

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

ATTN: Alex Galanos

RE: T & M

Remove & dispose of restricted soil to Bourne landfill. Safety for truck entering & exit clean-up

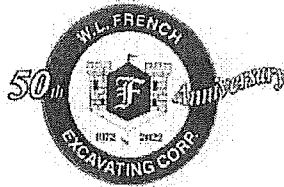
WORK ORDER # 010565

DATE: October 7, 2022

PCO # 013

1.) Cat Excavator	8.0 hrs. @ \$300.00 per hr.	\$2,400.00
2.) Laborers	8.0 hrs. ea. @ 95.00 per hr.	\$ 760.00
3.) Dump truck	8.0 hrs. @ \$125.00 per hr.	\$1,000.00
4.) Loads to dump 2 loads		\$1,449.15
5.) Sub-total:		\$5,609.15
6.) O H & P		\$ 560.92
7.) TOTAL		\$6,170.07

WE MOVE BOSTON



INVOICE

BILLED TO:

C. M. Conway Construction, Inc
6 Daventry Court
P. O. Box 14
Lynnfield, MA 01940

Invoice No.	2001865
Invoice Date	10/19/2022
Terms	NET30
Due Date	11/18/2022

Services Provided By W. L. French Excavating For:

Project Name	Brookline High School - Crtyrd
Project Address	22 Tappan Street
	Brookline, MA 02445
Client Reference	

WLF Project No.	T22-1291
Project Manager	Dan Walsh
Email Address	dwalsh@wlfrench.com

Reminder: Please Place Truck Orders By 11AM

DESCRIPTION	QUANTITY	U / M	UNIT PRICE	PRICE
Transportation Only of soil to Bourne Landfill via Six-Wheeler on 10/7/2022 [2] Loads	2.00	LD	540.00	1,080.00
Disposal only of soil at Bourne Landfill on 10/7/2022 [2] Loads	16.05	TON	23.00	369.15

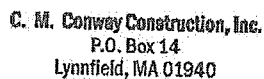
Fuel Surcharge Applies

Price increase effective March 14th, 2022. Fuel surcharges will be assessed to all Trucking Contracts based on the current daily increase in fuel costs. Please see your executed contract and attached notice for more information.

SUBTOTAL	1,449.15
MA SALES TAX	0.00
TOTAL AMOUNT DUE	1,449.15

Please Forward All Lien Waivers via email to: lienwaivers@wlfrench.com
Please Note Interest Fees Charged For Past Due Accounts: 1.5% Monthly, 18% Annually

14 STERLING ROAD NORTH BILLERICA, MA 01862
Main Phone 978.663.2623 Facsimile 978.663.5240 wlfrench.com



Office 781-334-2368 Fax 781-334-4642
email ccmconway@aol.com

Cambriay Constructors
420 Quadpice Street
Canton, Ma

T+M

010565

PHONE	DATE OF ORDER 10/17/22
ORDER TAKEN BY Bob Cunniff	CUSTOMER'S ORDER NUMBER
<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input checked="" type="checkbox"/> EXTRA	
JOB NAME/NUMBER Brookline High School	
JOB LOCATION Brookline, MA	
JOB PHONE	STARTING DATE 10/17/22

[illegible]

TOWN OF BOURNE-ISWM
BUZZARDS BAY, MA 02532
(508) 759-0639 (SCALEHOUSE)

002225 W.L. French Excavation Corp
14 Sterling Rd
N. Billerica MA 01862

INBOUND CHARGE

SITE	TICKET	GRID		WEIGHMASTER	
02	01148462	1C31		Jane	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/07/22	10/07/22	09:05	09:24		
REFERENCE			ORIGIN		
ABC TRK 1			BROOKLINE		

Scale 1 Gross Wt. 30100 LB
Scale 2 Tare Wt. 15600 LB
Net Weight 14500 LB

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
7.25	TON	Cover Soils IN				

Commercial Hours: Monday thru Friday 7am to 4pm
Saturdays from 7 am to Noon

MAKE CHECKS PAYABLE TO: TOWN OF BOURNE ISWM
ABSOLUTELY NO HAZARDOUS WASTE WHATSOEVER ACCEPTED!!!!!!!!!!!!
COMMENT BROOKLINE HIGH SCHOOL SE 354

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

TOWN OF BOURNE-ISWM
BUZZARDS BAY, MA 02532
(508) 759-0639 (SCALEHOUSE)

INBOUND CHARGE

002225 W.L. French Excavation Corp
14 Sterling Rd
N. Billerica MA 01862

SITE		TICKET		GRID		WEIGHMASTER	
02		01148567		1C31		Jane	
DATE IN		DATE OUT		TIME IN		TIME OUT	
10/07/22		10/07/22		12:54		13:12	
REFERENCE				ORIGIN			
ABC TRK 1				BROOKLINE			

Scale 1 Gross Wt. 33040 LB
Scale 2 Tare Wt. 15440 LB
Net Weight 17600 LB

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
8.80	TON	Cover Soils IN				

Commercial Hours: Monday thru Friday 7am to 4pm
Saturdays from 7 am to Noon
MAKE CHECKS PAYABLE TO: TOWN OF BOURNE ISWM
ABSOLUTELY NO HAZARDOUS WASTE WHATSOEVER ACCEPTED!!!!!!!!!!!!
COMMENT BROOKLINE HIGH SCHOOL SE 354

NET AMOUNT
TENDERED
CHANGE
CHECK NO

WW6T1 TO REORDER FORMS PLEASE VISIT WWW.WASTEWORKS.COM

SIGNATURE



LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

January 12, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #61R

OBJECT:
Revised
Energy Electrical Contractors
Remove and Replace corridor lights @ west wing, per Field Bulletin 28.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
--------	-------------	------	-----	-----------	----------	----------	-------

Quote:

See EEC quote, per Proposal 15 REV01, dated 01/12/2023 LS 1 \$12,091.00 \$12,091.00

Materials: ADD

N/A

Labor: ADD

N/A

	Subtotal				\$12,091.00
G.C. Fees (5%) - ADD	%	5.00%			\$604.55
					\$12,695.55
Bond Fee (1.5%) - ADD	%	1.50%			\$190.43
	TOTAL				\$12,885.98

SAY: \$12,886.00

TOTAL ADD AMOUNT: Twelve Thousand Eight Hundred Eighty Six Dollars.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp



1/14/23

Andrew Jonic, AIA
William Rawn Associates, Architects Inc.
Recommended for Town Approval



January 12, 2023

Alex Galanos
Lambrian Construction Co.
420 Turnpike St,
Canton, MA 02021

RE: Brookline High School 3rd Floor – Job #122000
Proposal #15 – REV 01

Dear Alex:

Energy Electric is pleased to provide pricing to perform the following revisions to our scope of work:

- **Field Bulletin #028 Corridor Lighting Revision.**
 - Furnish and Install (28) Wafer Down Lights as shown in Bulletin.
 - Furnish and Install (28) Metal In Fill Panels as shown in Bulletin.
 - Replacement of Ceiling Tiles is By Others and Not Included in This Proposal.
 - This proposal is priced at straight time. If it is deemed necessary to complete this work after-hours additional costs will be incurred.
 - Any modification or revision of ceiling grid, if required, is by others and not included in this cost proposal.

Our costs associated with additional work stated above: **\$12,091.00**

Thank you for the opportunity to be of service, please contact me directly with any questions or additional information needed for this proposal. Please provide written direction of approval to proceed with this additional work.

Sincerely,

Timothy S Caggiano

Timothy S. Caggiano
Director of Operations

cc: File

Date: 1/12/2023

P.C.O. No: 15 - REV01

To: Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

Phone: 781.801.0741
Fax:

RE: Field Bulletin #028 - Corridor Lighting

Attn: Alex Galanos **Email:** agalanos@lambrian.com

	Qty	Mtl Unit	Labor Unit	Material Cost	Labor Hrs.
Installation of New Down Lights	28	\$ 39.50	1	\$ 1,106.00	28.00
Receive, Deliver to Job Site, Prep for install	28	\$ -	0.25	\$ -	7.00
Misc. Traffic Materials	1	\$ 630.00		\$ 630.00	0.00
Furnish & Install Metal Pans	28	\$ 5.00	1	\$ 140.00	28.00
This proposal is priced at Straight Time If work is to be completed after normal business hours additional costs will be incurred.					
subtotals				\$1,876.00	63
Material					\$1,876.00
Tax					\$0.00
Electrician				\$ 144.70	\$9,116.10
OH&P				10.00%	\$1,099.21
Total this Change Order Proposal:					\$12,091.31

Change Order - Quotation

TO:
 ENERGY ELEC, UXBRIDGE, MA
 740 QUAKER HIGHWAY
 UXBRIDGE, MA 01569

Project: BROOKLINE HS 3RD FLR RENO
Date: 11/16/22
PO #: 185212
Change #: 24
Freight in Exempt : No

Material Change: **1,246.00**

Change Type	Quantity	Description	Unit or Lot#	Unit Price	Ext Price	Change Amt
✓ DL ADD/REV	28	WF4-LED-27K30K35K-MVOLT-90CRI-MW -M6		39.500/EA	1,106.00	1,106.00
	<u>Prev Qty</u>	<u>Change Qty</u>	<u>New Qty</u>			
	0	28	28			
	** Price changed from 0.000 to 39.500 **					
	** Quantity changed from 0 to 28 **					
✓ DL ADD/REV	28	WF8643PANU NEW CONSTRUCTION PLATE		5.000/EA	140.00	140.00
	<u>Prev Qty</u>	<u>Change Qty</u>	<u>New Qty</u>			
	0	28	28			
	** New Item **					

Total	1246.00
--------------	----------------

From:
 NEEDHAM ELECTRIC SUPPLY
 PHONE 800-244-6980
 5 SHAWMUT ROAD
 CANTON, MA 02021
 Printed By: Mike Gordon-L x1028

Authorizing Name: Mike Gordon-L x1028
 File Number: 14419
 DOWNLIGHT ADDER/REV

These items are not ordered! To complete this order, sign below and provide a PO # for the order.

