SALAMONE & ASSOCIATES, P.C.
Consulting Engineers

116 North Plains Industrial Rd • Wallingford • CT • 06492 • Phone (203) 281-6895 • Fax (203) 287-8728

ADDENDUM NO.2

TO THE

CONTRACT DRAWINGS AND SPECIFICATIONS

FOR

ENERGY & EFFICIENCY HVAC UPGRADES FOR THE
MILO PECK CHILD CARE SCHOOL
WINDSOR, CT

This addendum issued on December 16, 2021 shall form part of the Contract Documents dated November 10, 2021 and modifies the Contract Drawings and Specifications. The bidder shall acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification. This addendum consists of Seven (7) pages.

I. GENERAL:

1. With the clearances required by Eversource from a building to a transformer we suspect there may not be enough space to fit the transformer where it is shown on the plans in the grass area in front of the building. Please advise.
   A. Eversource confirmed proposed transformer pad installation location is acceptable as shown.

2. Are bollards required around the new transformer? If so they will extend into the sidewalk.
   A. 6-inch safety bollards shall be installed for protection of transformer. Provide bollards at the front of parking spaces adjacent to transformer, maximum 5-feet on center. Provide additional bollards located minimum 3-feet from concrete pad edges at the grass side of existing sidewalk, on both sides of the transformer, maximum 5-feet on center. Provide bollards per applicable code and local AHJ.

3. Has the building been tested for Asbestos in the locations work will be taking place?
   A. Yes, and it will be addressed by the town.

4. Given the age of the building and trying to limit open flames as much as we can, will the use of Pro-press fittings be allowed?
   A. Yes.

5. Given the age of the building and trying to limit welding pipe as much as we can will the use of Victaulic pipe and fittings be allowed?
   A. No.

6. Please confirm the town will have the attic space cleared out at the start of the project.
    A. Attic space will be cleared to the best ability of the town.

7. Are we responsible for patching the holes in the hallway from piping that was removed?
    A. Yes,

8. Will we be required to patch and paint any exposed areas not covered by the new radiators or areas where the existing units were removed?
    A. No, owner will touch up areas using its own contractor.

9. The existing cabinetry in Rm 103 call to be removed, is this cabinetry to be reinstalled?
    A. No, existing cabinetry to be turned over to owner.

10. It was mentioned at the walk through that the town may be providing the paint for the project to touch up areas, is this correct?
    A. The owner will paint areas using its own contractor.

11. The hydronic piping on the first and second floor within the building is run exposed on the outside of the walls. Are we to install the new piping the same way as it is currently installed? Will this piping require a PVC jacket around the fiberglass insulation?
    A. Yes, piping shall be installed in kind. Yes, provide PVC Jacket around piping insulation.

12. What material is required on the exterior ductwork and piping to make them weather resistant?
    A. Waterproof aluminum jacket, exterior ductwork insulation shall have Venture Clad jacketing.

13. Are we to assume that each classroom will be controlled independently with their own thermostat?
    A. Each room will have a wall mounted sensor that will communicate the space temperature to the BMS. The BMS will control each piece of equipment.

14. What is the approximate number of control valves being installed in the building?
    A. See contract drawings.

15. The detail for the fan coils show a 3-way valve being install at each unit, given the pumps is connected to a VFD drive can the system us a 2-way valve instead?
    A. Yes, 2-way valve is acceptable for this installation.

16. The location of the existing “LP-4” electrical panel is incorrect and there is no panel located in the janitors closet as shown on page E-2. Please provide the location of the “LP-4” electrical panel.

A. Panel LP-4 is in first floor storage closet located roughly below current location shown. The storage closet is located adjacent to bathroom entry door located next to office 106.

17. There isn't a schedule for the fresh air louvers required for each FCU. Please provide a schedule for the louvers.
    A. Fan Coil Unit Schedule note 3, drawing M-9, states that all FCU's shall be provided with outside air components as accessories for each unit from the manufacturer.

18. Is the piping in RM 101 to be hung along with the vaulted ceiling or is it to run at the height of the ceiling angle as shown on the plans?
    A. Piping in RM 101 shall be run at height of ceiling as shown on plans.

19. There are currently (2) louvers on the exterior of the building above the location of the new chiller. Are we to remove the louver and infill the wall or cap and leave in place?
    A. Replace existing louvers with two (2) 48"x48" louvers equal to Greenheck EDD601. Confirm sizes infield.

20. Are there any requirements for seismic bracing for the hydronic piping?
    A. Seismic bracing requirements are detailed in specification section 15246.

