

HVAC UPGRADES – PHASE 1

**ABRAHAM BALDWIN MIDDLE SCHOOL
68 BULLARD DRIVE
GUILFORD, CT 06437
BID #6-1819**

S/P+A PROJECT NO. 18.278

Date Issued: April 29, 2019

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum No. 1.

Clarifications (Responses to RFI's): Responses to RFI's No. 1 through 11 are attached as part of the Addendum. (9 pages)

New Specifications:

- SECTION 230516, EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING has been added and is attached as part of this addendum. (5)

Changes to the Specifications:

- TABLE OF CONTENTS, Page 2, Division 23 – Heating, Ventilating and Air Conditioning, add the following:

“Section 230516 Expansion Fittings and Loops for HVAC Piping 5”

- BID PROPOSAL FORM has been deleted in its entirety. A new BID PROPOSAL FORM has been added and is attached as part of this addendum. (2)

- SECTION 087100, DOOR HARDWARE:

- Page 3, Article 1.10.A.2.a., delete in its entirety.
- Page 5:

- Article 2.6.A, delete in its entirety.
- Article 2.7, delete in its entirety.

- Page 9, Article 3.6

- HW-1, delete “1 CLOSER/STOP” and “1 COORDINATOR” in its entirety.
- Article 3.6, add the following:

“**HW-2**

EACH TO HAVE:

1 THRESHOLD

BALANCE OF HDWR TO REMAIN”

- SECTION 230593, TESTING, ADJUSTING AND BALANCING FOR HVAC:
 - Page 1, Article 1.2.A.1., add the following:
 - “c. Variable-volume air systems.”
 - Page 8, Articles 3.10 and 3.11, delete in their entirety.

New Drawings:

- DRAWING SKA1, ROOF DETAILS has been added and is attached as part of this addendum.
- DRAWING SKA2, REVISED DOOR SCHEDULE has been added and is attached as part of this addendum. This sketch revises information on Drawing M-5C.

Changes to the Drawings:

- DRAWING DM-1C, MECHANICAL DEMOLITION PLANS:
 - AHU-5 and AHU-6 Demolition Part Plan 1, revise “DM-5” to read “DM-7”.
 - AHU-1 Thru AHU-4 Part Plan 2:
 - DM-7 tags, delete in their entirety.
 - Delete notes at door in their entirety.
 - Mechanical Demolition Notes:
 - DM-5, revise to read as follows:

“Contractor shall remove existing door hardware, including strike to salvage for reuse. Contractor shall remove existing door, frame, brick veneer and CMU on hinge side, brick veneer at the head, associated flashing and steel lintel. Masonry opening shall be approximately 4’-2”, verify in field. Contractor to provide new 3x3x5/16 galvanized steel lintel, painted, copper flashing, door frame, and door, all to match existing. Contractor to reinstall existing door hardware. Contractor to tooth-in masonry jamb and head as required.”
 - DM-7, revise to read as follows:

“Contractor shall remove existing door and hardware, including strike to salvage for reuse. Contractor shall remove existing door frame, brick veneer and CMU on hinge side, brick veneer at the head, associated flashing and steel lintel. Masonry opening shall be approximately 4’-4”, verify in field. Contractor to provide new 3x3x5/16 galvanized steel lintel, painted, copper flashing, door frame, and 1-foot door leaf with door hardware, all to match existing. Contractor to reinstall existing door and hardware. Contractor to tooth-in masonry jamb and head as required.”
- DRAWING M-2C, MECHANICAL ROOMS DUCT PART PLANS:

-
- AHU-5 and AHU-6 Part Plan-Ductwork 1, reverse door swing.
 - AHU-1 Thru 4 Part Plan Ductwork 2, reverse door swing and delete all notes associated with door.
 - DRAWING M-3C, MECHANICAL ROOMS PIPING PART PLANS, Mechanical Notes, add the following:
 - “2. REMOVE the four (4) existing inline pumps in the penthouse that serve AHU-1, AHU-2, AHU-3 and AHU-4. REPLACE with four (4) new TACO #**VR3452** inline pumps. Electrical contractor shall disconnect pumps from existing circuit wiring and make wiring safe for reuse to new pump. Reconnect circuit wiring to new pump when installed.
 - 3. REMOVE the two (2) existing inline pumps in the penthouse that serve AHU-5 and AHU-6. REPLACE with two (2) TACO #**VR3452** inline pumps. Electrical contractor shall disconnect pumps from existing circuit wiring and make wiring safe for re-use to new pump. Reconnect circuit wiring to new pump when installed.”
 - DRAWING M-3.1C, MECHANICAL ROOF PIPING PLAN:
 - Mechanical Roof Piping Plan 1, revise [4” CHWS & CHWR] to read [5” CHWS & CHWR].
 - Mechanical Notes, Note #2, revise to read as follows:

“Contractor shall provide heat tracing for all chilled water piping, valves and fittings that are located outside of the building. Heat tracing shall be rated for 4.3 watts/foot, 208 volts, **Model #SR425**, Dual Cables, King Electric Manufacturing, 860 feet. Provide with PYRO FREEZE PROTECTION Control Panel **FPC-02-120**, hard-wired power connector and tape kit. Install per manufacturer’s recommendations. Insulation shall cover the heat tracing. Install control panel on Unistrut frame adjacent to Panel PP2-1 in Penthouse #2. Provide 2#12 and 1#12G wire in ¾”C from new 25A-2P circuit breaker in Panel PP2-1. Connect to control panel per manufacturer’s requirements. Contractor to verify model numbers of system prior to ordering equipment.”

The bid date is unchanged by this addendum.

The addendum consists of nineteen (19) pages of 8½”x11” text and two (2) 11”x17” drawings.

End of Addendum ‘1’



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #1: PERMIT FEE CLARIFICATION

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us
FROM: Jonathan Adams, Chief Estimator
DATE: April 18, 2019
PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section: Division 1 Drawing(s): N/A

1. Please clarify if the Town of Guilford will waive their permit fees for this project.

Response: **The Town will waive all the permit fees excluding the educational fee.**

By: **R. Bouchard**

Date: **04.26.19**



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #2: SITE CONCRETE CLARIFICATION

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us

FROM: Jonathan Adams, Chief Estimator

DATE: April 18, 2019

PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section: None

Drawing(s): M-SU-1C

1. Please provide the concrete pad details and the required concrete specifications for the new HVAC Chiller.

Response:

Air cooled chiller (CH-1) slab shall be 11' x 19'. Concrete to be 3,000 psi. Concrete slab thickness to a minimum of 5", set on 12" processed stone, fully compacted. Install 6x6 10/10 welded wire fabric 1.5" above bottom of slab. Contractor is responsible for other slab dimensions and extra work required.

By: M. Zoto

Date: 04.26.19



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #3: SPECIFICATION CLARIFICATIONS

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us
FROM: Jonathan Adams, Chief Estimator
DATE: April 18, 2019
PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section(s): 084213; 087100 Drawing(s): DM-1C

1. Specification 084213 (Aluminum Framed Entrances) is a part of the contract documents however there are none shown on the drawings. Please clarify if they are required for this project.
2. Specification 087100 (Door Hardware) is a part of the contract documents however there appears no new hardware is required as we are to re-use existing doors, frames and hardware. Please clarify if any new hardware is required for this project.
3. There is new masonry work involved in the re-working of the doors shown on drawing DM-1C. Please provide a masonry specification we should follow.

Response:

1. **Yes, they are required. Refer to Drawing M-5C for Door Elevation, Frame Details and Hardware Schedule and Addendum #1 for clarifications.**
2. **Yes, new hardware is required on new door leaf. Refer to Drawing M-5C for Door Elevation, Frame Details and Hardware Schedule and Addendum #1 for clarifications.**
3. **Masonry being removed shall be salvaged and reinstalled where required. Should new masonry be required, it is to match in-kind, including color, size, texture, etc.**

By: R. Bouchard

Date: 04.26.19



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #4: ROOFING CLARIFICATION

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us
FROM: Jonathan Adams, Chief Estimator
DATE: April 18, 2019
PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section(s): None **Drawing(s):** M-3.1C; M-5C

1. Regarding the existing roofing where new work occurs, is this roof presently under warranty and if so, will we be required to use the roofing contractor who did the installation?