Signature: _____

ITEM	Straight Time	Time + 1/2	Double Time
Base Wage Rate per hour	91.14	136.71	182.28
Federal Tax (0.8%) <i>employer tax</i>	0.73	1.09	1.46
OASDI Social Security Tax (6.2%) <i>employer tax</i>	5.65	8.48	11.30
Medicare Tax (1.45%) <i>employer tax</i>	1.32	1.98	2.64
Employer Unemployment (5.1%) <i>employer tax</i>	4.65	8.46	11.28
Job Development Training (.54%)	0.49	0.74	0.98
Workers Comp (4.67%)	4.26	6.38	8.51
Burden	36.46	36.46	36.46
Subtotal	144.70	200.31	254.92
10% profit mark up	14.47	20.03	25.49
TOTAL	159.17	220.34	280.41

Alex Galanos

From: Andrew Jonic <AJonic@rawnarch.com>
Sent: Tuesday, January 17, 2023 7:32 PM
To: Alex Galanos
Cc: Tony Guigli; Jim Lambrianidis; James Cusolito; Tim Caggiano
Subject: RE: BROOKLINE_ PCO69 - RFI154 Wiremold Raceway Rm 352 - Response.

Thanks Alex. We recommend approval of PCO69 by the Town of Brookline.

Andy

Andrew Jonic AIA
Associate Principal
c. 617.548.4275

WILLIAM RAWN ASSOCIATES | Architects, Inc.

27 School Street
Second Floor
Boston, MA 02108
t. 617.423.3470
www.rawnarch.com

From: Alex Galanos <agalanos@lambrian.com>
Sent: Tuesday, January 17, 2023 4:38 PM
To: Andrew Jonic <AJonic@rawnarch.com>
Cc: Tony Guigli <tguigli@brooklinema.gov>; Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>; Tim Caggiano <TCaggiano@eecne.com>
Subject: FW: BROOKLINE_ PCO69 - RFI154 Wiremold Raceway Rm 352 - Response.

[External]

Andrew,

Please see EEC's response on your comments.

Thank you,

ALEX GALANOS
Project Manager / Estimator

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021
T. 781-461-1100
F. 781-461-9885



From: Tim Caggiano <TCaggiano@eecne.com>
Sent: Tuesday, January 17, 2023 4:35 PM
To: Alex Galanos <agalanos@lambrian.com>
Cc: Mike Sacco <msacco@eecne.com>; Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>
Subject: Re: BROOKLINE_ PCO69 - RFI154 Wiremold Raceway Rm 352 - Response.

Alex

We are not charging to install
The outlets. We are charging labor to install the wire mold raceway and wire mold
Components that support the outlets. The cost of outlets and wiring is not included in this proposal.

Tim Caggiano
(781) 636-8059
Sent from my iPhone

On Jan 17, 2023, at 4:05 PM, Alex Galanos <agalanos@lambrian.com> wrote:

**This message originated from an External Source. Please use caution when opening
Link or Attachments.**

Tim,

Please review response from Architect on your attached PCO#19 and get back to me.
Resubmit as necessary.

Let me know if you have any questions.

Thank you,

ALEX GALANOS
Project Manager / Estimator

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021
T. 781-461-1100
F. 781-461-9885

<image005.png>

From: Andrew Jonic <AJonic@rawnarch.com>
Sent: Tuesday, January 17, 2023 3:20 PM
To: Alex Galanos <agalanos@lambrian.com>
Cc: cdematta@rawnarch.com; ianparks@hillintl.com; andyvo@hillintl.com; Tony Guigli <tguigli@brooklinema.gov>; Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>
Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

Alex,

There are 4 duplex outlets (base contract documents) that have been changed from installation in gwb to wiremold. Why is the Town being charged for labor to install the same 4 outlets in wiremold?

<image003.png>

Andrew Jonic AIA
Associate Principal
c. 617.548.4275

<image004.png>

27 School Street
Second Floor
Boston, MA 02108
t. 617.423.3470
www.rawnarch.com

From: Alex Galanos <agalanos@lambrian.com>
Sent: Tuesday, January 17, 2023 3:14 PM
To: Andrew Jonic <AJonic@rawnarch.com>
Cc: Colleen de Matta <CdeMatta@rawnarch.com>; ianparks@hillintl.com; andyvo@hillintl.com; Tony Guigli <tguigli@brooklinema.gov>; Jim Lambrianidis <jlambrianidis@lambrian.com>; James Cusolito <jcusolito@lambrian.com>
Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

[External]

Andrew,

I do not understand your comment?
This is per RF1154 response.
No work has been performed yet. EE is waiting for this PCO to be approved to order material and complete installation.

Thank you,

ALEX GALANOS
Project Manager / Estimator

Lambrian Construction Corp.
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<jcusolito@lambrian.com>
Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

Alex,

We recommend approval of the material costs, but not the labor costs. Energy did not install the (4) outlets, back boxes, wiring, etc.

Andy

Andrew Jonic AIA
Associate Principal
c. 617.548.4275

<image004.png>

27 School Street
Second Floor
Boston, MA 02108
t. 617.423.3470
www.rawnarch.com

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Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

[External]

Andrew,

Please review attached PCOs:

1. PCO69 – Per RF1154: Wiremold Raceway @ rm 352

Thank you,

ALEX GALANOS
Project Manager / Estimator

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021
T. 781-461-1100
F. 781-461-9885

<image005.png>

<\$\$\$ PCO #19 - RFI #154.pdf>

<RFI 154-ELEC_Countertop_Rec - Response (1).pdf>

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Sent: Tuesday, January 17, 2023 7:32 PM
To: Alex Galanos
Cc: Tony Guigli; Jim Lambrianidis; James Cusolito; Tim Caggiano
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ALEX GALANOS
Project Manager / Estimator

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<image003.png>

Andrew Jonic AIA
Associate Principal
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Thank you,

ALEX GALANOS
Project Manager / Estimator

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Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

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Andrew Jonic AIA
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Subject: RE: BROOKLINE_ PCO65 - PCOP66 - PCO67

[External]

Andrew,

Please review attached PCOs:

1. PCO69 – Per RFI154: Wiremold Raceway @ rm 352

Thank you,

ALEX GALANOS
Project Manager / Estimator

Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021
T. 781-461-1100
F. 781-461-9885

<image005.png>

<\$\$\$ PCO #19 - RFI #154.pdf>

<RFI 154-ELEC_Countertop_Rec - Response (1).pdf>

LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

January 17, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #69

OBJECT:
Energy Electric Co. Inc.
Per RFI#154 Response - Furnish and Install Wiremold Raceway on East Walls @ Classroom 352

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
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Quote:

See EEC's proposal #19, dated 01/13/23

LS 1 \$4,322.00 \$4,322.00

Materials: ADD

N/A

Labor: ADD

N/A

Subtotal				<u>\$4,322.00</u>
G.C. Fees (5%) - ADD	%	5.00%		<u>\$216.10</u>
				\$4,538.10
Bond Fee (1.5%) - ADD	%	1.50%		<u>\$68.07</u>
TOTAL				\$4,606.17

SAY: \$4,606.00

TOTAL ADD AMOUNT: Four Thousand Six Hundred Six Dollars.

Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp



January 13, 2023

Alex Galanos
Lambrian Construction Co.
420 Turnpike St,
Canton, MA 02021

RE: Brookline High School 3rd Floor – Job #122000
Proposal #19

Dear Alex:

Energy Electric is pleased to provide pricing to perform the following revisions to our scope of work:

- RFI #154 – Furnish and Install Wiremold Raceway on East Wall of Classroom 352.
 - This proposal is priced at straight time. If it is deemed necessary to complete this work after-hours additional costs will be incurred.
 - Any modification or revision of Epoxy Counter Tops to allow for installation of devices is by others and not included in this cost proposal.
 - This proposal includes costs for furnish and install of wiremold raceway only. Devices and wiring are included in base scope of work and do not reflect added costs to project.

Our costs associated with additional work stated above: **\$4,322.00**

Thank you for the opportunity to be of service, please contact me directly with any questions or additional information needed for this proposal. Please provide written direction of approval to proceed with this additional work.

Sincerely,

Timothy S Caggiano

Timothy S. Caggiano
Director of Operations

cc: File

Date: 1/13/2023

P.C.O. No: 19

To: Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

Phone: 781.801.0741

Fax:

RE: RFI #154 - Wiremold in Class Room 352
East Wall

Attn: Alex Galanos **Email:** agalanos@lambrian.com

	Qty	Mtl Unit	Labor Unit	Material Cost	Labor Hrs.
WM V4000B-10 Ivory Base Raceway	30	\$ 5.92		\$ 177.60	0.00
WM V4000C Ivory Cover	30	\$ 3.38		\$ 101.40	0.00
WM V40001A Couplings	4	\$ 6.44		\$ 25.76	0.00
WM V4020B Ivory Blank End Fittings	1	\$ 8.44		\$ 8.44	0.00
WMV4010DFO Entrance End Fitting	1	\$ 31.43		\$ 31.43	0.00
WM V4011 Ivory Flat Elbow	1	\$ 33.15	8	\$ 33.15	8.00
WM V4047C01 1G Ivory Device Plate	4	\$ 9.85		\$ 39.40	0.00
WM V4047RX 2G Ivory Cover Plate	4	\$ 9.85	0	\$ 39.40	0.00
Labor to Install Wiremold Raceway	1		16	\$ -	16.00
subtotals				\$456.58	24
Material					\$456.58
Tax					\$0.00
Electrician				\$ 144.70	\$3,472.80
OH&P				10.00%	\$392.94
Total this Change Order Proposal:					\$4,322.32

This proposal is priced at Straight Time
If work is to be completed after normal
business hours additional costs will be
incurred.

