

CHANGE ORDER

- | | | |
|--|-------------------------------------|---|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech | <input type="checkbox"/> Acoustics |
| <input checked="" type="checkbox"/> O.P.M | <input type="checkbox"/> Structural | <input type="checkbox"/> Other |
| <input type="checkbox"/> CX Agent | <input type="checkbox"/> MEP-FP | <input type="checkbox"/> Other |



Project Name: **Haverhill Consentino Middle School** CO No.

07

Architect's Project No. **21-0818**

Owner: **City of Haverhill**
4 Summer Street
Haverhill, MA 01830

Architect: **DORE + WHITTIER**
260 Merrimac St, Bldg 7,
Newburyport, MA 01950

To: **Brait Builders Corporation**
57 Rockwood Road
Marshfield, MA 02050

Issue Date **2/5/2025**
Contract Date: **4/1/2024**

Attention: **TJ Dahill**

See attached list of 8 item(s) for a total of**\$55,398.36**

Not valid until signed by both the Owner and Architect.

Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time.

The original Contract Sum was**\$113,750,000.00**

Net change by previously authorized Change Orders**\$80,173.56**

The Contract Sum prior to this Change Order was**\$113,830,173.56**

The Contract Sum will be **INCREASED** by this Change Order**\$55,398.36**

The new Contract Sum including this Change Order will be.....**\$113,885,571.92**

The Contract Time will be changed by**(0) days**

The Date of Substantial Completion as of the date of this Change Order therefore is**Friday, April 30, 2027**

AUTHORIZED:

ARCHITECT:

DORE + WHITTIER
260 Merrimac St, Bldg 7, Newburyport,
MA 01950

OWNER:

Mayor Melinda E Barrett
4 Summer St Suite 100
Haverhill, MA 01830

CONTRACTOR:

Brait Builders Corporation
57 Rockwood Road
Marshfield, MA 02050

BY:

Date: **Donald M Walter**
Digitally signed by Donald M Walter
DN: c=US,
E=dw@coreandwhittier.com,
O="Dore + Whittier", CN=Donald M Walter
Date: 2025.02.11 19:00:29 -0500

BY:

Date: _____

Name: **TJ Dahill**

Title: **Project Manager**

Date: **February 13, 2025**

Certification of **Completion** under M.G.L. c44, s31C:

Adequate funding in an amount sufficient to cover the total cost of this Change Order is available

CCD / PR / PCO #	Description	Amount
PCO 035 R1	Area B Pipe Risers	0.00
PCO 046	Classroom Indicator on Lockset	\$ 7,630.88
PCO 047 R2	Area A-B Ceiling Coordination L1-3	\$ 27,885.63
PCO 050	Fire Alarm Master Box	\$ 14,205.90
PCO 054	Work Associated with Existing School Site Lighting	\$ 4,113.79
PCO 058	Bluetooth Flush Valves	\$ 0.00
PCO 059	Panic Button (relocation)	\$ 0.00
PCO 063	Beam Penetrations per RFI 121	\$ 1,562.16
Total		\$55,398.36

Copies of supporting documentation for each item listed above is attached following.

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.

Architect's Project No. **21-0818**



Subject: **Area B Pipe Risers**

PCO Issue Date: **2024.11.19**
PCO Reviewed: **2025.01.15**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design	X	Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO and finds the sum to be fair and reasonable.
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
X			HVAC:	GGD	No additional comments
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: C=US,
E=mrogers@doreandwhittier.com,
CN=Michele Barbaro-Rogers
Reason: I have reviewed this
document
Date: 2025.01.15 14:53:36-05'00'

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield , MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-035R1

TITLE: PR-14R1 RFI 058-093 Area B Pipe
Risers
PROJECT: Dr. Albert B. Consentino Middle
School
TO: City of Haverhill
685 Washington Street
Haverhill, MA

DATE: 11/19/2024

JOB: CSM-2024

CONTRACT NO:

DESCRIPTION OF CHANGE

PR-14R1 results in a reduction of piping in the field, with some piping increasing in size. Overall installation should be slightly quicker. However there was a relatively significant effort in coordination including several redraws and drafting time. Propose to offset coordination effort with field adjustments - cost neutral change

Costs associated with the attached for PR-14R1 RFI 058-093 Area B Pipe Risers.

Ite m	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	Brait - OH&P - 5%	0	%			\$0.00	
2	Brait - Bond - 2%	0	%			\$0.00	

Lump Sum: \$0.00

Total: \$0.00

Dore & Whittier

By: _____
City of Haverhill

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: _____
T.J. Dahill

Date: _____

Owners Project Manager

By: _____

Date: 1-29-2025

PROPOSAL REQUEST

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech | <input type="checkbox"/> Acoustics |
| <input checked="" type="checkbox"/> O.P.M | <input type="checkbox"/> Structural | <input checked="" type="checkbox"/> Security |
| <input checked="" type="checkbox"/> CX Agent | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other |



Project Name:	Haverhill Consentino Middle School	PR No.	014R1
Architect's Project No.	21-0818		
Owner:	City of Haverhill 4 Summer Street Haverhill, MA 01830	Architect:	DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950
To:	Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050	Contract Date	4/1/2024
		Issue Date:	8/13/2024
Attention:	TJ Dahill	Subject:	RFI 058 Area B Pipe Risers / RFI 093

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

To coordinate the contract documents with RFI 058 and follow up RFI 093, make the following revisions:

At Sheet M2.21, HVAC – Second Floor plan – Area A / B Piping, M2.31, HVAC – Third Floor Plan – Area A / B Piping and M2.41, HVAC – Fourth Floor Plan – Area A / B Piping, revise piping as shown on the attached sheets.

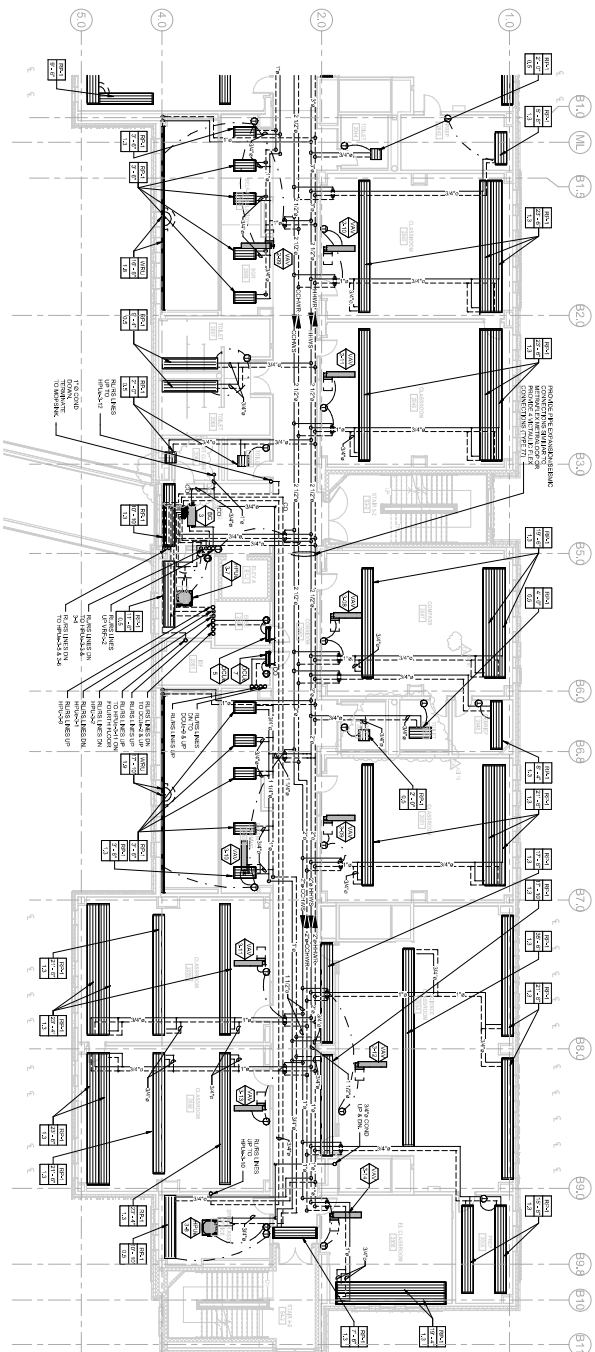
Refer to attached updated drawings with the relocation of the CCHW piping as requested per RFI 93. The attached drawings previously provided HHW and CHW in one chase area, and the relocated CCHW in the main shaft per GMC's proposed solution within their RFI #093.

M2.21, M2.31, M2.41

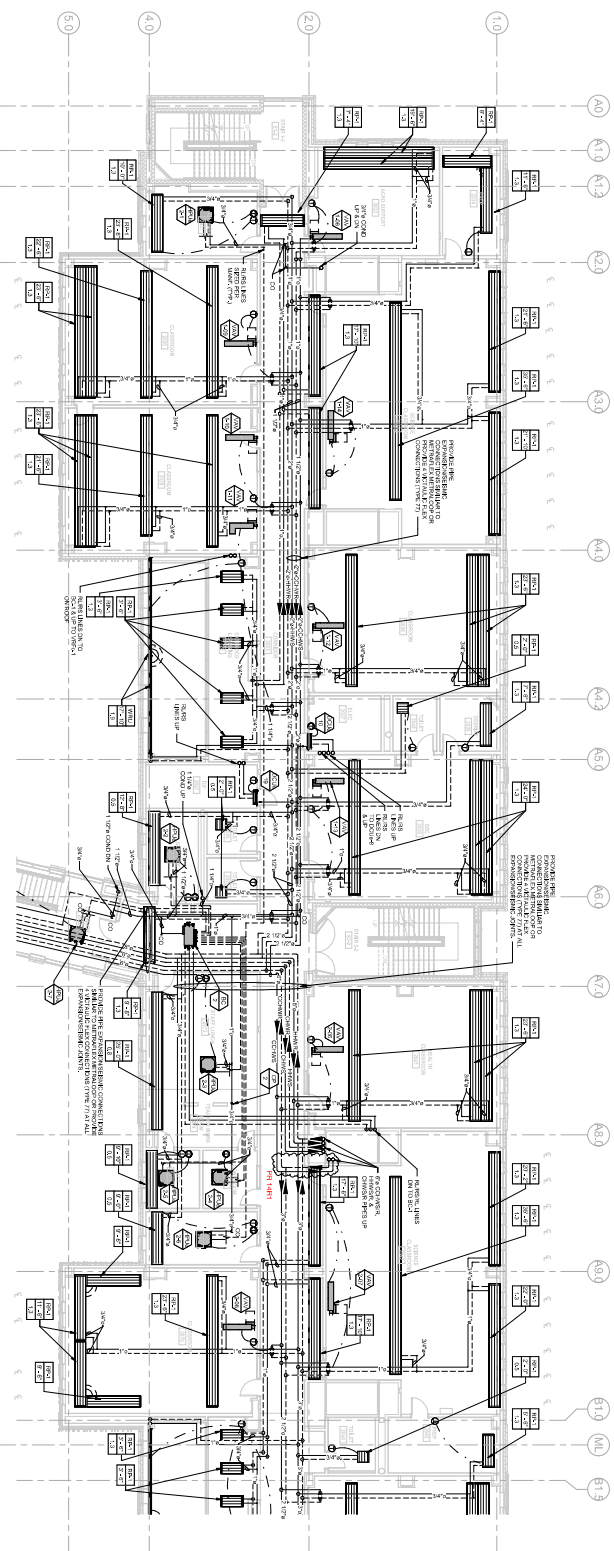
Issued by

DORE + WHITTIER
Tara King

Copy: File, GGD, CX



② SECOND FLOOR PLAN - AREA A - PIPING



① SECOND FLOOR PLAN - AREA B - PIPING



GCD CONSULTING ENGINEERS, INC.
300 WASHINGTON STREET, 2ND FLOOR
HAVERHILL, MA 01830
P: (978) 382-2000
F: (978) 382-2001
WWW.GCD-MA.COM

CONSISTENT MIDDLE
SCHOOL

300 WASHINGTON STREET
HAVERHILL, MA

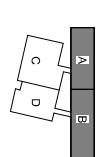
PROJECT NUMBER
21-0818

SCALE AND SPACING

NO.	DATE	REVISION
1	04.28.2024	ISSUED FOR PERMIT
2	04.28.2024	ISSUED FOR PERMIT
3	04.28.2024	ISSUED FOR PERMIT
4	04.28.2024	ISSUED FOR PERMIT
5	04.28.2024	ISSUED FOR PERMIT
6	04.28.2024	ISSUED FOR PERMIT
7	04.28.2024	ISSUED FOR PERMIT
8	04.28.2024	ISSUED FOR PERMIT
9	04.28.2024	ISSUED FOR PERMIT
10	04.28.2024	ISSUED FOR PERMIT
11	04.28.2024	ISSUED FOR PERMIT
12	04.28.2024	ISSUED FOR PERMIT
13	04.28.2024	ISSUED FOR PERMIT
14	04.28.2024	ISSUED FOR PERMIT
15	04.28.2024	ISSUED FOR PERMIT
16	04.28.2024	ISSUED FOR PERMIT
17	04.28.2024	ISSUED FOR PERMIT
18	04.28.2024	ISSUED FOR PERMIT
19	04.28.2024	ISSUED FOR PERMIT
20	04.28.2024	ISSUED FOR PERMIT
21	04.28.2024	ISSUED FOR PERMIT
22	04.28.2024	ISSUED FOR PERMIT
23	04.28.2024	ISSUED FOR PERMIT
24	04.28.2024	ISSUED FOR PERMIT
25	04.28.2024	ISSUED FOR PERMIT
26	04.28.2024	ISSUED FOR PERMIT
27	04.28.2024	ISSUED FOR PERMIT

CONSISTENT MIDDLE
SCHOOL

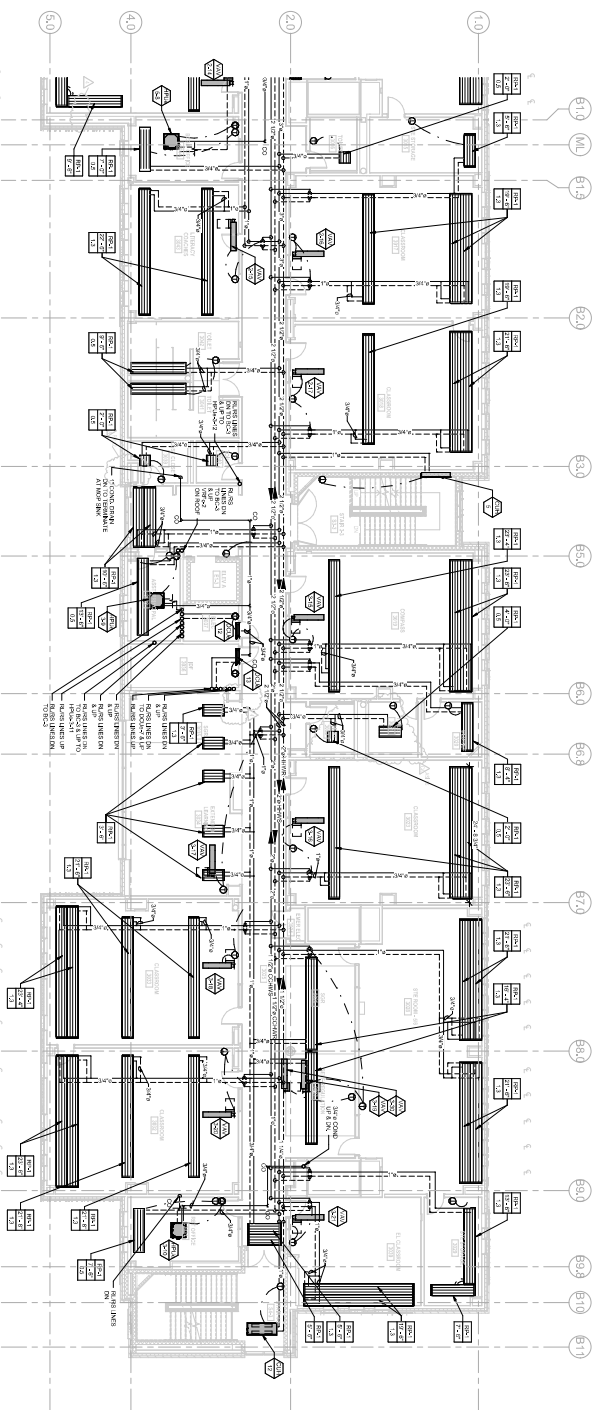
300 WASHINGTON STREET
HAVERHILL, MA



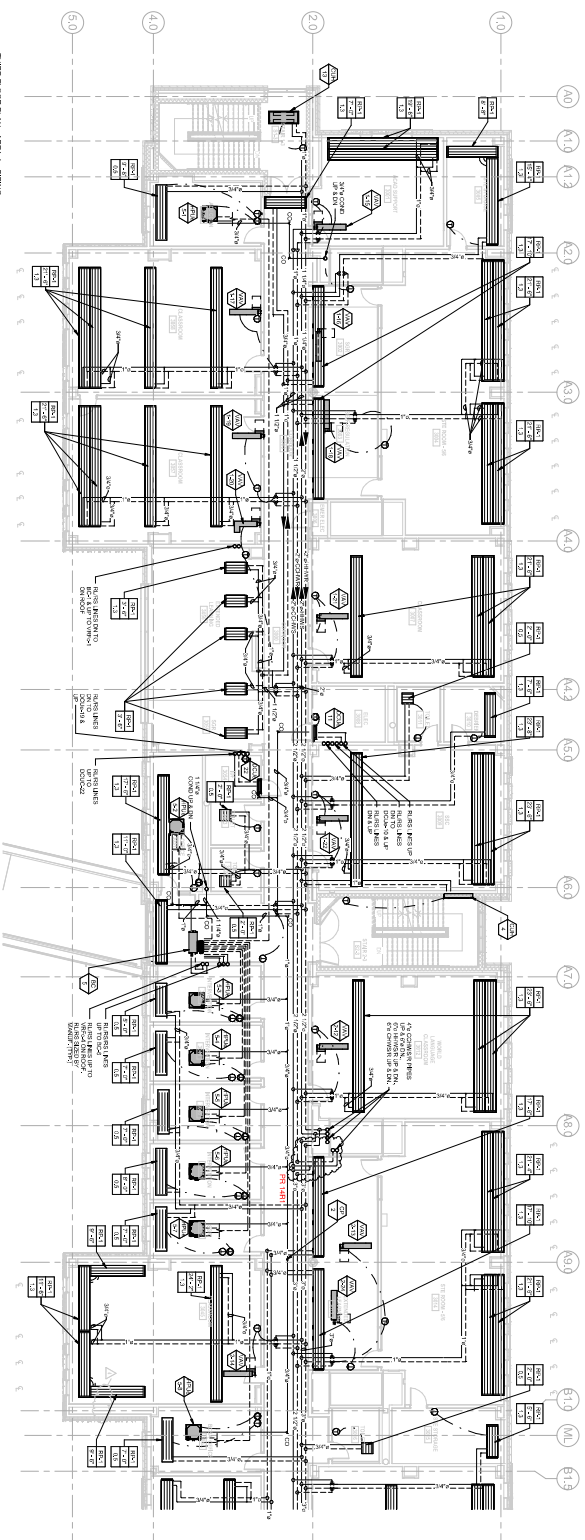
PROJECT NUMBER
21-0818

CONSISTENT MIDDLE
SCHOOL

300 WASHINGTON STREET
HAVERHILL, MA



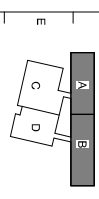
③ THIRD FLOOR PLAN AREA A, PIPING



③ THIRD FLOOR PLAN AREA A/B, PIPING



NO.	DATE	DESCRIPTION
1	04/28/2021	ISSUED FOR PERMIT
2	04/28/2021	ISSUED FOR PERMIT
3	04/28/2021	ISSUED FOR PERMIT
4	04/28/2021	ISSUED FOR PERMIT
5	04/28/2021	ISSUED FOR PERMIT
6	04/28/2021	ISSUED FOR PERMIT
7	04/28/2021	ISSUED FOR PERMIT
8	04/28/2021	ISSUED FOR PERMIT
9	04/28/2021	ISSUED FOR PERMIT
10	04/28/2021	ISSUED FOR PERMIT
11	04/28/2021	ISSUED FOR PERMIT
12	04/28/2021	ISSUED FOR PERMIT
13	04/28/2021	ISSUED FOR PERMIT
14	04/28/2021	ISSUED FOR PERMIT
15	04/28/2021	ISSUED FOR PERMIT
16	04/28/2021	ISSUED FOR PERMIT
17	04/28/2021	ISSUED FOR PERMIT
18	04/28/2021	ISSUED FOR PERMIT
19	04/28/2021	ISSUED FOR PERMIT
20	04/28/2021	ISSUED FOR PERMIT
21	04/28/2021	ISSUED FOR PERMIT
22	04/28/2021	ISSUED FOR PERMIT
23	04/28/2021	ISSUED FOR PERMIT
24	04/28/2021	ISSUED FOR PERMIT
25	04/28/2021	ISSUED FOR PERMIT
26	04/28/2021	ISSUED FOR PERMIT
27	04/28/2021	ISSUED FOR PERMIT



PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

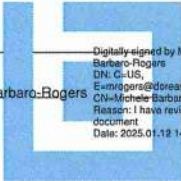
Subject: **Classroom Indicator on Lockset** PCO Issue Date: **2024.11.05**
PCO Reviewed: **2025.01.12**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design	X	Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO and recommends approval
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		


Digitally signed by Michele Barbaro-Rogers
DN: C=US,
E=mrogers@doreandwhittier.com,
CN=Michele Barbaro-Rogers
Reason: I have reviewed this document
Date: 2025.01.12 14:32:21 -05'00'
Michele Barbaro-Rogers

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield, MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-046

TITLE: PR-34 Classroom Indicator On
Lockset
PROJECT: Dr. Albert B. Consentino Middle
School
TO: City of Haverhill
685 Washington Street
Haverhill, MA

DATE: 11/05/2024

JOB: CSM-2024

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for PR-34 Classroom Indicator On Lockset.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	Kelley Bros CP#7	1	LS	\$7,125.00		\$0.00	\$7,125.00
2	Brait - OH&P - 5%	0	%	\$7,125.00		\$0.00	\$356.25
3	Brait - Bond - 2%	0	%	\$7,481.25		\$0.00	\$149.63

Lump Sum: \$7,630.88

Total: \$7,630.88

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: T.J. Dahill

T.J. Dahill

Date: 11-05-24

Owners Project Manager

By: Angela Campbell

Date: 1-29-2025



Change Proposal

Date:	10/25/2024
Kelley Job #:	17-24-103TO
Contractor's Job #:	

Project:	Consentino Middle School
	685 Washington Street
	Haverhill, MA 01830

Change Proposal #	7
Contractor Ref #	PR No. 34

Contractor:	Brait Builders Corp.
	57 Rockwood Street Suite 3
	Marshfield, MA 02050
Attn:	TJ Dahill
Fax:	

KELLEY BROS WILL NOT PROCEED WITH THE ORDERING OF ANY MATERIAL UNTIL WE HAVE A SIGNED APPROVAL.

We propose to furnish the following:

At hardware Sets 45, 45.1, 46 & 46.1 for classrooms, at lockset indicator (8238), add single inside indicators only. Code V01 Color to be green/red. Inside wording to read Unlocked/Locked.

Standard exclusion and clarifications from our base bid apply to this proposal

Prepared By: Thomas O'Toole	Material	\$7,125.00
	Tax:	\$0.00
	Total	\$7,125.00

Approval:	Date:
-----------	-------

The changes shown above are acceptable. All work will be done under the same terms and conditions as the base contract.

PROPOSAL REQUEST

- | | | |
|--|-------------------------------------|---|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech | <input type="checkbox"/> Acoustics |
| <input checked="" type="checkbox"/> O.P.M | <input type="checkbox"/> Structural | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> CX Agent | <input type="checkbox"/> MEP-FP | <input type="checkbox"/> Other |



Project Name:	Haverhill Consentino Middle School	PR No.	34
Architect's Project No.	21-0818		
Owner:	City of Haverhill 4 Summer Street Haverhill, MA 01830	Architect:	DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950
To:	Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050	Contract Date	4/1/2024
		Issue Date:	10/24/2024
Attention:	TJ Dahill	Subject:	Classroom Indicator on Lockset

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

At Hardware Sets 45, 45.1, 46, and 46.1 for classrooms, at lockset indicator (8238), add single inside indicators only, code V01. Color to be green/red. Inside Wording to read Unlocked/Locked.

Issued by

DORE + WHITTIER

Tara King

Copy: File

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.

Architect's Project No. **21-0818**

047
R2



Subject: **Area A-B Ceiling Coordination L1-3** PCO Issue Date: **2024.01.03**
PCO Reviewed: **2025.01.03**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design	X	Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO finds the adjusted fees to be fair and reasonable
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
X			HVAC:	GGD	Previous notes have been responded to
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: cn=US,
e=mrogers@doreandwhittier.com,
ou=Michele Barbaro-Rogers
Reason: I have reviewed this
document
Date: 2025.01.14 11:16:37-05'00'

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield, MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-047R2

TITLE: PR-33R1 Area A-B Ceiling
Coordination L1-3
PROJECT: Dr. Albert B. Consentino Middle
School
TO: City of Haverhill
685 Washington Street
Haverhill, MA

DATE: 01/03/2025

JOB: CSM-2024

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for PR-33R1 Area A-B Ceiling Coordination L1-3

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	GMC Proposal	1	LS	\$26,037.00		\$0.00	\$26,037.00
2	Brait - OH&P - 5%	0	%	\$26,037.00		\$0.00	\$1,301.85
3	Brait - Bond - 2%	0	%	\$27,338.85		\$0.00	\$546.78

Lump Sum: \$27,885.63

Total: \$27,885.63

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By:  _____

Date: 2/25/25

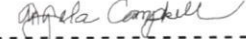
Brait Builders

By:  _____

T.J. Dahill

Date: 1-3-25

Owners Project Manager

By:  _____

Date: 1-29-2025

GENERAL MECHANICAL CONTRACTORS, INC.

Consentino Middle School - PR-33R1

12-9-2024 (with material miscalculation rectified)

Reason For Change: Attached are the additional HVAC costs associated with PR-33-R1. Please see the following breakdown. Pricing is valid for 30 days. All work to be completed on normal working hours.