Response: **The EPDM roof was installed in 2006 and is under a 20-year manufacturer's warranty from Johns Manville. Original roofing contractor is NOT required, but a certified installer is.**

By: **R. Bouchard/C. Gurnham**

Date: **04.26.19**



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #6: CEILING CLARIFICATIONS

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us
FROM: Jonathan Adams, Chief Estimator
DATE: April 24, 2019
PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section(s): N/A **Drawing(s):** M-4C; M-4.1C; M-4.2C

1. Please clarify the intent to remove and replace the existing ceilings only where required or shall the ceilings be completely replaced. Are the existing ceilings that are effected Z-Splined 12" x 12" type or 2' x with a grid system? There is no ceiling specification and we did not get to enter classrooms as students were still in school.

Response:

Contractor shall remove and replace ceiling tiles and associated grids as required only.

By: Mike Zoto

Date: 4/29/2019



**Orlando Annulli
and Sons, Inc.**

REQUEST FOR INFORMATION #7: HVAC CLARIFICATIONS

To: Clifford Gurnham; gurnhamc@guilford.k12.ct.us
FROM: Jonathan Adams, Chief Estimator
DATE: April 25, 2019
PROJECT: Baldwin Middle School HVAC Upgrades

Question:

Specification Section(s): Div. 230000

Drawing(s): M-4C; M-6C

1. The mechanical schedules on drawing M-6C indicate VAV's are required for AHU Units 1 through 6 however, drawing M-4C does not indicate VAV's for AHU Units 1 through 4. Please clarify if VAV's are required for AHU Units 1 through 4 and if so, please provide a revised drawing.

Response:

VAV boxes, for AHU-1 through AHU-4, are indicated on drawing M-2-C.

By: Mike Zoto

Date: 4/29/2019

RESPONSES TO RFI NO. 8 THROUGH 11

From: Jason Harvey <jay@savmorct.com>
Sent: Monday, April 29, 2019 11:18 AM
To: gurnhamc@guilford.k12.ct.us
Cc: millmanp@ci.guilford.ct.us
Subject: Abraham Baldwin Middle School HVAC Upgrade RFI

Good Afternoon,

Please find the attached RFI questions for the Abraham Baldwin Middle School HVAC Upgrades project, Bid #6-1819:

1. Q: What is the manufacturer of the fire alarm system within the school?
A: **Notifier.**

2. Q: Is there a company under contract for the fire alarm panel?
A: **Integrated Technical Systems, Inc.**

3. Q: Please provide a detail of the exterior chiller piping supports.
A: **Contractor shall refer to Specification Section 230529. Top of insulated pipe shall be below the bottom of the window when it runs along building.**

4. Q: Please provide a detail and specification for the heat tracer for the exterior chiller piping.
A: **Contractor shall provide heat tracing for all chilled water piping, valves and fittings that are located outside of the building. Heat tracing shall be rated for 4.3 watts/foot, 208 volts model # SR425, Dual Cables, King Electric Manufacturing, 860 feet. Provide with PYRO FREEZE PROTECTION Control Panel FPC-02-120, hard-wired power connector and tape kit. Install per manufacturers recommendations. Insulation shall cover the heat tracing. Install control panel on Unistrut frame adjacent to Panel PP2-1 in Penthouse #2. Provide 2#12 & 1#12G wire in 3/4" C from new 25A-2P circuit breaker in Panel PP2-1. Connect to control panel per manufacturer's requirements. Contractor to verify model numbers of system prior to ordering equipment. Contractor to install per manufacturers recommendations.**

Thank you,

Jason Harvey
Senior Project Foreman



231 Captain Lewis Dr.
Southington, CT 06489
www.savmorct.com

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SECTION 230516 - EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Pipe loops and swing connections.
 - 2. Grooved-joint expansion joints.
 - 3. Hanger kit assembly.
 - 4. Alignment guides and anchors.