NEEDHAM ELECTRIC SUPPLY

N ATTLEBORO NEEDHAM ELECTRIC SUPPLY
344 JOHN DIETSCH BOULEVARD
NORTH ATTLEBORO, MA 02763
Phone 508-699-4256
Fax 508-809-6561



Quotation

EXPIRATION DATE	QUOTE NUMBER
01/28/2023	S5977966
N ATTLEBORO NEEDHAM ELECTRIC SUPPLY 344 JOHN DIETSCH BOULEVARD NORTH ATTLEBORO, MA 02763 Phone 508-699-4256 Fax 508-809-6561	PAGE NO. 1 of 1

QUOTE TO:

SHIP TO:

ENERGY ELECTRIC CO., INC.
740 QUAKER HIGHWAY
UXBRIDGE, MA 01569

ENERGY ELECTRIC CO., INC.
740 QUAKER HIGHWAY.
UXBRIDGE, MA 01569

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON		
96214	BROOKLINE HS		Casey Rhoades OSR		
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Laurence Choiniere X2300		OT14	Net 60 Days No SC	01/13/2023	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE	
30ft	WM V4000B-10 IVY RACEWAY BASE		5.920/ea	177.60	
25ft	WM V4000C IVY RACEWAY COVER		3.380/ea	84.50	
4ea	WM 4001A COUPLING		6.440/ea	25.76	
2ea	WM V4010B IVY BLANK END FITTING		8.400/ea	16.80	
1ea	WM V4010DFO FIBER READY ENT END FTG		31.430/ea	31.43	
1ea	WM V4011 IVY FLAT ELBOW		33.150/ea	33.15	
4ea	WM V4047C-1 1G IVY DEVICE PLATE		9.850/ea	39.40	
4ea	WM V4047RX 2G IVY COVER PLATE		9.850/ea	39.40	
Quotation does not include Sales Tax. Orders are subject to WESCO's Terms & Conditions https://www.wesco.com/doing-business-with-us			Subtotal	448.04	
			S&H Charges	0.00	
			Amount Due	448.04	



Lambrian Construction Corp.
420 Turnpike Street
Canton, Massachusetts 02021
P: (781) 461-1100
F: 781 461-9885

Project: 22-009 BROOKLINE High School Expansion -
3rd Floor Renovation & Quad Repairs
115 Greenough Street
BROOKLINE, Massachusetts 02445

RFI #154: ELEC_ Countertop Receptacle @ Rm 352 East wall

Status	Open		
To	Submittals Admin WRA (William Raw Associates, Architects Inc.)	From	Alexandre Galanos (Lambrian Construction Corp.) 420 Turnpike Street Canton, Massachusetts 02021
Date Initiated	Dec 29, 2022	Due Date	Jan 3, 2023
Location	Project Stage		
Cost Impact	Schedule Impact		
Spec Section	Cost Code		
Drawing Number	Reference		
Linked Drawings			
Received From	Alexandre Galanos (Lambrian Construction Corp.)		
Copies To	Mark Borreliz (William Raw Associates, Architects Inc.), Timothy Caggiano (ENERGY ELECTRIC CO, Inc.), James Cusolito (Lambrian Construction Corp.), Colleen DeMatta (William Raw Associates, Architects Inc.), Theodore Eliopoulos (Lambrian Construction Corp.), Alexandre Galanos (Lambrian Construction Corp.), Tony Guigli (TOWN OF BROOKLINE), Andrew Jonic (William Raw Associates, Architects Inc.), Paul Kalous (Hill International, Inc.), James Lambrianidis (Lambrian Construction Corp.), Mark Sacco (TOWN OF BROOKLINE), Mike Sacco (ENERGY ELECTRIC CO, Inc.), Andy Vo (Hill International, Inc.), Martin Warrington (Hill International, Inc.), Robert Wear (William Raw Associates, Architects Inc.)		

Activity

Question

Question from Alexandre Galanos Lambrian Construction Corp. on Thursday, Dec 29, 2022 at 10:01 AM EST

At room 352, east wall, the architectural drawings show countertop receptacles to be installed. Per existing conditions, outlets cannot be recessed
Please clarify and advise how to proceed.

Awaiting an Official Response

GGD Response

See attached cut sheet from LeGrand. Please use Wiremold V4000 for surface metal raceway.

- David Pereira
(12/30/22 email)

WRA Response

Please see A352 attached for layout. Prior to ordering wiremold, please confirm the counter backsplash can be furred out to match the depth of the wiremold without affecting the operation or installation of the faucet.

A. Jonic
1/3/23



WIREMOLD® Steel Raceway

The Industry Standard In Two-Piece Steel Raceway Available Factory Prewired

4000® Series Raceway is the work horse of surface raceway systems. 4000 Series Raceway can be divided for multi-service applications making it ideal for applications requiring a large cable capacity and dual-service requirements. Commercial, institutional, and industrial applications benefit from the rigid steel construction and durable ScuffCoat™ finish of this raceway. 4000 Series Raceway is also ideal for municipalities that have code requirements calling for all steel construction or that prohibit nonmetallic cable management systems.

4000 Series Raceway Used in a training room application.



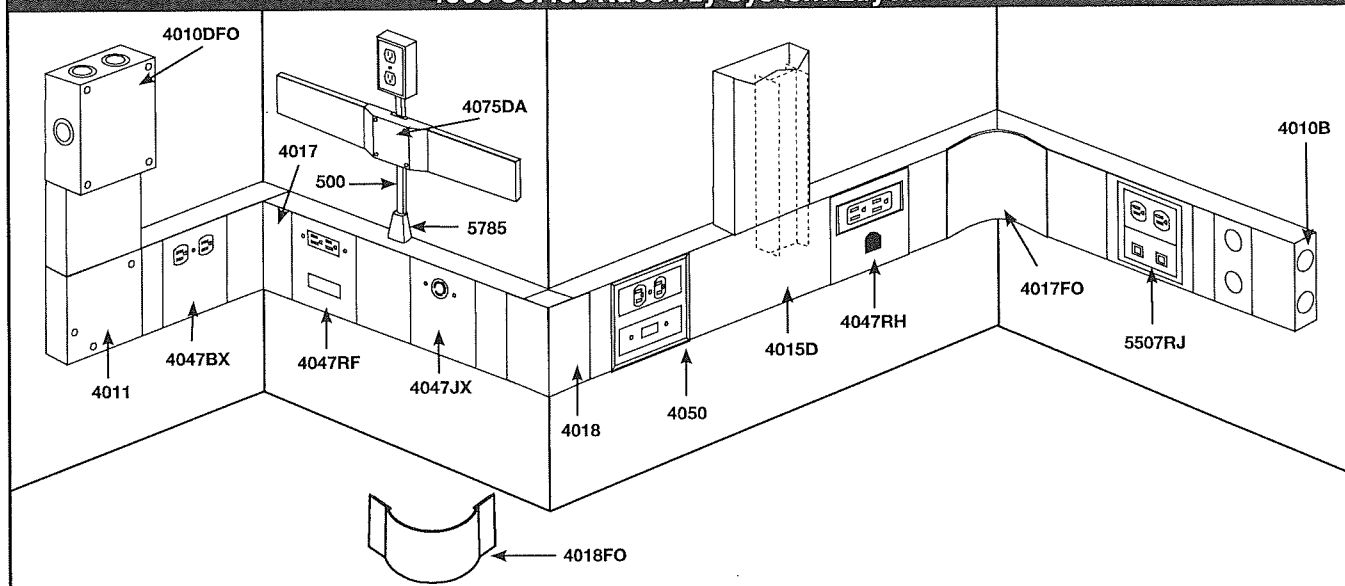
FEATURES & BENEFITS

- **New 4075D Series Bridge Fittings.** Provides ability to bridge over existing 4000, 2400, 700, and 500 Series Raceways.
- **New 4047 Faceplates.** One-piece device bracket with overlapping cover design that hides bad cuts and unsightly seams where device plates abut raceway covers.
- **New 4047-2 Faceplates.** Same great features as the 4047 faceplates, but now available in a double-wide 4-gang version.
- **4047 faceplates available with pre-pigtailed receptacle installed.** 20A heavy duty commercial grade duplex receptacle with 12" (305mm) pigtailed pre-installed in the device bracket. Saves time and labor.
- **FiberReady 2" (51mm) Fiber Optic Radius fittings.** UL and cUL verified and exceed the recommendations of TIA/EIA 569A. Available as full capacity fittings or inserts to be used for existing installations.
- **Large cross section area.** Provides ample space for large wiring requirements.
- **Complete line of fittings.** Provides complete wiring solution and allows for interconnection between raceway systems.
- **Gray baked enamel and Ivory ScuffCoat™ finish.** Durable ivory Scuffcoat finish makes a scratch resistant surface.
- **Feeder or header system.** Ideal for overhead, open spaces and under raised floor applications.
- **Pre-cut covers.** For mounting devices on various centers without cutting the covers. Use with 4046, 4047, 4048, 4007, and 4049 Series device plates.
- **4050 nonmetallic device plates.** Overlapping design offers an aesthetically pleasing way to cover seams. Available in gray or ivory.
- **Base and cover cutters.** Manually operated cutters are lightweight and portable. Cutters offer labor savings for any size job and maintain a factory clean and square end cut.
- **Available prewired.** Manufactured to specified job site lengths and ready to install. Jobs can be packaged by area, floor, or building and shipped per job site requirements.
- **Simple prewired ordering.** Provide us with marked-up electrical drawings and electrical/communications specifications and shipments can begin within three to four weeks or less for most jobs.
- **Datacom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- **UL5 and ADA compliant.** Raceway and fittings meet UL5 standards and can be installed in conformance with ADA requirements.
- **UL Listed multioutlet assemblies.** File E68073 Guide PVGT. Fittings: File E121188 Guide RJPR. Meets Article 380 of NEC and meets Section 12-3023 of CEC.
- **cULus Listed Surface Metal Raceway System.** File E4376 Guide RJBT. Fittings: File E41751, Guide RJPR. Meets Article 386 of NEC and meets Section 12-1600 of CEC.



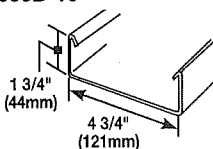
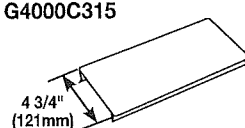
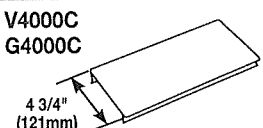
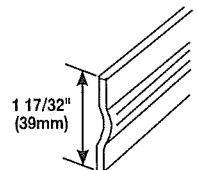
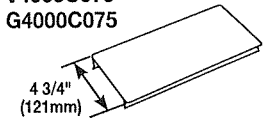
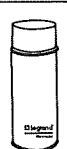
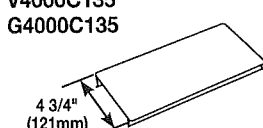

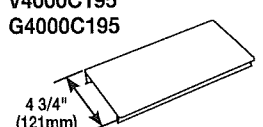
Now compatible with A/V devices.

4000 Series Raceway System Layout



NOTE: Illustration is for showing product applications only.