MATERIAL COSTS

Additional Materials	Cost per Unit	Total
Lot of ductwork per original design		\$ (2,141.00)
Lot of ductwork per PR-33R1		\$ 9,153.00
Net changes to Displacement Diffusers		\$ (220.00)
Total Additional Material Costs		\$ 6,792.00

LABOR COSTS

Additional Man Hours	Wage	Total
-66 hours to install ductwork per original design	\$ 122.00	\$ (8,052.00)
174 hours to install ductwork per original design	\$ 122.00	\$ 21,228.00
16 CAD hours to redraw	\$ 150.00	\$ 2,400.00
Total Additional Labor Costs		\$ 15,576.00

SUB-TRADE CONTRACTOR COSTS

Sub-Trade Contractor	Cost
Insulation	\$ 3,557.00

Total Sub-Trade Contractor Costs	\$ 3,557.00
---	--------------------

Trade Contractor Overhead and Profit

Total Trade Contractor Costs w/ OH & P =	\$ 25,925.00	\$ 25,925.00
Bond Cost (.432%)	\$ 112.00	
Total Cost	\$ 26,037.00	

Recap Report

Printed: 11/25/2024 10:41:03 AM

Full Recaps

General Mechanical Contractors

Project Name: (HaverConsen) Haverhill Consentino Middle Schoo

Bid Date: 3/12/2024

Base Bid/Alternate: Base Bid

Scopes included: Drawing: 11.25.24 PR-33R1 JD-76, 11.25.24 PR-33R1 JD-77, 11.25.24 PR-33R1 JD-78, 11.25.24 PR-33R1 JD-79
System: <All>
Spec: <All>
Floor: <All>
Zone: <All>
SysSymbol: <All>

REDESIGN DUCTWORK TAKEOFF

Project Calculation Log

Calculations date: 11/25/2024 10:36:53 AM
Calculations were run with AutoBid version: 2021.1.0
Labor Book: By Pound (& Piece)
Wage Table: QP2
Non-GTO: adjusting digitized duct for fittings; NOT adjusting non-digitized duct for fittings
Rect Duct: NOT dropping short pieces; NOT converting short pieces to full
Rnd Duct: NOT dropping short pieces; NOT converting short pieces to full
Oval Duct: NOT dropping short pieces; NOT converting short pieces to full
NOT calculating detailing
NOT calculating pressure testing
Using insulation
Looking up tap material thickness separate from body/reducer
TakeOff lines: 8358 - Items processed: 7923
Errors: 0, Warnings: 0, Hints: 5

Name:
Full Recaps

Recap Report
Full Recaps
Project Grand Totals

11/25/2024 10:41:03 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Ductwork	1,621	1,761	\$4,878	57	57	151	151
Library Items				0		23	23
Grand Total	1,621	1,761	\$4,878*	57	57	174	174

* Excludes Quotes

Recap Report
Full Recaps
Ductwork Totals

11/25/2024 10:41:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Material							
Galvanized	1,621	1,761	\$4,878	57	57	151	151
Total	1,621	1,761	\$4,878	57	57	151	151

Recap Report Full Recaps Ductwork (Material Totals)

11/25/2024 10:41:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Fabricated							
Rectangular	1,141	1,280	\$2,629	56	56	111	111
4" Galv	1,141	1,280	\$2,629	56	56	111	111
Round	50	51	\$123			11	11
4" Galv	50	51	\$123	0		11	11
Purchased							
Round	430	430	\$2,126			29	29
4" Galv	430	430	\$2,126	0		29	29
Fabricated	1,192	1,331	\$2,752	57	57	122	122
Purchased	430	430	\$2,126			29	29
Total	1,621	1,761	\$4,878	57	57	151	151

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:40:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material										Labor			
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Area w/ wst	Avg. wt/each	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Full Length	24	16%	112	345	376	16.60	398	434		\$652	3	3	16	16
Short Pieces	48	33%	60	217	237	5.23	251	274		\$411	3	3	10	10
Fittings	74	51%		342	412	5.39	399	479		\$719	48	48	65	65
Duct and Fittings	146		172	905	1,025		1,049	1,188		1,781	54	54	91	91
Connectors and their Reinforcing														
Connectors	480		320							\$455	0		0	
Connectors and their Reinforcing	480		320							455				
Hangers														
Lower/Vertical Support	48						93	93		\$265	0		21	21
Upper Support	48									\$23	0		0	
Hangers							93	93		289			21	21
Sealer, Flex Connectors and Turning Vanes														
Sealer			256							\$23	0		0	
Turning Vanes										\$81	2	2	0	
Sealer, Flex Connectors and Turning Vanes			256							104	2	2		
Total							1,141	1,280		\$2,629	56	56	111	111

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:40:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material										Labor			
	Quantity	Waste %	Length (ft)	Area (sq ft)	Area w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
4" WG S&D/TDF														
24 ga														
Full Length	24.00	9%	112.00	345.00	376.05	1.16	398.48	434.34	\$1.500	\$651.50	3.16	3.16	15.68	15.68
Short Pieces	48.00	9%	59.63	217.42	236.99	1.16	251.12	273.73	\$1.500	\$410.59	2.77	2.77	9.88	9.88
Fittings	72.00	20%		328.85	394.98	1.16	379.82	456.20	\$1.500	\$684.30	42.64	42.64	57.46	57.46
22 ga														
Fittings	2.00	22%		13.58	16.56	1.41	19.09	23.29	\$1.500	\$34.93	5.44	5.44	7.65	7.65
Full Length	24		112	345	376		398	434		\$652	3	3	16	16
Short Pieces	48		60	217	237		251	274		\$411	3	3	10	10
Fittings	74			342	412		399	479		\$719	48	48	65	65
Total	146		172	905	1,025		1,049	1,188		\$1,781	54	54	91	91

Recap Report Full Recaps Ductwork (Section Details)

11/25/2024 10:40:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material									Labor			
Connectors and their Reinforcing	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Connectors													
Galvi TDF	480.00		320.00						\$455.31	0.00		0.00	
Duct Wrap: Duct Wrap		10%	330.00	363.00				\$0.090	\$32.67				
Galv TDF Cleats: 6	480.00							\$0.170	\$81.60				
Galv TDF Corners: Galv TDC Corner	960.00							\$0.230	\$220.80				
TDC Gasket: DM Sticky Butyl		10%	330.00	363.00				\$0.080	\$29.04				
Zinc Chromate Nuts: 3/8	480.00							\$0.130	\$62.40				
Zinc Plated Bolts: 3/8 x 3/4	480.00							\$0.060	\$28.80				
Total									\$455				

Recap Report Full Recaps Ductwork (Section Details)

11/25/2024 10:40:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material								Labor				
	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Hangers													
Lower/Vertical Support													
Galv1x22ga Strap	48.00					92.79	92.79		\$265.39	0.39	0.39	20.52	20.52
Galvanized Strap: 1 x 22ga	96.00		792.00	792.00	0.12	92.79	92.79	\$0.176	\$139.15	0.39	0.39		
Unistrut: 1 x 5/8			48.00	48.00				\$1.850	\$88.80				
Zinc Chromate Nuts: 3/8	288.00							\$0.130	\$37.44				
Upper Support													
Strap Attachment (I-Beam)	48.00								\$23.28	0.00		0.00	
I-Beam Clamp: 3/8	48.00							\$0.485	\$23.28				
Lower/Vertical Support	48					93	93		\$265			21	21
Upper Support	48								\$23				
Total						93	93		\$289			21	21

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:40:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material									Labor			
Sealer, Flex Connectors and Turning Vanes	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Sealer													
Transverse-WB (Transverse)			256.00						\$22.73	0.00		0.00	
Duct Sealer-WB: Gallon	1.28		256.00	256.00				\$17.760	\$22.73				
Turning Vanes													
Galv 4" Dbl Vane									\$81.03	2.05	2.05	0.00	
Rail - Galv: 4" Double	96.00	10%	45.25	49.78				\$0.790	\$39.32	0.59	0.59		
Vane - Galv: 4" Double	48.00	10%	48.00	52.80				\$0.790	\$41.71	1.46	1.46		
Sealer	256								\$23				
Turning Vanes									\$81	2	2		
Total	256								\$104	2	2		

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:40:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School

Galvanized (Fabricated) Round - 4" Galv

Description	Material										Labor			
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Area w/ wst	Avg. wt/each	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Coupling-Male	11	100%		14	15	1.23	14	14		\$21	0		0	
Duct and Fittings	11			14	15		14	14		21				
Connectors and their Reinforcing														
Connectors	11									\$2	0		0	
Connectors and their Reinforcing	11									2				
Hangers														
Lower/Vertical Support	50						37	37		\$59	0		11	11
Upper Support	50									\$24	0		0	
Hangers							37	37		83			11	11
Sealer, Flex Connectors and Turning Vanes														
Sealer			179							\$16	0		0	
Sealer, Flex Connectors and Turning Vanes			179							16				
Total							50	51		\$123			11	11

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:40:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description	Material									Labor				
	Quantity	Waste %	Length (ft)	Area (sq ft)	Area w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Galv LP Purchased														
Fittings														
Coupling-Male														
26 ga														
8	6.00	5%		6.28	6.60	0.91	5.69	5.98	\$1.500	\$8.97	0.00		0.00	
12	4.00	5%		6.28	6.60	0.91	5.69	5.98	\$1.500	\$8.97	0.00		0.00	
24 ga														
14	1.00	5%		1.83	1.92	1.16	2.12	2.22	\$1.500	\$3.33	0.00		0.00	
Total	11			14	15		14	14		\$21				

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:40:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description	Material									Labor			
Connectors and their Reinforcing	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Connectors													
Coupling - Male	11.00								\$2.07	0.00		0.00	
Duct Tape: 2			28.80	28.80				\$0.072	\$2.07				
Total									\$2				

Recap Report Full Recaps Ductwork (Section Details)

11/25/2024 10:40:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description		Material								Labor			
	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Hangers													
Lower/Vertical Support													
Galv1x22ga StrapRnd	50.00					36.70	36.70		\$59.04	0.15	0.15	10.69	10.69
Galvanized Strap: 1 x 22ga	50.00		313.29	313.29	0.12	36.70	36.70	\$0.176	\$55.04	0.15	0.15		
Zinc Chromate Nuts: 1/4	50.00							\$0.030	\$1.50				
ZincChromatePltdBlt: 1/4 x 3/4	50.00							\$0.050	\$2.50				
Upper Support													
Strap Attachment (I-Beam)	50.00								\$24.25	0.00		0.00	
I-Beam Clamp: 3/8	50.00							\$0.485	\$24.25				
Lower/Vertical Support	50					37	37		\$59			11	11
Upper Support	50								\$24				
Total						37	37		\$83			11	11

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:40:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description	Material									Labor			
Sealer, Flex Connectors and Turning Vanes	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Sealer													
Transverse-WB (Transverse)			179.19						\$15.91	0.00		0.00	
Duct Sealer-WB: Gallon	0.90		179.19	179.19				\$17.760	\$15.91				
Total			179						\$16				

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:41:00 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School

Galvanized (Purchased)
Round - 4" Galv

Description	Material							Labor				
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Avg. wt/each	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings												
Snap Lock	39	45%	75	172	3.99	156		\$151	0		7	7
Spiral Lock	16	19%	44	166	10.40	166		\$473	0		4	4
Elbow-45 Degree	3	3%		17	6.60	20		\$223	0		2	2
Elbow-90	14	16%		52	3.34	47		\$558	0		7	7
Reducer-Concentric	11	13%		22	2.15	24		\$391	0		7	7
Tee-Conical	3	3%		17	5.86	18		\$330	0		2	2
Duct and Fittings	86		120	446		430		2,126			29	29
Total						430		\$2,126			29	29

Recap Report

Full Recaps

Ductwork (Section Details)

11/25/2024 10:41:00 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School
Galvanized (Purchased)
Round - 4" Galv

Description	Material							Labor			
	Quantity	Length (ft)	Area (sq ft)	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings											
Galv LP Purchased											
Duct											
Snap Lock											
26 ga											
8	39.00	75.31	171.85	0.91	155.70	\$2.000	\$150.62	0.00		6.73	6.73
Spiral Lock											
26 ga											
12	9.00	28.82	101.86	0.91	92.29	\$10.100	\$291.10	0.00		2.87	2.87
24 ga											
14	7.00	15.57	64.19	1.16	74.14	\$11.680	\$181.83	0.00		1.58	1.58
Fittings											
Elbow-45 Degree											
24 ga											
14	3.00		17.15	1.16	19.81	\$74.420	\$223.26	0.00		2.03	2.03
Elbow-90											
26 ga											
8	14.00		51.61	0.91	46.76	\$39.880	\$558.32	0.00		6.93	6.93
Reducer-Concentric											
26 ga											
10, 8	3.00		4.78	0.91	4.34	\$29.030	\$87.09	0.00		1.76	1.76
12, 8	2.00		3.70	0.91	3.35	\$35.070	\$70.14	0.00		1.26	1.26
24 ga											
12, 14	2.00		4.61	1.16	5.32	\$38.910	\$77.82	0.00		1.35	1.35
14, 12	4.00		9.22	1.16	10.64	\$38.910	\$155.64	0.00		2.70	2.70
Tee-Conical											
26 ga											
12, 8	1.00		5.23	0.91	4.74	\$102.140	\$102.14	0.00		0.74	0.74
24 ga											
14, 8	2.00		11.80	1.09	12.84	\$114.030	\$228.06	0.00		1.46	1.46
Snap Lock	39	75	172		156		\$151			7	7
Spiral Lock	16	44	166		166		\$473			4	4
Elbow-45 Degree	3		17		20		\$223			2	2
Elbow-90	14		52		47		\$558			7	7
Reducer-Concentric	11		22		24		\$391			7	7
Tee-Conical	3		17		18		\$330			2	2
Total	86	120	446		430		\$2,126			29	29

Recap Report
Full Recaps
Library Totals

11/25/2024 10:41:03 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material		Labor			
	Weight (lb)	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Library						
Air Distribution Items			0		19	19
Duct Accessory Items			0		3	3
Total					23	23

Recap Report
Full Recaps
Library Items

11/25/2024 10:41:03 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material							Labor				
	Quantity	Length (ft)	Area	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs	
Air Distribution Items												
Grilles and Registers												
Grille Side Wall	24.00							0.00		19.49	19.49	
16 x 36	24.00									19.49	19.49	
Total											19	19

Recap Report
Full Recaps
Library Items

11/25/2024 10:41:03 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material							Labor				
	Quantity	Length (ft)	Area	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs	
Duct Accessory Items												
BD Dampers												
Rnd Backdraft Damp	2.00							0.00		3.39	3.39	
12	2.00									3.39	3.39	
Total											3	3

Recap Report

Printed: 11/25/2024 10:39:03 AM

Full Recaps

General Mechanical Contractors

Project Name: (HaverConsen) Haverhill Consentino Middle Schoo
Bid Date: 3/12/2024
Base Bid/Alternate: Base Bid
Scopes included: Drawing: M1.11, M1.12, M1.13, M1.21, M1.22, M1.23, M1.31, M1.41, M4.11
System: <All>
Spec: <All>
Floor: <All>
Zone: PR 33R1 Original Deduct
SysSymbol: <All>

ORIGINAL DUCTWORK TAKEOFF

Project Calculation Log

Calculations date: 11/25/2024 10:36:53 AM
Calculations were run with AutoBid version: 2021.1.0
Labor Book: By Pound (& Piece)
Wage Table: QP2
Non-GTO: adjusting digitized duct for fittings; NOT adjusting non-digitized duct for fittings
Rect Duct: NOT dropping short pieces; NOT converting short pieces to full
Rnd Duct: NOT dropping short pieces; NOT converting short pieces to full
Oval Duct: NOT dropping short pieces; NOT converting short pieces to full
NOT calculating detailing
NOT calculating pressure testing
Using insulation
Looking up tap material thickness separate from body/reducer
TakeOff lines: 8358 - Items processed: 7923
Errors: 0, Warnings: 0, Hints: 5

Name:
Full Recaps

Recap Report
Full Recaps
Project Grand Totals

11/25/2024 10:39:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Ductwork	492	496	\$1,916	3	3	38	38
Library Items				0		28	28
Grand Total	492	496	\$1,916*	3	3	66	66

* Excludes Quotes

Recap Report

Full Recaps

Ductwork Totals

11/25/2024 10:39:01 AM

Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Material							
Galvanized	492	496	\$1,916	3	3	38	38
Total	492	496	\$1,916	3	3	38	38

Recap Report
Full Recaps
Ductwork (Material Totals)

11/25/2024 10:39:01 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized

Description	Material			Labor			
	Weight (lb)	Weight w/ wst	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Fabricated							
Rectangular	26	29	\$53	3	3	5	5
4" Galv	26	29	\$53	3	3	5	5
Round	45	46	\$102			8	8
4" Galv	45	46	\$102	0		8	8
Purchased							
Round	421	421	\$1,761			25	25
4" Galv	421	421	\$1,761	0		25	25
Fabricated	71	75	\$155	3	3	13	13
Purchased	421	421	\$1,761			25	25
Total	492	496	\$1,916	3	3	38	38

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:38:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School

Galvanized (Fabricated) Rectangular - 4" Galv

Description	Material										Labor			
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Area w/ wst	Avg. wt/each	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Short Pieces	1	50%	2	11	12	15.13	15	16		\$25	0		0	
Fittings	1	50%		7	8	9.54	10	12		\$17	3	3	4	4
Duct and Fittings	2		2	18	20		25	28		42	3	3	4	4
Connectors and their Reinforcing														
Connectors	4		5							\$5	0		0	
Connectors and their Reinforcing	4		5							5				
Hangers														
Lower/Vertical Support	1						1	1		\$6	0		0	
Upper Support	1										0		0	
Hangers							1	1		6				
Sealer, Flex Connectors and Turning Vanes														
Sealer			5								0		0	
Sealer, Flex Connectors and Turning Vanes			5											
Total							26	29		\$53	3	3	5	5

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:55 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description		Material									Labor				
		Quantity	Waste %	Length (ft)	Area (sq ft)	Area w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings															
4" WG S&D/TDF															
22 ga															
Short Pieces		1.00	9%	1.87	10.76	11.73	1.41	15.13	16.49	\$1.500	\$24.73	0.13	0.13	0.49	0.49
Fittings		1.00	22%		6.79	8.28	1.41	9.54	11.64	\$1.500	\$17.47	2.72	2.72	3.83	3.83
Short Pieces		1		2	11	12		15	16		\$25				
Fittings		1			7	8		10	12		\$17	3	3	4	4
Total		2		2	18	20		25	28		\$42	3	3	4	4

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material									Labor			
Connectors and their Reinforcing	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Connectors													
Galvi TDF	4.00		4.67						\$4.51	0.00		0.00	
Duct Wrap: Duct Wrap		10%	4.75	5.23				\$0.090	\$0.47				
Galv TDF Cleats: 6	6.00							\$0.170	\$1.02				
Galv TDF Corners: Galv TDC Corner	8.00							\$0.230	\$1.84				
TDC Gasket: DM Sticky Butyl		10%	4.75	5.23				\$0.080	\$0.42				
Zinc Chromate Nuts: 3/8	4.00							\$0.130	\$0.52				
Zinc Plated Bolts: 3/8 x 3/4	4.00							\$0.060	\$0.24				
Total									\$5				

Recap Report Full Recaps Ductwork (Section Details)

11/25/2024 10:38:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description		Material								Labor			
	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Hangers													
Lower/Vertical Support													
Galv1x22ga Strap	1.00					1.00	1.00		\$5.67	0.00		0.43	0.43
Galvanized Strap: 1 x 22ga	2.00		8.50	8.50	0.12	1.00	1.00	\$0.176	\$1.49				
Unistrut: 1 x 5/8			1.83	1.83				\$1.850	\$3.39				
Zinc Chromate Nuts: 3/8	6.00							\$0.130	\$0.78				
Upper Support													
Strap Attachment (I-Beam)	1.00								\$0.48	0.00		0.00	
I-Beam Clamp: 3/8	1.00							\$0.485	\$0.48				
Summary													
Lower/Vertical Support	1					1	1		\$6				
Upper Support	1												
Total						1	1		\$6				

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:56 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Rectangular - 4" Galv

Description	Material									Labor			
Sealer, Flex Connectors and Turning Vanes	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Sealer													
Transverse-WB (Transverse)			4.67						\$0.41	0.00		0.00	
Duct Sealer-WB: Gallon			4.67	4.67				\$17.760	\$0.41				
Total			5										

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:38:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School

Galvanized (Fabricated) Round - 4" Galv

Description	Material										Labor			
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Area w/ wst	Avg. wt/each	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Coupling-Male	11	100%		14	14	1.12	12	13		\$19	0		0	
Duct and Fittings	11			14	14		12	13		19				
Connectors and their Reinforcing														
Connectors	10									\$2	0		0	
Connectors and their Reinforcing	10									2				
Hangers														
Lower/Vertical Support	39						33	33		\$52	0		8	8
Upper Support	39									\$19	0		0	
Hangers							33	33		71			8	8
Sealer, Flex Connectors and Turning Vanes														
Sealer			105							\$9	0		0	
Sealer, Flex Connectors and Turning Vanes			105							9				
Total							45	46		\$102			8	8

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description	Material										Labor			
	Quantity	Waste %	Length (ft)	Area (sq ft)	Area w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings														
Galv LP Purchased														
Fittings														
Coupling-Male														
26 ga														
8	7.00	5%		7.33	7.70	0.91	6.64	6.97	\$1.500	\$10.46	0.00		0.00	
12	4.00	5%		6.28	6.60	0.91	5.69	5.98	\$1.500	\$8.97	0.00		0.00	
Total	11			14	14		12	13		\$19				

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized (Fabricated)
Round - 4" Galv

Description	Material									Labor			
Connectors and their Reinforcing	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Connectors													
Coupling - Male	10.00								\$1.81	0.00		0.00	
Duct Tape: 2			25.13	25.13				\$0.072	\$1.81				
Total									\$2				

Recap Report Full Recaps Ductwork (Section Details)

11/25/2024 10:38:57 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Fabricated)
Round - 4" Galv

Description		Material								Labor			
	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Hangers													
Lower/Vertical Support													
Galv1x22ga StrapRnd	39.00					32.81	32.81		\$52.32	0.14	0.14	8.34	8.34
Galvanized Strap: 1 x 22ga	39.00		280.03	280.03	0.12	32.81	32.81	\$0.176	\$49.20	0.14	0.14		
Zinc Chromate Nuts: 1/4	39.00							\$0.030	\$1.17				
ZincChromatePltdBlt: 1/4 x 3/4	39.00							\$0.050	\$1.95				
Upper Support													
Strap Attachment (I-Beam)	39.00								\$18.92	0.00		0.00	
I-Beam Clamp: 3/8	39.00							\$0.485	\$18.92				
Lower/Vertical Support	39					33	33		\$52			8	8
Upper Support	39								\$19				
Total						33	33		\$71			8	8

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:58 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized (Fabricated)
Round - 4" Galv

Description	Material									Labor			
Sealer, Flex Connectors and Turning Vanes	Quantity	Waste %	Length (ft)	Length w/ wst	Weight Factor	Weight (lb)	Weight w/ wst	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Sealer													
Transverse-WB (Transverse)			104.72						\$9.30	0.00		0.00	
Duct Sealer-WB: Gallon	0.52		104.72	104.72				\$17.760	\$9.30				
Total			105						\$9				

Recap Report Full Recaps Ductwork (Section Totals)

11/25/2024 10:38:59 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle School

Galvanized (Purchased)
Round - 4" Galv

Description	Material							Labor				
	Quantity	% of Qty	Length (ft)	Area (sq ft)	Avg. wt/each	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings												
Snap Lock	38	51%	97	228	5.43	206		\$200	0		9	9
Spiral Lock	16	22%	39	145	8.90	142		\$413	0		4	4
Elbow-45 Degree	3	4%		10	3.42	10		\$128	0		2	2
Elbow-90	5	7%		22	4.05	20		\$235	0		3	3
Reducer-Concentric	7	9%		14	2.16	15		\$250	0		4	4
Tee-Conical	5	7%		27	5.41	27		\$534	0		4	4
Duct and Fittings	74		136	446		421		1,761			25	25
Total						421		\$1,761			25	25

Recap Report

Full Recaps

Ductwork (Section Details)

11/25/2024 10:38:59 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Galvanized (Purchased) Round - 4" Galv

Description	Material							Labor			
	Quantity	Length (ft)	Area (sq ft)	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct and Fittings											
Galv LP Purchased											
Duct											
Snap Lock											
26 ga											
6	1.00	0.74	1.30	0.91	1.18	\$1.550	\$1.15	0.00		0.06	0.06
8	27.00	80.77	184.30	0.91	166.98	\$2.000	\$161.54	0.00		7.22	7.22
10	10.00	15.02	42.13	0.91	38.17	\$2.510	\$37.69	0.00		1.43	1.43
Spiral Lock											
26 ga											
12	10.00	28.20	99.68	0.91	90.31	\$10.100	\$284.87	0.00		2.81	2.81
24 ga											
14	6.00	10.95	45.15	1.16	52.15	\$11.680	\$127.90	0.00		1.11	1.11
Fittings											
Elbow-45 Degree											
26 ga											
8	2.00		4.04	0.91	3.66	\$26.880	\$53.76	0.00		0.99	0.99
24 ga											
14	1.00		5.72	1.16	6.60	\$74.420	\$74.42	0.00		0.68	0.68
Elbow-90											
26 ga											
8	3.00		11.06	0.91	10.02	\$39.880	\$119.64	0.00		1.49	1.49
10	2.00		11.30	0.91	10.24	\$57.910	\$115.82	0.00		1.17	1.17
Reducer-Concentric											
26 ga											
6, 8	1.00		1.24	0.91	1.12	\$23.980	\$23.98	0.00		0.50	0.50
12, 8	2.00		3.70	0.91	3.35	\$35.070	\$70.14	0.00		1.26	1.26
24 ga											
12, 14	1.00		2.30	1.16	2.66	\$38.910	\$38.91	0.00		0.68	0.68
14, 12	3.00		6.91	1.16	7.98	\$38.910	\$116.73	0.00		2.03	2.03
Tee-Conical											
26 ga											
12, 8	3.00		15.69	0.91	14.22	\$102.140	\$306.42	0.00		2.21	2.21
24 ga											
14, 8	2.00		11.80	1.09	12.84	\$114.030	\$228.06	0.00		1.46	1.46

Recap Report
Full Recaps
Ductwork (Section Details)

11/25/2024 10:38:59 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo
Galvanized (Purchased)
Round - 4" Galv

Description	Material							Labor			
Duct and Fittings	Quantity	Length (ft)	Area (sq ft)	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Snap Lock	38	97	228		206		\$200			9	9
Spiral Lock	16	39	145		142		\$413			4	4
Elbow-45 Degree	3		10		10		\$128			2	2
Elbow-90	5		22		20		\$235			3	3
Reducer-Concentric	7		14		15		\$250			4	4
Tee-Conical	5		27		27		\$534			4	4
Total	74	136	446		421		\$1,761			25	25

Recap Report
Full Recaps
Library Totals

11/25/2024 10:39:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material		Labor			
	Weight (lb)	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Library						
Air Distribution Items			0		26	26
Duct Accessory Items			0		2	2
Total					28	28

Recap Report
Full Recaps
Library Items

11/25/2024 10:39:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material							Labor				
	Quantity	Length (ft)	Area	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs	
Air Distribution Items												
Grilles and Registers												
Grille Side Wall	24.00							0.00		26.26	26.26	
48 x 20	24.00									26.26	26.26	
Total											26	26

Recap Report
Full Recaps
Library Items

11/25/2024 10:39:02 AM
Errors: 0, Warnings: 0, Hints: 5

Haverhill Consentino Middle Schoo

Description	Material							Labor			
	Quantity	Length (ft)	Area	Weight Factor	Weight (lb)	Unit Cost	Total Cost (Material)	Shop Hours	Adjusted Shop Hrs	Field Hours	Adjusted Field Hrs
Duct Accessory Items											
BD Dampers											
Rnd Backdraft Damp	1.00							0.00		1.69	1.69
12	1.00									1.69	1.69
Total										2	2

Michael Tomasino

From: Lussier, Brian <blussier@buckleyonline.com>
Sent: Wednesday, December 4, 2024 5:31 PM
To: Michael Tomasino
Subject: RE: CMS - PR-33R1

Mike, it looks like they changed (24) DD-7 to (24) DD-5 instead

Not much of a cost difference, comes out to a \$220 credit. Let me know if you need that on a formal quote

Brian Lussier
Outside Sales Engineer

Mobile: (781) 563-4383

Buckley Associates, Inc. | 1099 Hingham Street | Suite 201 | Rockland, MA | 02370

Web: buckleyonline.com

Email: blussier@buckleyonline.com

[Register for Buckley Online Account Access](#) - Order Status Information and Online Ordering

From: Lussier, Brian
Sent: Wednesday, December 4, 2024 4:05 PM
To: Michael Tomasino <michael@generalinc.com>
Subject: RE: CMS - PR-33R1

Hi Michael, I'll get this over tonight

Brian Lussier
Outside Sales Engineer

Mobile: (781) 563-4383

Buckley Associates, Inc. | 1099 Hingham Street | Suite 201 | Rockland, MA | 02370

Web: buckleyonline.com

Email: blussier@buckleyonline.com

[Register for Buckley Online Account Access](#) - Order Status Information and Online Ordering

Owens Insulation, Inc.