1.3 PERFORMANCE REQUIREMENTS

- A. Compatibility: Products shall be suitable for piping service fluids, materials, working pressures, and temperatures.
- B. Capability: Products to absorb two hundred percent (200%) of maximum axial movement between anchors.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Delegated-Design Submittal: For each anchor and alignment guide indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 1. Design Calculations: Calculate requirements for thermal expansion of piping systems and for selecting and designing expansion joints, loops, and swing connections.
 - 2. Design Calculations: Calculate requirements for seismic expansion of piping systems and for selecting and designing expansion joints, loops, and swing connections.
 - 3. Anchor Details: Detail fabrication of each anchor indicated. Show dimensions and methods of assembly and attachment to building structure.
 - 4. Alignment Guide Details: Detail field assembly and attachment to building structure.
 - 5. Schedule: Indicate type, manufacturer's number, size, material, pressure rating, end connections, and location for each expansion joint.
 - 6. Scaled drawings, elevations and sections showing actual space/location and physical dimensions and clearances.

1.5 INFORMATION SUBMITTALS

- A. Welding Certificates.

- B. Product Certificates: For each type of expansion joint, from manufacturer.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For expansion joints to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel according to the following:
 1. AWS D1.1, "Structural Welding Code - Steel."
 2. ASME Boiler and Pressure Vessel Code: Section IX.

PART 2 - PRODUCTS

2.1 ALIGNMENT GUIDES AND ANCHORS

- A. Alignment Guides:

1. Manufacturers: Subject to compliance with requirements, provide products or comparable product by one (1) of the following:
 - a. Advanced Thermal Systems, Inc.
 - b. Hyspan Precision Products, Inc.
 - c. Metraflex, Inc.
 - d. Flexicraft Industries
 - e. Flex-Weld, Inc.
 - f. Mason Industries Inc.
2. Description: Steel, factory-fabricated alignment guide, with bolted two-section outer cylinder and base for attaching to structure; with two-section guiding spider for bolting to pipe.

- B. Anchor Materials:

1. Steel Shapes and Plates: ASTM A 36.
2. Bolts and Nuts: ASME B18.10 or ASTM A 183, steel hex head.
3. Washers: ASTM F 844, steel, plain, flat washers.
4. Mechanical Fasteners: Insert-wedge-type stud with expansion plug anchor for use in hardened portland cement concrete, with tension and shear capacities appropriate for application.
 - a. Stud: Threaded, zinc-coated carbon steel.
 - b. Expansion Plug: Zinc-coated steel.
 - c. Washer and Nut: Zinc-coated steel.
5. Chemical Fasteners: Insert-type-stud, bonding-system anchor for use with hardened portland cement concrete, with tension and shear capacities appropriate for application.

- a. Bonding Material: ASTM C 881, Type IV, Grade 3, two-component epoxy resin suitable for surface temperature of hardened concrete where fastener is to be installed.
- b. Stud: ASTM A 307, zinc-coated carbon steel with continuous thread on stud unless otherwise indicated.
- c. Washer and Nut: Zinc-coated steel.

2.2 GROOVED JOINT EXPANSION JOINTS

- A. Manufacturers: Subject to compliance with requirements, provide products by one (1) of the following:
 1. Victaulic
 2. Engineer approved equal.
- B. Description:
 1. Factory-assembled expansion joint made of several grooved-end pipe nipples, couplings, and grooved joints. Movement capability dependent on number and style of couplings/nipples used. Pressure rating dependent on size and style of flexible couplings used. Victaulic **Style 155** or Engineer approved equal.
 2. Packless, gasketed, slip-type expansion joint with grooved ends. Provides up to 3 inches of axial movement. Rated to 350 psi. Victaulic **Style 150** or Engineer approved equal.
 3. Gaskets: Grade EHP or E EPDM for water and glycol services (no petroleum constituents). Select gaskets in accordance with service requirements utilizing the most recent Victaulic Gasket Selection publication.
- C. Standard: AWWA C606, for grooved joints.
- D. Nipples: ASTM A 53, Schedule 40, Type E or S, steel pipe with grooved ends.