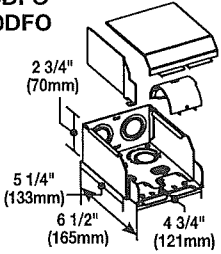
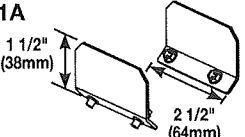
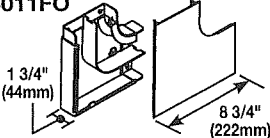

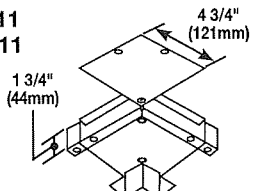
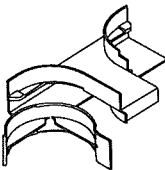
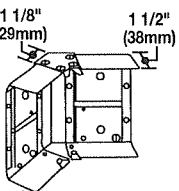
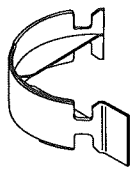
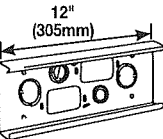
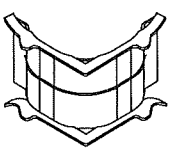
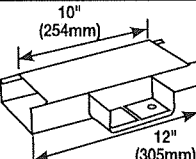
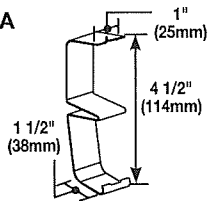
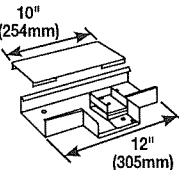
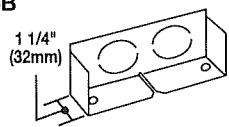
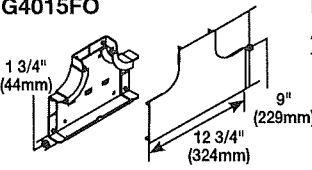
4000 Series Raceway Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4000B-10 G4000B-10 	Base – .050" galvanized steel Packed five 10' (3.050m) lengths per carton. Base has two 9/32" (7.1mm) diameter KOs on centers of approximately 18" (457mm) throughout.	V4000C315 G4000C315 	31.5" (775mm) Pre-Cut Cover – For mounting devices on 36" (915mm) centers with 4007, 4046, 4047, 4048, and 4050 Series plates. Spacing will be 36 1/4" (mm) with 4050.
V4000C G4000C 	Cover – .040" (1.0mm) galvanized steel. Packed ten 5' (1.5mm) lengths per carton.	G4000D 	Divider – .040" (1.0mm) galvanized steel. One side painted buff primer to provide identification of compartments.* Packed ten 5' (1.5m) lengths (50' (15.2m)) per carton. NOTE: 4001DA Divider Clips are required to hold divider in place.
V4000C075 G4000C075 	7.5" (191mm) Pre-Cut Cover – For mounting devices on 12" (305mm) centers with 4007, 4046, 4047, 4048, and 4050 Series plates. Spacing will be 12 1/4" (311mm) with 4050.	IWE-S GWE-S 	Spray Paint – Used for touching up large areas. Contains 12 oz. of paint. NOTE: Can only be shipped via ground transportation.
V4000C135 G4000C135 	13.5" (343mm) Pre-Cut Cover – For mounting devices on 18" (457mm) centers with 4007, 4046, 4047, 4048, and 4050 Series plates. Spacing will be 18 1/4" (464mm) with 4050.	IWE-P GWE-P 	Touch-Up Paint Pen – Used for touching up small areas. Contains 0.3 oz. of paint.
V4000C195 G4000C195 	19.5" (496mm) Pre-Cut Cover – For mounting devices on 24" (610mm) centers with 4007, 4046, 4047, 4048, and 4050 Series plates. Spacing will be 24 1/4" (616mm) with 4050.		

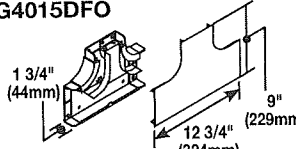
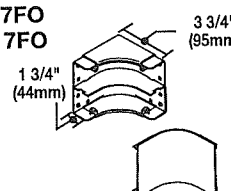
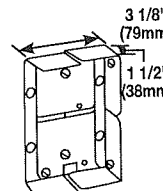
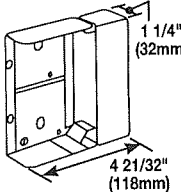
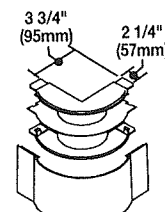
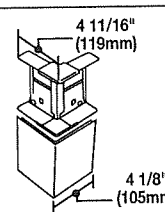
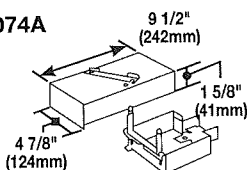
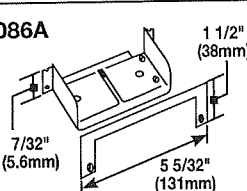


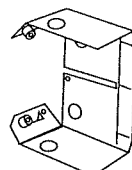
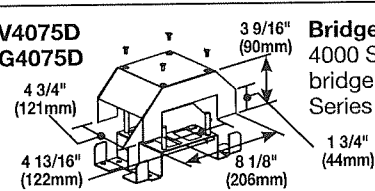
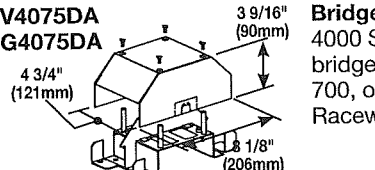
Download this product's PEP ecopassport®
environmental product declaration at
www.legrand.us/resources-and-downloads.
This declaration conforms with ISO 14025 and
14040 and is in alignment with EN 15804.

4000 Series Raceway Fittings Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
G4000WC 	Wire Clip (Plated) – For holding conductors in place.	V4010DFO G4010DFO 	Divided Entrance End Fitting – Has concentric 3/4", 1", and 1 1/4" trade size KOs on end and bottom for feeding 4000 Raceway. Furnished with removable divider and 1 1/4" (32mm) bend radius controlled insert.
4001A 	Coupling (Galvanized Steel Plated) – For joining lengths of G4000B. Sold in pairs.	V4011FO G4011FO 	FiberReady 2" (51mm) Radius Full Capacity Flat Elbow – A 90° flat corner for divided and undivided applications for new lay-in or pull-through installations.
4011DRI 	2" (51mm) Radius Insert for Divided Flat Elbow – Insert for V/G4011 Flat Elbow that provides a 2" (51mm) bend radius for UTP/STP or fiber optic cable installations.	V4011 G4011 	Flat Elbow – For right angle turns on the same surface.
4015DRI 	2" (51mm) Radius Insert for Divided Tee – Insert for V/G4015D Divided Tee that provides a 2" (51mm) bend radius for UTP/STP or fiber optic cable installations.	V4012TX G4012TX 	Internal or External 45° Elbow – Can also be assembled as an inverted 45° elbow. NOTE: Shown assembled as internal elbow.
4011/15RI 	2" (51mm) Radius Corner Insert – Insert for V/G4015 Undivided Tee that provides a 2" (51mm) bend radius for UTP/STP or fiber optic cable installations.	V4014A G4014A 	Wall Box Connector – Base has two concentric 1/2", 3/4", 1", and 1 1/4" trade size KOs, and two rectangular 2 9/16" x 1 11/16" (65mm x 43mm) KOs.
4017/18RI 	2" (51mm) Radius Insert for Internal/External Elbows – Insert for V/G4017 Internal Elbow and for V/G4018 External Elbow that provides a 2" (51mm) bend radius for UTP/STP or fiber optic cable installations.	V4015 G4015 	Full Capacity Tee – For undivided raceway only. Join to raceway run with G4001 Couplings (not furnished).
4001DA 	Divider Clip (Plated) – Required for holding G4000D Divider in place. Use one every 2 1/2' (0.762m).	V4015D G4015D 	Divided Tee – For divided raceway only. Join to raceway run with G4001 Couplings (not furnished).
V4010B G4010B 	Blank End – For closing open end of 4000 Base. Has two 1/2" trade size KOs.	V4015FO G4015FO 	FiberReady 2" (51mm) Radius Full Capacity Tee – A full capacity undivided tee fitting. For new lay-in or pull-through installations.



4000 Series Raceway Fittings Ordering Information (continued)

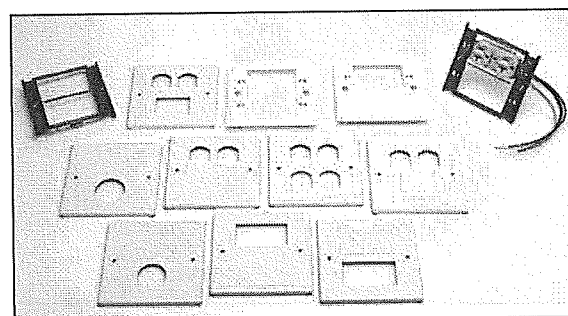
Catalog No./Item	Description/Specifications
V4015DFO G4015DFO 	FiberReady 2" (51mm) Radius Full Capacity Tee – A full capacity divided tee fitting. For new lay-in or pull-through installations.
V4017FO G4017FO 	FiberReady 2" (51mm) Radius Full Capacity Internal Elbow – Full capacity 90° internal corner for divided or undivided applications. For new installations.
V4017 G4017 	Internal Elbow – For 90° internal corners. Fiber bushing included.
V4017N G4017N 	Inverted Internal Elbow – For connecting a vertical run of 4000 Raceway with a horizontal overhead run with its cover facing up.
V4018FO G4018FO 	FiberReady 2" (51mm) Radius Full Capacity External Elbow – Use in divided or undivided applications. For new lay-in or pull-through installations.
V4018 G4018 	External Elbow – For 90° external corners.
G4074A 	Take-Off Connector (4000 to 3000) – For connecting a 90° tee at any point along a run of 4000 Raceway.
G4086A 	Panel Connector – For connecting 4000 Raceway with surface type panel boxes. Accommodates maximum wire capacity of 4000 System. C-shaped flange covers uneven cuts to the box.