157 Winona St., Peabody, Ma. 01960
978-777-8882 / fax 978-777-9056

December 9, 2024

Page 1 of 1

General Mechanical Contractors Co, Inc.
29A Sword St.
Auburn, MA. 01501

Attn. Michael Tomasino

Re. Dr Consentino MS / PR-33R1
Haverhill, MA.

We are pleased to submit the following pricing to furnish and install HVAC system insulation, associated with duct route changes in accordance with plans, specifications and as noted below:

Material	\$ 974.00
Labor	<u>2,583.00</u>
Total Add	\$ 3,557.00

Drawings: JD-76 through JD-79 dated 11/18/24.

Specification: Per Original Contract.

No shields, No fire Stopping, No system I.D.

Payment is due thirty (30) days after progress invoice date, less contract retainage.

We look forward to being of further service to you.

Respectfully Submitted

Robert G. Owens, Sales Engineer

Accepted _____
Title _____ Date _____
P O # _____

PROPOSAL REQUEST

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech | <input type="checkbox"/> Acoustics |
| <input checked="" type="checkbox"/> O.P.M | <input type="checkbox"/> Structural | <input type="checkbox"/> Other |
| <input type="checkbox"/> CX Agent | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other |



Project Name:	Haverhill Consentino Middle School	PR No.	33R1
Architect's Project No.	21-0818		
Owner:	City of Haverhill 4 Summer Street Haverhill, MA 01830	Architect:	DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950
To:	Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050	Contract Date	4/1/2024
		Issue Date:	11/22/2024
Attention:	TJ Dahill	Subject:	Level 1, 2 and 3 Area A/B Ceiling Coordination

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

*At Sheet A2.11, Level 1 Reflected Ceiling Plan – Area A and B, make the following revisions:
At A26, Area A, and N26, Area B, revise Extended learning ceilings and soffits as shown on attached sheet.
Revise corridor ceiling heights as shown on attached sheet.
Relocate radiant panel expansion joint to Area C connector entry as shown on attached sheet.*

*At Sheet A2.21, Level 2 Reflected Ceiling Plan – Area A and B, make the following revisions:
At 26, Area A, revise Extended learning ceilings and soffits as shown on attached sheet.
Revise Corridor 2023 such that ceiling height from stair 2 soffit to stair 1 is elevation 9'-6". Remove detail for metal axon trim.
Relocate radiant panel at expansion joint to Area C connector entry as shown on attached sheet.*

*At N26, Area B, revise (2) Extended learning ceilings and soffits as shown on attached sheet.
Revise Corridor 2053 such that ceiling height from stair 3 soffit to stair 4 is elevation 9'-6". Remove detail for metal axon trim.
At Toilet 2066, reduce ceiling height to 9'-4".
Outside stair 2, remove ceiling mounted displacement. Displacement to be revised to wall mounted diffuser.*

*At Sheet A2.31, Level 3 Reflected Ceiling Plan – Area A and B, make the following revisions:
Extended learning ceilings and soffits as shown on attached sheet.
Revise Corridor 3025 such that ceiling height from stair 3 soffit to stair 4 is elevation 9'-6".*

*Revise Corridor 3000 to be elevation 9'-6". Remove detail for metal axon trim.
At Toilet 3041, both make and female, reduce ceiling height to 9'-4".*

Refer to attached Equipment plans AQ1.11 and AQ1.31 for proposed wall mounted displacement cabinets in Area A/B Corridors. Make similar revisions to AQ1.21 and AQ1.41.

Per coordination call with Contractor and design team, Corridor ceiling displacement to be revised to wall mounted units. See attached sketches JD-76-JD-79 for proposed design changes to mechanical sheets M1.11, M1.21, M1.31, M1.41.

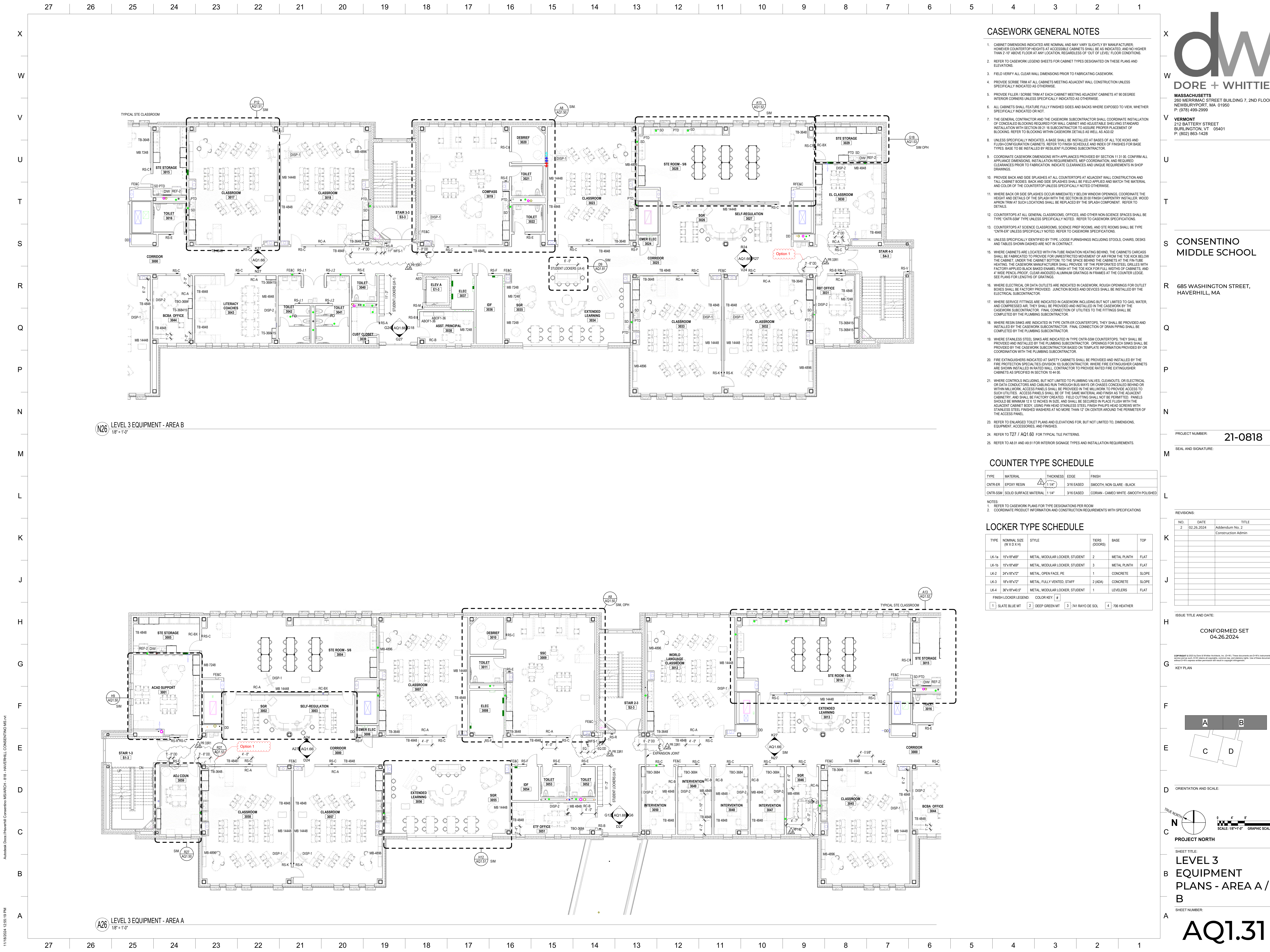
*A2.11, A2.21, A2.31, **AQ1.11, AQ1.31, JD-76, JD-77, JD-78, JD-79***

Issued by

DORE + WHITTIER

Tara King

Copy: File, GGD



CASEWORK GENERAL NOTES

- CABINET DIMENSIONS INDICATED ARE NOMINAL AND MAY VARY SLIGHTLY BY MANUFACTURER. HOWEVER COUNTERTOP HEIGHTS AT ACCESSIBLE CABINETS SHALL BE AS INDICATED, AND NO HIGHER THAN 2'-10" ABOVE FLOOR AT ANY LOCATION, REGARDLESS OF 'OUT OF LEVEL' FLOOR CONDITIONS.
- REFER TO CASEWORK LEGEND SHEETS FOR CABINET TYPES DESIGNATED ON THESE PLANS AND ELEVATIONS.
- FIELD VERIFY ALL CLEAR WALL DIMENSIONS PRIOR TO FABRICATING CASEWORK.
- PROVIDE SCRIBE TRIM AT ALL CABINETS MEETING ADJACENT WALL CONSTRUCTION UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- PROVIDE FILLER / SCRIBE TRIM AT EACH CABINET MEETING ADJACENT CABINETS AT 90 DEGREE INTERIOR CORNERS UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- ALL CABINETS SHALL FEATURE FULLY FINISHED SIDES AND BACKS WHERE EXPOSED TO VIEW, WHETHER SPECIFICALLY INDICATED OR NOT.
- THE GENERAL CONTRACTOR AND THE CASEWORK SUBCONTRACTOR SHALL COORDINATE INSTALLATION OF CONCEALED BLOCKING REQUIRED FOR WALL CABINET AND ADJUSTABLE SHELVING STANDARD INSTALLATION WITH SECTION 21-16 SUBCONTRACTOR TO ASSURE PROPER PLACEMENT OF BLOCKING. REFER TO BLOCKING WITHIN CASEWORK DETAILS AS WELL AS AGO-02.
- UNLESS SPECIFICALLY INDICATED, A BASE SHALL BE INSTALLED AT BASES OF ALL TOE KICKS AND FLUSH-CONFIGURATION CABINETS. REFER TO FINISH SCHEDULE AND INDEX OF FINISHES FOR BASE TYPES. BASES TO BE INSTALLED BY RESILIENT FLOORING SUBCONTRACTOR.
- COORDINATE CASEWORK DIMENSIONS WITH APPLIANCES PROVIDED BY SECTION 11-31-00. CONFIRM ALL APPLIANCE DIMENSIONS, INSTALLATION REQUIREMENTS, MEP COORDINATION, AND REQUIRED CLEARANCES PRIOR TO FABRICATION. INDICATE CLEARANCES AND UNIQUE REQUIREMENTS IN SHOP DRAWINGS.
- PROVIDE BACK AND SIDE SPLASHES AT ALL COUNTERTOPS AT ADJACENT WALL CONSTRUCTION AND TALL CABINET BODIES. BACK AND SIDE SPLASHES SHALL BE FIELD APPLIED AND MATCH THE MATERIAL AND COLOR OF THE COUNTERTOP UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHERE BACK OR SIDE SPLASHES OCCUR IMMEDIATELY BELOW WINDOW OPENINGS, COORDINATE THE HEIGHT AND DETAILS OF THE SPLASH WITH THE SECTION 06-20 OF FINISH CARPENTRY INSTALLER. WOOD APRON TRIM AT SUCH LOCATIONS SHALL BE REPLACED BY THE SPLASH COMPONENT. REFER TO DETAILS.
- COUNTERTOPS AT ALL GENERAL CLASSROOMS, OFFICES, AND OTHER NON-SCIENCE SPACES SHALL BE TYPE 'CNTR-SSM' TYPE UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- COUNTERTOPS AT SCIENCE CLASSROOMS, SCIENCE PREP ROOMS, AND STE ROOMS SHALL BE TYPE 'CNTR-R' UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- UNLESS SPECIFICALLY IDENTIFIED BY TYPE, LOOSE FURNISHINGS INCLUDING STOOLS, CHAIRS, DESKS AND TABLES SHOWN DASHED ARE NOT IN CONTRACT.
- WHERE CABINETS ARE LOCATED WITH IN-TUBE RADIATION HEATING BEHIND, THE CABINETS CARCASS SHALL BE FABRICATED TO PROVIDE FOR UNRESTRICTED MOVEMENT OF AIR FROM THE TOE KICK BELOW THE CABINET, UNDER THE CABINET BOTTOM, TO THE SPACE BEHIND THE CABINETS AT THE FIN-TUBE HEATING. THE CASEWORK MANUFACTURER SHALL PROVIDE 1/8" THK PERFORATED STEEL GRATES WITH FACTORY-APPLIED BLACK BAKED ENAMEL FINISH AT THE TOE KICK FOR FULL WIDTHS OF CABINETS, AND 4" WIDE 1/8" PIN-POINT, CLEAR ANODIZED ALUMINUM GRATINGS IN FRAMES AT THE COUNTER LEGS. SEE PLANS FOR LENGTHS OF GRATINGS.
- WHERE ELECTRICAL OR DATA OUTLETS ARE INDICATED IN CASEWORK, ROUGH OPENINGS FOR OUTLET BOXES SHALL BE FACTORY PROVIDED. JUNCTION BOXES AND DEVICES SHALL BE INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.
- WHERE SERVICE FITTINGS ARE INDICATED IN CASEWORK INCLUDING BUT NOT LIMITED TO GAS, WATER, AND COMPRESSED AIR, THEY SHALL BE PROVIDED AND INSTALLED IN THE CASEWORK BY THE CASEWORK SUBCONTRACTOR. FINAL CONNECTION OF UTILITIES TO THE FITTINGS SHALL BE COMPLETED BY THE PLUMBING SUBCONTRACTOR.
- WHERE RESIN SINKS ARE INDICATED IN TYPE 'CNTR-SSM' COUNTERTOPS, THEY SHALL BE PROVIDED AND INSTALLED BY THE CASEWORK SUBCONTRACTOR. FINAL CONNECTION OF DRAIN PIPING SHALL BE COMPLETED BY THE PLUMBING SUBCONTRACTOR.
- WHERE STAINLESS STEEL SINKS ARE INDICATED IN TYPE 'CNTR-SSM' COUNTERTOPS, THEY SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING SUBCONTRACTOR. OPENINGS FOR SUCH SINKS SHALL BE PROVIDED BY THE CASEWORK SUBCONTRACTOR BASED ON TEMPLATE INFORMATION PROVIDED BY OR COORDINATION WITH THE PLUMBING SUBCONTRACTOR.
- FIRE EXTINGUISHERS INDICATED AT SAFETY CABINETS SHALL BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION SPECIALTIES (DIVISION 10) SUBCONTRACTOR. WHERE FIRE EXTINGUISHER CABINETS ARE SHOWN INSTALLED IN RATED WALL, CONTRACTOR TO PROVIDE RATED FIRE EXTINGUISHER CABINETS AS SPECIFIED IN SECTION 10-44-00.
- WHERE CONTROLS INCLUDING, BUT NOT LIMITED TO PLUMBING VALVES, CLEANOUTS, OR ELECTRICAL OR DATA CONDUCTORS AND CABLES RUN THROUGH BUSWAYS OR CHASES CONCEALED BEHIND OR WITHIN MILLWORK, ACCESS PANELS SHALL BE PROVIDED IN THE MILLWORK TO PROVIDE ACCESS TO SUCH UTILITIES. ACCESS PANELS SHALL BE OF THE SAME MATERIAL AND FINISH AS THE ADJACENT CABINETRY AND SHALL BE FACTORY CREATED. FIELD CUTTING SHALL NOT BE PERMITTED. PANELS SHOULD BE MINIMUM 12 X 12 INCHES IN SIZE, AND SHALL BE SECURED IN PLACE FLUSH WITH THE ADJACENT CABINET BODY, USING PAN HEAD STAINLESS STEEL FINISH PHILIPS HEAD SCREWS WITH STAINLESS STEEL FINISHED WASHERS AT NO MORE THAN 1/2" ON CENTER AROUND THE PERIMETER OF THE ACCESS PANEL.
- REFER TO ENLARGED TOILET PLANS AND ELEVATIONS FOR, BUT NOT LIMITED TO, DIMENSIONS, EQUIPMENT, ACCESSORIES, AND FINISHES.
- REFER TO T27 / AQ1.60 FOR TYPICAL TILE PATTERNS.
- REFER TO A8.01 AND A9.51 FOR INTERIOR SIGNAGE TYPES AND INSTALLATION REQUIREMENTS.

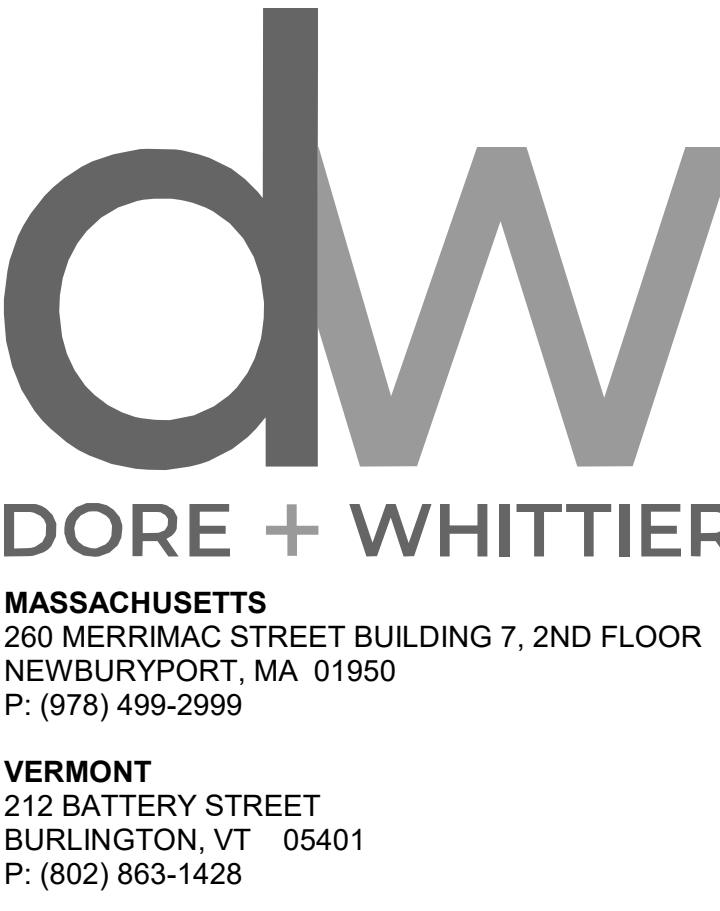
COUNTER TYPE SCHEDULE

TYPE	MATERIAL	THICKNESS	EDGE	FINISH
CNTR-R	EPOXY RESIN	1 1/4"	3/16 EASED	SMOOTH, NON GLARE - BLACK
CNTR-SSM	SOLID SURFACE MATERIAL	1 1/4"	3/16 EASED	CORIAN - CAMEO WHITE - SMOOTH POLISHED

- NOTES:
- REFER TO CASEWORK PLANS FOR TYPE DESIGNATIONS PER ROOM
 - COORDINATE PRODUCT INFORMATION AND CONSTRUCTION REQUIREMENTS WITH SPECIFICATIONS

LOCKER TYPE SCHEDULE

TYPE	NOMINAL SIZE (W X D X H)	STYLE	TIER (DOORS)	BASE	TOP
LK-1a	15'x18'x69"	METAL MODULAR LOCKER, STUDENT	2	METAL PLINTH	FLAT
LK-1b	15'x18'x69"	METAL MODULAR LOCKER, STUDENT	3	METAL PLINTH	FLAT
LK-2	24'x18'x72"	METAL OPEN FACE, PE	1	CONCRETE	SLOPE
LK-3	18'x18'x72"	METAL FULLY VENTED, STAFF	2 (ADA)	CONCRETE	SLOPE
LK-4	36'x18'x40.5"	METAL MODULAR LOCKER, STUDENT	1	LEVELERS	FLAT
FINISH LOCKER LEGEND: COLOR KEY: 1 SLATE BLUE MT 2 DEEP GREEN MT 3 741 RAYO DE SOL 4 TUE HEATHER					



CONSENTINO MIDDLE SCHOOL

685 WASHINGTON STREET, HAVERHILL, MA

PROJECT NUMBER: 21-0818

SEAL AND SIGNATURE:

REVISIONS:

NO.	DATE	TITLE
2	02.26.2024	Addendum No. 2 Construction Admin

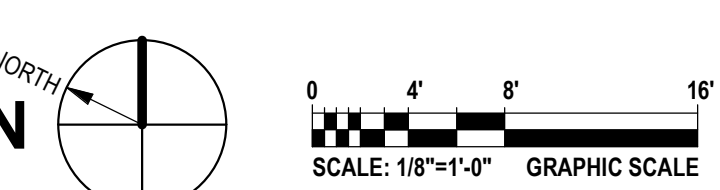
ISSUE TITLE AND DATE:

CONFORMED SET
04.26.2024

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KEY PLAN

ORIENTATION AND SCALE:



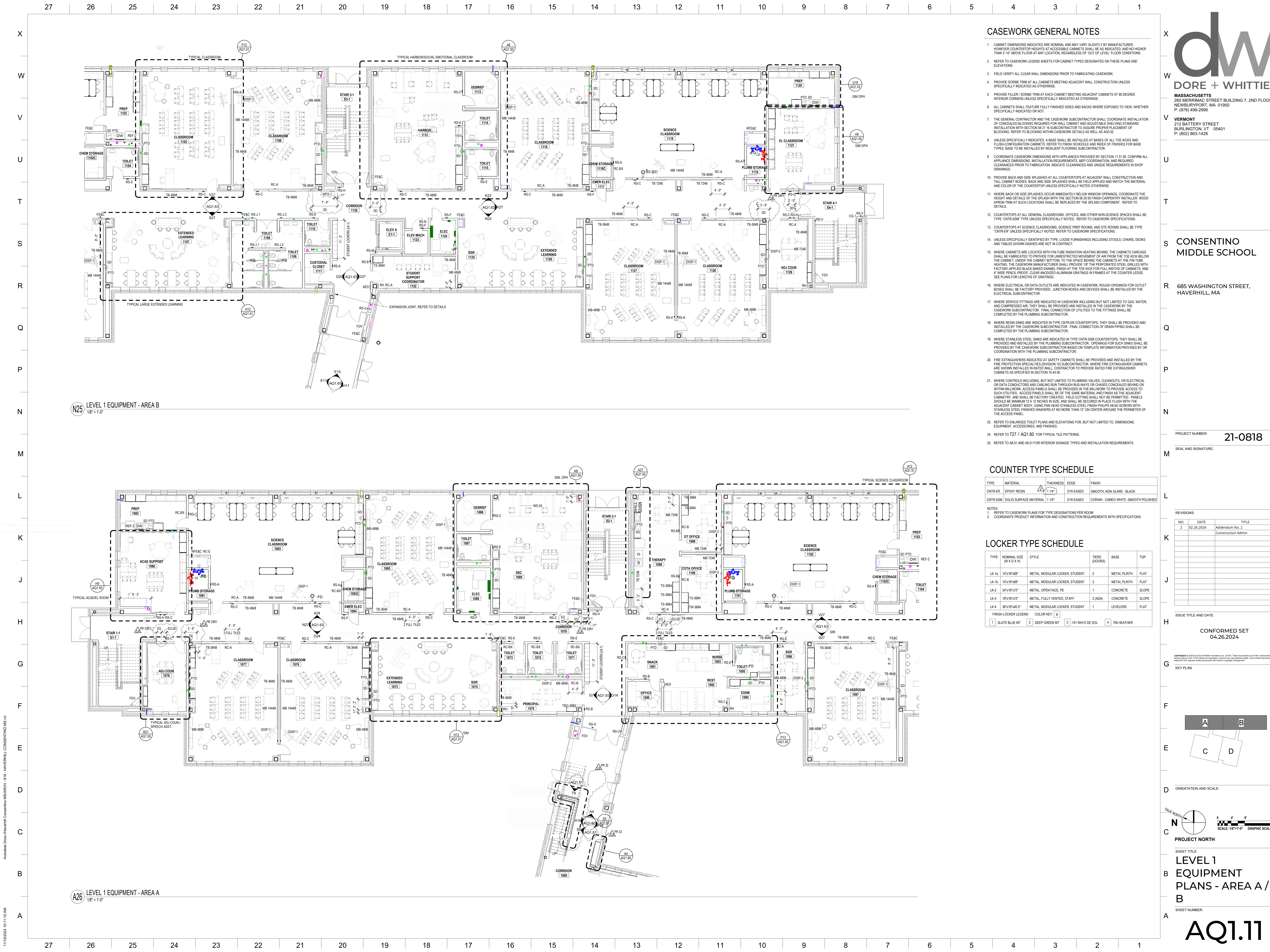
PROJECT NORTH

SHEET TITLE:

LEVEL 3
EQUIPMENT
PLANS - AREA A /
B

SHEET NUMBER:

AQ1.31



CASEWORK GENERAL NOTES

- 1. CABINET DIMENSIONS INDICATED ARE NOMINAL AND MAY VARY SLIGHTLY BY MANUFACTURER. HOWEVER COUNTERTOP HEIGHTS AT ACCESSIBLE CABINETS SHALL BE AS INDICATED, AND NO HIGHER THAN 2'-10" ABOVE FLOOR AT ANY LOCATION, REGARDLESS OF "OUT OF LEVEL" FLOOR CONDITIONS.
- 2. REFER TO CASEWORK LEGEND SHEETS FOR CABINET TYPES DESIGNATED ON THESE PLANS AND ELEVATIONS.
- 3. FIELD VERIFY ALL CLEAR WALL DIMENSIONS PRIOR TO FABRICATING CASEWORK.
- 4. PROVIDE SCRIBE TRIM AT ALL CABINETS MEETING ADJACENT WALL CONSTRUCTION UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- 5. PROVIDE FILLER / SCRIBE TRIM AT EACH CABINET MEETING ADJACENT CABINETS AT 90 DEGREE INTERIOR CORNERS UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- 6. ALL CABINETS SHALL FEATURE FULLY FINISHED SIDES AND BACKS WHERE EXPOSED TO VIEW, WHETHER SPECIFICALLY INDICATED OR NOT.
- 7. THE GENERAL CONTRACTOR AND THE CASEWORK SUBCONTRACTOR SHALL COORDINATE INSTALLATION OF CONCEALED BLOCKING REQUIRED FOR WALL CABINET AND ADJUSTABLE SHELVING STANDARD INSTALLATION WITH SECTION 05 21 45 SUBCONTRACTOR TO ASSURE PROPER PLACEMENT OF BLOCKING. REFER TO BLOCKING WITHIN CASEWORK DETAILS AS WELL AS AG02.
- 8. UNLESS SPECIFICALLY INDICATED, A BASE SHALL BE INSTALLED AT BASES OF ALL TOE KICKS AND FLUSH-CONFIGURATION CABINETS. REFER TO FINISH SCHEDULE AND INDEX OF FINISHES FOR BASE TYPES. BASES TO BE INSTALLED BY RESILIENT FLOORING SUBCONTRACTOR.
- 9. COORDINATE CASEWORK DIMENSIONS WITH APPLIANCES PROVIDED BY SECTION 11 31 00. CONFIRM ALL APPLIANCE DIMENSIONS, INSTALLATION REQUIREMENTS, MEP COORDINATION, AND REQUIRED CLEARANCES PRIOR TO FABRICATION. INDICATE CLEARANCES AND UNIQUE REQUIREMENTS IN SHOP DRAWINGS.
- 10. PROVIDE BACK AND SIDE SPLASHES AT ALL COUNTERTOPS AT ADJACENT WALL CONSTRUCTION AND TALL CABINET BODIES. BACK AND SIDE SPLASHES SHALL BE FIELD APPLIED AND MATCH THE MATERIAL AND COLOR OF THE COUNTERTOP UNLESS SPECIFICALLY NOTED OTHERWISE.
- 11. WHERE BACK OR SIDE SPLASHES OCCUR IMMEDIATELY BELOW WINDOW OPENINGS, COORDINATE THE HEIGHT AND DETAILS OF THE SPLASH WITH THE SECTION 05 20 00 FINISH CARPENTRY INSTALLER. WOOD APRON TRIM AT SUCH LOCATIONS SHALL BE REPLACED BY THE SPLASH COMPONENT. REFER TO DETAILS.
- 12. COUNTERTOPS AT ALL GENERAL CLASSROOMS, OFFICES, AND OTHER NON-SCHOOL SPACES SHALL BE TYPE "CNTR-SSM" TYPE UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- 13. COUNTERTOPS AT SCIENCE CLASSROOMS, SCIENCE PREP ROOMS, AND STE ROOMS SHALL BE TYPE "CNTR-E" UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- 14. UNLESS SPECIFICALLY IDENTIFIED BY TYPE, LOOSE FURNISHINGS INCLUDING STOOLS, CHAIRS, DESKS AND TABLES SHOWN DAMAGED ARE NOT IN CONTRACT.
- 15. WHERE CABINETS ARE LOCATED WITH IN-TUBE RADIATION HEATING BEHIND, THE CABINETS CARCASS SHALL BE FABRICATED TO PROVIDE FOR UNRESTRICTED MOVEMENT OF AIR FROM THE TOE KICK BELOW THE CABINET, UNDER THE CABINET BOTTOM, TO THE SPACE BETWEEN THE CABINETS AT THE IN-TUBE HEATING. THE CASEWORK MANUFACTURER SHALL PROVIDE 1/8" THK PERFORATED STEEL GRATES WITH FACTORY-APPLIED BLACK BAKED ENAMEL FINISH AT THE TOE KICK FOR FULL WIDTHS OF CABINETS, AND 4" WIDE FRONTAL-PROOF, CLEAR ANODIZED ALUMINUM GRATINGS IN FRAMES AT THE COUNTER LEDGE. SEE PLANS FOR LENGTHS OF GRATINGS.
- 16. WHERE ELECTRICAL OR DATA OUTLETS ARE INDICATED IN CASEWORK, ROUGH OPENINGS FOR OUTLET BOXES SHALL BE FACTORY PROVIDED. JUNCTION BOXES AND DEVICES SHALL BE INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.
- 17. WHERE SERVICE FITTINGS ARE INDICATED IN CASEWORK INCLUDING BUT NOT LIMITED TO GAS, WATER, AND COMPRESSED AIR, THEY SHALL BE PROVIDED AND INSTALLED IN THE CASEWORK BY THE CASEWORK SUBCONTRACTOR. FINAL CONNECTION OF UTILITIES TO THE FITTINGS SHALL BE COMPLETED BY THE PLUMBING SUBCONTRACTOR.
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- 19. WHERE STAINLESS STEEL SINKS ARE INDICATED IN TYPE CNTR-SSM COUNTERTOPS, THEY SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING SUBCONTRACTOR. OPENINGS FOR SUCH SINKS SHALL BE PROVIDED BY THE CASEWORK SUBCONTRACTOR BASED ON TEMPLATE INFORMATION PROVIDED BY OR COORDINATION WITH THE PLUMBING SUBCONTRACTOR.
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- 21. WHERE CONTROLS INCLUDING, BUT NOT LIMITED TO PLUMBING VALVES, CLEANOUTS, OR ELECTRICAL OR DATA CONDUCTORS AND CABLES RUN THROUGH BUSWAYS OR CHASES CONCEALED BEHIND OR WITHIN MILLWORK, ACCESS PANELS SHALL BE PROVIDED IN THE MILLWORK TO PROVIDE ACCESS TO SUCH UTILITIES. ACCESS PANELS SHALL BE OF THE SAME MATERIAL AND FINISH AS THE ADJACENT CABINETS AND SHALL BE FACTORY CREATED. FIELD CUTTING SHALL NOT BE PERMITTED. PANELS SHOULD BE MINIMUM 12 X 12 INCHES IN SIZE, AND SHALL BE SECURED IN PLACE FLUSH WITH THE ADJACENT CABINET BODY, USING PAN HEAD STAINLESS STEEL FINISH PHILIPS HEAD SCREWS WITH STAINLESS STEEL FINISHED WASHERS AT NO MORE THAN 1/2" ON CENTER AROUND THE PERIMETER OF THE ACCESS PANEL.
- 23. REFER TO ENLARGED TOILET PLANS AND ELEVATIONS FOR, BUT NOT LIMITED TO, DIMENSIONS, EQUIPMENT, ACCESSORIES, AND FINISHES.
- 24. REFER TO T27 / AQ1.80 FOR TYPICAL TILE PATTERNS.
- 25. REFER TO A8.01 AND A9.51 FOR INTERIOR SIGNAGE TYPES AND INSTALLATION REQUIREMENTS.

COUNTER TYPE SCHEDULE

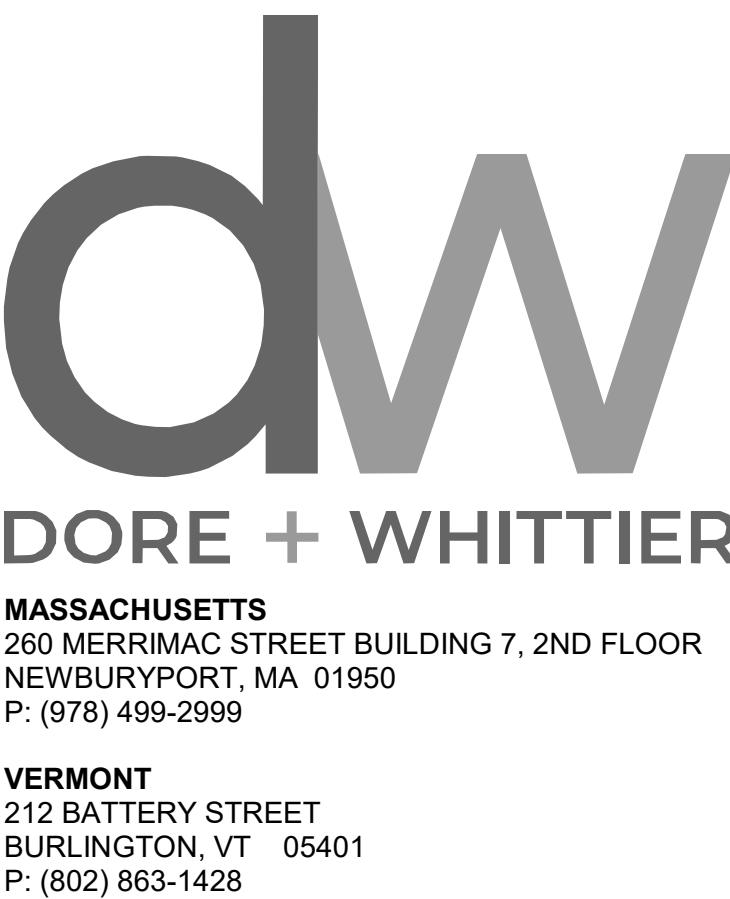
TYPE	MATERIAL	THICKNESS	EDGE	FINISH
CNTR-E	EPOXY RESIN	1 1/4"	3/16 EASED	SMOOTH, NON-GLARE - BLACK
CNTR-SSM	SOLID SURFACE MATERIAL	1 1/4"	3/16 EASED	CORIAN - CAMEO WHITE - SMOOTH POLISHED

- NOTES:
1. REFER TO CASEWORK PLANS FOR TYPE DESIGNATIONS PER ROOM.
 2. COORDINATE PRODUCT INFORMATION AND CONSTRUCTION REQUIREMENTS WITH SPECIFICATIONS.

LOCKER TYPE SCHEDULE

TYPE	NOMINAL SIZE (W X D X H)	STYLE	TIER(S) (DOORS)	BASE	TOP
LK-1a	15'x18'x68"	METAL MODULAR LOCKER, STUDENT	2	METAL PLINTH	FLAT
LK-1b	15'x18'x68"	METAL MODULAR LOCKER, STUDENT	3	METAL PLINTH	FLAT
LK-2	24'x18'x72"	METAL OPEN FACE, PE	1	CONCRETE	SLOPE
LK-3	18'x18'x72"	METAL FULLY VENTED, STAFF	2 (ADA)	CONCRETE	SLOPE
LK-4	36'x18'x40"	METAL MODULAR LOCKER, STUDENT	1	LEVELERS	FLAT

FINISH LOCKER LEGEND: COLOR KEY: 1 SLATE BLUE MT 2 DEEP GREEN MT 3 741 RAYO DE SOL 4 708 HEATHER



CONSENTINO MIDDLE SCHOOL

685 WASHINGTON STREET, HAVERHILL, MA

PROJECT NUMBER: 21-0818

SEAL AND SIGNATURE:

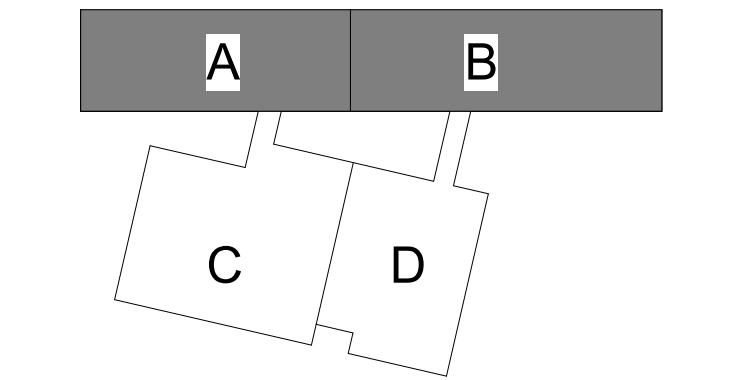
REVISIONS:

NO.	DATE	ADDENDUM NO.	TITLE
2	02.26.2024		Construction Admin

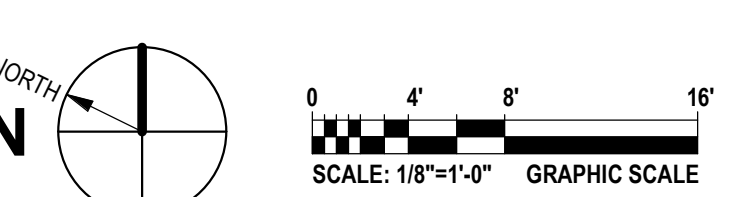
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CONFORMED SET 04.26.2024

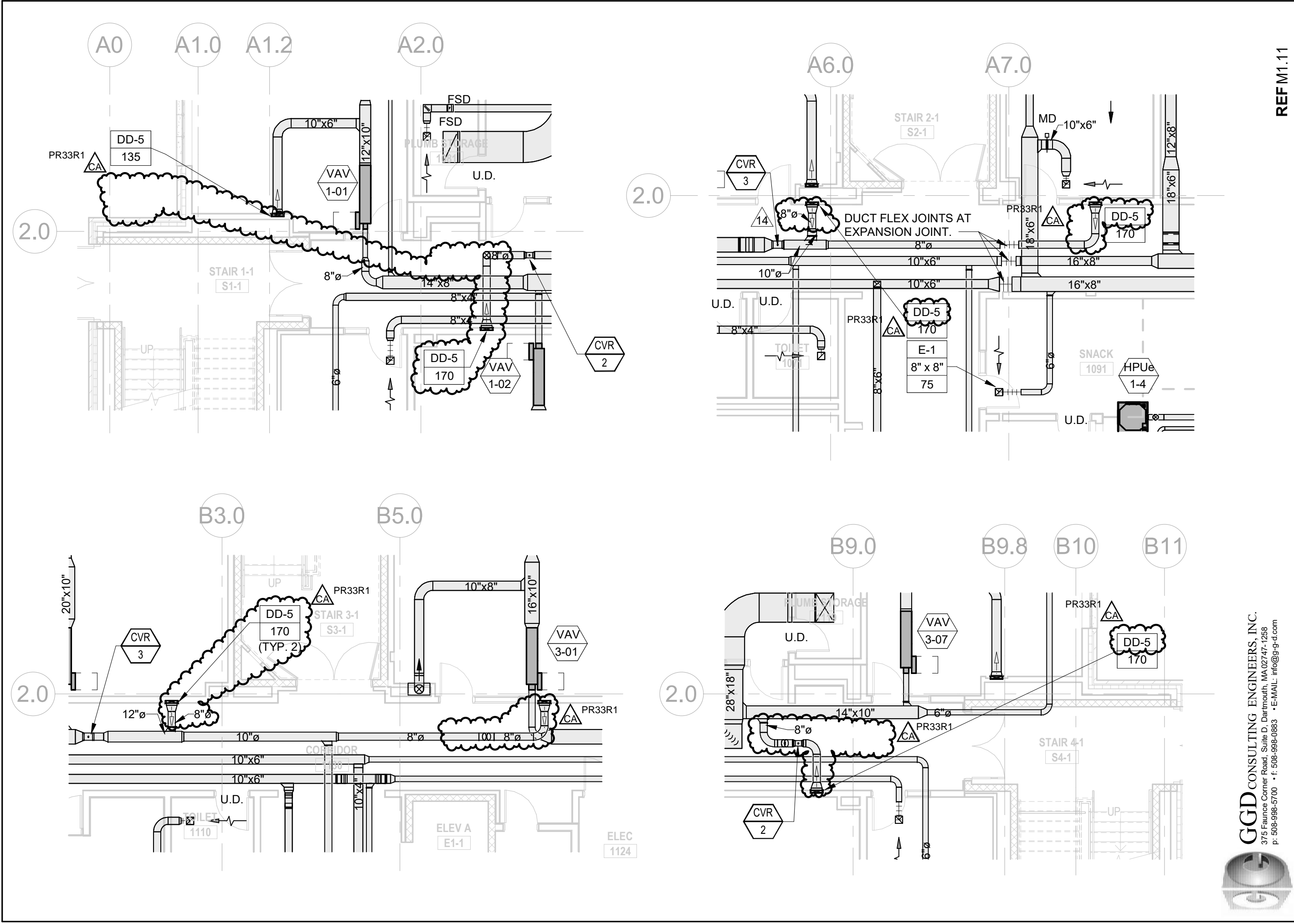
KEY PLAN



ORIENTATION AND SCALE:



SHEET TITLE: LEVEL 1 EQUIPMENT PLANS - AREA A / B
SHEET NUMBER: AQ1.11



REF M1.11



GGD CONSULTING ENGINEERS, INC.
375 Faunce Corner Road, Suite D, Dartmouth, MA 02747-1258
p: 508-998-5700 • f: 508-998-0883 • E-MAIL: info@g-g-d.com

Project No.
21-0818

Consentino Middle School
685 Washington Street
Haverhill, MA

Sheet Title
PR33R1 - LEVEL 1 AREA A&B CORRIDOR
DISPLACEMENT UPDATE

JD-76

Burlington, VT 05401
(802) 863-1428


Newburyport MA 01950
(978) 499-2999

doreandwhittier.com

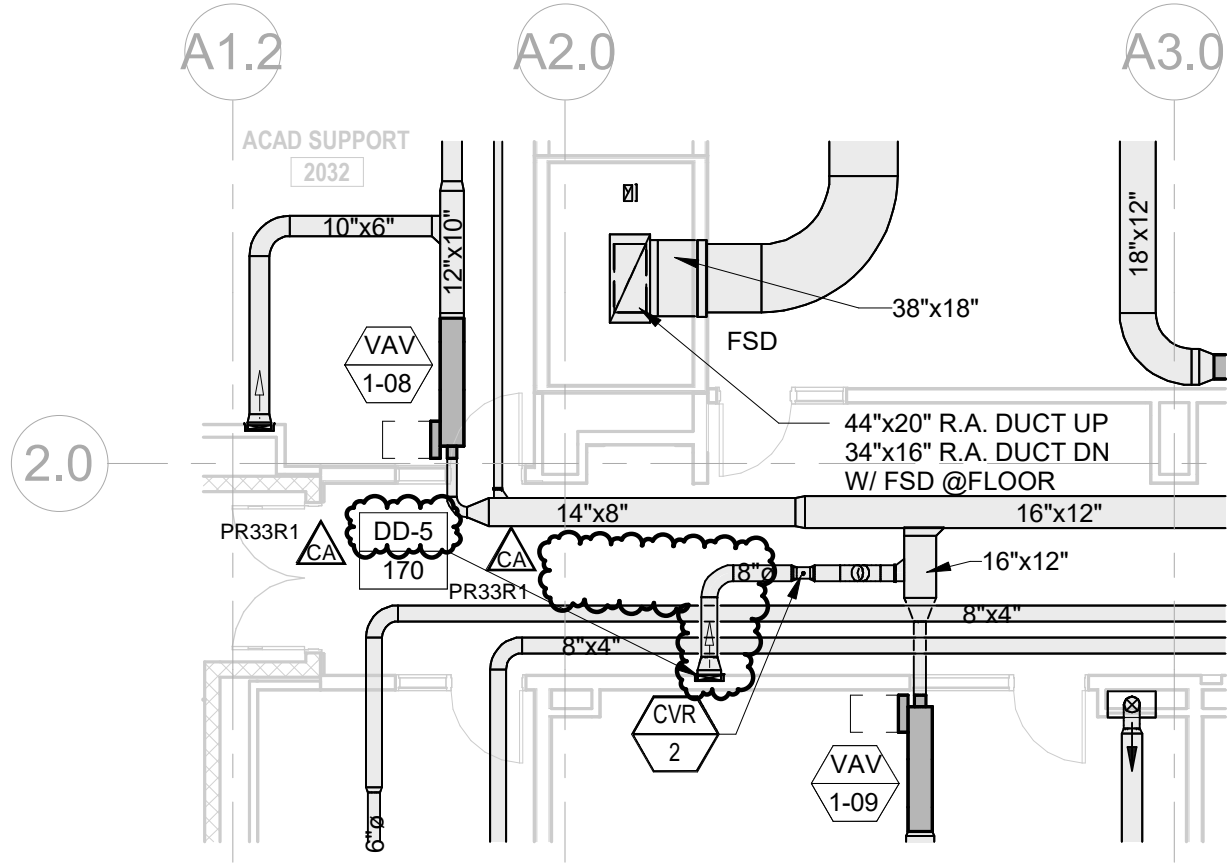
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11/18/24

Scale
1/8" = 1'-0"

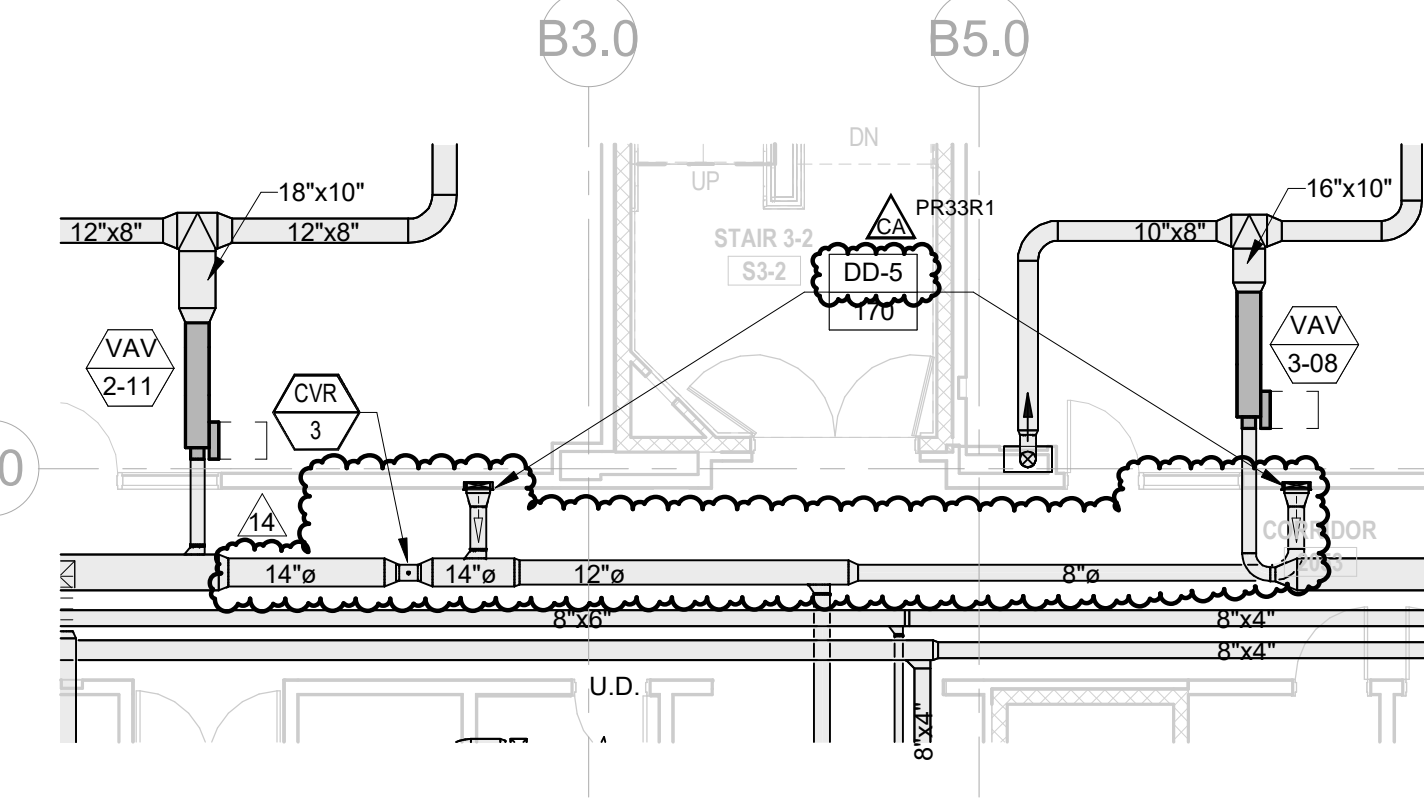
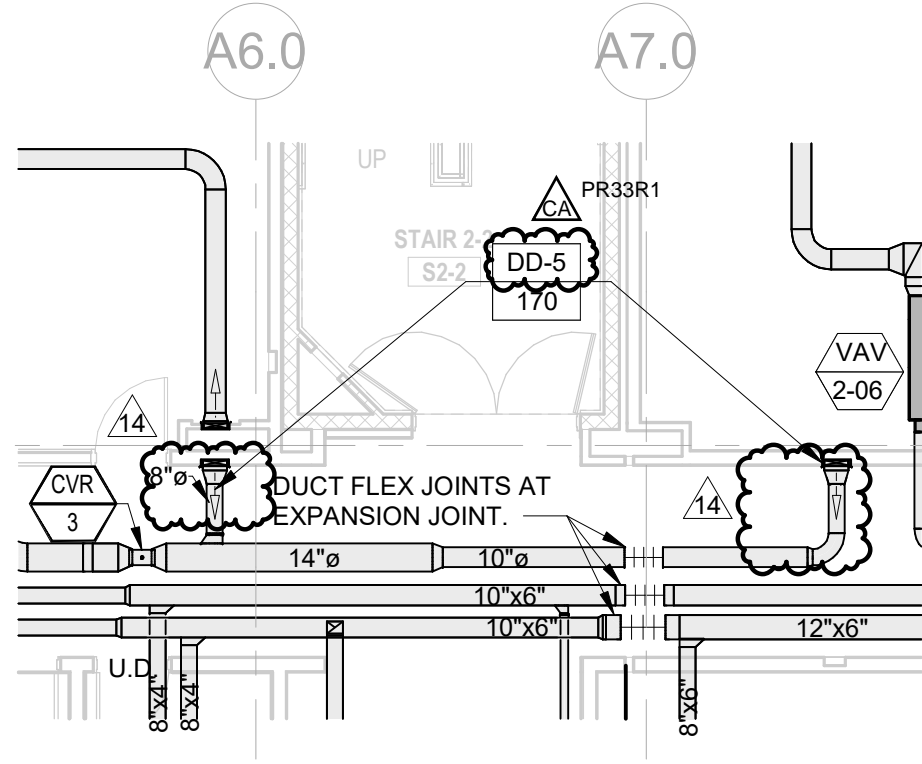
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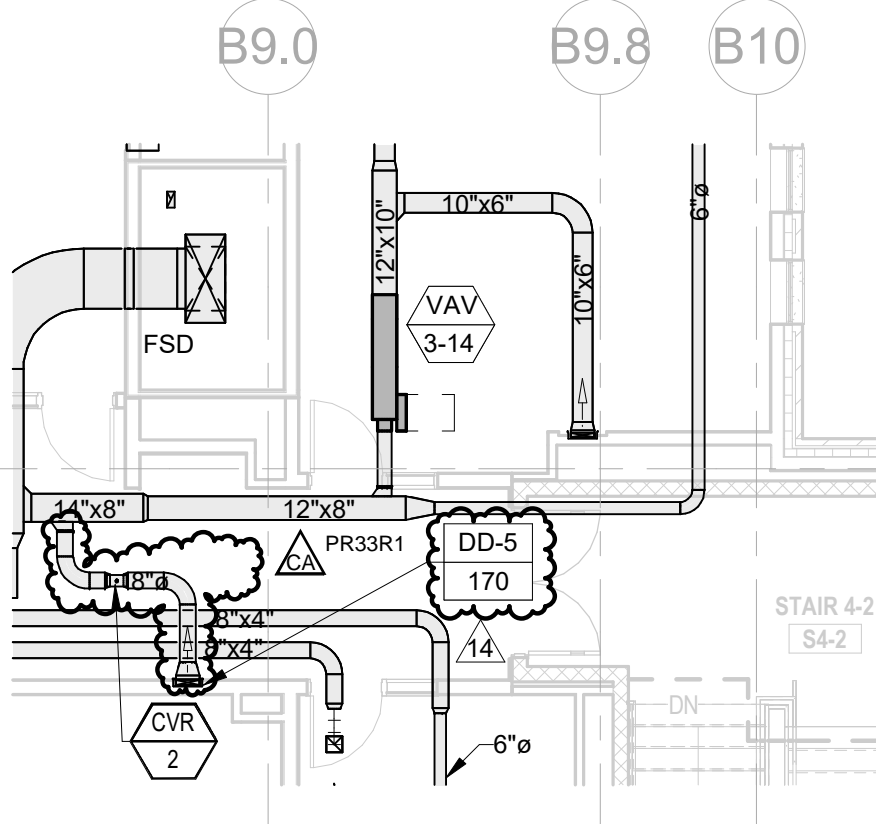