21. M-1 calls for the chiller piping to be enclosed in a slimduct type enclosure. I have not come across a pipe enclosure that will be large enough for 4" pipe and insulation. Are we to leave the pipe exposed on the side of the building or enclose it another way?
    A. Provide sheet metal weatherproof enclosure anchored into the exterior wall.

22. There is no detail for the condensate piping of the FCU's. Please provide a detail.
    A. Condensate piping shall be routed through nearest exterior wall and down to grade. All piping shall be routed in slimduct.

23. What material is required for the condensate drain of the FCU's?
    A. PVC.

24. Will the condensate piping on the exterior of the building be required to be in a slimduct type enclosure?
    A. Yes.

25. Is the $75,000.00 Eversource Allowance sufficient for all electrical service site work?
    A. Bidders shall provide an allowance of $125,000.00 to be carried for all Eversource charges and associated sitework. All other sitework taking place for this project shall be included in base bid amount. See revised Bid Form attached.

26. The HVAC BMS Allowance has been revised from $300,000.00 to $262,088.00. See revised Bid Form attached

27. HVAC control valves will be provided by the BMS contactor. The HVAC contractor shall install valves provided by the BMS contractor as required by the contract documents.

II. DRAWINGS:

1. S-1: Remove drawing from Bid Set and replace with S-1 attached.

2. S-1: Add the following to the sound barrier wall: See V-STACK-1 Drawing attached (use SECTION A-A-OPTION #1)

3. M-1: Remove four (4) ceiling mounted oscillating fans in the Gym and replace with four (4) ceiling mounted 60" industrial fan equal to Canarm model CP60W11N. Reconnect to existing electrical and fan control as required.

END OF ADDENDUM NO. 2

Town of Windsor
Windsor Town Hall
Finance Department
275 Broad Street
Windsor, Connecticut 06095

TO: Mr. James Bourke
Director of Finance
Town of Windsor
275 Broad Street
Windsor, CT 06095

The undersigned_____doing business in the Town of_____,
County of_____, State of_____, submits herewith, in conformity with the RFP dated November 10, 2021, the following proposal.

MILO PECK CHILD CARE SCHOOL ENERGY & HVAC EFFICIENCY UPGRADES

1. PROPOSAL LUMP SUM TOTAL BID FROM ITEMIZED SHEET

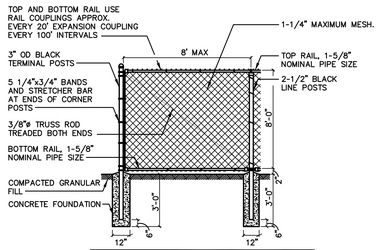
$_____

(_____)
written figures

2. ALLOWANCES

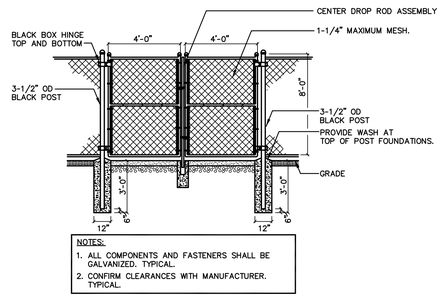
A. All Bidders shall provide as part of their Base Bid a Two Hundred and Sixty-Two Thousand Eighty-Eight Dollar ($262,088.00) HVAC BMS Allowance. Allowance shall be deducted from to provide Scope of Work by Automated Logic. Any amount remaining from said allowance shall be returned to owner via a Deduct Change Order.

B. All Bidders shall provide as part of their Base Bid a One Hundred and Twenty-Five Thousand Dollar ($125,000.00) Eversource Allowance. Allowance shall be deducted from to provide Utility Company Fees. Any amount remaining from said allowance shall be returned to owner via a Deduct Change Order.



TYPICAL FENCING DETAIL

SCALE: N.T.S.



TYPICAL GATE DETAIL

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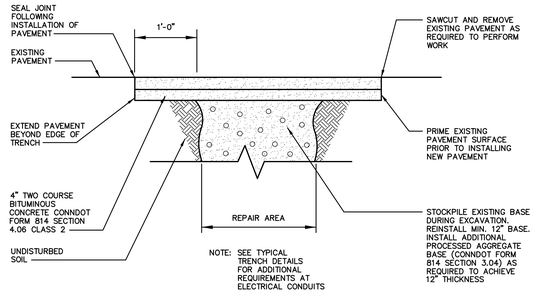
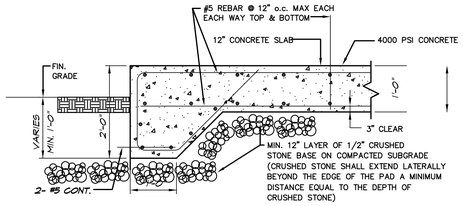


TYPICAL BITUMINOUS PAVEMENT REPAIR DETAIL

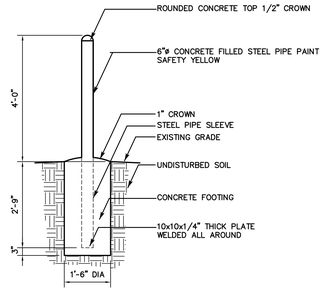
SCALE: N.T.S.