Catalog No./Item	Description/Specifications
G4017TCA 	Internal Corner Coupling (Plated) – For making an internal corner while continuing a straight run. May be used with or without divider. A 4010B Blank End Fitting is required for an internal elbow. Fiber Bushing included.
V4075D G4075D 	Bridge Fitting – Allows 4000 Series Raceway to bridge over existing 4000 Series Raceway installations.
V4075DA G4075DA 	Bridge Fitting – Allows 4000 Series Raceway to bridge over existing 2400, 700, or 500 Series Raceway installations.

* Faceplates can also be used with 6000 Series Raceway.
 Add "C" prefix to denote Canadian version – Agency approved for sale in Canada. ®

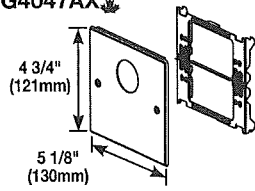
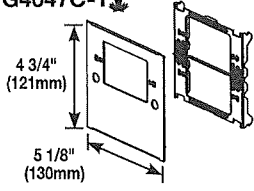
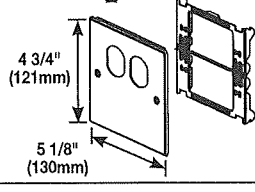
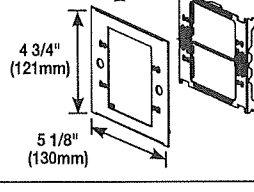
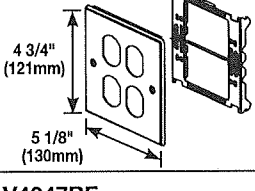
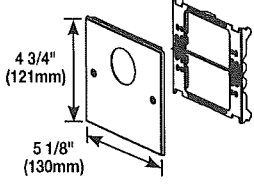
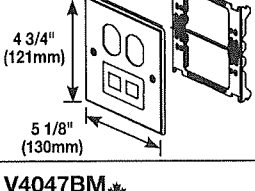
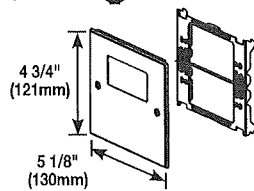
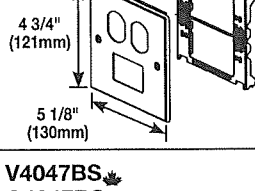
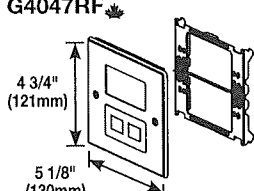
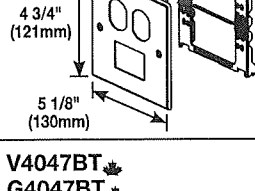
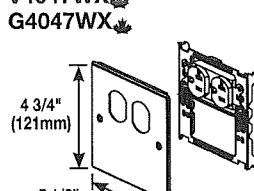
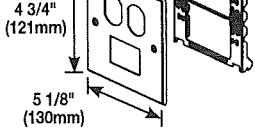
4000 Series Raceway Cutters

Catalog No./Item	Description/Specifications
640B 	Base Cutter – Portable base cutter. Steel constructed provides clean and easy square cuts. Manual operation required.
640BDK	Replacement Blade Kit – Replacement blade and die set for 640B Cutter.
640C 	Cover Cutter – Portable cover cutter. Steel constructed provides clean and easy square cuts. Manual operation required.
640CDK	Replacement Blade Kit – Replacement blade and die set for 640C Cutter.



New 4047 Faceplates accommodate a wide range of power and communications applications.





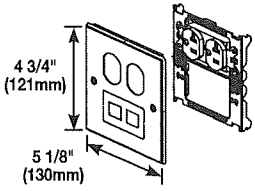
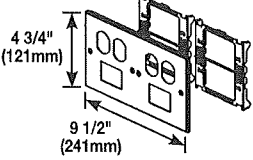




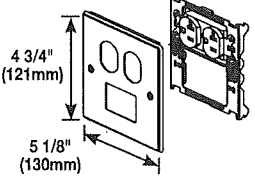
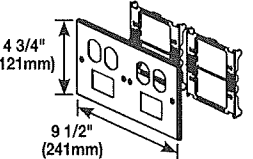




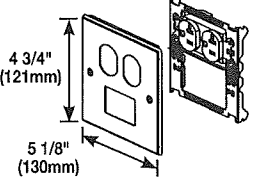
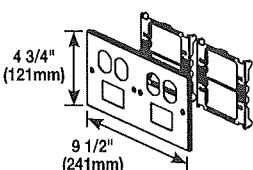




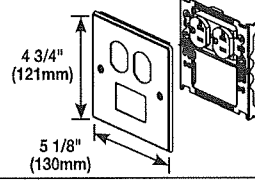
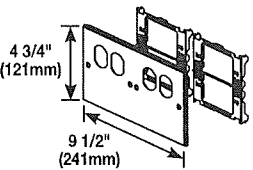




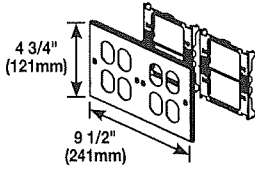
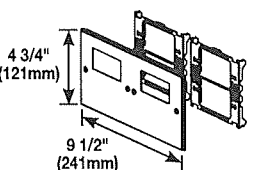




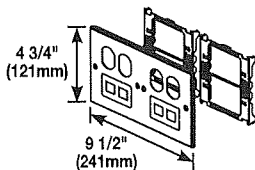
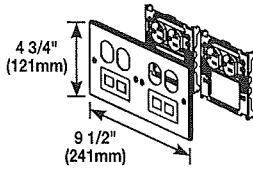
4047 Series Cover Plates Ordering Information


Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4047AX G4047AX 	Two-Gang Overlapping Cover Single Round Opening – For straight blade and locking single receptacles with face diameters of 1.38" to 1.39" (35mm to 36mm).	V4047C-1 G4047C-1 	One-Gang Overlapping Device Plate – Use with commercially available single-gang flush plate (sold separately).
V4047BX G4047BX 	Two-Gang Overlapping Cover Duplex Receptacle – For 15A and 20A duplex receptacles. Accepts 106 Communications Duplex Frame.	V4047C-2 G4047C-2 	Two-Gang Overlapping Device Plate – Use with commercially available two-gang flush plate (sold separately).
V4047BB G4047BB 	Two-Gang Overlapping Cover Two Duplex Receptacles – For 15A and 20A duplex receptacles. Accepts 106 Communications Duplex Frame.	V4047JX G4047JX 	Two-Gang Overlapping Cover Single Round Opening – For straight blade and single locking receptacles with face diameters of 1.56" – 1.58" (39mm – 40mm).
V4047BF G4047BF 	Two-Gang Overlapping Cover Duplex & Modular Furniture – For 15A and 20A duplex receptacles. Includes combination Modular Furniture and two Keystone twistouts. Accepts modular furniture adapter, 106 Communications Duplex Frame or RJ45.	V4047RX G4047RX 	Two-Gang Overlapping Cover Rectangle Opening – For rectangular GFCI, Surge and decorator style devices. Does not accept 5507 Series Faceplates.
V4047BM G4047BM 	Two-Gang Overlapping Cover Duplex & 2A Mini adapter – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communications Duplex Frame, Activate inserts & Wiremold Open System Communication Modules.	V4047RF G4047RF 	Two-Gang Overlapping Cover Rectangle Opening & Modular Furniture – For rectangular GFCI, Surge and decorator style devices. Does not accept 5507 Series Faceplates. Accepts modular furniture adapter and RJ45.
V4047BS G4047BS 	Two-Gang Overlapping Cover Duplex & Series II Mini Adapter – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communications Duplex Frame or one Ortronics® Series II Communications Insert.	V4047WX G4047WX 	Two-Gang Overlapping Cover with One Duplex Receptacle Installed – Includes one Pass & Seymour Duplex Receptacle with 12" wire leads installed on bracket.
V4047BT G4047BT 	Two-Gang Overlapping Cover Duplex & TracJack Mini Adapter – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communications Duplex Frame or two Ortronics® TracJack Communications Inserts.		

NOTE: Faceplates can also be used with 6000 Series Raceway.

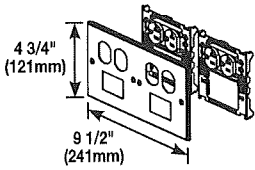
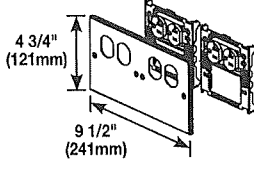
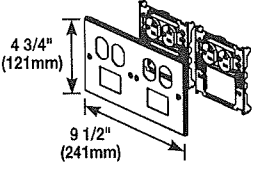
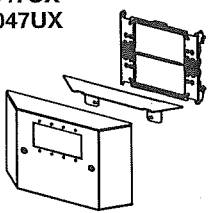
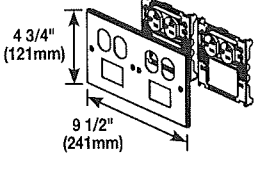
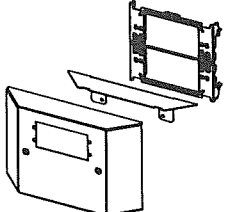
* Add "C" prefix to denote Canadian version – UL Listed to U.S. and Canadian Safety Standards. ®

4047 Series Cover Plates Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4047WF  G4047WF 	Two-Gang Overlapping Cover with One Duplex Installed & Modular Furniture Opening – Includes one Pass & Seymour 20 A Duplex Receptacle with 12" wire leads installed on bracket. Includes combination Modular Furniture and 2 Keystone Twist Out. Accepts modular furniture adapter and RJ45.	V4047-2BBMM  G4047-2BBMM 	Four-Gang Overlapping Cover Two Duplex & Two Activate Mini Adapters – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communication Duplex Frame, Activate Inserts & Wiremold Open System Communications Modules.
			
V4047WM  G4047WM 	Two-Gang Overlapping Cover with One Duplex Installed & Activate Mini adapter – Includes one Pass & Seymour 20A Duplex Receptacle with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts Activate inserts & Wiremold Open System Communication Modules.	V4047-2BBSS  G4047-2BBSS 	Four-Gang Overlapping Cover Two Duplex & Two Series II Mini Adapters – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communication Duplex Frame or one Ortronics® Series II Communication insert.
			