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REF M1.12

CONSENTINO MIDDLE SCHOOL
685 WASHINGTON STREET
HAVERHILL, MA

Project No.

21-0818

Sheet Title

Date

11/18/24

Scale

1/8" = 1'-0"

Burlington, VT 05401

(802) 863-1428

Newburyport MA 01950

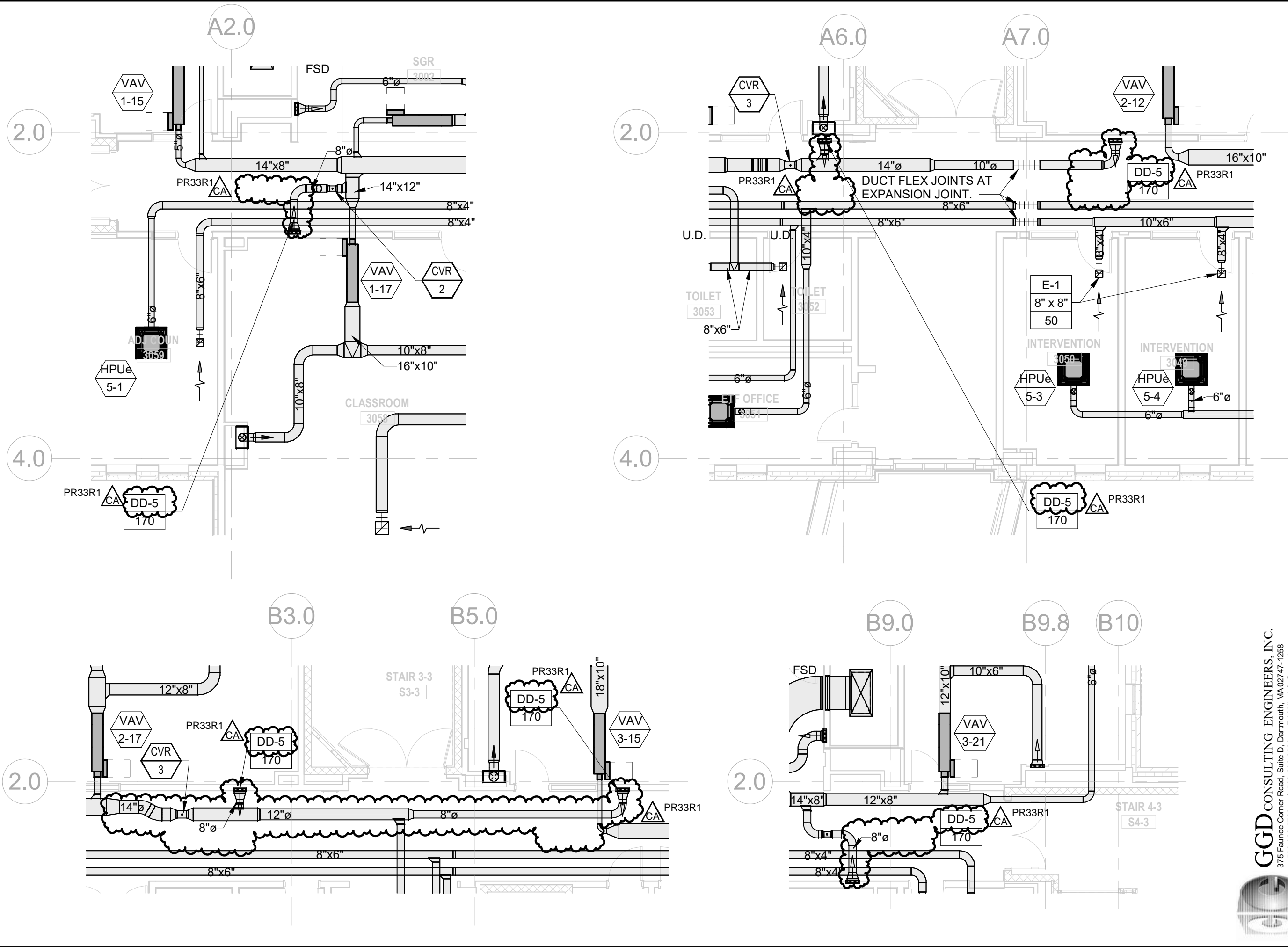
(978) 499-2999

doreandwhittier.com



PR33R1 - LEVEL 2 AREA A&B CORRIDOR
DISPLACEMENT UPDATE

JD-77



REF M1.13

CONSENTINO MIDDLE SCHOOL
685 WASHINGTON STREET
HAVERHILL, MA

Project No.
21-0818

JD-78

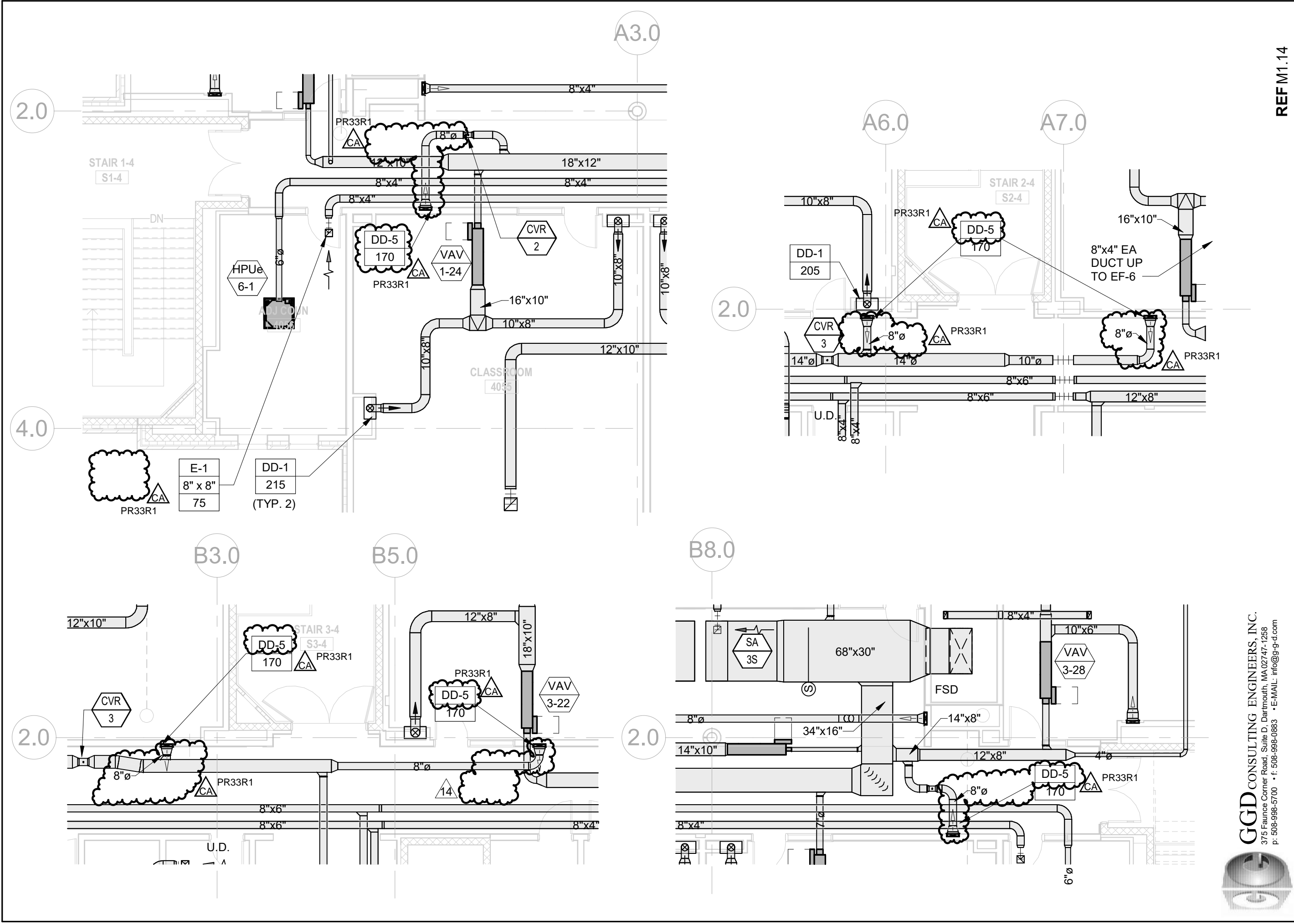
PR33R1 - LEVEL 3 AREA A&B CORRIDOR
DISPLACEMENT UPDATE

Sheet Title	
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GGD CONSULTING ENGINEERS, INC.
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CONSENTINO MIDDLE SCHOOL
685 WASHINGTON STREET
HAVERHILL, MA

Project No. 21-0818

Sheet Title	
PR33R1 - LEVEL 4 AREA A&B CORRIDOR DISPLACEMENT UPDATE Copy 1	
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Burlington, VT 05401 (802) 863-1428	Newburyport MA 01950 (978) 499-2999
Scale	
1/8" = 1'-0"	

doreandwhittier.com

D&W
DORE + WHITTIER

JD-79

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School**

PCO No.

050



Architect's Project No. **21-0818**

Subject: **Fire Alarm Master Box**

PCO Issue Date: **2024.11.22**

PCO Reviewed: **2025.02.07**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other	X	Unforeseen	
Design		Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO finds the fee to be fair
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
X			Electrical:	GGD	GGD has reviewed the attached PCO and finds the amounts to be fair and reasonable
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: c=US,
e=mrogers@doreandwhittier.com,
o=Michele Barbaro-Rogers
Reason: I have reviewed this
document
Date: 2025.02.07 19:13:52-0500

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield, MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-050

TITLE: RFI 135 Fire Alarm Mater Box
Relocation
PROJECT: Dr. Albert B. Consentino Middle
School
TO: City of Haverhill
685 Washington Street
Haverhill, MA

DATE: 11/22/2024

JOB: CSM-2024

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for RFI 135 Fire Alarm Mater Box Relocation. WJGEI Pricing based on NECA Benchmark Level 1.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	WJGEI Proposal #18	1	LS	\$13,264.15		\$0.00	\$13,264.15
2	Brait - OH&P - 5%	0	%	\$13,264.15		\$0.00	\$663.21
3	Brait - Bond - 2%	0	%	\$13,927.36		\$0.00	\$278.55

Lump Sum: \$14,205.90

Total: \$14,205.90

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: *S. Horvath*

Date: 2/25/25

Brait Builders

By: *T.J. Dahill*
T.J. Dahill

Date: _____

Owners Project Manager

By: 11-22-24

Date: *Angela Campbell*

Per Griffin response on 1/30/2025, the costs to go overhead would be more expensive.

GGD and DW recommend approval at this time.

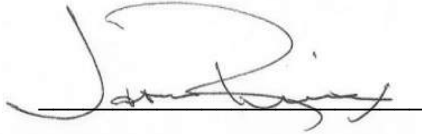
M#91978
J#894 117 00.00

DATE: January 21, 2025

MEMO

TO: Michelle Barbaro-Rogers, AIA
Dore + Whittier

FROM: Jason Rioux, Engineer



David M. Pereira, P.E., Principal



DEPT: Electrical

PROJECT: Consentino Middle School
Haverhill, Massachusetts

SUBJECT: PCO #050: Fire Alarm Master Box Relocation

Please be advised as follows:

We have reviewed the Wayne J. Griffin Electric, Inc. portion of Proposed Change Order No. 050 in the amount of \$13,264.15 for costs associated with RFI #135 Fire Alarm Mater Box Relocation. We find the amount to be fair and reasonable and recommend your approval.

If you have any questions regarding this information, please contact our office at your earliest convenience.

JR:md

Enc.

Cc. Tara King, Dore + Whittier



WAYNE J.
GRIFFIN ELECTRIC
INC.

November 21, 2024

VIA EMAIL ONLY: tdahill@braitbuilders.com

Mr. T.J. Dahill, Project Executive
Brait Builders Corporation
57 Rockwood Road, Suite 3
Marshfield, MA 02050

RE: Job #2949 - Consentino Middle School, Haverhill, MA
Proposal #18

Dear Mr. Dahill:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

Wayne J Griffin Electric are providing their cost proposal for the labor and material for the works as set out below following the response from RFI-135.

During a meeting with Haverhill Fire Department the location of the Master Box was discussed and the Fire Department indicated that they would like the Master Box located at the Main Entrance and not as shown in the Main Electric Room adjacent to the FACP, (E4.12). WJGEI's current underground infrastructure has the City Fire Alarm Connection rising up in the Net/Tele Room #1016.

Given the above information WJGEI have provided their breakdown of works below.

City Loop:

Within Room #1016 a Junction Box will be installed to the previously installed 2" Conduit. From this point the 2" Conduit will be extended underground to the proposed location. It will be turned up in the wall and terminate into the Recessed Master Box. Within this conduit the Fire Department require a 16-Pair #16 CI Cable for the City connection. WJGEI will incur additional costs from Derenzo for a portion of additional internal excavation at a measured length of 44' at \$37.00 per foot which is consistent with the rate we are currently paying Derenzo directly.

Power 24 Volt:

From the FACP located in Room #1015 a 1" Conduit will be installed underground to the proposed location. It will be turned up in the wall and terminate into the recessed Master Box. Within this conduit a 14/2 CI will be installed for power to the Master Box.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

2395 Pleasantdale Road
Suite 14
Doraville, GA 30340
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Our costs do not include for any cutting, patching, painting, floor or wall protection, ceiling tile removal or permit.

Total \$ 13,264.15

The additional work will require three (3) days to be added to the completion date. This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above. If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5373 or rtredgett@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Richard Tredgett
Project Manager

RT/ncp

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Michael Brait, Owner, Brait Builders Corporation, mbrait@braitbuilders.com
Jake McDonough, Assistant Project Manager, Brait Builders Corporation,
jmcdonough@braitbuilders.com
Neil Dooney, Superintendent, Brait Builders Corporation, ndooney@braitbuilders.com
Richard Tredgett, Project Manager, Wayne J. Griffin Electric, Inc.
Chris Deschenes, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Victor Vargas, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Alex L'Homme, Project Foreman, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0018, CP - RFI 135 Master Box Relocation
Date: 11/19/2024
Project Name: Consentino Middle School
Project Number: 02949-00-24
Page Number: 1

Work Description

Wayne J Griffin Electric are providing their cost proposal for the labor and material for the works as set out below following the response from RFI-135.

*During a meeting with Haverhill Fire Department the location of the Master Box was discussed and the Fire Department indicated that they would like the Master Box located at the Main Entrance and not as shown in the Main Electric Room adjacent to the FACP , (E4.12). WJGEI's current underground infrastructure has the City Fire Alarm Connection rising up in the Net /Tele Room 1016.

Given the above information WJGEI have provided their breakdown of works below.

City Loop

*Within Room 1016 a Junction Box will be installed to the previously installed 2" Conduit. From this point the 2" Conduit will be extended underground to the proposed location. It will be turned up in the wall and terminate into the Recessed Master Box. Within this conduit the Fire Department require a 16 Pair #16 CI Cable for the City connection.

WJGEI will incur additional costs from Derenzo for a portion of additional internal excavation at a measured length of 44' at \$37 per foot which is consistent with the rate we are currently paying Derenzo directly.

Power 24 Volt

*From the FACP located in Room 1015 a 1" Conduit will be installed underground to the proposed location. It will be turned up in the wall and terminate into the recessed Master Box. Within this conduit a 14/2 CI will be installed for power to the Master Box.

Our costs do not include for any cutting, patching, painting, floor/wall protection, ceiling tile removal or permit.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
CITY LOOP CONNECTION						
DERENZO TRENCHING	44.00	37.0000		1,628.000	0.0227	0.999
2" 2 EMT	10.00	5.0080	FT	50.080	0.0800	0.800
2" 2 PVC SCH 40	109.00	2.1945	FT	239.200	0.0800	8.720
2" 2 GRC 90-DEG ELBOW	2.00	42.6850	EA	85.370	1.0000	2.000
2" 2 EMT 90-DEG ELBOW	1.00	20.3400	EA	20.340	0.5000	0.500
2" 2 EMT 45-DEG ELBOW	2.00	18.8450	EA	37.690	0.5000	1.000
2" 2 GRC COUPLING	4.00	12.5850	EA	50.340	0.3000	1.200
2" 2 EMT STEEL-SS COUPLING	6.00	2.8033	EA	16.820	0.0900	0.540
2" 2 EMT STEEL SS CONNECTOR	1.00	2.4300	EA	2.430	0.2500	0.250
2" 2 PVC FEMALE ADAPTER	4.00	1.4175	EA	5.670	0.3000	1.200
2 " 2 PLASTIC BUSHING	1.00	0.6400	EA	0.640	0.3000	0.300
2" 2 BUSHED CHASE NIPPLE-STEEL	1.00	2.9000	EA	2.900	0.3000	0.300
2 2 x12 GRS NIPPLE	2.00	28.9300	EA	57.860	0.6000	1.200
14 THHN/THWN CU (SOL)	3,520.00	0.1488	FT	523.780	0.0050	17.600
3/8 x 2" 3/8 x 2" LAG BOLT	4.00	0.4450	EA	1.780	0.1500	0.600
2" 2 GRC STRUT CLAMP GALV	2.00	2.0950	EA	4.190	0.0400	0.080
16x16x6 P-BOX-PAINT SCREW CVR	1.00	55.2200	EA	55.220	1.9000	1.900
Phase Totals				2,782.31		39.19



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0018, CP - RFI 135 Master Box Relocation
Date: 11/19/2024
Project Name: Consentino Middle School
Project Number: 02949-00-24
Page Number: 2

POWER 24 VOLT

FIRE ALARM CI CABLE 14/2	115.00	1.2930	148.690	0.0060	0.690
1" 1 EMT	15.00	2.1953 FT	32.930	0.0550	0.825
1" 1 PVC SCH 40	105.00	1.0583 FT	111.120	0.0525	5.513
1" 1 GRC 90-DEG ELBOW	4.00	16.4875 EA	65.950	0.5000	2.000
1" 1 GRC COUPLING	1.00	5.1100 EA	5.110	0.2000	0.200
1" 1 EMT STEEL SS CONNECTOR	6.00	0.6717 EA	4.030	0.1200	0.720
1" 1 PVC FEMALE ADAPTER	8.00	0.7800 EA	6.240	0.1800	1.440
1" 1 PLASTIC BUSHING	4.00	0.1825 EA	0.730	0.1800	0.720
1 1 x12 GRS NIPPLE	4.00	16.1750 EA	64.700	0.3500	1.400
1" 1 GRC STRUT CLAMP GALV	4.00	1.6050 EA	6.420	0.0300	0.120

Phase Totals

445.92 13.63

Totals 3,228.23 52.82

Tax 0.00

Materials with Tax 3,228.23

Summary

Itemized Breakdown Total 3,228.23

Electrical Journeyman (52.8163 hrs @ \$99.04 / hr) 5,230.93

5,230.93

FIELD CLEANUP (1.58 hrs @ \$99.04 / hr) 156.48

FIELD AS BUILTS (1.58 hrs @ \$99.04 / hr) 156.48

FIELD JHA/SAFETY (1.58 hrs @ \$99.04 / hr) 156.48

WORKING FOREMAN (10.56 hrs @ \$99.04 / hr) 1,045.86

1,515.30

Labor Burden (\$6,746.23 @ 30.00%) 2,023.87

2,023.87

Overhead & Profit (\$11,998.33 @ 10.00%) 1,199.83

1,199.83

Bond (\$13,198.16 @ 0.50%) 65.99

65.99

4,804.99

Total \$13,264.15



Brait Builders Corporation
57 Rockwood Rd, Suite 3
Marshfield, Massachusetts 02050
P: +17818376400

Project: CMS Haverhill Middle School
685 Washington Street
Haverhill , Massachusetts 01830

RFI #135: CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location

Status	Closed on 11/07/24		
To	Heather Gratton (Dore and Whittier) Tara King (Dore and Whittier)	From	Jake McDonough (Brait Builders Corporation)
Date Initiated	Oct 17, 2024	Due Date	Nov 15, 2024
Location	Project Stage		
Cost Impact	Schedule Impact		
Spec Section	Cost Code		
Drawing Number	Reference		
Linked Drawings			
Received From	Richard Tredgett (Wayne J. Griffin Electric, Inc.)		
Copies To	TJ Dahill (Brait Builders Corporation), Neil Dooney (Brait Builders Corporation), Heather Gratton (Dore and Whittier), Tara King (Dore and Whittier), Don Walter (Dore and Whittier)		

Activity

Question	<p>Question from Jake McDonough Brait Builders Corporation on Thursday, Oct 17, 2024 at 03:43 PM EDT</p> <p>WJGEI met with Haverhil Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.</p> <p>Attachments CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location.pdf</p>
Official Response	<p>Response from Tara King Dore and Whittier on Wednesday, Nov 6, 2024 at 05:31 PM EST</p> <p>see attached - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location-2024-11-06</p> <p>Attachments RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location-2024-11-06.pdf</p>

SECTION 01 30 01
REQUEST FOR INTERPRETATION FORM
CONSENTINO MIDDLE SCHOOL - #21-0818

TO: Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950	FROM:	RFI #:
Attn: Tara King	Reply Requested by:	Issue Date:
RFI DESCRIPTION (Indicate origin of RFI, and summarize the question or type of information required): 		
REFERENCES (List relevant Drawings or Specification sections and paragraphs): 		
SENDER'S RECOMMENDATION (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.) 		
DESIGNER'S RESPONSE:		

BY:	DATE:	COPIES TO:

END OF SECTION
Request for Interpretation Form
01 30 01 - 1


REQUEST FOR INFORMATION - RFI

M#91209
J#894 117 00.00

DATE: November 6, 2024

TO: Michelle Barbaro-Rogers, AIA
Dore + Whittier

FROM: Jason Rioux



DEPT: Electrical

PROJECT: Consentino Middle School
Haverhill, Massachusetts

SUBJECT: RFI #135- Fire Alarm Master Box Location

Question:

WJGEI met with Haverhill Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.

Response:

GGD takes no exception to master box location. Architect to confirm if location is available/appropriate.

JR: ss

Enc.

