

**MANSFIELD MIDDLE SCHOOL
ROOF REPLACEMENT AND PHOTOVOLTAIC PROJECT
205 SPRING HILL ROAD
STORRS, CT 06268**

State Project No. 078-0069 RR
State Project No. 078-0070 PV

S/P+A PROJECT NO. 20.087

DATE: May 2, 2021

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. 2.

General Information/Clarifications:

RFI's: As indicated in the RFI Log, attached as part of this Addendum. (2 pages)


New Drawings

ADD: Drawing SK1, attached as part of this Addendum. (1 page)

The bid due dates are unchanged by this Addendum.

The Addendum consists of three (3) pages of 8½" x 11" text, and one (1) page of 8-1/2" x 11" drawings.

End of Addendum #2

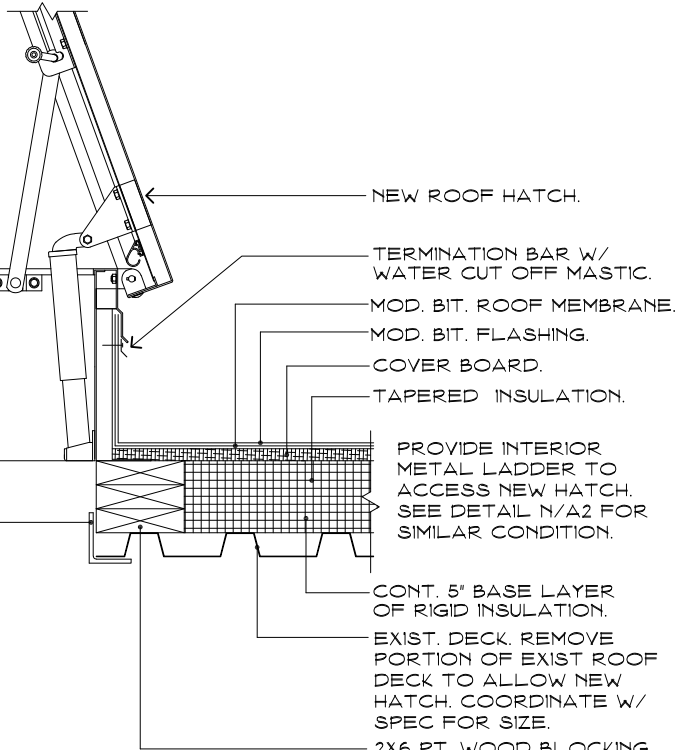
A	B	C	D	E	F	G	
1							
2			SILVER/ PETRUCELLI + ASSOCIATES				
3			Architects & Engineers				
4			BID RFI LOG				
5							
6	PROJECT NAME:	Mansfield Middle School Roof Replacement & Photovoltaic Project					
7		205 Spring Hill Road					
8		Mansfield, CT 06268					
9							
10	Contractor: All Bidders						SP+A PROJECT NUMBER: 20.087
11							
12		RFI #	DESCRIPTION	DATE RECEIVED	COMMENTS	ADDENDUM #	
13							
14		RFI 01	GCE is not a state DAS certified contractor. Is it possible to have a DAS certified electrician bid as the contractor with a non-state certified solar developer listed as their subcontractor?	2021-04-16	The prime contractor needs to be DAS Certified. In this case, whatever GC's submit bids for the entire project.	1	
15		RFI 02	Is it possible to submit a bid for the solar installation portion only or does the bidder need to submit a bid for the roof replacement as well?	2021-04-16	The project is structured for contractors to submit a bid for the entire project. The bid form requires a breakdown of the bid into the two categories – roof and PV for state grant accounting purposes.	1	
16		RFI 03	Is tree clearing or tree trimming allowed if needed?	2021-04-20	Tree trimming shouldn't be needed, the owner would have to answer if it is allowed.	1	
17		RFI 04	Is the Town only interested in purchasing the solar array outright or would they be open to a PPA where the solar developer would own and maintain the array?	2021-04-20	The Town is only interested in purchasing the solar array outright.	1	
18		RFI 05	Can you please confirm the electrical configuration and capacity of the school's main switchboard?	2021-04-20	Switchgear is Square D, configuration is 277/480V, 3-phase, capacity is 4000A.	1	
19		RFI 06	Is the school's preference to have both the roof and solar array installed this summer? If yes, would the plan be to have the sections of the roof where the solar will be installed replaced first so solar installation and roof installation can run parallel to each other? If delays are caused due to weather, etc., would it be ok if the solar install carried over after students return in the fall?	2021-04-20	Yes, the intent is that roof and solar array shall both be installed this summer. The contractor awarded the project will be responsible for producing a schedule. The intent is that Roof sections which will have solar shall be replaced first so roof replacement and PV installation can run parallel to each other. If there are reasonable delays, as defined by the contract, such as weather, then it would be ok if the solar install carried over after students return in the fall.	1	
20		RFI 07	Could you please share the sign-in list from tomorrow's site visit?	2020-04-22	YES, it will be made available by Addendum.	1	