V4047WS  G4047WS 	Two-Gang Overlapping Cover with One Duplex Installed & Series II Mini adapter – Includes one Pass & Seymour 20A Duplex Receptacle with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts one Ortronics® Series II Communications insert.	V4047-2BBTT  G4047-2BBTT 	Four-Gang Overlapping Cover Two Duplex & Two TracJack Mini Adapters – For 15A and 20A duplex receptacles. Includes Mini adapter. Accepts 106 Communication Duplex Frame or two Ortronics® TracJack Communications inserts.
			
V4047WT  G4047WT 	Two-Gang Overlapping Cover with One Duplex Installed & TracJack Mini adapter – Includes one Pass & Seymour 20A Duplex Receptacle with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts two Ortronics® TracJack Communications inserts.	V4047-2BBXX  G4047-2BBXX 	Four-Gang Overlapping Cover with Two Duplex Openings – For 15A and 20A duplex receptacles. Accepts 106 Communication Duplex Frame.
			
V4047-2BBBB  G4047-2BBBB 	Four-Gang Overlapping Cover Four Duplex Openings – For 15A and 20A duplex receptacles. Accepts 106 Communication Duplex Frame.	V4047-2RRXX  G4047-2RRXX 	Four-Gang Overlapping Cover Two Rectangular Openings – For rectangular, GFCI, Surge and decorator style devices. Does not accept 5507 Series Faceplates.
			
V4047-2BBFF  G4047-2BBFF 	Four-Gang Overlapping Cover Two Duplex & Two Modular Furniture Openings – For 15A and 20A duplex receptacles. Includes combination Modular Furniture & two Keystone Twistouts. Accepts 106 Communication Duplex Frame, RJ45 or modular furniture adapter.	V4047-2WWFF  G4047-2WWFF 	Four-Gang Overlapping Cover Two Duplex Installed & Two Modular Furniture Openings – Includes two, Pass & Seymour 20A Duplex Receptacles with 12" wire leads installed on Bracket. Includes combination Modular Furniture & four keystone Twistouts. Accepts modular furniture adapter or RJ45.
			

NOTE: Faceplates can also be used with 6000 Series Raceway.
 * Add "C" prefix to denote Canadian version – UL Listed to U.S. and Canadian Safety Standards. 

4047 Series Cover Plates Ordering Information (continued)

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4047-2WWMM G4047-2WWMM	Four-Gang Overlapping Cover with Two Duplex Installed & Two Activate Mini Adapters – Includes two Pass & Seymour 20A Duplex Receptacle with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts two Activate inserts & Wiremold Open System Communication Modules. 	V4047-2WWXX G4047-2WWXX	Four-Gang Overlapping Cover with Two Duplex Receptacles Installed – Includes two Pass & Seymour 20A Duplex Receptacles with 12" wire leads installed on Bracket. 
V4047-2WWSS G4047-2WWSS	Four-Gang Overlapping Cover with Two Duplex Installed & Two Series II Mini Adapters – Includes two Pass & Seymour 20A Duplex Receptacles with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts two Ortronics® Series II Communication inserts 	V4047UX G4047UX	Bump-Up Extron® MAAP Device Plate – Accepts four Extron® Electronics MAAP single space modules. 
V4047-2WWTT G4047-2WWTT	Four-Gang Overlapping Cover with Two Duplex Installed & Two TracJack Mini Adapters – Includes two Pass & Seymour 20A Duplex Receptacles with 12" wire leads installed on Bracket. Includes Mini adapter. Accepts four Ortronics® TracJack Communications inserts. 	V4047VX G4047VX	Bump-Up Extron® AAP Device Plate – Accepts two Extron® Electronics AAP single space modules. 

NOTE: Faceplates can also be used with 6000 Series Raceway.
 * Add "C" prefix to denote Canadian version – UL Listed to U.S. and Canadian Safety Standards. ®

4047 Series Configurable Cover Plates Number Logic

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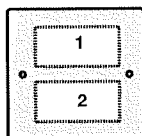
V Ivory & UL Listed
G Gray & UL Listed

CV Ivory & cULus Listed (Canada only)
CG Gray & cULus Listed (Canada only)

2. Choose a Plate Configuration:

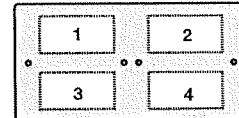
Two-Gang Plate:

X 4047 Y Y
1 2





Four-Gang Plate:


X 4047-2 Y Y Y Y
1 2 3 4





3. For "Y", Choose any combination of configurations from the options listed below:

A.  1.41" (35.8mm) Diameter, Single Round Receptacle


J.  1.59" (40mm) Diameter, Single Round Receptacle


T.  Ortronics TracJack 2A Mini Adapter Adapter Opening with Adapter

B.  Duplex Receptacle Opening

M.  Pass & Seymour Activate 2A Mini adapter Opening with Adapter


W.  Pass & Seymour Light Almond 20 Amp Receptacle pre-pigtailed with 12" wire leads installed on Bracket


F.  Combination Modular Furniture & 2 Keystone Twist Out

R.  Rectangular Receptacle

X.  Blank

H.  Mouse Hole Twist Out & Grommet

S.  Ortronics Series II 2A Mini adapter Opening with Adapter

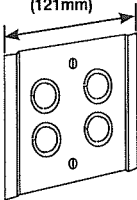
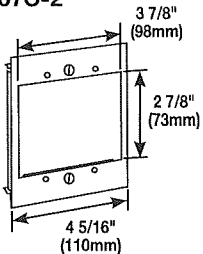
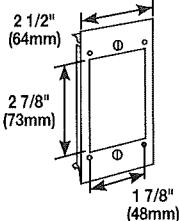
Z.  3 Keystone Twist Out

4. Finished Part Number

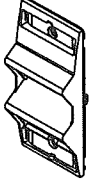
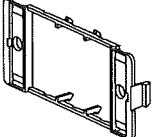
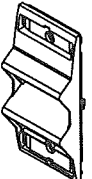
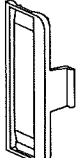
__ 4047 __ __ 4047-2 __ __ __

NOTE: For additional colors or configurations, call 1-800-621-0049, option 2.

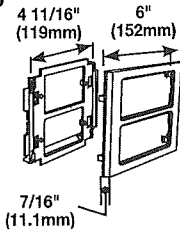
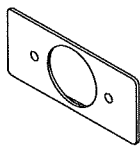
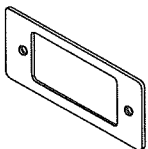
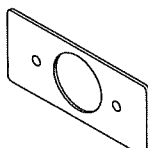
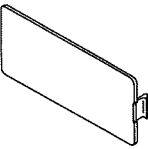
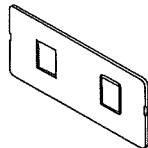
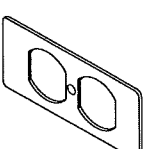
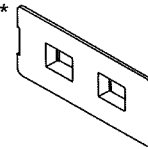
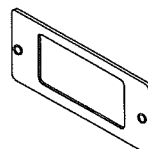
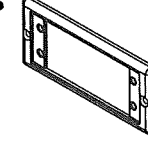
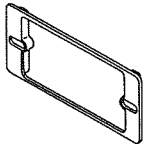
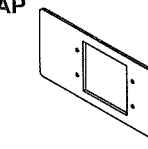
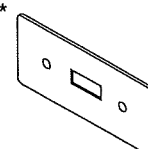
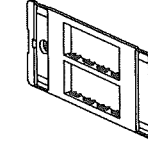
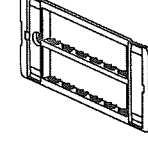
4000 Series Raceway Faceplates Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4046H-2 G4046H-2 	Tap-Off Fitting – Has four concentric 1/2" and 3/4" trade size KOs.	V6007C-2 G6007C-2 	Two-Gang Device Plate – For installing two-gang devices or two vertically mounted single-gang devices on undivided raceway. <ul style="list-style-type: none"> • Accepts commercially available wall plate (not furnished).
V6007C-1 G6007C-1 	Single-Gang Device Cover – For vertical mounting of single-gang devices on undivided raceway. Accepts commercially available wall plate. (sold separately)	NOTE: Faceplates can also be used with 6000 Series Raceway. • Add "C" prefix to denote Canadian version – UL Listed to U.S. and Canadian Safety Standards. (UL)	

Communication Endplates Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
ARA-S2 	Angled Raceway Adapter – For use with multi-channel raceway device brackets and WallSource device mounting brackets. Angled exit provides additional mounting depth required for A/V connections as well as ensuring the required bend radius for UTP and fiber optic cabling. Holds two Ortronics® Series II modules. Fits 5507 Series Faceplate opening.	CM-EPLA* 	End Plates – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Pass & Seymour Activate and Wiremold Open System communication modules into 4050 Series device brackets.
CM-ARA 	Angled Raceway Adapter – For use with multi-channel raceway device brackets and WallSource device mounting brackets. Angled exit provides additional mounting depth required for A/V connections as well as ensuring the required bend radius for UTP and fiber optic cabling. Holds two CM2 Series modules or two Pass & Seymour® 2A inserts. Fits 5507 Series Faceplate opening.	S2-EPL* 	End Plates – Includes two outlet identification labels with clear covers and two matching screw covers. Required for mounting Ortronics Series II modules into 4050 Series device brackets.

V/G4050 & 5507 Series Faceplates Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
V4050* G4050* 	Device Mounting Bracket – High impact plastic mounting bracket and trim plate which overlap raceway cover providing a seamless transition. For use with 5507 Series Faceplates, Ortronics® TracJack & Series II Modules, Pass & Seymour Activate Series Inserts, and Wiremold Open System Communication Modules.	5507T1* 	Single Receptacle Faceplate – For covering single receptacles – 1.59" (40.4mm) diameter.
5507AD* 	Modular Furniture Adapter – For mounting Pass & Seymour Activate modular furniture adapter and other modular furniture adapters.	5507T2* 	Single Receptacle Faceplate – For covering single receptacles – 1.41" (35.8mm) diameter.
5507B* 	Blank Faceplate – For covering unused compartments in the device bracket.	5507RJ* 	Dual RJ11/RJ45 Connector Faceplate – For mounting one or two RJ type keystone connectors – has one opening and a KO for the other.
5507D* 	Duplex Faceplate – For covering duplex style devices. Accepts 106 Communication Duplex Frame.	5507FRJ* 	Flush Dual RJ11/RJ45 Faceplate – Same as 5507RJ except the connectors are recessed to provide a flush installation.
5507R* 	Rectangular Faceplate – For covering rectangular style devices.	5507AAP 	Extron® AAP Faceplate – Accepts two Extron® Electronics AAP single space modules. NEW!
5507S* 	Rectangular Spacer – For mounting commercial device plates. Installs between the device bracket and a device.	5507MAAP 	Extron® MAAP Faceplate – Accepts two Extron® Electronics MAAP single space modules. NEW!
5507SW* 	Switch Faceplate – For covering standard toggle switches.	5507-4TJ* 	Ortronics Faceplate – For mounting Ortronics® communication inserts. Accepts four TracJack Devices.
		5507-6TJ* 	Ortronics Faceplate – For mounting Ortronics® communication inserts. Accepts six TracJack Devices.

