

January 20, 2021

**ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS**

**RFB NO. 319031 - ADDENDUM NO. 1  
HIGHWAY SATTELITE BUILDING-VERONA**

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**BIDS DUE:** TUESDAY, JANUARY 26, 2021 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

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This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

**PLEASE MAKE THE FOLLOWING CHANGES:**

**1. Section 08 71 00**

Page 4 - Delete reference for automatic swing door operator.

**PLEASE NOTE THE FOLLOWING CONTRACTOR SUBMITTED QUESTIONS:**

1. **Q,** These building's specs call for R-38 fiberglass system with liner panel in the roof and the walls call for R-25 with 6 mil poly for a vapor barrier. That's not uncommon if there's full height liners but the drawings only show liners up to 8'. I just want to be sure that is what is really required. The drawings aren't specific but they show something even different (R-33 roof w/ vapor barrier and R-19 wall with 6 mil poly). For the roof, it shows no liner panels so I assume they want either a liner system or long tab banded. Can you find out what is correct?

*A: The roof and wall insulation should be held in place using a fabric liner system and 1" wide straps, plus a vapor barrier on the warm side of the insulation. On the interior side of the walls, there is vertical ribbed metal panels up to 8'-0". Above that the fabric liner system will be exposed. R-value should be roof R-38, wall R-30.*

2. **Q,** We have a question on the insulation system and are requesting an approved equal substitution below for both of these jobs.

The exterior metal wall panel is called out in the specification as VP Tech Four panel. This panel has a 2" cavity in it. The 2" cavity in the panel plus the 8" girt cavity is 10". The insulation called out in the specification is 8" R-25. This will not fill the entire 10" cavity and will leave air voids in the envelope which will cause condensation problems. Our suggestion, if the panel is to stay as a tech four panel, is to use 16" unfaced friction fit insulation in the panel cavity and 8" to 10" unfaced insulation in the girt cavity that is supported by barbed hangers (insulhold).

Also, 8" insulation is R-25 or u value of .059. Climate zone 6, I believe, calls for a minimum of .052 which would be equal to 10" insulation (R-30). Please advise what insulation thickness and system to use.

We would like to request that American Buildings, a Nucor company be an approved manufacturer. American's product line is nearly identical to two other manufacturers listed; Nucor Building Systems and Kirby Building Systems.

*A: The wall insulation should be 10" for the entire cavity for an R value of (R-30). The Wall panel can be an equal to the VP Tech Four panel.*

3. **Q,** I saw that you have specified a Stanley Magic Access Automatic Swing Door Operator on page 4 of Section 087100 for this project and was wondering what we would need to do to bid our Tormax as an equal product?

*A: No automatic swing door operator required on this project – delete reference.*

4. **Q,** I'm looking at this project and see that it is a pre-engineered building. Will all the electrical be completed by the building manufacturer or will this be completed on site by an EC? This is a gray area for these pre-fabricated buildings now, sometimes them arrive on site all inclusive.

*A: Electrical to be completed on site by an electrical contractor.*

5. **Q,** What type of conduit and fittings do you require for the Class 1 Division 2 area? The NEC recommends various conduit and fittings that can be used in these locations. Just curious if you had anything specific that needs to be installed in these locations.

*A: Rigid metal conduit, intermediate metal conduit (IMC) shall be used per NEC. Liquidtight flexible metal conduit with listed fittings may be used where a flexible connection is required per NEC. Provide conduit seals leaving Class 1 Div 2 area per NEC. Boxes and fittings not required to be explosion proof if they contain no arcing devices per NEC. Explosion proof boxes and fittings are required if they contain arcing devices.*

6. **Q,** Discussing both these building projects with our metal building vendor and insulation vendor, I have some questions/clarifications below. I have attached information per WI energy code requirements for PEMB and insulation requirements.