21		RFI 08	In reviewing the Roof Plan A1, Roof Areas 'R', and 'Z' indicate an Existing Roof Pitch of 1/12 and indicate a ¼" per foot tapered insulation also. Is this Correct? Please clarify.	2020-04-22	Drawing A1: Revise note on Roof Areas 'R' and 'Z' from 1/4" per foot tapered insulation to 5" rigid insulation.	1	
22		RFI 09	Specification Section 075216;3.3;H1 indicates a Nailed Base Sheet @ Tectum Decks with flat and Tapered insulation set in Low Rise Adhesive with Cover Board (½" DensDeck) set in set in Hot Asphalt. Can All Insulations and Cover Board be Set in Hot Asphalt in lieu of specified Low Rise Adhesive?	2020-04-22	Install all insulations with Low Rise Adhesive. Cover board can be set in Hot Asphalt.	1	
23		RFI 10	At Metal roof deck areas Specification 075216;3.3;H2 indicates to ADHERE base layer of insulation to Metal Deck in low rise adhesive with subsequent layers in low rise adhesive with Cover Board (1/2" DensDeck) set in hot asphalt? Is this Correct? Can we Mechanically Fasten ALL Insulation thru to metal deck with the cover board(1/2" DensDeck) in Hot as Specified?	2020-04-22	Install all insulations with Low Rise Adhesive. Cover board can be set in Hot Asphalt.	1	
24		RFI 11	Is the Existing roof deck slope of 1/12" at multiple roof areas(as shown on A1) actually 1/12 or less? Roofing Manufacturers will require wood nailers and Back Nailing of felts of any slope greater than ¼"/12 pitch.	2020-04-21	Provide Wood Nailers and Back Nailing per Manufacturer's requirements.	1	
25		RFI 12	Are mechanical attachments allowed? If not, can you confirm the PSF of the new roof will support a fully ballasted PV system?	2020-04-22	Specification Section 075216 "SBS Modified Bituminous Membrane Roofing": Revise Paragraph 2.5/B to indicate "Polyisocyanurate Board Insulation: ASTM C 1289, ASTM D1621, Type II, Class I, Grade 3 (High-Density 25 PSI Compressive Strength), felt or glass-fiber mat facer on both major surfaces". Revise paragraph 2.6/G (Cover Board) to indicate "High Density". All materials and attachments, if required, will need to be 100% acceptable and fully warranted by the roofing manufacturer.	1	
26		RFI 13	Specification 074213.23 describes Aluminum Composite Wall Panels. After review of the drawings and walkthrough of the project, where will the Aluminum Composite Panels described in the specification section be installed? Detail M/A2 shows cutting back an existing metal panel, but this panel is a standing seam panel, not a aluminum composite panel. Please advise where the Aluminum Composite Panels are to be installed. If they are to be installed at a location on this project, please provide a detail showing this work.	2020-04-27	Delete in its entirety Specification Section 074213.23 "Metal Composite Material Wall Panels". Per detail M/A2, remove and reinstall existing metal panels (as noted) which are to be cut, off the roof, as required to raise the bottom above the new roof height. Provide touch up paint to the cut edge.	1	
27		RFI 14	Re C/A2, Does Roofing Contractor have to replace ALL CURBS or can we extend existing curbs as required to achieve the min height requirements and insulate them as required?	2020-04-26	Existing curbs can be extended as long as the required R-value is achieved.	2	
28		RFI 15	Please reference Roof Plan A1. You have Details P/A2 and U/A2 tagged at the same locations on roofs 'A', 'U'.	2020-04-27	Detail U/A2 is to be used for the upper termination detail.	2	