NOTE: All faceplates are 4 1/4" long x 1 11/16" wide (108mm x 43mm).

* Add "G" suffix to indicate gray finish.

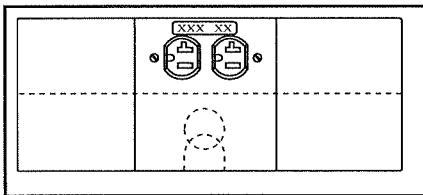
Not for use with 4048BF and 4048RF Device Covers.

4000 Series Prewired Steel Raceway Features

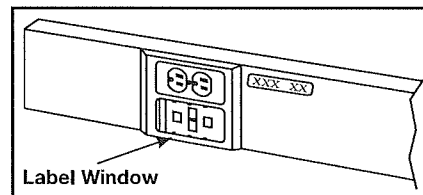
FEATURES	STANDARD	OPTIONS
Communication Devices	Ortronics or Pass & Seymour Activate Connectivity System Devices	Other manufacturers
Electrical Devices	Pass & Seymour	Other manufacturers and some International devices
Base Length	Longest = 10' (2.54m), shortest = 1' (305mm)	—
Installation	Surface mounted	—
Finish	Baked enamel finish custom colors	Standard colors of baked powder epoxy or
Wire Type	THHN stranded	Options per specification
Wiring Splices	Insulation displacement connectors	Continuous wiring or twist-on wire connector
Grounding Conductors	Wire gauge per National Electrical Code (NEC) and shared grounding wires	Oversized and/or separate grounding wires
Device Identification	Gray self-adhesive polyester label with black letters	Self-adhesive engraved nameplate
Neutrals	Shared neutral	Oversized and/or separate neutral wires
Pigtails	12" (305mm) feeds and receptacle leads	Per specification
Conduit Feeds	Raceway drilled at job site	Entrance end cap
Device Mounting	Nonmetallic plates	Steel plates
Record Drawings	3 sets and 2 copies of marked-up blueprints	Per job requirements
Submittal Services	Detailed submittal	Submittal free

Device and Raceway Labeling Detail for Prewired Applications

- Device labeling is available in the following materials:
 - Gray self-adhesive polyester label with black lettering (standard).
 - Other color self-adhesive polyester labels.
 - Engraved phenolic nameplates with adhesive backing.
- The back of the raceway is labeled with the raceway number and the room or area number(s).



Labeling detail using the steel device plates.



Labeling detail using the nonmetallic 4050 Device Plates. (Shown with Pass & Seymour Activate connectivity inserts).

4000 Series Ordering Specifications for Prewired Applications

Two options available when ordering a prewired job:

- 1. Detailed Submittal** The detailed submittal will show exactly how each raceway run will be built including lengths, number and type of receptacles, wiring schematics, circuiting information, etc. The contractor and/or distributor must review, clarify any information not clearly indicated on the drawings or specs, approve, and return to the factory before production can begin.
- 2. Submittal Free** The Prewired Express Building Plan Checklist is filled out by the contractor or distributor and sent along with plans, casework, and specs to the factory. No submittal is required and the project is scheduled for production upon receipt of all necessary information.

4000 Series Raceway Wire Fill Capacity Charts

4000 Series Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D. Inches (mm)	NUMBER OF CONDUCTORS (40% FILL)							
		WITHOUT DEVICES		WITH DUPLEX RECT. DEVICES 1.59 IN ² (1025mm ²)		WITH SURGE/ GFCI DEVICES 2.30 IN ² (1485mm ²)		LARGE SINGLE RECEPTACLES 3.00 IN ² (1935mm ²)	
		UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED	UNDIV.	DIVIDED
14 AWG	0.111 (2.8)	296	127	165	78	107	49	49	20
12 AWG	0.130 (3.3)	216	93	120	57	78	36	36	15
10 AWG	0.164 (4.2)	136	58	76	36	49	22	22	9
8 AWG	0.216 (5.5)	78	33	43	20	28	13	13	5
6 AWG	0.254 (6.5)	56	24	31	15	20	9	9	3
4 AWG	0.324 (8.2)	34	15	0	0	0	0	0	0
3 AWG	0.352 (8.9)	29	12	0	0	0	0	0	0
2 AWG	0.384 (9.8)	24	10	0	0	0	0	0	0

* For additional information, refer to section T1 of the current version of catalog ED1560 (Product Guide)

4000 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D.		DIVIDED 40% FILL*	UNDIVIDED 40% FILL*
		Inches	(mm)		
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	(4.8)	49	101
	4-pair, 24 AWG, Cat 5e	0.210	(5.3)	40	83
	4-pair, 24 AWG, Cat 6	0.250	(6.3)	28	58
	4-pair, 24 AWG, Cat 6a*	0.354	(3.6)	14	29
	25-pair, 24 AWG	0.410	(10.4)	10	21
COAXIAL	RG6/U	0.270	(6.9)	24	50
FIBER	ZipCord	0.118 x 0.236(3 x 6)		50	103
	Round 4 Strand Fiber	0.187	(4.8)	51	104
	Round 6 Strand Fiber	0.256	(6.5)	27	55

* Category 6 augmented (6a) cable for 10 gigabit ethernet – max allowed cable diameter per addenda No. 11 ANSI TIA/EIA 568-B.2.

4000 Raceway Wire Fill Capacities When Using 4000 Radius Inserts

	CABLE/WIRE SIZE	4011 FLAT ELBOW O.D.		4017 & 4018 ELBOWS 40% FILL		4015D & 4015 TEE FITTINGS 40% FILL		40% FILL	
		Inches	(mm)	4011DRI Divided	4011/4015RI Undivided	4017/18RI Divided	4017/18RI Undivided	4015DRI Divided	4011/15RI Undivided
POWER WIRING THHN/THWN	2 AWG	0.384	(9.8)	11	21	6	11	6	16
	4 AWG	0.324	(8.2)	15	30	8	15	9	23
	6 AWG	0.254	(6.5)	24	48	13	25	14	37
	8 AWG	0.216	(5.5)	34	67	18	35	20	51
	10 AWG	0.164	(4.2)	68	136	36	71	40	104
	12 AWG	0.130	(3.3)	107	214	56	112	63	163
	14 AWG	0.111	(2.8)	145	288	75	151	85	220
UNSHIELDED TWISTED PAIR	Cat. 3 UTP	0.190	(4.8)	44	88	23	46	26	67
	Cat. 5e UTP	0.210	(5.3)	36	72	19	38	21	55
	Cat. 6 UTP	0.250	(6.3)	23	47	12	24	13	36
	Cat. 6a UTP	0.354	(9.0)	16	31	9	15	10	24
	25-pair	0.410	(10.4)	9	19	5	10	6	14
COAXIAL	RG6/U	0.270	(6.9)	22	44	22	23	13	33
FIBER OPTIC	Fiber ZipCord	0.118 x 0.236(3 x 6)		132	263	69	137	78	201
	Round Fiber 4 Strand	0.187	(4.8)	44	88	23	46	26	67
	Round Fiber 6 Strand	0.256	(6.5)	36	72	19	38	21	55

NOTES



Electrical Wiring Systems

60 Woodlawn Street
West Hartford, CT 06110
Phone: 1.877.8Y.LEGRAND (295-3472)
www.legrand.us

570 Applewood Crescent
Vaughan, Ontario L4K 4B4
Phone: 905.738.9195
www.legrand.ca



LAMBRIAN CONSTRUCTION Corp.
General Contractors
420 Turnpike Street - CANTON, MA 02021
Tel: (781) 461-1100 / Fax: (781) 461-9885

January 26, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #72

OBJECT:
LAMBRIAN Construction
Per Field Bulletin 35 - Delete Furnish and Install Entrance Mat, deleted from contract by the Owner.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
--------	-------------	------	-----	-----------	----------	----------	-------

Quote:
Delete Furnish and Install Entrance Mat
See PAVILION FLOOR Quote, Dated 10/26/22

LS	1	-\$3,700.00	-\$3,700.00
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SAY: -\$3,700.00

TOTAL CREDIT AMOUNT: Three Thousand Seven Hundred Dollars.

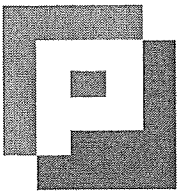
Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp

WRA recommends this PCO for
approval by the Town of Brookline

Andy Jonic
William Rawn Associates
1/26/23





PAVILION
FLOORS

a DIVERZIFY company

October 26, 2022

Jim Lambrianidis
Lambrian Construction Corp.
420 Turnpike Street
Canton, MA 02021

Re: Brookline HS Expansion
Bid # Z0000271 CO- 011
Entrance Mat at Vestibule 427

Dear Jim:

We are pleased to quote on the above-referenced project.

Scope of Work: F&I WOM per attached Drawings

WOM Shaw Contract Portal Tile 5T035 24"x24" Sterling 34557

Total Price \$3,700.00

***Exclude- Overtime**

If you require further assistance, please do not hesitate to contact me.

