

**Roof Replacement at**  
**Dagsboro Readiness Center**  
State Highway 20  
Dagsboro, Delaware 19939

**ADDENDUM #2**  
**August 16, 2012**

**Delaware National Guard**  
**Project No. 15-2011**

This document amends the Project Manual and Drawings (dated July 18, 2012) for the above-referenced project.

Project:      Roof Replacement at Dagsboro Readiness Center  
                 State Highway 20  
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                 Delaware National Guard  
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This Addendum #2 has five (5) pages including this cover sheet.

### Questions for the Readiness Center

1. Section 02419 3.4A 1, 2, and 3

These items seem to offer contradiction. Number 2 states to remove existing system down to the substrate. Number 3 states to remove all existing wet, moldy, damaged and defective insulation.

[Section 02419 Selective Demolition, Part 1, Para 3.4, Nos. 2 & 3](#)

[Remove the existing roofing down to the substrate, i.e. the insulation. Wherever the existing insulation is "wet, moldy, damaged, or otherwise defective", remove it.](#)

2. Metal panels section 074113

What are the panel widths to be?

What color are they to be. In the spec book they say that full range can be any color including premium colors. This will affect our pricing.

Are the panels to have pencil ribs or striations in them? This will help with the oil canning. They include it in the specs but do not say they have to be in them. Section 074113 page 8 Section 2.5 C

Are the panels to be single locked or double locked?

[Section 074113 Metal Roof Panels](#)

[Panel width, see Part 2, Para 2.2, B5](#)

[Panel color, see Part 2, Para 2.2, B2b](#)

[Color: As selected by Architect from manufacturer's full range of standard colors.](#)

[Stiffening Ribs – Required. See Part 2, Para 2.2 B](#)

[Panel Locking – Double or triple, as standard with the manufacturer's listed.](#)

3. Section 076200 Page 8

Aluminum-Zinc Alloy Coated Steel (galvalume) gauges are called out that are not gauges that this material readily comes in. Industry standards for Galvalume are 22 and 24 gauge.

[Section 076200 Flashing and Trim](#)

[Metal Thickness, see Part 2, Para 2.8 A-F](#)

[As clearly indicated, the numbers are inches and millimeters, not gauges.](#)

4. 2.8 on page 8 B,C,D,E,F

Aluminum-Zinc Alloy Coated Steel does not come in these various gauges. It comes in 22 and 24 gauge.

[Section 076200 Flashing and Trim](#)

[Metal Thickness, see Part 2, Para 2.8 A-F](#)

[As clearly indicated, the numbers are inches and millimeters, not gauges.](#)

5. Page 076200-7 Section 2.7

Can the gutter be a 7" machine run gutter to cut down on the joint in the gutter?

The thickness of the gutter material called for is .028 and the specs are calling for the brackets and hangers to be a double thickness of the metal 2.7 A? This thickness will not support the gutters.

Do the outside gutter brackets need to match the color of the gutter and roof panels?

[Section 076200 Sheet Metal Flashing, see Part 2, Para 2.7 A](#)

[The paragraph does not call for the brackets and hangers to be double thickness. The paragraph reads  
"...of size recommended by cited sheet metal standard but with thickness not less than twice the gutter thickness."](#)

[The standards are cited in Part 2, Para 2.1](#)

[Performance Requirements include those of SMACMA and NCRA and cover all the work of Section 076200.](#)

Location of joints is covered in Para 3.3 Installation, General "...maximum of 10 feet with no joints within 24 inches of corner or intersections". By this addendum, all gutters shall be shop fabricated. The outside gutter brackets must match the color of the gutter and roof panels.