	A	B	C	D	E	F	G
29			RFI 16	Please reference Roof Plan A1. P/A2 is a Coping and U/A2 is a Gravel Stop, is one of the details supposed to be a Rising Wall Condition, please clarify!	2020-04-27	Yes, detail J/A2 is to be used in lieu of P/A2.	2
30			RFI 17	Please reference Roof Plan A1. Roof Area 'Z' at the Eastern Edge Details P/A2 and V/A2 tagged at the same location. P/A2 is a Coping while V/A2 is a Built-in gutter condition, Please clarify!	2020-04-27	Please use detail V/A2 for the upper termination detail on the Eastern side.	2
31			RFI 18	Please reference Roof Plan A1. Roof Area 'Z' at the south western corner Detail P/A2 and W/A2 tagged at the same location. P/A2 is a Coping while W/A2 is a Built-in gutter condition, Please clarify!	2020-04-27	Each detail represents a different condition.	2
32			RFI 19	Is this School an FM insured facility? If so, The Adhesion of insulation to the Metal Roof Decks with Low Rise Aghesive is not an FM approved Assembly and has not been tested for wind up-lift pressures.	2020-04-29	NO, the School is NOT an FM Global insured facility.	2
33			RFI 20	Is Town Waiving the Town Permit Fee?	2020-04-27	No.	2
34			RFI 21	Is a Field Office Required?	2020-04-27	No.	2
35			RFI 22	Is Portable Chain-link Fencing required on job site? If so, Where?	2020-04-27	Yes, at defined work areas only.	2
36			RFI 23	Detail V/A2 identifies "Copper Downspout (Match Existing Profile)" shown incased with-in existing Masonry Wall. Is Roofing Contractor to demo existing Brick Wall System to install new leaders or to assume to re-use existing leaders as demo would be destructive and costly???	2020-04-27	Please attach to existing leaders within the walls.	2
37			RFI 24	List of Items, Schedule of Requirements, Scope of Work, Terms of Reference, Bill of Materials required.	2020-04-19	The project is a roof replacement and new photovoltaic installation.	2
38			RFI 25	Soft Copy of the Tender Document through email.	2020-04-19	Bid documents and information can be located on the town website.	2
39			RFI 26	Names of countries that will be eligible to participate in this tender.	2020-04-19	There are no restrictions, but the bidder must be capable of performing the work at the job location. The bidder must have completed comparable projects.	2
40			RFI 27	Information about the Tendering Procedure and Guidelines	2020-04-19	Bid information is located on the town website.	2
43			RFI 28	Estimated Budget for this Purchase	2020-04-19	The estimated budget is around \$2.5 million.	2
44			RFI 29	Any Extension of Bidding Deadline?	2020-04-19	No Bid extension is anticipated.	2
45			RFI 30	Any Addendum or Pre Bid meeting Minutes?	2020-04-19	Addenda and pre-bid meeting sign-in sheets are located on the town website.	2

PROVIDE ADDITIONAL WALKWAY PADS AT HATCH OPENING TO THE NEAREST WALKWAY PAD INTERSECTION.

INSTALL HATCH AT NEW LOCATION ON ROOF "H" COORDINATE W/ OWNER & ARCHITECT FOR EXACT LOCATION.

PROVIDE 3"X3" METAL ANGLE IRON (ALL SIDES) FOR NEW OPENING IN EXISTING DECK FOR NEW ROOF HATCH LOCATION.