PART 3 - EXECUTION

3.1 EXPANSION-JOINT INSTALLATION

- A. Install expansion points of sizes matching sizes of piping in which they are installed.
- B. Support all pipelines to ensure that loops do not carry the pipe load.
- C. Initial pipe misalignment must not exceed 1/8-inch in any direction.
- D. Install grooved-joint expansion joints to grooved-end steel piping. Grooved end expansion joints shall be installed in accordance with the manufacturer's guidelines and recommendations. The gasket style and elastomeric material (grade) shall be verified as suitable for the intended service as specified. Gaskets shall be supplied by the grooved coupling manufacturer. Grooved end shall be clean and free from indentations, projections and roll marks in the area from pipe end to groove for proper gasket sealing. A direct employee of the manufacturer, factory trained field representative shall provide on-site training to contractor's field personnel in the installation of grooved piping products. A distributor representative is not qualified for this site service on behalf of the manufacturer. Factory trained representative shall periodically review

the product installation. Contractor shall remove and replace any improperly installed products without additional charges

3.2 PIPE LOOP AND SWING CONNECTION INSTALLATION

- A. Install pipe loops cold-sprung in tension or compression as required to partly absorb tension or compression produced during anticipated change in temperature.
- B. Connect risers and branch connections to mains with at least five (5) pipe fittings including tee in main.
- C. Connect risers and branch connections to terminal units with at least four (4) pipe fittings including tee in riser.
- D. Connect mains and branch connections to terminal units with at least four (4) pipe fittings including tee in main.
- E. On Victaulic grooved installations, use eight (8) flexible style couplings, four (4) 90° elbows, and three (3) grooved end pipe spools to provide expansion loops in water systems to 250°F in accordance with the latest manufacturer's recommendations for expansion compensation. Rigid couplings shall not be used on loop corners.

3.3 ALIGNMENT-GUIDE AND ANCHOR INSTALLATION

- A. Install alignment guides to guide expansion and to avoid end-loading and torsional stress.
- B. Install two (2) guides on each side of pipe expansion fittings and loops. Install guides nearest to expansion joint not more than four (4) pipe diameters from expansion joint.
- C. Attach guides to pipe and secure guides to building structure.
- D. Install anchors at locations to prevent stresses from exceeding those permitted by ASME B31.9 and to prevent transfer of loading and stresses to connected equipment.
- E. Anchor Attachments:
 - 1. Anchor Attachment to Steel Pipe: Attach by welding. Comply with ASME B31.9 and ASME Boiler and Pressure Vessel Code: Section IX, "Welding and Brazing Qualifications."
 - 2. Anchor Attachment to Copper Tubing: Attach with pipe hangers. Use MSS SP-69, Type 24, U-bolts bolted to anchor.
- F. Fabricate and install steel anchors by welding steel shapes, plates, and bars. Comply with ASME B31.9 and AWS D1.1.
 - 1. Anchor Attachment to Steel Structural Members: Attach by welding.
 - 2. Anchor Attachment to Concrete Structural Members: Attach by fasteners. Follow fastener manufacturer's written instructions.
- G. Use grout to form flat bearing surfaces for guides and anchors attached to concrete.