Cc: Tara King, Dore + Whittier



Brait Builders Corporation
57 Rockwood Rd, Suite 3
Marshfield, Massachusetts 02050
P: +17818376400

Project: CMS Haverhill Middle School
685 Washington Street
Haverhill , Massachusetts 01830

10/18/24

RFI #135: CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location

Status	Open		
To	Tara King (Dore and Whittier) Heather Gratton (Dore and Whittier)	From	Jake McDonough (Brait Builders Corporation)
Date Initiated	Oct 17, 2024	Due Date	Nov 15, 2024
Location	Project Stage		
Cost Impact	Schedule Impact		
Spec Section	Cost Code		
Drawing Number	Reference		
Linked Drawings			
Received From	Richard Tredgett (Wayne J. Griffin Electric, Inc.)		
Copies To	TJ Dahill (Brait Builders Corporation), Neil Dooney (Brait Builders Corporation), Heather Gratton (Dore and Whittier), Tara King (Dore and Whittier), Don Walter (Dore and Whittier)		

Activity

Question	<p>Question from Jake McDonough Brait Builders Corporation on Thursday, Oct 17, 2024 at 03:43 PM EDT</p> <p>WJGEI met with Haverhil Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.</p> <p>Attachments</p> <p>CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location.pdf</p>
----------	--

Awaiting an Official Response



WAYNE J.
GRIFFIN ELECTRIC
INC.

REQUEST FOR INFORMATION

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. 25 Date: 10/17/2024

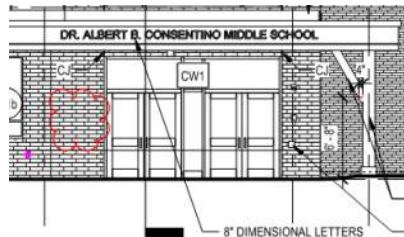
To: Brait Job #: 2949

Attn.: Jake McDonough Assistant Project Manager

Title

Project: Consentino Middle School

Reference: Fire Alarm Master Box Location
WJGEI met with Haverhill Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below.



The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below.



Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.

Question:

Signed: Rich Tredgett Date: 10/17/2024

Please provide an answer by 10/24/2024 to minimize the impact to our work. Time is of the essence.

Attachments: Yes: _____ No: X Copy: _____

Answer: _____

Signed: _____ Date: _____

CC.

SECTION 01 30 01
REQUEST FOR INTERPRETATION FORM
CONSENTINO MIDDLE SCHOOL - #21-0818

TO: Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950	FROM:	RFI #:
Attn: Tara King	Reply Requested by:	Issue Date:
RFI DESCRIPTION (Indicate origin of RFI, and summarize the question or type of information required): 		
REFERENCES (List relevant Drawings or Specification sections and paragraphs): 		
SENDER'S RECOMMENDATION (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.) 		
DESIGNER'S RESPONSE:		

BY:	DATE:	COPIES TO:

END OF SECTION

Request for Interpretation Form

01 30 01 - 1



WAYNE J.
GRIFFIN ELECTRIC
INC.

REQUEST FOR INFORMATION

This is a request for information / clarification to resolve any questions in plans and specifications. Any changes to the contract as a result of the answer to the question below will be addressed under separate cover.

Request For Information No. 25 Date: 10/17/2024

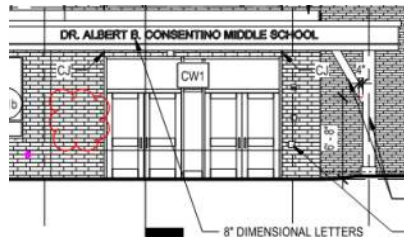
To: Brait Job #: 2949

Attn.: Jake McDonough Assistant Project Manager

Title

Project: Consentino Middle School

Reference: Fire Alarm Master Box Location
WJGEI met with Haverhill Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below.



The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below.



Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.

Question:

Signed: Rich Tredgett Date: 10/17/2024

Please provide an answer by 10/24/2024 to minimize the impact to our work. Time is of the essence.

Attachments: Yes: _____ No: X Copy: _____

Answer: _____

Signed: _____ Date: _____

CC.

CONSENTINO MIDDLE SCHOOL - #21-0818

TO:	FROM:	RFI #:
Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950	Brait Builders	RFI - 135
Attn: Tara King	Reply Requested by: Jake McDonough	Issue Date: 10/17/24
RFI DESCRIPTION (Indicate origin of RFI, and summarize the question or type of information required):		
WJGEI met with Haverhil Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.		
REFERENCES (List relevant Drawings or Specification sections and paragraphs):		
SENDER'S RECOMMENDATION (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.)		
DESIGNER'S RESPONSE:		

Refer to response below from GGD.

Re Location: Contractor to confirm proposed location at main entrance is not in conflict with other proposed equipment.

Location shown on page 5 is generally acceptable. It would be preferred that edge of FAMB be similar distance from curtain wall jamb to inside edge of equipment on opp side of cw.

BY:

DATE:

COPIES TO:

END OF SECTION

Request for Interpretation Form

01 30 01 - 1


REQUEST FOR INFORMATION - RFI

M#91209
J#894 117 00.00

DATE: November 6, 2024

TO: Michelle Barbaro-Rogers, AIA
Dore + Whittier

FROM: Jason Rioux



DEPT: Electrical

PROJECT: Consentino Middle School
Haverhill, Massachusetts

SUBJECT: RFI #135- Fire Alarm Master Box Location

Question:

WJGEI met with Haverhill Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.

Response:

GGD takes no exception to master box location. Architect to confirm if location is available/appropriate.

JR: ss

Enc.

Cc: Tara King, Dore + Whittier



Brait Builders Corporation
57 Rockwood Rd, Suite 3
Marshfield, Massachusetts 02050
P: +17818376400



Project: CMS Haverhill Middle School
685 Washington Street
Haverhill, Massachusetts 01830

RFI #135: CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location

Status	Open		
To	Tara King (Dore and Whittier) Heather Gratton (Dore and Whittier)	From	Jake McDonough (Brait Builders Corporation)
Date Initiated	Oct 17, 2024	Due Date	Nov 15, 2024
Location	Project Stage		
Cost Impact	Schedule Impact		
Spec Section	Cost Code		
Drawing Number	Reference		
Linked Drawings			
Received From	Richard Tredgett (Wayne J. Griffin Electric, Inc.)		
Copies To	TJ Dahill (Brait Builders Corporation), Neil Dooney (Brait Builders Corporation), Heather Gratton (Dore and Whittier), Tara King (Dore and Whittier), Don Walter (Dore and Whittier)		

Activity

Question	<p>Question from Jake McDonough Brait Builders Corporation on Thursday, Oct 17, 2024 at 03:43 PM EDT</p> <p>WJGEI met with Haverhil Fire Dept today 10/17/24 to discuss the location of the Fire Alarm Master box and City Loop Connection. Haverhill Fire Dept have indicated that they would want the Master Box installed to the left of the Main Entrance as indicated below. The contract drawings E4.12 shows the Master Box located in the Main Electric Room 1015 as indicated below. Can the Design Team please confirm that they agree with this approach. Can it also be confirmed as to whether the Master Box should be a flush mounted style if the approach is to relocate to the front entrance.</p> <p>Attachments CMS - RFI 135 - WGE RFI - 25 Fire Alarm Master Box Location.pdf</p>
-----------------	---

Awaiting an Official Response



CC.

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

Subject: **Work Associated with Existing School Site Lighting** PCO Issue Date: **2025.01.27**
PCO Reviewed: **2025.02.07**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner	X	Town/AHJ/Other		Unforeseen	
Design		Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO finds the fee to be fair
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
X			Electrical:	GGD	GGD has reviewed the attached PCO and finds the amounts to be fair and reasonable
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield, MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-054

TITLE: Work Associated With Existing
School Site Lighting
PROJECT: Dr. Albert B. Consentino Middle
School
TO: City of Haverhill
685 Washington Street
Haverhill, MA

DATE: 01/27/2025

JOB: CSM-2024

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for Work Associated With Existing School Site Lighting.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	WJGEI Proposal-26	1	LS	\$2,327.15		\$0.00	\$2,327.15
2	JDC COR-14	1	LS	\$1,513.92		\$0.00	\$1,513.92
3	Brait - OH&P - 5%	0	%	\$3,841.07		\$0.00	\$192.05
4	Brait - Bond - 2%	0	%	\$4,033.12		\$0.00	\$80.66

Lump Sum: \$4,113.79

Total: \$4,113.79

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: T.J. Dahill

T.J. Dahill

Date: 1-27-25

Owners Project Manager

By: _____

Date: 2-10-2025

Recommend approval at this time.

Jake McDonough

From: T.J. Dahill
Sent: Tuesday, February 4, 2025 4:35 PM
To: Alexa Epp; Michele Rogers; tking@doreandwhittier.com; Christina Mulligan; suzanna.yeung@collierseng.com; mike.carroll@collierseng.com; cesar.collado@collierseng.com; Charlie Kanouff
Cc: Jake McDonough; Neil Dooney; Kelly Monaghan
Subject: RE: CMS PCO-054 Work Associated With Existing School Site Lighting

Following last week's meeting here is a narrative to go along with these costs:

On or about 11/23 Steve Dorrance notified Neil of an issue with the two of the existing site lights not coming on in the evening. Steve notes the safety concern and a need to address the situation asap. Brait and WJGE, began performing some investigatory work on 11/25. When Brait (J Derenzo and WJGE) performed utility work in the parking lot over the summer it was determined the lights in question were not fed from any circuits that were impacted during that work.

After consultation with town electrician who pointed out a previously unknown pull box in the parking lot, it was discovered the circuitry to the lights was impacted somewhere down the line of the pull box. The town electrician requested the wires in the pull box remain so as not to potentially impact any further circuits or lights. SO WJGE with assistance from JDC trenched from the pull box to the base of light poles and re-fed the circuit.

Any further information required please let me know. We expect this PCO to be included in CO-07 as it represents work completed in November at the request of the town.

Thx.
TJ

From: Alexa Epp <aepp@braitbuilders.com>
Sent: Monday, January 27, 2025 8:42 AM
To: Michele Rogers <mrogers@doreandwhittier.com>; tking@doreandwhittier.com; Christina Mulligan <christina.mulligan@collierseng.com>; suzanna.yeung@collierseng.com; mike.carroll@collierseng.com; cesar.collado@collierseng.com; Charlie Kanouff <charlie.kanouff@collierseng.com>
Cc: Jake McDonough <jmcdonough@braitbuilders.com>; Neil Dooney <ndooney@braitbuilders.com>; Kelly Monaghan <office@braitbuilders.com>; T.J. Dahill <tdahill@braitbuilders.com>
Subject: CMS PCO-054 Work Associated With Existing School Site Lighting

Good morning,
Please see CMS PCO-054 Work With Existing School Site Lighting attached for your review.

Thank you,
Alexa



Brait Builders Corporation | 57 Rockwood Road, Suite 3, Marshfield, MA 02050
P 781 837 6400 x 208 | F 781 837 6153 | aepp@braitbuilders.com



INVOICE

116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251
MA LIC. A8999, 4536A1

MR. T.J. DAHILL
Sold To: BRAIT BUILDERS CORPORATION
57 ROCKWOOD ROAD, SUITE 3
MARSHFIELD, MA 02050

Work Done At: CONSENTINO MIDDLE SCHOOL
685 WASHINGTON STREET
HAVERHILL, MA 01830

JOB NO. 02949-00-24	PO Nbr	Terms Net 30 Days	PLEASE REMIT BY INVOICE NUMBER P0026	Invoice Date 1/24/2025
------------------------	--------	----------------------	---	---------------------------

DESCRIPTION OF WORK:

RE: Job#2949- Consentino Middle School
Proposal#P0026

Wayne J Griffin Electric are providing their cost proposal on a T&M Basis for the labor and material for the works as set out below and captured on Slip #3.

*To provide the labor and material for the repair of the existing school parking lot lighting as requested.

Our costs do not include for any cutting, patching, painting, floor/wall protection, ceiling tile removal, or permit.

INVOICE TOTAL

2,327.15

Terms: Net 30 Days with 1.5% Interest on all Unpaid Balance over 30 days



WAYNE J.
GRIFFIN ELECTRIC
INC.

January 24, 2025

VIA EMAIL ONLY: tdahill@braitbuilders.com

Mr. T.J. Dahill, Project Executive
Brait Builders Corporation
57 Rockwood Road, Suite 3
Marshfield, MA 02050

RE: Job #2949 - Consentino Middle School, Haverhill, MA
Proposal #26

Dear Mr. Dahill:

In accordance with the field change order signed by your authorized representative Neil Dooney, the contract should be modified to include the following revision per our enclosed detailed backup:

DESCRIPTION OF WORK:

Wayne J Griffin Electric are providing their cost proposal on a T&M Basis for the labor and material for the works as set out below and captured on Slip #3.

To provide the labor and material for the repair of the existing school parking lot lighting as requested.

Our costs do not include for any cutting, patching, painting, floor or wall protection, ceiling tile removal, or permit.

The material pricing enclosed is based on industry recognized standardized unit rates obtained from Trade Service, as agreed to for your review, approval and acceptance. The labor hours are as signed for and acknowledged by your on-site representative.

Total \$ 2,327.15

Please issue a written change order as the work above has been completed. The value included in this field change order does not include any amounts for changes in the sequence of work, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

2395 Pleasantdale Road
Suite 14
Doraville, GA 30340
Phone: (678) 417-9377
Fax: (678) 417-9373

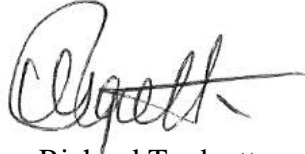
2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5373 or rtredgett@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.

A handwritten signature in black ink, appearing to read 'R. Tredgett', with a stylized flourish at the end.

Richard Tredgett
Project Manager

RT/ncp

ACKNOWLEDGMENT: The contract modifications stated for the above field change are acceptable for the work already performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: Michael Brait, Owner, Brait Builders Corporation, mbrait@braitbuilders.com
Jake McDonough, Assistant Project Manager, Brait Builders Corporation,
jmcdonough@braitbuilders.com
Neil Dooney, Superintendent, Brait Builders Corporation, ndooney@braitbuilders.com
Richard Tredgett, Project Manager, Wayne J. Griffin Electric, Inc.
Chris Deschenes, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Victor Vargas, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Alex L'Homme, Project Foreman, Wayne J. Griffin Electric, Inc.



116 Hopping Brook Road, Holliston, MA 01746
(508) 429-8830 FAX (508) 429-9251

CCN#: P-0026, T&M Slip #3 - School Parking Lot Light
Date: 1/23/2025
Project Name: Consentino Middle School
Project Number: 02949-00-24
Page Number: 1

Work Description

Wayne J Griffin Electric are providing their cost proposal on a T&M Basis for the labor and material for the works as set out below and captured on Slip #3.

*To provide the labor and material for the repair of the existing school parking lot lighting as requested .

Our costs do not include for any cutting, patching, painting, floor/wall protection, ceiling tile removal, or permit.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
WJGEI VERIFIED LABOR	1.00	0.0000		0.000	16.0000	16.000
3/4" RIGID CONDUIT	5.00	3.2860	FT	16.430	0.0000	0.000
3/4" PVC SCHEDULE 40	80.00	0.6101	FT	48.810	0.0000	0.000
3/4" PVC 90D ELBOW SCHEDULE 40	1.00	1.2500	EA	1.250	0.0000	0.000
3/4" RIGID 90D ELBOW	1.00	9.8200	EA	9.820	0.0000	0.000
3/4" PVC FEMALE ADAPTER	1.00	0.5700	EA	0.570	0.0000	0.000
3/4 GRC LB CONDUIT BODY (MALLEABLE)	1.00	9.5000	EA	9.500	0.0000	0.000
3/4" LOCKNUT	2.00	0.1450	EA	0.290	0.0000	0.000
#10 THHN-CU-STRANDED-BLACK-500FT COIL	95.00	0.3577	FT	33.980	0.0000	0.000
#8 THHN-CU-STRANDED-BLACK	190.00	0.6676	FT	126.840	0.0000	0.000
Totals				247.49		16.00
Tax				0.00		
Materials with Tax				247.49		

Summary

Itemized Breakdown Total		247.49
Electrical Journeyman	(12.2500 hrs @ \$99.04 / hr)	1,213.24
Elec Apprentice - Step 3	(3.7500 hrs @ \$57.51 / hr)	215.66
		1,428.90
Labor Burden	(\$1,428.90 @ 30.00%)	428.67
		428.67
Overhead & Profit	(\$2,105.06 @ 10.00%)	210.51
		210.51
Bond	(\$2,315.57 @ 0.50%)	11.58
		11.58
		650.76
Total		\$2,327.15

WAYNE J. GRIFFIN ELECTRIC, INC.

116 HOPPING BROOK ROAD

HOLLISTON, MA. 01746

TEL: 508-429-8830 FAX: 508-429-7825

CUSTOMER NAME

Brait Builders

STREET

CITY

STATE

PRE-WORK AUTHORIZATION:

AUTHORIZED SIGNATURE

YOU ARE HEREBY AUTHORIZED TO PERFORM THE ABOVE ADDITIONAL WORK UNDER THE SAME CONDITIONS AS SPECIFIED IN THE ORIGINAL CONTRACT PROPOSAL UNLESS OTHERWISE STIPULATED

MATERIAL AND LABOR BREAKDOWN:

WORK AUTHORIZATION

DATE:

JOB NAME AND ADDRESS

Consentino Middle School
685 Washington Street
Haverhill MA

JOB NUMBER

2444

CHECK ONE:

☒ MATERIAL

☐ SERVICE

☐ DIVISION WORK

☐ OTHER PLEASE SPECIFY

DESCRIPTION OF WORK

Existing site lighting issues at front parking lot

CUSTOMER PURCHASE ORDER #

DATE:

QUANTITY

MATERIAL

QUANTITY

MATERIAL

TIME AND LABOR RECORD:

WORKER	DATE	IN	OUT	IN	OUT	HOURS	WORKER	DATE	IN	OUT	IN	OUT	HOURS
Alex Lihomme	11/25/24	1:15	3:00			2.75	Alex Lihomme	11/27/24	6:00	8:00			2
JEFF Goodwin	11/25/24	1:15	3:00			2.75	JEFF Goodwin	11/27/24	6:00	8:45			2.75
Alex Lihomme	11/26/24	6:00	7:00			1							
JEFF Goodwin	11/26/24	6:00	7:00			1							
Joe Tannaflo	11/26/24	6:00	7:00			1							

POST WORK AUTHORIZED SIGNATURE

[Signature] N. Brown

DATE



338 Howard Street | Brockton, MA | 02302

Change Order Request

To: Bob Brait
Brait Builders
506 Plain St, Ste 201
Marshfield, MA 02050
Ph: 781-837-6400 Fax: 781-837-6153

Number: 14
Date: 1/2/25
Job: JDC24013 Haverhill Middle School

Description of Work: E&B Electric Site Lighting Trench

Below are the costs associated with the additional work in conjunction with our contract.

E&B Electric Site Lighting Trench

The total amount to provide this work is \$1,513.92

Kindly issue a change order for this additional work. If you have any questions, please contact me at (508)897-8035.

Submitted by: Bradd Biagini
J Derenzo Company

Reviewed:

Approved:

Created by: Caitlin Spector



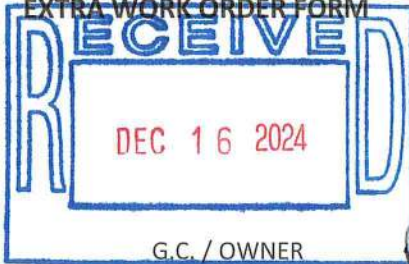
338 Howard Street | Brockton, MA | 02302

COR 14 Price Breakdown

Job: JDC24013 Haverhill Middle School

Description of Work: E&B Electric Site Lighting Trench

Description	Quantity	Unit	Unit Price	Price
Slip# 61059				11/27/2024
CAT 305 Excavator with Operator	4.00	hrs	\$254.06	\$1,016.24
Newport - Stone Dust	3.00	tons	\$19.00	\$57.00
Laborer	4.00	hrs	\$104.09	\$416.36
	Slip# 61059 Total:			\$1,489.60
			Subtotal	\$1,489.60
			Bond	\$18.62
			Material Markup	\$5.70
			Sub Markup	\$0.00
			Total	\$1,513.92


**J.DERENZO
COMPANY**


61059

338 Howard Street • Brockton MA • 02302

 G.C. / OWNER
 JOB NAME
 JOB NUMBER
 PHYSICAL ADDRESS

Brait

DATE WORK PERFORMED

11-27-24

FORM COMPLETED BY

Ryan Keller

GC / OWNER ORDER #

IS WORK DESCRIBED ABOVE PART OF AN ALLOWANCE

Y

N

EQUIPMENT

TYPE OF EQUIPMENT	EQUIPMENT ID	HOURS
CAT 305 Excavator	E-23	4hrs

MATERIALS

DESCRIPTION	VENDOR	UNIT OF MEASURE	QUANTITY
Stone Dust	Newport	Ton	3 Ton

JDC LABOR

NAME	POSITION	REGULAR HOURS	O/T HOURS
Josh Keller	operator	4hrs	
Mike Marplani	Laborer	4hrs	

SUBCONTRACTOR LABOR

NAME	HOURS

DESCRIPTION OF WORK

Excavate and Back fill Electric site lighting trench in parking lot along Washington St.

GC Owner Signature

N Dooy

DATE

Print Name and Title

N Doony

TITLE

 Ryan Keller

ACCOUNTING SIGNED

Jake McDonough

From: T.J. Dahill
Sent: Tuesday, February 4, 2025 4:35 PM
To: Alexa Epp; Michele Rogers; tking@doreandwhittier.com; Christina Mulligan; suzanna.yeung@collierseng.com; mike.carroll@collierseng.com; cesar.collado@collierseng.com; Charlie Kanouff
Cc: Jake McDonough; Neil Dooney; Kelly Monaghan
Subject: RE: CMS PCO-054 Work Associated With Existing School Site Lighting

Following last week's meeting here is a narrative to go along with these costs:

On or about 11/23 Steve Dorrance notified Neil of an issue with the two of the existing site lights not coming on in the evening. Steve notes the safety concern and a need to address the situation asap. Brait and WJGE, began performing some investigatory work on 11/25. When Brait (J Derenzo and WJGE) performed utility work in the parking lot over the summer it was determined the lights in question were not fed from any circuits that were impacted during that work.

After consultation with town electrician who pointed out a previously unknown pull box in the parking lot, it was discovered the circuitry to the lights was impacted somewhere down the line of the pull box. The town electrician requested the wires in the pull box remain so as not to potentially impact any further circuits or lights. SO WJGE with assistance from JDC trenched from the pull box to the base of light poles and re-fed the circuit.

Any further information required please let me know. We expect this PCO to be included in CO-07 as it represents work completed in November at the request of the town.

Thx.
TJ

From: Alexa Epp <aepp@braitbuilders.com>
Sent: Monday, January 27, 2025 8:42 AM
To: Michele Rogers <mrogers@doreandwhittier.com>; tking@doreandwhittier.com; Christina Mulligan <christina.mulligan@collierseng.com>; suzanna.yeung@collierseng.com; mike.carroll@collierseng.com; cesar.collado@collierseng.com; Charlie Kanouff <charlie.kanouff@collierseng.com>
Cc: Jake McDonough <jmcdonough@braitbuilders.com>; Neil Dooney <ndooney@braitbuilders.com>; Kelly Monaghan <office@braitbuilders.com>; T.J. Dahill <tdahill@braitbuilders.com>
Subject: CMS PCO-054 Work Associated With Existing School Site Lighting

Good morning,
Please see CMS PCO-054 Work With Existing School Site Lighting attached for your review.

Thank you,
Alexa



Brait Builders Corporation | 57 Rockwood Road, Suite 3, Marshfield, MA 02050
P 781 837 6400 x 208 | F 781 837 6153 | aepp@braitbuilders.com

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.

058



Architect's Project No. **21-0818**

Subject: **Bluetooth Flush Valves**

PCO Issue Date: **2025.01.10**

PCO Reviewed: **2025.01.15**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design		Other	X	GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO finds the fee to be fair
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		Owner : accepted valves at no cost

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: c=US,
E=mrogers@doreandwhittier.com,
CN=Michele Barbaro-Rogers
Reason: I have reviewed this
document.
Date: 2025.01.17 12:00:36 -05'00'

X

Design Team Recommends Approval

Design Team **Does Not** Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield , MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-058

TITLE: Bluetooth Flush Valves

DATE: 01/10/2025

PROJECT: Dr. Albert B. Consentino Middle School

JOB: CSM-2024

TO: City of Haverhill
685 Washington Street
Haverhill, MA

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with Bluetooth Flush Valves.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	GPH (Zero Cost)	1	LS	\$0.00		\$0.00	\$0.00
2	Brait - OH&P - 5%	0	%	\$0.00		\$0.00	\$0.00
3	Brait - Bond - 2%	0	%	\$0.00		\$0.00	\$0.00

Lump Sum: \$0.00

Total: \$0.00

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: T.J. Dahill
T.J. Dahill

Date: 01-10-25

Owners Project Manager

By: _____

Date: 02-11-2025

Find costs to be fair and reasonable.
Recommend approval at this time.

Jake McDonough

From: Tara King <tking@DoreandWhittier.com>
Sent: Thursday, January 9, 2025 8:36 AM
To: Jake McDonough
Cc: Michele Rogers; T.J. Dahill; Charlie Kanouff; cesar.collado@collierseng.com
Subject: RE: Consentino flush valves

Thank you for confirming.

Tara King
DORE + WHITTIER
(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>
Sent: Wednesday, January 8, 2025 3:09 PM
To: Tara King <tking@DoreandWhittier.com>
Cc: Michele Rogers <mrogers@DoreandWhittier.com>; tdahill@braitbuilders.com; Charlie Kanouff <charlie.kanouff@collierseng.com>; cesar.collado@collierseng.com
Subject: RE: Consentino flush valves

This is the response I got back from Grasseschi:

Jake,

That was one of the comments on the American standard model that was originally submitted. We resubmitted the specified TOTO model since the American standard model did not meet the original specifications and the 2nd comment for the P-1 & P-1A's that the water closet was to be self powered. There are no other manufacturers that make a model that does this. The TOTO model is hydropowered "self powered" and there is a battery for backup. The resubmitted water closet flushometer TOTO model was approved.

Let us know if you have additional questions.

Thanks,

Jake McDonough | *Assistant Project Manager*



Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>
Sent: Wednesday, January 8, 2025 1:48 PM
To: Jake McDonough <jmcdonough@braitbuilders.com>
Cc: Michele Rogers <mrogers@DoreandWhittier.com>; T.J. Dahill <tdahill@braitbuilders.com>; Charlie Kanouff

<charlie.kanouff@collierseng.com>; cesar.collado@collierseng.com

Subject: RE: Consentino flush valves

All,

I read the email from the plumbing contractor – it was our understanding the systems were to be hard wired, as noted on the returned submittal 22 40 00 - 001 Plumbing Fixtures-RR. Are these items not the same? The owner did not want to rely on batteries for the systems.