NOTE:
COMPACT SUBGRADE TO 95% OF MAX. DRY DENSITY.

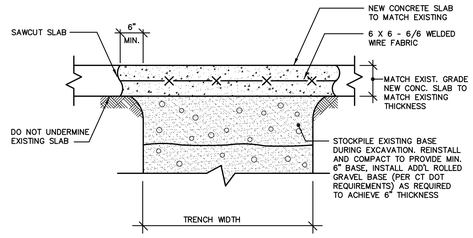
CHILLER PAD DETAIL

SCALE: N.T.S.



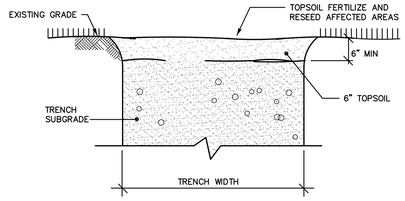
TYPICAL STEEL BOLLARD DETAIL

SCALE: N.T.S.



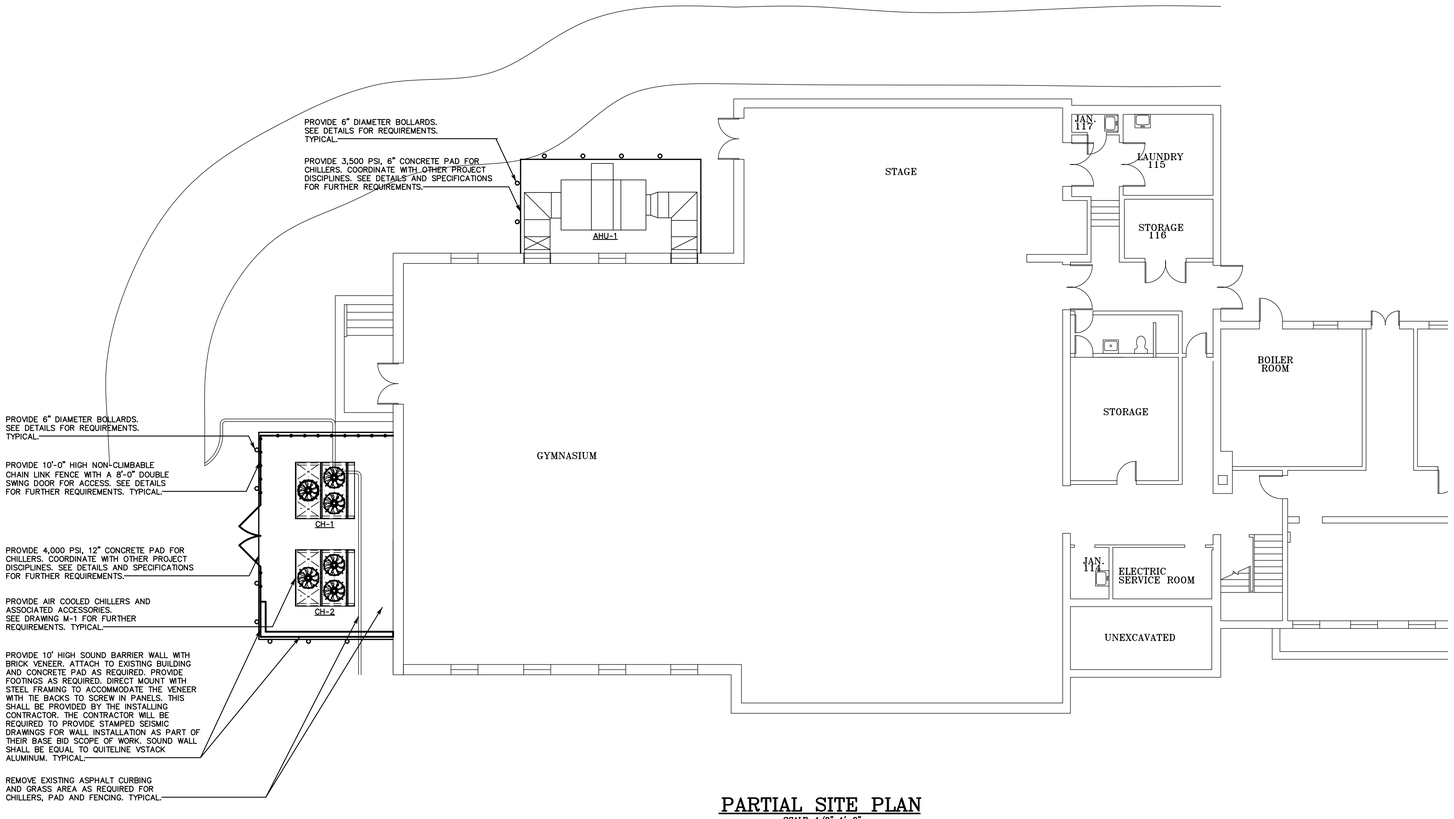
CONCRETE SLAB REPAIR

SCALE: N.T.S.



GRASS AREA REPAIR DETAIL

SCALE: N.T.S.



PARTIAL SITE PLAN

SCALE: 1/8"=1'-0"

REVISIONS		
REV.	DESCRIPTION	DATE

CONSULTANT:

SALAMONE & ASSOCIATES, P.C.

CONSULTING ENGINEERS

116 North Plains Industrial Road
Wallingford, Connecticut 06492
Phone: (203) 281-6695 Fax: (203) 287-8726

NOTES:

PROJECT TITLE

CONSTRUCTION DOCUMENTS FOR ENERGY & EFFICIENCY HVAC UGRADES

MILO PECK CHILD CARE SCHOOL

WINDSOR, CONNECTICUT

DRAWING TITLE

PARTIAL SITE PLAN

JOB NO.	3662.01
PROJECT MANAGER	JAS
ENGINEER/DESIGNER	ST
DRAWN BY	BG
SCALE	AS NOTED
DATE	NOVEMBER 10, 2021

SEAL:

DRAWING NO.

S-1

CONSTRUCTION/ASSEMBLY NOTES:

1.) PANEL SURFACES: SOLID FACE IS 16 GA. COLD ROLLED STEEL WITH A-60 GALVANNEAL COATING. PERFORATED FACE IS 22 GA. WITH 3/32" HOLES ON 3/16" STAGGERED CENTERS.