END OF SECTION 230516

VI. BID PROPOSAL FORM

**Board of Selectman
Town of Guilford
31 Park Street
Guilford, CT 06437
Attention: Purchasing Department, 2nd Floor**

**BID #6-1819
Abraham Baldwin Middle School
HVAC Upgrades – Phase 1
Bid Opening
Thursday, May 2, 2019
2:00 p.m.**

BIDDER

Company Name: _____
Address: _____

Telephone: _____ Fax: _____
E-mail: _____
Contact Person: _____ Title: _____

To the Board of Selectmen:

We submit for your consideration our bid for the above referenced bid. We have read the bidding documents, including the Town of Guilford’s General Conditions and Instructions to Bidders and the bid specifications and are submitting our bid in full compliance with all terms and conditions except as noted below under “Exceptions.” We have enclosed our original bid bond/cashier’s check in the amount of ten percent (10%) of our total base bid. *We acknowledge receipt of all addenda to the bid documents and assume full responsibility to access those addenda from the Town website and/or DAS website, as applicable.*

We will provide the following within five (5) business days after receipt of a notice of award from the Purchasing Department:

- (i) the requested Certificate of Insurance from the following company:
_____;
- and
- (ii) Payment and Performance Bonds from the following company:
_____.

Within five (5) business days after receipt of final contract from Town, we will forward to the Purchasing Department three (3) original contracts, in the form provided by the Town, executed by an authorized officer.