Thank you,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Wednesday, January 8, 2025 1:13 PM

To: Tara King <tking@DoreandWhittier.com>

Cc: Michele Rogers <mrogers@DoreandWhittier.com>; tdahill@braitbuilders.com

Subject: RE: Consentino flush valves

Hey Tara,

Sounds good. Attached above is additional information I just got sent to me from Grasseshchi/TOTO if you would like to share with Steve.

Thanks,

Jake McDonough | *Assistant Project Manager*



Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>

Sent: Wednesday, January 8, 2025 9:47 AM

To: Jake McDonough <jmcdonough@braitbuilders.com>

Cc: Michele Rogers <mrogers@DoreandWhittier.com>

Subject: RE: Consentino flush valves

Jake,

Per attached email from the Owner and OPM, the upgrade is acceptable. A no cost PCO shall be provided for their records.

Thanks,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Monday, January 6, 2025 7:58 AM

To: Tara King <tking@DoreandWhittier.com>

Subject: RE: Consentino flush valves

Great thanks Tara

Jake McDonough | *Assistant Project Manager*



BRAIT BUILDERS
CORPORATION

Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>

Sent: Friday, January 3, 2025 3:52 PM

To: Jake McDonough <jmcdonough@braitbuilders.com>

Subject: RE: Consentino flush valves

Jake,

I believe this would require a discussion with Steve and the OPM. We will share this with the others and follow up.

Thanks,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Friday, January 3, 2025 2:40 PM

To: Tara King <tking@DoreandWhittier.com>

Subject: FW: Consentino flush valves

Hey Tara,

[illegible]

Bob Moore
F W Webb Co
98 Lindbergh Ave
Methuen Ma 01844
Tel 781-325-7117
Fax 781-325-7051
rcm@fwwebb.com



**PROUD
SPONSOR**

SECTION 01 30 01
REQUEST FOR INTERPRETATION FORM
CONSENTINO MIDDLE SCHOOL - #21-0818

TO: Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950 Attn: Tara King	FROM: Brait Builders Reply Requested by: Jake McDonough	RFI #: RFI - 184 Issue Date: 01/27/25
RFI DESCRIPTION (Indicate origin of RFI, and summarize the question or type of information required): Please advise if you want to upgrade the urinal flush valves at no additional cost.		
REFERENCES (List relevant Drawings or Specification sections and paragraphs): 		
SENDER'S RECOMMENDATION (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.) 		
DESIGNER'S RESPONSE:		

Owner accepted valves on 1/7/2025

Tara King

From: Stephen Dorrance <stephen.dorrance@haverhill-ps.org>
Sent: Tuesday, January 7, 2025 10:29 AM
To: Tara King
Cc: Christina Mulligan; Suzanna Yeung; Charlie Kanouff; cesar.collado@collierseng.com; Michele Rogers; khatra@akalengineering.com; james@akalengineering.com
Subject: Re: [EXTERNAL EMAIL] FW: Consentino flush valves

Tara,

I'd be happy to take the valves at no charge.

Sincerely,

Stephen Dorrance

Director, Facilities

“The World Is Changed By Your Actions Not By Your Opinions.”

Attribution to Paulo Coelho

On Fri, Jan 3, 2025 at 3:52 PM Tara King <tking@doreandwhittier.com> wrote:

Steve,

Please see email below from the plumbing contractor. Can you please review the proposal and let the design team know which direction is preferred?

Thanks,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>
Sent: Friday, January 3, 2025 2:40 PM
To: Tara King <tking@DoreandWhittier.com>
Subject: FW: Consentino flush valves

Hey Tara,

Please see email below from Grasseschi and advise if you would like to proceed with this.

Thanks,

Jake McDonough | *Assistant Project Manager*



Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050

C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Ashley Dupre <adupre@grasseschi.com>
Sent: Friday, January 3, 2025 2:38 PM
To: Jake McDonough <jmcdonough@braitbuilders.com>
Cc: T.J. Dahill <tdahill@braitbuilders.com>; Scott LaFlash <slaflash@grasseschi.com>
Subject: FW: Consentino flush valves

Jake,

We've ordered all the finish for Consentino and received the below comment from our vendor.

and we will move forward. They don't have to use the technology, but if they ever decide that they want to, then the urinal flush valves will be set up for it

[illegible]

Thank you,

Bob Moore

F W Webb Co

98 Lindbergh Ave

Methuen Ma 01844

Tel 781-325-7117

Fax 781-325-7051

rcm@fwwebb.com



F.W. WEBB COMPANY



Jake McDonough

From: Tara King <tking@DoreandWhittier.com>
Sent: Thursday, January 9, 2025 8:36 AM
To: Jake McDonough
Cc: Michele Rogers; T.J. Dahill; Charlie Kanouff; cesar.collado@collierseng.com
Subject: RE: Consentino flush valves

Thank you for confirming.

Tara King
DORE + WHITTIER
(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>
Sent: Wednesday, January 8, 2025 3:09 PM
To: Tara King <tking@DoreandWhittier.com>
Cc: Michele Rogers <mrogers@DoreandWhittier.com>; tdahill@braitbuilders.com; Charlie Kanouff <charlie.kanouff@collierseng.com>; cesar.collado@collierseng.com
Subject: RE: Consentino flush valves

This is the response I got back from Grasseschi:

Jake,

That was one of the comments on the American standard model that was originally submitted. We resubmitted the specified TOTO model since the American standard model did not meet the original specifications and the 2nd comment for the P-1 & P-1A's that the water closet was to be self powered. There are no other manufacturers that make a model that does this. The TOTO model is hydropowered "self powered" and there is a battery for backup. The resubmitted water closet flushometer TOTO model was approved.

Let us know if you have additional questions.

Thanks,

Jake McDonough | *Assistant Project Manager*



Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>
Sent: Wednesday, January 8, 2025 1:48 PM
To: Jake McDonough <jmcdonough@braitbuilders.com>
Cc: Michele Rogers <mrogers@DoreandWhittier.com>; T.J. Dahill <tdahill@braitbuilders.com>; Charlie Kanouff

<charlie.kanouff@collierseng.com>; cesar.collado@collierseng.com

Subject: RE: Consentino flush valves

All,

I read the email from the plumbing contractor – it was our understanding the systems were to be hard wired, as noted on the returned submittal 22 40 00 - 001 Plumbing Fixtures-RR. Are these items not the same? The owner did not want to rely on batteries for the systems.

Thank you,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Wednesday, January 8, 2025 1:13 PM

To: Tara King <tking@DoreandWhittier.com>

Cc: Michele Rogers <mrogers@DoreandWhittier.com>; tdahill@braitbuilders.com

Subject: RE: Consentino flush valves

Hey Tara,

Sounds good. Attached above is additional information I just got sent to me from Grasseshchi/TOTO if you would like to share with Steve.

Thanks,

Jake McDonough | *Assistant Project Manager*



Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>

Sent: Wednesday, January 8, 2025 9:47 AM

To: Jake McDonough <jmcdonough@braitbuilders.com>

Cc: Michele Rogers <mrogers@DoreandWhittier.com>

Subject: RE: Consentino flush valves

Jake,

Per attached email from the Owner and OPM, the upgrade is acceptable. A no cost PCO shall be provided for their records.

Thanks,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Monday, January 6, 2025 7:58 AM

To: Tara King <tking@DoreandWhittier.com>

Subject: RE: Consentino flush valves

Great thanks Tara

Jake McDonough | *Assistant Project Manager*



BRAIT BUILDERS
CORPORATION

Brait Builders Corporation | 57 Rockwood Rd Suite 3, Marshfield, MA 02050
C 339 793 1235 | P 781 837 6400 | F 781 837 6153 | jmcdonough@braitbuilders.com

From: Tara King <tking@DoreandWhittier.com>

Sent: Friday, January 3, 2025 3:52 PM

To: Jake McDonough <jmcdonough@braitbuilders.com>

Subject: RE: Consentino flush valves

Jake,

I believe this would require a discussion with Steve and the OPM. We will share this with the others and follow up.

Thanks,

Tara King

DORE + WHITTIER

(802) 863-1428

From: Jake McDonough <jmcdonough@braitbuilders.com>

Sent: Friday, January 3, 2025 2:40 PM

To: Tara King <tking@DoreandWhittier.com>

Subject: FW: Consentino flush valves

Hey Tara,

[illegible]

Bob Moore
F W Webb Co
98 Lindbergh Ave
Methuen Ma 01844
Tel 781-325-7117
Fax 781-325-7051
rcm@fwwebb.com



PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School**

PCO No.

059



Architect's Project No. **21-0818**

Subject: **Panic Button Location
PR-43 R1**

PCO Issue Date: **2025.02.10**

PCO Reviewed: **2025.02.11**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner	X	Town/AHJ/Other		Unforeseen	
Design		Other		GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO and finds this no cost fee to be fair and reasonable
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
			Structural:		
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
X			Building Security:	EdVance	Reviewed
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: C=US,
E=mrogers@doreandwhittier.com,
CN=Michele Barbaro-Rogers
Reason: I have reviewed this
document
Date: 2025.02.11 09:49:16-05'00'

X

Design Team Recommends Approval

Design Team **Does Not** Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield, MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-059

TITLE: PR-43R1 Panic Button

DATE: 02/10/2025

PROJECT: Dr. Albert B. Consentino Middle
School

JOB: CSM-2024

TO: City of Haverhill
685 Washington Street
Haverhill, MA

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for PR-43R1 Panic Button.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	WJGEI (Zero Cost)	1	LS	\$0.00		\$0.00	\$0.00
2	Brait - OH&P - 5%	0	%	\$0.00		\$0.00	\$0.00
3	Brait - Bond - 2%	0	%	\$0.00		\$0.00	\$0.00

Lump Sum: \$0.00

Total: \$0.00

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: T.J. Dahill
T.J. Dahill

Date: 2-10-25

Owners Project Manager

By: _____

Date: 02-12-2025

Fair and reasonable, recommend approval at this time.



February 6, 2025

VIA EMAIL ONLY: tdahill@braitbuilders.com

Mr. T.J. Dahill, Project Executive
Brait Builders Corporation
57 Rockwood Road, Suite 3
Marshfield, MA 02050

RE: Job #2949 - Consentino Middle School – Telecom, Haverhill, MA
No Cost Letter – PR-43R1

Dear Mr. Dahill:

We have reviewed the above-referenced documents and have concluded the following:

1. Based on the information provided, the breaker changes are no additional cost to the project.
2. All additional work required to be performed by other trades will be coordinated around existing and contract required electrical work. If any electrical revisions are required to do this coordination, Wayne J. Griffin Electric, Inc. must be notified and will evaluate any impacts.
3. Should this change affect the critical path or final completion of the project, it is requested that we be advised so we can evaluate its impact on our field and home office costs. We reserve our right to claim for any impact on cost or time that this change, to be accomplished by others, might have on our ability to complete our work within the original contract time for the completion of the overall project.

Corporate Headquarters:
116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:
296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

2395 Pleasantdale Road
Suite 14
Doraville, GA 30340
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

If you should have any questions, please contact me at your convenience.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Charles M. Cunha
Sr Project Manager – Telecom

CMC/bhd

Enclosure

cc: Michael Brait, Owner, Brait Builders Corporation, mbrait@braitbuilders.com
Jake McDonough, Assistant Project Manager, Brait Builders Corporation,
jmcdonough@braitbuilders.com
Neil Dooney, Superintendent, Brait Builders Corporation, ndooney@braitbuilders.com
Tom Donahue, Project Executive, Wayne J. Griffin Electric, Inc.
Richard Tredgett, Project Manager, Wayne J. Griffin Electric, Inc.
Chris Deschenes, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Victor Vargas, Assistant Project Manager, Wayne J. Griffin Electric, Inc.
Eric McCrary, Project Engineer - Telecom, Wayne J. Griffin Electric, Inc.
Alex L'Homme, Project Foreman, Wayne J. Griffin Electric, Inc.
Ed Smith, Project Foreman - Telecom, Wayne J. Griffin Electric, Inc.
Jacklyn McPherson, Project Administrator, Wayne J. Griffin Electric, Inc.

PROPOSAL REQUEST

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Owner | <input type="checkbox"/> Civil | <input type="checkbox"/> FF&E |
| <input checked="" type="checkbox"/> Architect | <input type="checkbox"/> Landscape | <input type="checkbox"/> Sustainability |
| <input checked="" type="checkbox"/> Contractor | <input type="checkbox"/> Geotech | <input type="checkbox"/> Acoustics |
| <input checked="" type="checkbox"/> O.P.M | <input type="checkbox"/> Structural | <input checked="" type="checkbox"/> Technology |
| <input type="checkbox"/> CX Agent | <input checked="" type="checkbox"/> MEP-FP | <input type="checkbox"/> Other |



Project Name:	Haverhill Consentino Middle School	PR No.	43R1
Architect's Project No.	21-0818		
Owner:	City of Haverhill 4 Summer Street Haverhill, MA 01830	Architect:	DORE + WHITTIER 260 Merrimac St, Bldg 7, Newburyport, MA 01950
To:	Brait Builders Corporation 57 Rockwood Road Marshfield, MA 02050	Contract Date	4/1/2024
		Issue Date:	2/5/2025
Attention:	TJ Dahill	Subject:	Panic Button

Please submit an itemized quotation for changes in the Contract Sum and/ or Time incidental to proposed modifications to the Contract documents described herein.

THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

In discussion with the Owner, on sheet T1.14, Level 1 – Area D Technology, **remove** PB located in Gym 1054. **Proposed gym panic button shall be relocated to General office 1003. There will be (2) PB's within 1003.**

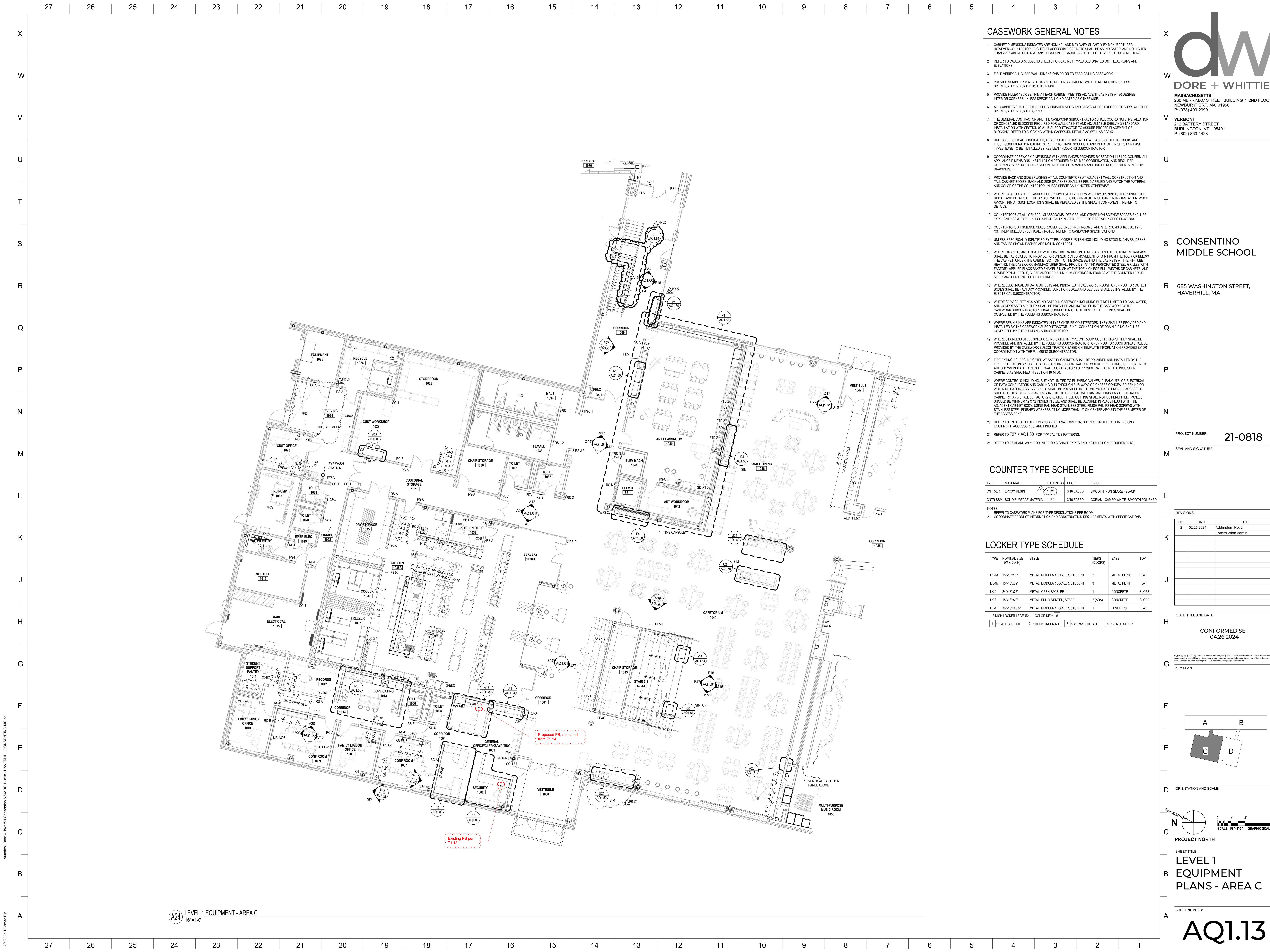
Casework sheet AQ1.13 provided for reference only. GC to coordinate with all related trades.

AQ1.13

Issued by

DORE + WHITTIER
Tara King

Copy: File, EdVance



CASEWORK GENERAL NOTES

- CABINET DIMENSIONS INDICATED ARE NOMINAL AND MAY VARY SLIGHTLY BY MANUFACTURER. HOWEVER COUNTERTOP HEIGHTS AT ACCESSIBLE CABINETS SHALL BE AS INDICATED, AND NO HIGHER THAN 2'-10" ABOVE FLOOR AT ANY LOCATION, REGARDLESS OF 'OUT OF LEVEL' FLOOR CONDITIONS.
- REFER TO CASEWORK LEGEND SHEETS FOR CABINET TYPES DESIGNATED ON THESE PLANS AND ELEVATIONS.
- FIELD VERIFY ALL CLEAR WALL DIMENSIONS PRIOR TO FABRICATING CASEWORK.
- PROVIDE SCRIBE TRIM AT ALL CABINETS MEETING ADJACENT WALL CONSTRUCTION UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- PROVIDE FILLER / SCRIBE TRIM AT EACH CABINET MEETING ADJACENT CABINETS AT 90 DEGREE INTERIOR CORNERS UNLESS SPECIFICALLY INDICATED AS OTHERWISE.
- ALL CABINETS SHALL FEATURE FULLY FINISHED SIDES AND BACKS WHERE EXPOSED TO VIEW, WHETHER SPECIFICALLY INDICATED OR NOT.
- THE GENERAL CONTRACTOR AND THE CASEWORK SUBCONTRACTOR SHALL COORDINATE INSTALLATION OF CONCEALED BLOCKING REQUIRED FOR WALL CABINET AND ADJUSTABLE SHELVING STANDARD INSTALLATION WITH SECTION 05 21 16 SUBCONTRACTOR TO ASSURE PROPER PLACEMENT OF BLOCKING. REFER TO BLOCKING WITHIN CASEWORK DETAILS AS WELL AS AGO.02
- UNLESS SPECIFICALLY INDICATED, A BASE SHALL BE INSTALLED AT BASES OF ALL TOE KICKS AND FLUSH-CONFIGURATION CABINETS. REFER TO FINISH SCHEDULE AND INDEX OF FINISHES FOR BASE TYPES. BASES TO BE INSTALLED BY RESILIENT FLOORING SUBCONTRACTOR.
- COORDINATE CASEWORK DIMENSIONS WITH APPLIANCES PROVIDED BY SECTION 11 31 00. CONFIRM ALL APPLIANCE DIMENSIONS, INSTALLATION REQUIREMENTS, MEP COORDINATION, AND REQUIRED CLEARANCES PRIOR TO FABRICATION. INDICATE CLEARANCES AND UNIQUE REQUIREMENTS IN SHOP DRAWINGS.
- PROVIDE BACK AND SIDE SPLASHES AT ALL COUNTERTOPS AT ADJACENT WALL CONSTRUCTION AND TALL CABINET BODIES. BACK AND SIDE SPLASHES SHALL BE FIELD APPLIED AND MATCH THE MATERIAL AND COLOR OF THE COUNTERTOP UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHERE BACK OR SIDE SPLASHES OCCUR IMMEDIATELY BELOW WINDOW OPENINGS, COORDINATE THE HEIGHT AND DETAILS OF THE SPLASH WITH THE SECTION 06 20 00 FINISH CARPENTRY INSTALLER. WOOD APRON TRIM AT SUCH LOCATIONS SHALL BE REPLACED BY THE SPLASH COMPONENT. REFER TO DETAILS.
- COUNTERTOPS AT ALL GENERAL CLASSROOMS, OFFICES, AND OTHER NON-SCIENCE SPACES SHALL BE TYPE 'CNTR-SSM' TYPE UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- COUNTERTOPS AT SCIENCE CLASSROOMS, SCIENCE PREP ROOMS, AND STE ROOMS SHALL BE TYPE 'CNTR-ER' UNLESS SPECIFICALLY NOTED. REFER TO CASEWORK SPECIFICATIONS.
- UNLESS SPECIFICALLY IDENTIFIED BY TYPE, LOOSE FURNISHINGS INCLUDING STOOLS, CHAIRS, DESKS AND TABLES SHOWN DASHED ARE NOT IN CONTRACT.
- WHERE CABINETS ARE LOCATED WITH FIN-TUBE RADIATION HEATING BEHIND, THE CABINETS CARCASS SHALL BE FABRICATED TO PROVIDE FOR UNRESTRICTED MOVEMENT OF AIR FROM THE TOE KICK BELOW THE CABINET, UNDER THE CABINET BOTTOM, TO THE SPACE BEHIND THE CABINETS AT THE FIN-TUBE HEATING. THE CASEWORK MANUFACTURER SHALL PROVIDE 1/8" THK PERFORATED STEEL GRATES WITH FACTORY-APPLIED BLACK BAKED ENAMEL FINISH AT THE TOE KICK FOR FULL WIDTHS OF CABINETS, AND 4" WIDE FINCL-PROOF, CLEAR ANODIZED ALUMINUM GRATINGS IN FRAMES AT THE COUNTER LEDGE. SEE PLANS FOR LENGTHS OF GRATINGS.
- WHERE ELECTRICAL OR DATA OUTLETS ARE INDICATED IN CASEWORK, ROUGH OPENINGS FOR OUTLET BOXES SHALL BE FACTORY PROVIDED. JUNCTION BOXES AND DEVICES SHALL BE INSTALLED BY THE ELECTRICAL SUBCONTRACTOR.
- WHERE SERVICE FITTINGS ARE INDICATED IN CASEWORK INCLUDING BUT NOT LIMITED TO GAS, WATER, AND COMPRESSED AIR, THEY SHALL BE PROVIDED AND INSTALLED IN THE CASEWORK BY THE CASEWORK SUBCONTRACTOR. FINAL CONNECTION OF UTILITIES TO THE FITTINGS SHALL BE COMPLETED BY THE PLUMBING SUBCONTRACTOR.
- WHERE RESIN SINKS ARE INDICATED IN TYPE 'CNTR-SSM' COUNTERTOPS, THEY SHALL BE PROVIDED AND INSTALLED BY THE CASEWORK SUBCONTRACTOR. FINAL CONNECTION OF DRAIN PIPING SHALL BE COMPLETED BY THE PLUMBING SUBCONTRACTOR.
- WHERE STAINLESS STEEL SINKS ARE INDICATED IN TYPE 'CNTR-SSM' COUNTERTOPS, THEY SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING SUBCONTRACTOR. OPENINGS FOR SUCH SINKS SHALL BE PROVIDED BY THE CASEWORK SUBCONTRACTOR BASED ON TEMPLATE INFORMATION PROVIDED BY OR COORDINATION WITH THE PLUMBING SUBCONTRACTOR.
- FIRE EXTINGUISHERS INDICATED AT SAFETY CABINETS SHALL BE PROVIDED AND INSTALLED BY THE FIRE PROTECTION SPECIALTIES (DIVISION 10) SUBCONTRACTOR. WHERE FIRE EXTINGUISHER CABINETS ARE SHOWN INSTALLED RATED WALL CONTRACTOR TO PROVIDE RATED FIRE EXTINGUISHER CABINETS AS SPECIFIED IN SECTION 10.44.00.
- WHERE CONTROLS INCLUDING, BUT NOT LIMITED TO PLUMBING VALVES, CLEANOUTS, OR ELECTRICAL OR DATA CONDUCTORS AND CABLEING RUN THROUGH BUSWAYS OR CHASES CONCEALED BEHIND OR WITHIN MILLWORK, ACCESS PANELS SHALL BE PROVIDED IN THE MILLWORK TO PROVIDE ACCESS TO SUCH UTILITIES. ACCESS PANELS SHALL BE OF THE SAME MATERIAL AND FINISH AS THE ADJACENT CABINETRY AND SHALL BE FACTORY CREATED. FIELD CUTTING SHALL NOT BE PERMITTED. PANELS SHOULD BE MINIMUM 12 X 12 INCHES IN SIZE, AND SHALL BE SECURED IN PLACE FLUSH WITH THE ADJACENT CABINET BODY. USING PAN HEAD STAINLESS STEEL FINISH PHILIPS HEAD SCREWS WITH STAINLESS STEEL FINISHED WASHERS AT NO MORE THAN 12" ON CENTER AROUND THE PERIMETER OF THE ACCESS PANEL.
- REFER TO ENLARGED TOILET PLANS AND ELEVATIONS FOR, BUT NOT LIMITED TO, DIMENSIONS, EQUIPMENT, ACCESSORIES, AND FINISHES.
- REFER TO T27 / AQ1.60 FOR TYPICAL TILE PATTERNS.
- REFER TO A8.01 AND A8.51 FOR INTERIOR SIGNAGE TYPES AND INSTALLATION REQUIREMENTS.