NEW ROOF HATCH.

TERMINATION BAR W/ WATER CUT OFF MASTIC.

MOD. BIT. ROOF MEMBRANE.

MOD. BIT. FLASHING.

COVER BOARD.

TAPERED INSULATION.

PROVIDE INTERIOR METAL LADDER TO ACCESS NEW HATCH. SEE DETAIL N/A2 FOR SIMILAR CONDITION.

CONT. 5" BASE LAYER OF RIGID INSULATION.

EXIST. DECK. REMOVE PORTION OF EXIST ROOF DECK TO ALLOW NEW HATCH. COORDINATE W/ SPEC FOR SIZE.

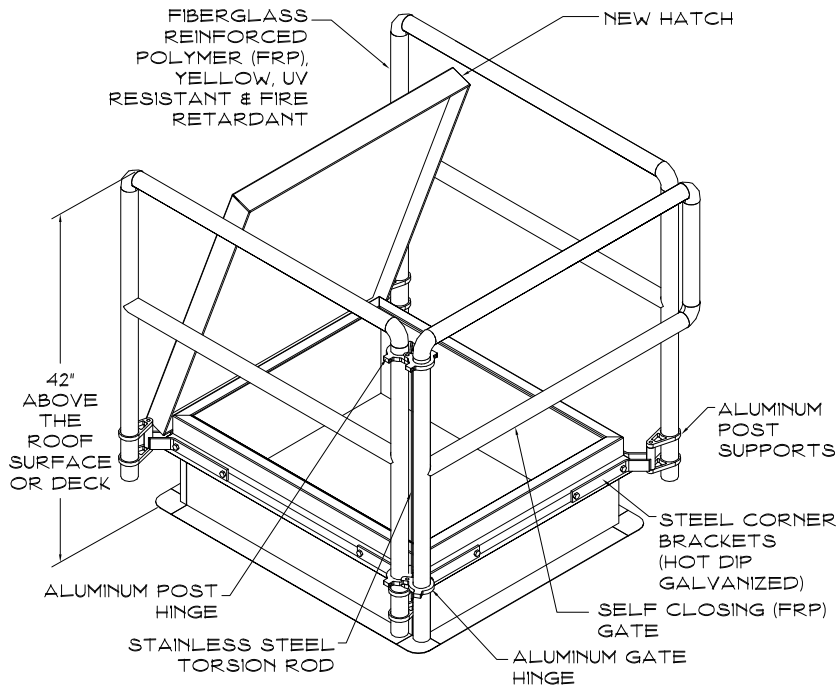
2X6 PT. WOOD BLOCKING. (MATCH INSUL. HEIGHT)

PROVIDE TAPERED BLOCKING TO LEVEL HATCH FROM EXISTING ROOF PITCH.

ROOF HATCH DETAIL

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

1
SK1



FIBERGLASS REINFORCED POLYMER (FRP), YELLOW, UV RESISTANT & FIRE RETARDANT

NEW HATCH

42" ABOVE THE ROOF SURFACE OR DECK

ALUMINUM POST SUPPORTS

ALUMINUM POST HINGE

STEEL CORNER BRACKETS (HOT DIP GALVANIZED)

STAINLESS STEEL TORSION ROD

SELF CLOSING (FRP) GATE

ALUMINUM GATE HINGE

ROOF HATCH SAFETY DETAIL

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

2
SK1

Project Title:

Mansfield Middle School Roof Replacement & Photovoltaic Project
205 Spring Hill Road
Storrs, Connecticut 06268

Drawing Title:

NEW ROOF HATCH DETAIL



SILVER / PETRUCELLI + ASSOCIATES

Architects / Engineers / Interior Designers
3190 Whitney Avenue, Hamden, CT 06518-2340
One Post Place, New London, CT 06320
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucelli.com

Date:

4-30-2021

Scale:

1/2" = 1'-0"

Drawn By:

K.LINSLEY

Project Number:

20.087

Drawing Number:

SK
A1