Cordially,

Brad Anderson
Senior Project Manager
Pavilion Floors

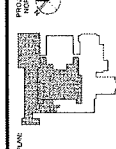


TOWN OF BROOKLINE

THIRD FLOOR RENOVATION AND QUAD REPAIR


[illegible]01/28/2022
CONTRACT DOCUMENTS

REVISIONS		
REV NO	DATE	REVISION
1	02/11/07	ADDSQUIM#1
2	07/25/07	ADDSQUIM#1



DRAWING TITLE:

FINISH SCHEDULE & LEGEND

	DATE: 01/06/2022
	SCALE
	CHECKED BY: AJ
	DRAWN BY: CD

A1001

BHS THIRD FLOOR RENOVATION FINISH SCHEDULE

	NUMBER	ROOM NAME	FLOORING	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING
CLASSROOM	345	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW/WB-1	GBW	ACT-1
	347	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW	GBW/WB-1	GBW/WB-1	ACT-1
	350	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW/WB-1	GBW	ACT-1
	351	CLASSROOM	LVT-1	RB	GBW	GBW/WB-1	GBW	GBW	ACT-1
	352	ACE SCIENCE	LVT-1	WD-1/WD-2/WD-3	GBW	GBW	GBW/WB-1	GBW	ACT-1
	357	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
	358	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW	GBW/WB-1	ACT-1
	359	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW	GBW/WB-1	ACT-1
	360	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
	361	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
	362	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
	363	LEARNING CENTER	LVT-1	WD-1/WD-2/WD-3	GBW/WB-1	GBW/WB-1	GBW	GBW/WB-1	ACT-1
	364	COMP-SCI CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
	365	OFFICE	LVT-1	RB	GBW	GBW	GBW	GBW	ACT-1
	365A	OFFICE	LVT-1	RB	GBW	GBW	GBW	GBW	ACT-1
	366	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/GLASS	GBW/GLASS	GBW/GLASS	GBW/WB-1	ACT-1, GYP-1
	368	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/GLASS	GBW/GLASS	GBW	GBW/WB-1	ACT-1
	370	BUSINESS CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW	GBW/WB-1	GBW/WB-1	GBW/WB-1	ACT-1
378	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/GLASS	GBW	GBW	GBW/GLASS	ACT-1	
379	CLASSROOM	LVT-1	WD-1/WD-2/WD-3	GBW/GLASS	GBW/WB-1	GBW	GBW/WB-1	ACT-1	
379A	LOUNGE	LVT-1	RB	GBW/GLASS	GBW	GBW/GLASS	GBW/GLASS	ACT-1	
379B	CORRIDOR	LVT-1, LVT-2	SEE ELEVATIONS	SEE ELEVATIONS	SEE ELEVATIONS	SEE ELEVATIONS	SEE ELEVATIONS	ACT-2, GYP-1	

General Notes:

1. WHERE NEW FLOORING IS TO BE APPLIED, IT SHALL INCLUDE A NEW PLYWOOD SUBFLOOR LAYER. SEE DETAILS ON A3-SERIES ELEVATIONS ON A3-SERIES

BHS THIRD FLOOR RENOVATION

[illegible]

January 23, 2023

WILLIAM RAWN ASSOCIATES, Architects Inc.
27 School Street
BOSTON, MA 02108

Project:
BROOKLINE HIGH SCHOOL - 3RD FLOOR RENOVATIONS & QUAD REPAIRS
115 Greenough Street
BROOKLINE, MA 02445

PCO #73

OBJECT:

LAMBRIAN / APS Boston - Per RFI157R

Provide preformed weeps at the bottom of each staggered tread joint.
Install vertical weeps, 6" behind back of granite treads.

Item #	DESCRIPTION	Unit	QTY	\$ / unit	Subtotal	Subtotal	TOTAL
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Quote:

N/A

Materials: ADD

See APS Boston Proposal per RFI 157R, dated 01/26/23

LS 1 \$1,653.00 \$1,653.00

Labor: ADD

N/A

Subtotal **\$1,653.00**

G.C. Fees (5%) - ADD

% 5.00% **\$82.65**

\$1,735.65

Bond Fee (1.5%) - ADD

% 1.50% **\$26.03**

\$1,761.68

TOTAL

SAY: \$1,762.00

TOTAL ADD AMOUNT: One Thousand Seven Hundred Sixty Two Dollars.

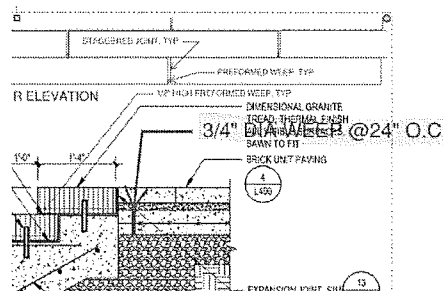
Sincerely,

Alex Galanos - Project Manager
Lambrian Construction, Corp

WRA recommends this PCO for
approval by the Town of Brookline

Andy Jonic
William Rawn Associates
1/26/23

ALG



LEMONBROOKE OK TO:

- PRICE PROPOSAL
- CHANGE PER EMAIL 1/26/23

APS BOSTON - Proposal for RFI 157R - 11/26/23

Location	Group	Location	Condition	Description	Takeoff Quantity	Crew	Labor Productivity	Labor Quantity	Labor Hours	Labor Rate Table	Labor Base Price	Material Quantity	Material Control Int	Total Cost/Unit	Total Amount
RFI 157	14900			EXTERIOR STONE LABOR											
				GRANITE Labor											
	RFI 157			Weapons at granite trade	18.00 lbs	infin	72.0 lbs / cd	0.25 cd	8	Feb 2022	2,395.85 / cd	-	-	32.73 / lbs	5
	RFI 157			Drill Weeps in Slab	18.00 lbs	in	36.0 lbs / cd	0.50 cd	4	Feb 2022	666.22 / cd	-	-	19.41 / lbs	3
	19900			MASONRY LABOR OVERHEAD											
				Masonry Labor Overhead	3.00 hr	in		3.00 hr	3	Feb 2022	87.12 / hr	-	-	82.12 / hr	2
	RFI 157			Trucking											
	24900			MORTAR & ACCESS, MAT'L											
				Flashing & Weeps	1.00 ea									80.00 / ea	
	RFI 157			Weeps/Quad vent 1 box											
	74000			MASONRY EQUIPMENT											
				Masonry Equipment	2.00 hr										
	RFI 157			Pickup Truck	0.50 day									15.00 / day	
	RFI 157			Driller										150.00 / day	

Partial Totals

Description	Amount	Totals	Hours	Rate
Labor	1,465		13,000 hrs	
Material	80			
Subcontract				
Equipment	120		7,600 hrs	
Other	1,385			
State Sales Tax - MA				
Mat'l Excl.	24			2.00 %
Labor Exclusion	28			2.00 %
Small Tools & Supplies	52	1,437		
Overhead & Profit	216			15.00 %
Partial Total		1,653		

f m t f t n = Foreman (MASON) \$ 1001.08 / MD
 TENDER FOREMAN (LABORER) \$ 698.82 / MD
 TENDER (LABORER) \$ 656.94 / MD

Alex Galanos

Subject: RE: BROOKLINE_ Stair Treads IMPORTANT/RFI 157R

From: Alex Galanos

Sent: Thursday, January 26, 2023 1:52 PM

To: Jim Schmidlein <jims@apsboston.com>

Cc: Jim Lambrianidis <jlambrianidis@lambrian.com>; Josh@lemonbrooke.com

Subject: RE: BROOKLINE_ Stair Treads IMPORTANT/RFI 157R

Jim S.,

I spoke with the Landscape Architect and he is authorizing the ¾" holes every 24" o.c. (not 36"), filled with crush stone.

CC'd: Josh Burgel – Lemon Brooke

Thank you,

ALEX GALANOS

Project Manager / Estimator

Lambrian Construction Corp.

420 Turnpike Street

Canton, MA 02021

T. 781-461-1100

F. 781-461-9885



From: Jim Schmidlein <jims@apsboston.com>

Sent: Thursday, January 26, 2023 1:40 PM

To: Alex Galanos <agalanos@lambrian.com>

Subject: RE: BROOKLINE_ Stair Treads IMPORTANT/RFI 157R

Alex,

I am attaching our pricing sheet for the extra work in this RFI.

We were going to complete the brick at the stage tomorrow. Can we get a quick review of this?

One big qualification: We recommend drilling the weep holes at the stage with the ¾" bit we have on site.

Please let me know if that is acceptable and if this price is approved.

Formal letter will follow.

Thanks.

Jim Schmidlein

Architectural Paving & Stone, Inc.

402 Libbey Parkway

Weymouth, MA 02189

781-337-2780

781-331-8784(fax)

jims@apsboston.com

www.apsboston.com



Lambrian Construction Corp.
420 Turnpike Street
Canton, Massachusetts 02021
P: (781) 461-1100
F: 781 461-9885

Project: 22-009 BROOKLINE High School Expansion -
3rd Floor Renovation & Quad Repairs
115 Greenough Street
BROOKLINE, Massachusetts 02445

RFI #157R: STAGE WEEP HOLES - Revised

Status	Open		
To	Submittals Admin WRA (William Raw Associates, Architects Inc.)	From	James Cusolito (Lambrian Construction Corp.) 420 Turnpike Street Canton, Massachusetts 02021
Date Initiated	Jan 6, 2023	Due Date	Jan 9, 2023
Location		Project Stage	
Cost Impact		Schedule Impact	
Spec Section		Cost Code	
Drawing Number		Reference	
Linked Drawings			
Received From	James Cusolito (Lambrian Construction Corp.)		
Copies To	Chris Boran (Landscape Architect - Lemon Brooke), Josh Burgel (Landscape Architect - Lemon Brooke), James Cusolito (Lambrian Construction Corp.), Colleen DeMatta (William Raw Associates, Architects Inc.), Alexandre Galanos (Lambrian Construction Corp.), Tony Guigli (TOWN OF BROOKLINE), Andrew Jonic (William Raw Associates, Architects Inc.), James Lambrianidis (Lambrian Construction Corp.), Ian Parks (Hill International, Inc.), Andy Vo (Hill International, Inc.), Martin Warrington (Hill International, Inc.)		

Activity

Question

Question from James Cusolito Lambrian Construction Corp. on Friday, Jan 6, 2023 at 07:54 AM EST

1/6/23

The landscape architect has requested additional weep holes in the stage, near the top of the stairs. Could you provide a size, quantity and location?

1/9/23

The Paver/Granite treads installer informed us that weeps may be required @ the bottom stair treads also. Please advise all the above.

Awaiting an Official Response

STAGE WEEPS: Please provide 2" diameter vertical weeps 6" behind (west) of back of granite tread. Space weeps 36" O.C. approx. Detail to match project brick on slab weep detail (4/L400). **GRANITE TREADS:** Provide preformed weeps at the bottom of each staggered tread joint. Preformed weep shall be Quadro-Vent, color gray, or approved equal.