1. Are the buildings heated storage or held above freezing?

*A: Yes*

2. Is the roof insulation system, a two layer insulation system w/ fabric? Ex. Simple Saver System. If so, R-36 is minimum. 8" plus 3" over the purlins.

*A: Yes R-36 is required - 8" plus 3" over the purlins.*

- 2A. If two layer system is required, the roof panel should be Standing Seam Roof (SSR) not ribbed panel?

*A: It is not required to do a standing seam roof system, if your system requires the roof to be a standing seam then that is what you are required to bid.*

3. The wall insulation system to meet WI energy code requirements should be a minimum of R-30, which is 8" single layer system. Confirm this wall insulation system will be changed?

*A: Per above, the wall cavity must be 100% filled with insulation 2" wall panel + 8" purlin total insulation 10" R30.*

4. Cable/rod x-bracing for walls is required. Some windows will have to allow for x-bracing or should PEMB be priced with half-loaded frames for end walls and portal frame for low sidewall to remove x-bracing?

*A: X-bracing is allowed to go over windows*

5. Elevation 4 (West) on A202 of Verona set and Elevation 4 (North) on A202 of Albion set shows window placed where metal building wind column is shown. For pricing, window framed opening to be 1'-0" off frame line B?

*A: OK to move window*

6. What all needs to be priced for the future bathroom? HM frame & door? Plumbing fixtures?

*A: Include any underground plumbing for future toilet room fixtures, capped flush with finished floor.*

7. Room Schedule 101 shows metal panel on all walls. Vinyl base over metal liner panel? Drywall needed with insulation system fabric? Vinyl base over CMU walls?

- A: 101 will not have vinyl Base (VB) on any of the walls.*
8. Paint Schedule: Walls to be painted are the CMU walls only, correct? Want to paint metal liner panel when has a finish already?  
*A: The CMU and the primed steel is required to be painted. The factory finished liner panel does not need to be repainted.*
7. **Q**, We are a Metallic Building dealer and would like to get them approved as a metal building supplier for these projects. Please see the attached letter from Metallic. As you can see they are part of Cornerstone Building Brands as well as Star and Ceco who are already approved metal building suppliers in the specifications.  
*A: Metallic Building Systems is approved to bid on this project, must meet or exceed the specifications.*
8. **Q**, We are an American Buildings dealer who is an approved supplier for this project however there is specific Tech Four wall panel which is specific to VP. I would like to get an approved liner & wall panel from American Buildings for this project.  
*A: American Buildings is approved to bid on this project, must meet or exceed the specifications.*
9. **Q**, The plan calls for a 2,000 Gal tank. The spec calls for a 6,000 tank.  
*A: The intent is 2000 gallon storage tank, and it should not be with grease intercepting and oil separation. It should just be a holding tank, since the holding tank will be pumped out. This tank is for the floor drains, not future sanitary/septage*
10. **Q**, County Materials would like to submit our CMU units on this project. I've attached a Letter of Compliance for our Concrete Masonry Units, as a comparable product specific to the Concrete Masonry Units for Division 04 20 00 - 4 of the specifications that meet or exceed all ASTM C90 standards and testing methods of ASTM C140.  
*A: County Materials CMU products are acceptable to bid on this project, must meet or exceed the specifications.*
11. **Q**, Your specifications refer to soil borings that were done and we're hoping that you can include the borings in the pending addendums.  
*A: As indicated at the pre bid, there are no soiling borings for the Verona site.*
12. **Q**, Are there more plan sheets coming out on this project? The plan notes keep referencing E508 but that sheet is not in the plan sets.  
*A: All reference to plan sheet E508 should be E501.*
13. **Q**, We have had some specific questions come our way regarding the Landscaping Plan. We have directed our subs to look in the spec book for the answers they need as the specs say to refer to the landscape plan / drawing, however there isn't a plan. Is there a landscape plan being released at a later time that you know of?  
*A: A grading plan for Verona will be issued with Addendum #2, but grading will be limited to excavation for building footings, concrete around the building and limited site work. No stormwater facilities need to be constructed.*
14. **Q**, Could you give a better explanation of the class 1 division 2 area at the ceiling. Are we to use explosion proof boxes and fittings everywhere? Or is the class 1 division 2 area meant to have rigid conduit at the ceiling to protect it from physical damage. I'm having trouble interpreting what they are asking for. Are we supposed to run rigid on the ceiling and then once below the 18" below the ceiling, we can use EMT and set screw fittings everywhere else? Do we need to use conduit seal offs for the conduit existing the classified area where the CNG equipment may interfere with electrical?