We agree to perform the work described in the Bidding Documents within the time period set forth in the specifications as follows:

Base Bid:

Entire Project for the Total Cost of:

\$ _____ Dollars (\$ _____ .00).
written figure

We will commence work on the project _____ calendar days after receipt of "Notice to Proceed" or signing of Contract (whichever is earlier). We will be able to substantially complete the project within _____ calendar days thereafter.

Unit Prices:

As required by the Base Bid, should deteriorated or damaged materials be required to be removed as determined by the Architect or Owner, the cost to remove and replace the referenced material, (or credit for specified material not provided or installed) including all labor, material, equipment and related furnishings is as follows:

1. 1½-inch hydronic hot water supply and return piping \$ _____/lf

On site construction, installation, delivery and storage shall be coordinated with Clifford Gurnham, Director of Operation for the Guilford Public Schools.

Exceptions: _____

We agree that the allowable mark-up for overhead and profit on any charges shall not exceed a TOTAL (all tiers) of ten percent (10%).

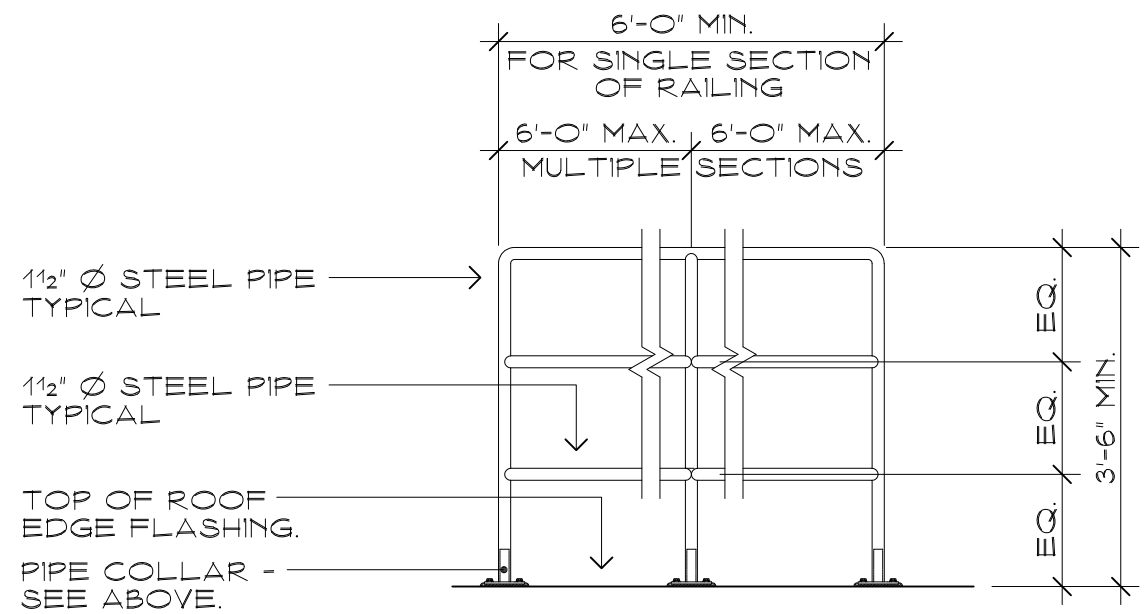
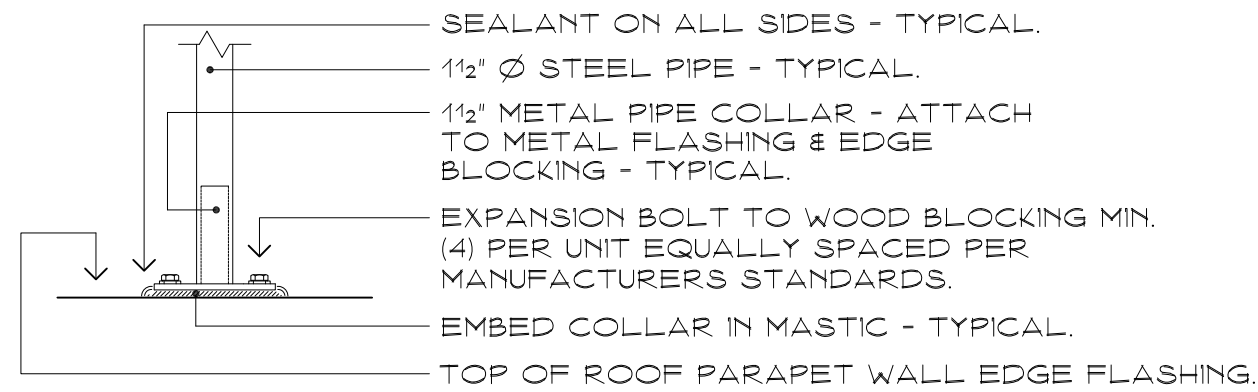
The undersigned authorized representative hereby submits the above bid to the Town of Guilford.