COUNTER TYPE SCHEDULE

TYPE	MATERIAL	THICKNESS	EDGE	FINISH
CNTR-ER	EPOXY RESIN	1 1/4"	3/16 EASED	SMOOTH, NON GLARE - BLACK
CNTR-SSM	SOLID SURFACE MATERIAL	1 1/4"	3/16 EASED	CORIAN - CAMEO WHITE - SMOOTH POLISHED

- NOTES:
- REFER TO CASEWORK PLANS FOR TYPE DESIGNATIONS PER ROOM
 - COORDINATE PRODUCT INFORMATION AND CONSTRUCTION REQUIREMENTS WITH SPECIFICATIONS

LOCKER TYPE SCHEDULE

TYPE	NOMINAL SIZE (W X D X H)	STYLE	TIER (DOORS)	BASE	TOP
LK-1a	15'x18'x68"	METAL MODULAR LOCKER, STUDENT	2	METAL PLINTH	FLAT
LK-1b	15'x18'x68"	METAL MODULAR LOCKER, STUDENT	3	METAL PLINTH	FLAT
LK-2	24'x18'x72"	METAL OPEN FACE, PE	1	CONCRETE	SLOPE
LK-3	18'x18'x72"	METAL FULLY VENTED, STAFF	2 (ADA)	CONCRETE	SLOPE
LK-4	36'x18'x40.5"	METAL MODULAR LOCKER, STUDENT	1	LEVELERS	FLAT

FINISH LOCKER LEGEND: 1 SLATE BLUE MT 2 DEEP GREEN MT 3 741 RAYO DE SOL 4 706 HEATHER

COLOR KEY: #

dw
DORE + WHITTIER
MASSACHUSETTS
280 MERRIMAC STREET BUILDING 7, 2ND FLOOR
NEWBLEYPORT, MA 01950
P: (978) 499-2999

VERMONT
212 BATTERY STREET
BURLINGTON, VT 05401
P: (802) 863-1428

CONSENTINO
MIDDLE SCHOOL

685 WASHINGTON STREET,
HAVERHILL, MA

PROJECT NUMBER: 21-0818

SEAL AND SIGNATURE:

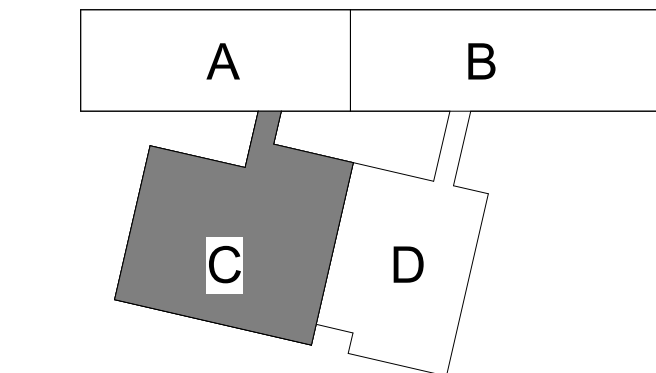
REVISIONS:

NO.	DATE	ADDENDUM NO.	TITLE
2	02.26.2024	2	Construction Admin

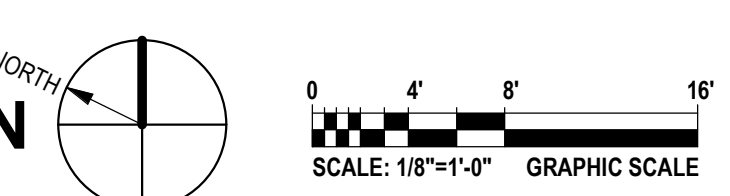
ISSUE TITLE AND DATE:

CONFORMED SET
04.26.2024

KEY PLAN



ORIENTATION AND SCALE:



SHEET TITLE:
**LEVEL 1
EQUIPMENT
PLANS - AREA C**

SHEET NUMBER:

AQ1.13

PCO REVIEW FORM

Project Name: **Haverhill Consentino Middle School** PCO No.



Architect's Project No. **21-0818**

Subject: **Beam Penetrations Per RFI 121** PCO Issue Date: **2025.02.07**
PCO Reviewed: **2025.02.07**

The following is a summary of the Design Team review of the above referenced Proposed Change Order (PCO). Refer to summary below *and* attached comments. Acceptance of this PCO – or partial acceptance – shall not constitute a change to the construction contract or a directive to proceed with the work. PCO review is only a recommendation to the Owner regarding the validity and cost of the proposed PCO. Final approval shall be by the Owner per contract.

CATEGORY					
Elective / Owner		Town/AHJ/Other		Unforeseen	
Design		Other	X	GC Expenditure	

PCO shall be reviewed by each consultant with relevant work included:

Reviewed	Revise	Rejected	Consultant:	Reviewer:	Comments:
X			Architectural:	T. King / M. Rogers	D+W has reviewed the attached PCO finds the fee to be fair
			Site/Civil:		
			Traffic:		
			Geotechnical:		
			Landscape:		
			Wetlands:		
			Haz Materials:		
X			Structural:	EDG / TH	Reviewed and recommended for approval
			Acoustical:		
			Foodservice:		
			Fire Protection:		
			Plumbing:		
			HVAC:		
			Electrical:		
			Lighting:		
			Telecomm:		
			Building Security:		
			Audio-Visual:		
			Theatrical:		
			Door Hardware:		
			Sustainability		
			Other:		

Michele Barbaro-Rogers

Michele Barbaro-Rogers

Digitally signed by Michele
Barbaro-Rogers
DN: G-US,
E=mrogers@doreandwhittier.com,
CN=Michele Barbaro-Rogers
Reason: I have reviewed this
document
Date: 2025.02.07 13:30:35 -0500

X	Design Team Recommends Approval
	Design Team Does Not Recommend Approval

Brait Builders Corp.

57 Rockwood Road
Suite 3
Marshfield , MA 02050

Phone: (781) 837-6400
Fax: (781) 837-6153

PROPOSED CHANGE ORDER

No. CMS-063

TITLE: Beam Penetrations Per RFI 121

DATE: 02/07/2025

PROJECT: Dr. Albert B. Consentino Middle School

JOB: CSM-2024

TO: City of Haverhill
685 Washington Street
Haverhill, MA

CONTRACT NO:

DESCRIPTION OF CHANGE

Costs associated with the attached for Beam Penetrations Per RFI 121.

Item	Description	Quantity	Units	Unit Price	Labor Burden	Burden Amount	Net Amount
1	Norgate NOC#9	1	LS	\$1,458.60		\$0.00	\$1,458.60
2	Brait - OH&P - 5%	0	%	\$1,458.60		\$0.00	\$72.93
3	Brait - Bond - 2%	0	%	\$1,531.53		\$0.00	\$30.63

Lump Sum: \$1,562.16

Total: \$1,562.16

Dore & Whittier

By: _____

Date: _____

City of Haverhill

By: _____

Date: 2/25/25

Brait Builders

By: T.J. Dahill

T.J. Dahill

Date: 2-7-25

Owners Project Manager

By: _____

Date: 2-7-2025

Fair and reasonable, recommend approval at this time

**NORGATE**

791 8e Rue Est, La Guadeloupe (Qc) G0M 1G0

NOTIFICATION OF CHANGES

NOC No: <u>9</u>	Date of request: <u>Feb-05-2025</u>	response required by: <u>Feb-12-2025</u>
Contractor: <u>Brait Builders</u>		Project's name: <u>Consentino Middle School</u>
To: <u>TJ Dahill</u>		
From: <u>Etienne Morin</u>		Phone: <u>418-313-7180</u> Fax: <u></u>
Ref. Document: <u>Added beam pens per Brait RFI-121 response</u>		Attachments: <u>Unit cost table</u>

Description: Hereby costs associated with the (2) new beam penetrations required per project RFI-121 response.

Steel:	W shape 0 lbs 1.10 \$ \$/lbs L& C 0 lbs 1.45 \$ \$/lbs Plate 0 lbs 1.75 \$ \$/lbs HSS 3/4" to 12" 0 lbs 1.75 \$ \$/lbs HSS 14" and + 0 lbs 2.15 \$ \$/lbs Bolts 0 qty 2.90 \$ \$/ea galvanized 0 lbs 0.55 \$ \$/lbs Standard primer 0 lbs 0.15 \$ \$/lbs Unit price 0 qty 3 800.00 \$ \$/each Unit price 2 qty 650.00 \$ \$/each	0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 0.00 \$ 1 300.00 \$	
Deck:		0.00 \$ sub-total 1 300.00 \$ 0% 0.00 \$ sub-total 1 300.00 \$ Admin & Profit 10% 130.00 \$ sub-total 1 430.00 \$ TAXES: 0.00% 0.00 \$ sub-total (material) 1 430.00 \$	
Project manager:	0 hr 135.00 \$ \$/hr	0.00 \$	
Drawings:	0 hr 115.00 \$ \$/hr	0.00 \$	
Engineering:	0 hr 175.00 \$ \$/hr	0.00 \$	
Fabrication & handling :	0 hr 135.00 \$ \$/hr	0.00 \$	
Transport: <u>N/A</u>		0.00 \$	
		sub-total 0.00 \$ 0% 0.00 \$ sub-total 0.00 \$ Admin & Profit 10% 0.00 \$ sub-total 0.00 \$ sub-total (workforce) 0.00 \$	
Erection:		0.00 \$ 0% 0.00 \$ sub-total 0.00 \$ Admin & profit 10% 0.00 \$ sub-total 0.00 \$ sub-total (erection) 0.00 \$	
		Bond: Insurances: 2% 28.60 \$	
Total		1 458.60 \$	

Impact on the global delivery schedule: 0 days Feb-12-2025



NORGATE

791 8th St, La Guadeloupe
QC, Canada, G0M 1G0, Tel: 418-459-6988, Fax: 418-459-3493

FOR ADDITIONAL BEAM PENETRATION - UNIT PRICE TABLE

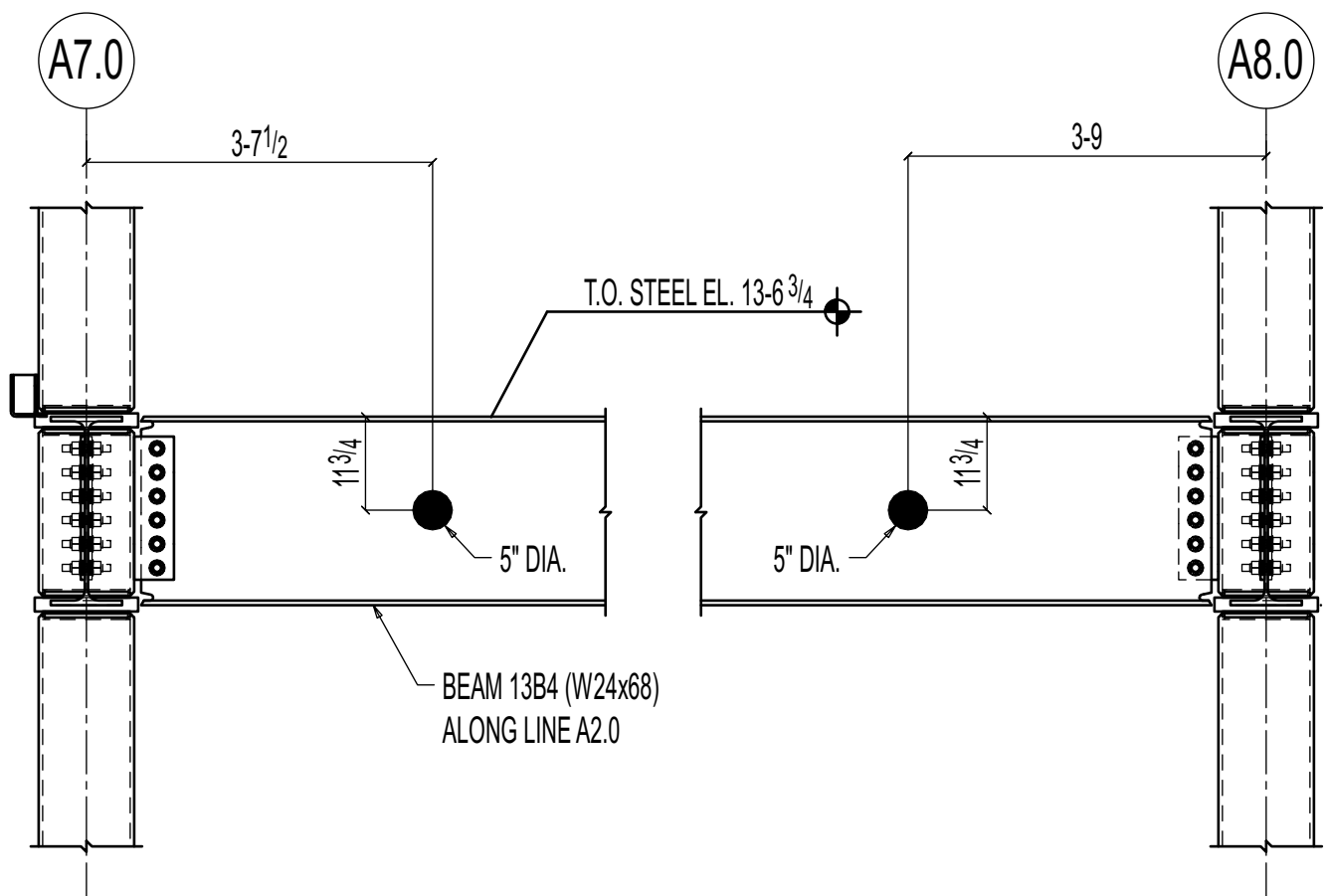
Field prices are valid for a maximum of 3 stories building

TYPE	SHOP	FIELD UNDERNEATH - NO REMOB	FIELD UNDERNEATH WITH REMOB	DETAIL
	TO COORDINATE DURING SHOP DRAWINGS PROCESS AND FAB IN SHOP (INCLUDE: DETAILING, MATERIAL AND FABRICATION)	TO BE MADE UNDERNEATH WHILE ON SITE (INCLUDE: DETAILING, MATERIAL, FABRICATION AND INSTALLATION)	TO BE MADE UNDERNEATH + REMOB (INCLUDE: DETAILING, MATERIAL, FABRICATION AND INSTALLATION)	Field holes will be torch cutting
N-1	\$125	\$650	\$650 + REMOB	<p>No Reinforcement</p>
N-2	\$350	\$1000	\$1000 + REMOB	<p>Hole with Sleeve or Plate</p>
N-3	\$450	\$3 200	\$3 200 + REMOB	<p>Hole with Stiffeners or Angles</p>
N-4	\$650	\$3 800	\$3 800 + REMOB	<p>Rectangular with Stiffeners or Angles</p>
N-5	\$1050	\$5 150	\$5 150 + REMOB	<p>Hole with Stiffeners Hor & Vert</p>
N-6	\$1 500	\$6 200	\$6 200 + REMOB	<p>Rectangular with Stiffeners Hor & Vert</p>

THE UNIT COST FOR REMOB WILL BE SUBMITTED WHEN THE STEEL ERECTOR WILL BE SELECTED.

REVISION 0





FIELD WORK NOTE:

1- FIELD DRILL HOLE AS SHOWN
(DO NOT FLAME CUT)

DRAWN	DSOL	CHECK	JP	HOLES	13/16 UNO
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		NORGATE		791 8ieme Rue Est La Guadeloupe, Qc P:418.459.6988 F:418.459.3493	
PROJECT		CONSENTINO MIDDLE SCHOOL HAVERHILL, MA			
PRJ No	S24-859	FW-06 (13B4)			



Brait Builders Corporation
57 Rockwood Rd, Suite 3
Marshfield, Massachusetts 02050
P: +17818376400

Project: CMS Haverhill Middle School
685 Washington Street
Haverhill , Massachusetts 01830

RFI #121: CMS - RFI 121 - GMC RFI - 07 Request For Beam Penetrations

Status	Open		
To	Tara King (Dore and Whittier) Heather Gratton (Dore and Whittier)	From	Jake McDonough (Brait Builders Corporation)
Date Initiated	Aug 30, 2024	Due Date	Sep 30, 2024
Location	Project Stage		
Cost Impact	Schedule Impact		
Spec Section	Cost Code		
Drawing Number	Reference		
Linked Drawings			
Received From	Thomas Beauregard (General Mechanical Contractors, Inc.)		
Copies To	TJ Dahill (Brait Builders Corporation), Neil Dooney (Brait Builders Corporation), Heather Gratton (Dore and Whittier), Tara King (Dore and Whittier), Don Walter (Dore and Whittier)		

Activity

Question	<p>Question from Jake McDonough Brait Builders Corporation on Friday, Aug 30, 2024 at 09:59 AM EDT</p> <p>Above Rooms 1098 and 1100, Condensate lines from HPUE 1-7, 1-8, and 1-9 require (2) 5" diameter beam penetrations through structure along grid 2.0 between A7.0 and A8.0. See attached for reference, please confirm or advise otherwise.</p> <p>Attachments CMS - RFI 121 - GMC RFI - 07 Request For Beam Penetrations.pdf</p>
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Awaiting an Official Response

EDG:

Penetrations as shown are acceptable. Holes to be drilled and not flame cut, unless they are cut in the shop.

Tim Hill - 09/04/2024

CONSENTINO MIDDLE SCHOOL - #21-0818

TO:	FROM:	RFI #:
Dore & Whittier Architects Inc. 260 Merrimac St., Bldg.7 Newburyport, MA 01950	Brait Builders	RFI - 121
Attn: Tara King	Reply Requested by: Jake McDonough	Issue Date: 08/30/24
RFI DESCRIPTION (Indicate origin of RFI, and summarize the question or type of information required): Above Rooms 1098 and 1100, Condensate lines from HPUe 1-7, 1-8, and 1-9 require (2) 5" diameter beam penetrations through structure along grid 2.0 between A7.0 and A8.0. See attached for reference, please confirm or advise otherwise.		
REFERENCES (List relevant Drawings or Specification sections and paragraphs): 		
SENDER'S RECOMMENDATION (All RFIs must include a contractor's recommended solution to each condition, including a statement of cost or schedule of impact if applicable. The contractor may be back-charged by the Owner for designer's review time for any RFI submitted without a sender's recommended solution or where response is evident in Drawings.) 		
DESIGNER'S RESPONSE:		

Refer to comments within RFI attachment from EDG.

BY:

DATE:

COPIES TO:

END OF SECTION

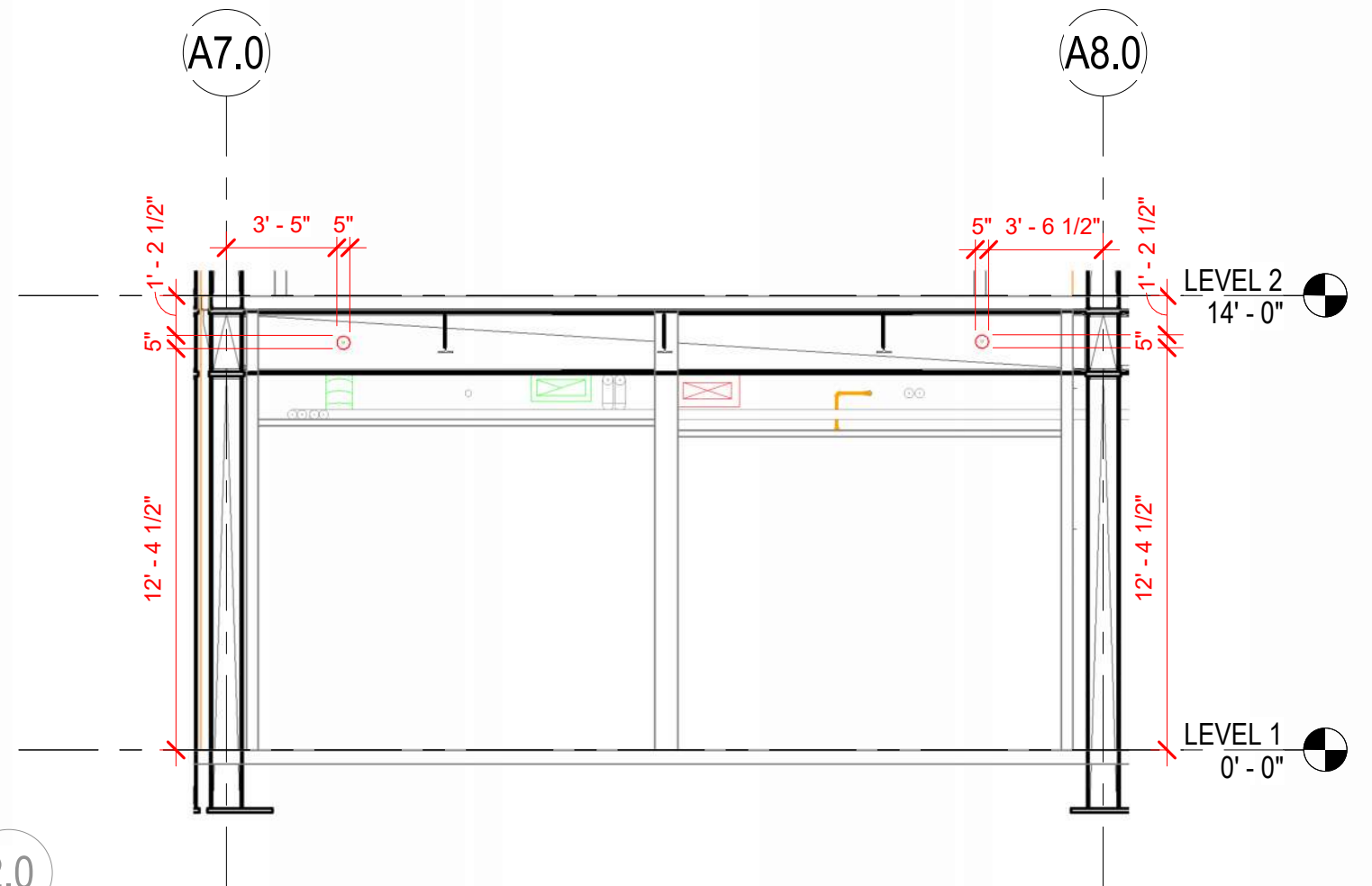
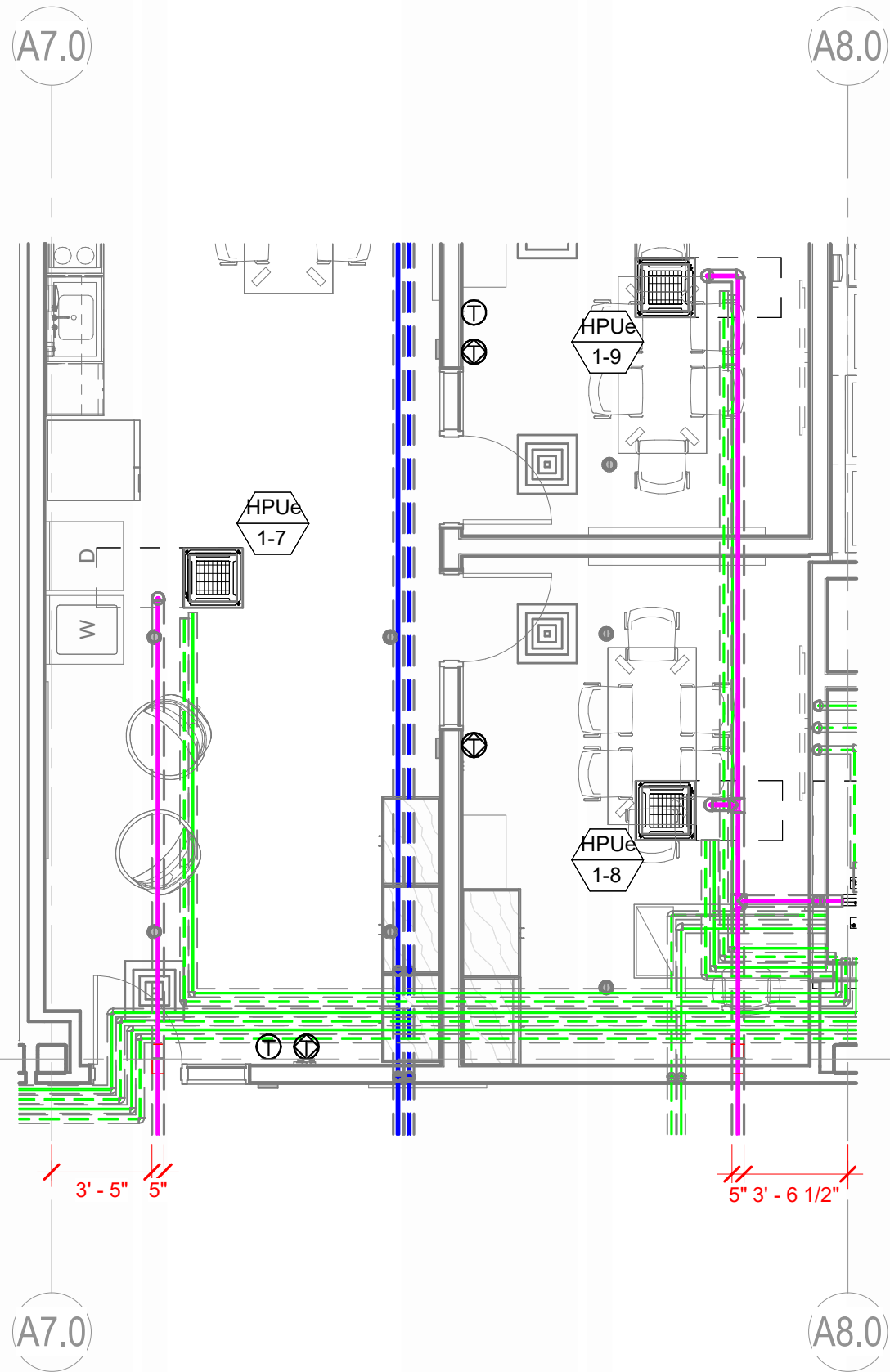
Request for Interpretation Form

01 30 01 - 1

PROJECT:	AUTHOR:
DATE WRITTEN:	DUE DATE:
DRAWING NUMBER:	SPEC SECTION:

Question

Response



CONSENTINO MIDDLE SCHOOL
 685 WASHINGTON STREET
 HAVERHILL, MA

**GENERAL
 MECHANICAL
 CONTRACTORS, INC.**
 29A SWORD STREET AUBURN, MA. (508)754-7366

**RMs. 1098 / 1100 PROPOSED BEAM
 PENETRATIONS**

Date 8/27/2024 11:03:05 AM
 Drawn by TB

Scale 3/16" = 1'-0"

SK.5