6. Detail 5 on A102 shows a reglet flashing on both sides and sealed with caulking. The existing wall show water infiltration and appear to have been a problem in the past. Can you install metal panels on each side of the wall to make sure there is no water entering the masonry wall?  
[Sheet A102, Detail 5](#)  
Bid the job with detail as drawn.
7. Detail 6 on A102 shows membrane flashing on the interior of the wall and a counter flashing on the outside of the wall. It appears that there have been issues there in the past with moisture entering into the masonry wall. Why not cover the outside of the wall with metal panels to keep moisture from entering the masonry and being kept water tight by a caulk joint?  
[Sheet A102, Detail 6](#)  
Bid the job with detail as drawn.
8. The roof details are showing a ½" protection board over the 3" insulation under the panels. What type of protection board is this?  
[Cover Board under Metal Panels](#)  
Same as that specified in Section 075216 for the SBS roofing.  
"Cover Board: ASTM 1278/C1278M, cellulosic-fiber reinforced water resistant gypsum, substrate ½ inch thick."
  1. Products subject to compliance with requirements, provide the following:
    - a. USG Corporation: Securock"
9. The roof details are showing ½" cover board under the SBS Roof. What type of cover board is this?  
[See No. 8 above.](#)
10. What is the existing insulation and protection board under the metal panels? A nail base board or is it insulation and a ½ OSB or plywood installed over the insulation?  
[Existing Insulation](#)  
The original design, prepared several years ago by another architectural office, only indicates "rigid insulation".
11. The specifications do not call out tapered insulation. The roof drawings are calling for tapered insulation. If there is to be tapered insulation what is the slope of the tapered and what is the average R value of the tapered system to be?  
[Membrane Roofing Insulation](#)  
The slope shall be a minimum of 1/8" / ft., maximum of ¼" / ft. Base layer shall be 2". Minimum R value for the insulation shall be 6.0 / inch.
12. Is there to be a base layer? Is so what size?  
[Membrane Roofing Insulation](#)  
The slope shall be a minimum of 1/8" / ft. maximum of ¼" / ft. Base layer shall be 2". Minimum R value for the insulation shall be 6.0 / inch.

13. Specifications are calling for walk pads. There is no layout for the pads included on the drawing.  
[Section 075216 Membrane Roofing Part 2, Para 2.3 Walkways - Delete](#)
14. What is the detail for fascia at the front canopy? Should the gable end match existing? There is metal work here under the canopy to tie into.  
[See similar detail 3/A101](#)  
[Fabricate to match detail profile.](#)
15. What is the detail for the eave at the front canopy? States “similar” to A101. There is existing metal trim that ties into the barrel roof.  
[Detail should be fabricated to match the same profile 3/A101.](#)
16. The existing soffits are loose in places and falling down. They are currently pvc. Do you want them replaced with metal?  
[The drawings state “Soffits to be removed and reinstalled as required”.](#)
17. It appears that the gutters have been damaged by snow. Should snow guards or rails be installed?  
[No.](#)
18. The fascia metal around the building perimeter is wide. Should stiffening ribs be installed in the fascia to reduce oil canning and buckling?  
[No.](#)
19. On the upper drill room, should gutters be installed around the entire perimeter to limit the amount of water running off onto the small SBS section?  
[No.](#)
20. Are the existing vent stacks to be moved so they do not run into the seam of the panel?  
[Existing Vent Stacks](#)  
[Existing stacks are not to be moved.](#)
21. Supplementary General Condition 3.2.3 states to delete third sentence in the paragraph, however there is no third or second sentence.  
[Supplementary General Conditions Para 3.2](#)  
[Delete the sentence reading “Delete the third sentence in Paragraph 3.2.3”.](#)
22. Supplementary General Conditions Para 3.5.1-3.5.4 references “perfect condition.” Please define perfect condition.  
[Supplementary General Conditions Para 3.5.1 – 3.5.4](#)  
[The text of the Supplementary General Conditions is that required by the Delaware National Guard.](#)
23. Supplementary General Conditions 3.17 states to insert indemnify between shall and hold in the first sentence. This is not applicable to the first sentence as both words are not present.  
[Supplementary General Conditions Para 3.17, Correct the sentence to read:](#)  
[“In the second sentence in the paragraph insert ‘and indemnify’ after the work harmless”.](#)

24. Supplementary General Conditions 9.8.5 states to replace shall with may. What is the reasoning behind this, as “may” insinuates that the owner is not obligated to follow through.  
[Supplementary General Conditions, Para 9.8.5](#)  
[This is the language required by the Delaware National Guard.](#)
25. Supplementary General Conditions 10.1.2 discusses safety meeting. Please disclose the required meetings and how often.  
[Supplementary General Conditions, Para 10.1.2](#)  
[As stated “If deemed necessary by the Owner or Architect” attention is also called to Section 013100 Project Management, Part 1 Para 1.4 Project Meeting.](#)
26. Supplementary General Conditions 11.3 states to delete this paragraph in its entirety. There is no paragraph 11.3, please advise.  
[Supplementary General Conditions, Para 11.3](#)  
[There is a paragraph 11.3, §11.3 Property Insurance in the General Conditions. Delete as required.](#)

### Substitutions

[These requests for substitutions were made by the cut-off date and are hereby approved in addition to the manufacturers named in Section 074113 Standing Seam Metal Roof Panels.](#)

[The approval does not relieve the approved manufacturers from meeting all requirements of the drawings and specifications for the metal building panels.](#)

[Carlisle Metal Roofing Vertical Rib SS Panel](#)  
[Firestone UC-6 Standing Seam Roofing](#)