2.) PANEL FILL: NON-COMBUSTIBLE, SOUND ABSORBING FIBERGLASS

3.) FINISH: STD. FINISH IS "PAINT READY" GALVANNEAL. THERMOSETTING TGIC POLYESTER POWDER COATING IS AVAILABLE. COLOR TO BE SELECTED BY ARCHITECT/CUSTOMER FROM STANDARD COLOR CHART SUPPLIED BY NOISE BARRIERS, LLC. **COLOR TO BE:** _____

4.) PANELS SHALL BE LOWERED CONSECUTIVELY BETWEEN VERTICAL WIDE FLANGED BEAMS. BARRIER WALL SHALL BE DESIGNED TO WITHSTAND WINDLOAD IN ACCORDANCE WITH THE SPECIFIED LOCAL CODE REQUIREMENTS OF THE PROJECT. REFER TO INSTALLATION DETAILS 'OPTION 1' & 'OPTION 2' FOR ALTERNATES.

5.) THE BARRIER PANEL ARE DESIGNED TO WITHSTAND WIND LOADS OF 40 POUNDS PER SQUARE FOOT, BOTH NEGATIVE AND POSITIVE.

6.) STRUCTURAL STEEL COLUMNS ARE PRIME PAINTED & FINISH PAINTED IN COLOR TO MATCH PANELS. PAINT TO BE SHOP APPLIED AND AIR DRIED.

BARRIER PANEL ACOUSTIC PERFORMANCE

SOUND TRANSMISSION LOSS, dB

OCTAVE BAND CENTER FREQUENCIES (Hz)	125	250	500	1K	2K	4K	STC
QUIETLINE H/P-42 V-STACK PANEL	23	31	40	49	56	62	42

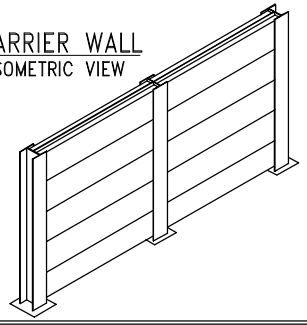
*All data in accordance with ASTM E90-99 and E413-87