*A: Rigid metal conduit, intermediate metal conduit (IMC) shall be used per NEC. Liquidtight flexible metal conduit with listed fittings may be used where a flexible connection is required per NEC. Provide conduit seals leaving Class 1 Div 2 area per NEC. Boxes and fittings not required to be explosion proof if they contain no arcing devices per NEC. Explosion proof boxes and fittings are required if they contain arcing devices.*

**15. Q,** What is the design code version? (IBC 2012?)

*A: The applicable building code is the Wisconsin Commercial Building Code (SPS 361-366) and IBC 2015.*

**16. Q,** is the ground snow 30 psf?

*A: Yes.*

**17. Q,** Min roof snow load is 21 psf?

*A: Yes, based on ASCE 7-10.*

**18. Q,** Is the dead load to be 7 psf?

*A: Yes, or more if the building that is bid requires it.*

**19. Q,** And the collateral load to be 5 psf?

*A: Yes.*

**20. Q,** Are all column to be recessed -8" per details 8 & 9/S901?

*A: Yes.*

**21. Q,** Specification section 133419 1.2.D.1 b.8 calls for deflection limits on 'office addition' and 'west bay addition'? Are these typos from a previous job?

*A: The maximum roof and exterior wall deflection is L/240.*

**22. Q,** Specification section 133419 1.7.B calls for '50 yr weathertightness endorsement.

Behlen offers a roof panel 20 yr standard weathertightness warranty-

Is this acceptable? No weathertightness warranty can be offered for wall panel systems.

*A: Provide a roof panel 20 yr standard weathertightness warranty*

**23. Q,** Specification section 133419 2.1.B.12 calls for Primer FS-TT-P-31 White. Specification section 133419 2.3.E.1 calls for TT-P-636 This is no longer a valid specification section. SSPC paint requirements are the current standard. Behlen Dark Gray primer is applied per SSPC Paint 15 over steel cleaned per SSPC SP-2.

Is this acceptable?

*A: Yes Behlen Dark Gray primer Is acceptable or equal.*

**24. Q,** Specification section 133419 2.1.P.4 calls for red primer- Behlen standard is dark Gray primer.

Is this acceptable?

*A: Yes Behlen Dark Gray primer Is acceptable or equal.*

**25. Q,** Specification section 133419 2.3.E.1a calls for purlins to be dip tank coated in electro-deposition method.

All Behlen secondary members are fabricated with pre-galvanized G40 material. Is this acceptable?

*A: pre-galvanized G40 material is acceptable.*

**26. Q,** The wall panels specified as VP Tech Four cannot be matched with panels from any of our current vendors-

Are McElroy MSR panels an acceptable substitute since the soffit panels are also specified as McElroy? The difference is that the VP panels are 2” deep with 4 sections and these are 3” deep with 3 sections. (see enclosed data sheets)

*A: Yes McElroy MSR panels are acceptable substitute, if wall cavity changes contractor must supply a 100% filled insulated cavity with a minimum R-30.*

**27. Q**, Several panel sections call for panel material of ASTM A653 but Behlen standard coil material is per ASTM A792 AZ50 – Is this acceptable?

*A: Yes Behlen standard coil material is acceptable as long as it meets or exceeds the specifications*

**28. Q**, Are roof panels to be Galvalume or Kynar finish? Are wall panels to be Kynar or Cerm-a-star (siliconized polyester?)