Name of Contractor Entity: _____

By _____

Print Name and Title: _____

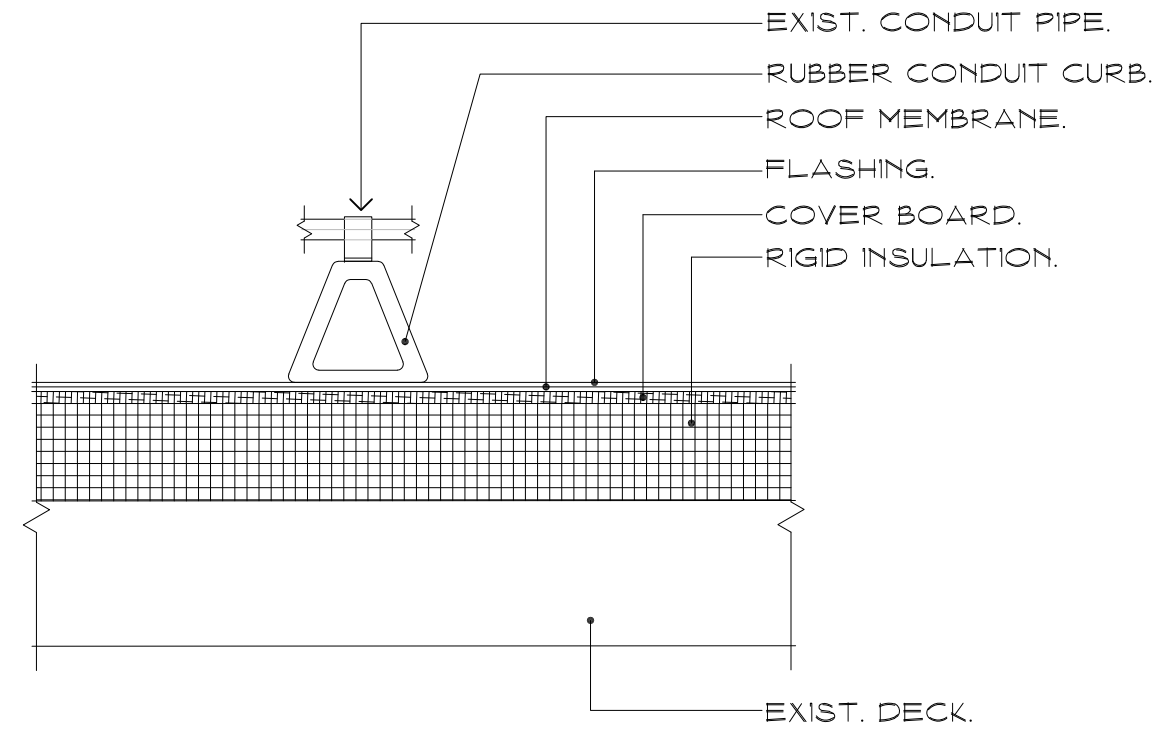
Duly authorized



"TYPICAL" GUARDRAIL DETAIL

SCALE: NONE

1
SKA1



PROVIDE ECOCURB REC 9S AS MANUFACTURED BY ADVANCED SUPPORT PRODUCTS OR EQUAL AT 10' O.C. UNDER PIPING SHOWN ON DRAWING M-3.1C.

CONDUIT CURB DETAIL

SCALE: 1/2" = 1'-0"

2
SKA1

SKA1

Date: 4/26/19
Scale: AS NOTED
Drawn By: KL/RSP
Project Number: 18.278

ROOF DETAILS

SILVER/PETRUCCELLI + ASSOCIATES
Architects / Engineers / Interior Designers
3190 Whitney Avenue, Hamden, CT 06518-2440
One Post Hill Place, New London, CT 06320
Tel: 203.230.9007 Fax: 203.230.8247
silverpetrucelli.com



Project Title:
Air Handler and Chiller Replacement
Abraham Baldwin Middle School
68 Bullard Drive
Guilford, Connecticut 06437

DOOR SCHEDULE

DOOR NUMBER		DOOR					FRAME					FIRE RATING				HARDWARE - SEE PROJECT MANUAL										REMARKS						
		ROOM NUMBER	SIZE			TYPE	MATERIAL	GLAZING	TYPE - SEE HEAD/JAMB DET.	MATERIAL	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC RELEASE LATCH	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	ALARMED EXIT SEE ELEC.	POWER ASSIST OPERATOR		LEVER HANDLES	PUSH PLATE/PULL HANDLE	KICK PLATE	TACTILE WARNING	ACCESSIBLE THRESHOLD	SIGNAGE
			●	○	●		AL-3	AL		AL	AL-2	AL-2						●		○		○			○			○	●	○	1	1,2,3; REFER TO DM-7 ON DM-1C
					●		AL-3	AL		AL	AL-2	AL-2						●		○		○			○		○	●	○	2	1,4; REFER TO DM-5 ON DM-1C	

GENERAL DOOR NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
- ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHERSTRIPPING ON SIDES, TOP AND BOTTOM.

SCHEDULE REMARKS

- REINSTALL EXISTING DOOR CONTACTS.
- 3'-0" LEAF IS EXISTING; 1'-0" LEAF IS NEW TO MATCH EXISTING.
- RELOCATE EXISTING SIGNAGE, IF REQUIRED.

LEGEND

- AL -ALUMINUM
- HM -HOLLOW METAL
- EXT. -EXTERIOR

- - INDICATES NEW WORK
- - INDICATES EXISTING TO REMAIN

Drawing Number:
SKA2

Date: 4/26/19
Scale: NONE
Drawn By: KL/RSP
Project Number: 18.278

Drawing Title:
**REVISED
DOOR SCHEDULE**

SILVER/PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers
3190 Whitney Avenue, Hamden, CT 06518-2440
Tel: 203.230.9007 Fax: 203.230.8247
silverpetrucci.com



Project Title:
Air Handler and Chiller Replacement
Abraham Baldwin Middle School
68 Bullard Drive
Guilford, Connecticut 06437