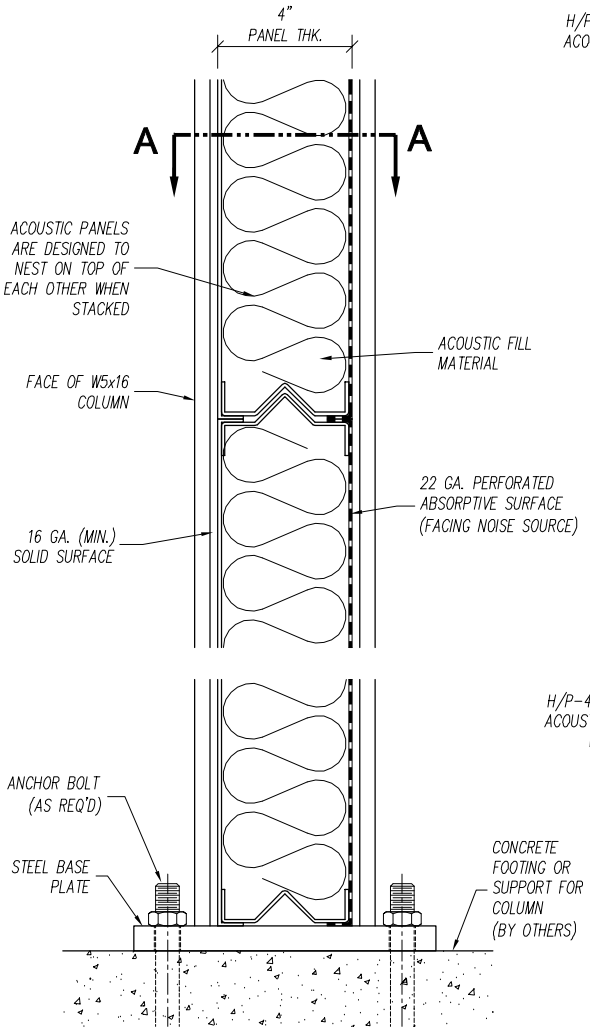
SOUND ABSORPTION COEFFICIENTS

OCTAVE BAND CENTER FREQUENCIES (Hz)	125	250	500	1K	2K	4K	NRC
QUIETLINE H/P-42 V-STACK PANEL	0.68	1.06	1.12	1.08	1.03	0.98	0.95 (1.05)

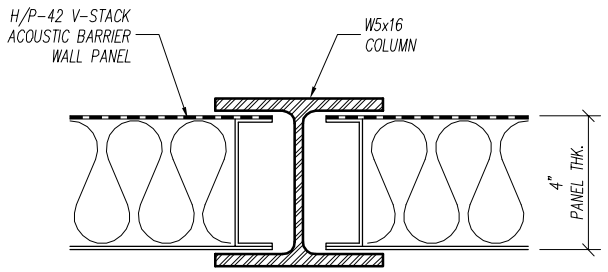
*All data in accordance with ASTM C423-90a and E795-00

BARRIER WALL
ISOMETRIC VIEW



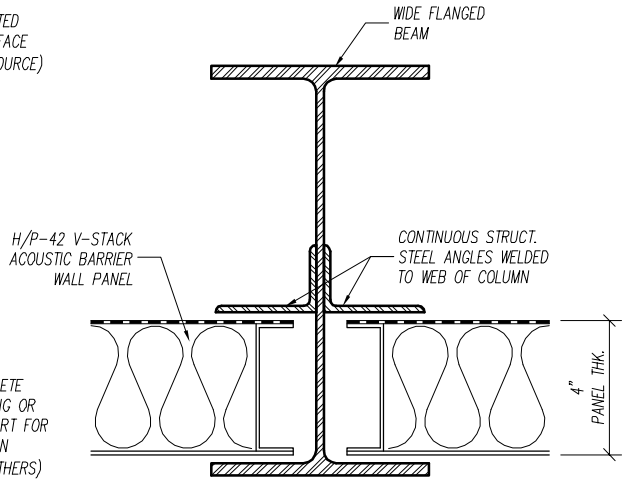


WALL SECTION DETAIL



SECTION A-A - OPTION #1

WIDE FLANGED BEAM DETAIL FOR STANDARD APPLICATIONS



SECTION A-A - OPTION #2

WIDE FLANGED BEAM DETAIL FOR HIGH WIND LOADS, TALL WALLS, AND POST SPACING APPLICATIONS

REVISIONS	DESCRIPTION	DATE	BY

DESCRIPTION: QUIETLINE H/P V-STACK BARRIER PANEL
PROJECT:
DRAWN BY | SCALE | DRAWING NO.: V-STACK-1
DATE | SHEET

Noise Barriers, LLC
1207 Remington Rd., Suite E
Schaumburg, IL 60173
Phone: (847) 843-0500
Fax: (847) 843-0501
www.noisebarriers.com