*A: Roof panels to be Kynar finish or Equal and wall panels to be Kynar or Cerm-a-star (siliconized polyester?) or equal.*

**29. Q**, Plans call for R-33 roof insulation – section 133419 2.1.K calls for R-38 double layer system. We will bid the R-38 option unless directed otherwise.

And specification section 133419 2.1.O.3 calls for Guardian R-40 Energy Saver system?

*A: R-38 double layer system*

**30. Q**, Are thermal blocks required?

*A: No thermal bridging allowed, if your system requires thermal blocks then yes they need to be provided.*

**31. Q**, Detail 8 on Sheet S901 calls out (4) #9 vertical bars and the schedule calls out (4) #8 vertical bars. Which is correct?

*A: Follow the schedule – (4) #8 bars.*

**32. Q**, Will all the electrical be completed by the building manufacturer or will this be completed on site by an EC? This is a gray area for these pre-fabricated buildings now, sometimes they arrive on site all inclusive.

*A: The entire bid is under a general contractor how you group the sub bids together are up to you. Typically, the electrical is not completed by the building manufacture.*

**33. Q**, Specification section 133419 1.7.C calls for ‘extended life endorsement’ on coated steel. What is the term required for roof and wall panel finishes?

*A: 5 Year warranty is acceptable.*

**34. Q**, Specification section 133419 1.6 lists alternates in section 01 2300 but there is no section in this packet Are there any alternates to be priced?

*A: No Alternates on these projects.*

**35. Q**, Specification section 133419 1.7.A calls for ‘Mfr’s std warranty covering complete assembly-Is this for materials and workmanship? Behlen offers a 5yr coverage – is this acceptable? If not, what is the term of the warranty and what items are to be covered?

*A: 5 Year warranty is acceptable.*

**36. Q**, Will the utility company trench and provide the secondary conductors and conduit from the transformer to the meter pedestal?

*A: Yes*

**37. Q,** Confirm asphalt paving is required per Quam Engineering site plan dated 8/13/20. There is no information in specs.

*A: Asphalt paving is not anticipated for the Verona site.*

**38. Q,** I was told that there is asphalt on this project. I wanted to clarify on the area that you are looking for. I attached a highlighted plan that would be around 22,500 SQFT of new asphalt. Let me know if this is the area that you are looking to have the new asphalt.

*A: Asphalt paving is not anticipated for the Verona site.*

**39. Q,** The smoke detectors talked about being tied into a fire alarm panel. I don't see one on the print under electrical. Is there a fire alarm panel for this project?

*A: There is no fire alarm panel.*

**40. Q,** Is the mechanical division providing the smoke detectors?

*A: Refer to mechanical drawings. No smoke detectors required under electrical work. There are sensors for CO and NO2 for ventilation. See electrical power and systems sheet note #4.*

**41. Q,** Is Rm. 101 considered a damp location? It's confusing if we are to use EMT in the unclassified area or if we need to use rigid conduit.

*A: Yes, damp location. Rigid or IMC shall be used per NEC in Class 1 Division 2 space. Liquidtight flexible metal conduit may be used per NEC where flexile connections are required. Provide seals as required by code. Conduit below Class 1 Division 2 space is EMT.*

**42. Q,** The plan shows a 200AMP Meter Pedestal but a 250AMP MLO Electrical Panel feed from a 200AMP Main Circuit Breaker...can we confirm the amperages?

*A: Main circuit breaker is 200 Amp and feeder is 200 Amp per power and systems sheet notes 8 and 9.*

*Panel A may be 200 Amp or 225 Amp. 250 Amp on panel schedule is incorrect.*

If any additional information about this Addendum is needed, please contact Ryan Shore at 608/445-0109, shore@countyofdane.com.

Sincerely,

*Ryan L Shore*

Project Manager

Enclosures:

N/A