

May 27, 2016
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
Y16-770 / ADDENDUM #1

ORANGE COUNTY CONVENTION CENTER PRE-ENGINEERED METAL BUILDING

Bid Opening Date: June 7, 2016

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

A. The Bid Opening Date remains as June 7, 2016.

B. The following are revisions to the specifications:

1. **Metal Building Systems Specification 133419-5 and 6, PARTS 2-PRODUCTS, paragraph A, see attached page (1) regarding additional manufacturers.**

C. The following are questions/responses/clarifications:

Question 1: Sheet S-001 shows Building Risk Category I. Risk Category I is applicable in only very isolated conditions where there is no human occupancy at any time such as a horse barn. Given the usage of this building it clearly falls under the Risk Category II classification. Please confirm with the Engineer of Record that the building is to be Risk Category II. This, in turn, would change the Ultimate Design Wind Speed to 139mph instead of 129mph.

Response 1: Risk categorization changed from ASCE 7-05 to 7-10. Based on following the risk assessment procedures to determine hazard in ASCE 7-10 the building is a Category I. The building does not have permanent occupants as it does not have restrooms, offices, or conditioned space. The occupancy is transient (as it would be in a barn or other storage structure).

Question 2: Sheet S-002 has a note under Detail 3 that states that the shaded area is to be "designed by PEMB Manufacturer for an additional uniform line loading of 20 lb/ft spaced no closer than 4'-0" apart." Given that the entire roof area is shaded this should be given as a uniform collateral load in pounds per square foot. What is the exact reason for this load? Sheet S-001 already shows a uniform collateral load of 10psf which is sufficient to cover MEP related items as well as sprinkler loads if present. Please have the Engineer of Record provide clarification as to what the purpose of this load is and to provide the load as a uniform collateral load if this must be in addition to the 10psf collateral load shown on Sheet S-001.

Response 2: These are very specific loadings to support owner provided storage mechanism for lighting fixtures and should not be converted to a PSF loading as we anticipate the secondary purlins will see concentrated reactions from the support points and must be designed as such. The load is already noted as being in addition to the loadings on S-001.

Question 3: The spec 133419-13 / 2.6.A.2 calls out for the walls to be a 36" coverage panel and to have high ribs 6" on center that is 3/4" tall. Standard in industry is 36" coverage with high ribs 12" on center that are 1 1/4" tall. We don't offer the 6" on center panel with Nucor Building Systems. (Same with liner panel)

Response 3: Industry standard is acceptable.

Question 4: Spec 133419-13 / 2.6 A.1 and B.1 calls for wall panels to be .030 inch thick which calculates out to be a 22 gage panel. Standard in industry is 26 or 24 gage. We can provide a 22 gage but there will be a minimum size coil charge. What gage do y'all want me to price?

Response 4: Industry standard 26 gage is acceptable.

Question 5: Spec 133419-13 and 14 / 2.6 B calls for an exposed fastener liner panel and 2.6 C calls for a hidden fastener liner panel. Which do we use?

Response 5: Exposed fasteners are acceptable.

Question 6: Does the liner panel go full height on all 4 walls?

Response 6: For base protection, provide 3/4" plywood with metal framing support around columns, and on interior wall surfaces - height up to 6 ft. Please see note on Wall Section 2, sheet A-601.

Question 7: Spec 133419-6 / 2.2 I and J mentions liner panels on the roof and walls. Does both get liner panels?

Response 7: Liner panels for roof, and please see response to question # 4 for walls.

Question 8: Plans show a small overhang all the way around perimeter of building at roof line. It appears to be around 1' or so. Normally there is no overhang at top, since it does nothing but add cost. Do we need to have an overhang at roof line and if so, how far does it project?

Response 8: Yes, overhang is 1'-10" from column line.

Question 9: Sheet S-001 under the pre-engineered metal building systems section item #4 calls for the manufacturer to design the anchor bolt. The pre-engineered metal building companies will give the quantity, diameter, and reactions. But since they are not involved with foundation design and know nothing about the soil conditions, they do not design the length of the anchor bolt. This should be done by the foundation engineer.

Response 9: Note 4 is referencing to the anchor diameter and layout, which is finalized and provided by the PEMB engineer. Refer to sections and details on Sheet S-201, which clearly indicate the specified embedment and proposed layouts for anchor bolts. These details also indicate that final anchor and layout shall be determined by PEMB as is normally done on this type of project.

Question 10: Electrical Specifications section 260526 refers to Grounding, Bonding and Lightning Protection. The electrical drawings show no details with the exception of main electrical service grounding. What extent of the grounding are we required to install in bid?

Response 10: Provide grounding for the main electrical service only as indicated on the drawings.

Question 11: Electrical drawing E-S101 shows proposed location of 'New Utility Provided pad Mounted Transformer' to feed this building. The site visit found the possibility of trees at this location but could not confirm. Drawing C-100 shows existing location and Note 4 of Utility notes reads a minimum 5 foot separation shall be maintained between all underground utilities existing/proposed trees. What is required for bidding? Are there any utility and coordination fees associated with this project?

Response 11: The proposed location for the new utility provided pad mounted transformer is just that, a proposed location. Drawing C-100 shows some shrubs near the proposed transformer location, but no trees. Furthermore, the proposed new transformer pad location is clearly away from the shrubs. Ultimately, the contractor shall coordinate the final transformer location with the utility company. The Contractor is responsible for all specialty permits and fees for this project. OC pays only for the Building Permit.

Question 12: Is it correct that there is no fire alarm?

Response 12: Correct. A fire alarm system is not required. (Atkins, Geary Heinrich, 5/19/16)

Question 13: In reference to Section 13, page 133419-14, Finishes, can you please clarify how many coats will be required? Is it the 2 coat Fluoropolymer of the 3 coat Fluoropolymer?

Response 13: Two (2) coats of Fluoropolymer are required.

Question 14: The Specifications stipulate on 3 metal building manufacturers. Will Orange County consider any additional manufacturers?

Response 14: Yes. The Project Specifications have been amended to include 3 additional metal building manufacturers:

Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include the following:

- 1. Butler Manufacturing**
- 2. Olympia Metal Buildings**
- 3. AmeriBuilt Steel Structures**

Above 3 manufacturers are the bases for design. The following are allowable substitutions that can be incorporated in the bid proposal:

- 1. Nucor Building Systems**
- 2. Star**
- 3. DEAN**

No other manufacturers will be considered during the bid. Should the awarded Contractor have a substitution request, they shall follow the Substitution process described in spec section 012500.

- D. All other terms and conditions of the IFB remain the same.
- E. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

Receipt acknowledged by:

_____	_____
Authorized Signature	Date Signed

Title	

Name of Firm	

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- B. Source Limitations: Obtain metal building system components, including primary and secondary framing and metal panel assemblies, from single source from single manufacturer.

2.2 SYSTEM DESCRIPTION

- A. Provide a complete, integrated set of mutually dependent components and assemblies that form a metal building system capable of withstanding structural and other loads, thermally induced movement, and exposure to weather without failure or infiltration of water into building interior.
- B. Primary-Frame Type:
1. Rigid Clear Span: Solid-member, structural-framing system without interior columns.
 2. Rigid Modular: Solid-member, structural-framing system with interior columns.
 3. Truss-Frame Clear Span: Truss-member, structural-framing system without interior columns.
 4. Truss-Frame Modular: Truss-member, structural-framing system with interior columns.
 5. Lean-to: Solid- or truss-member, structural-framing system, designed to be partially supported by another structure.
- C. End-Wall Framing: Manufacturer's standard, for buildings not required to be expandable, consisting of load-bearing end-wall and corner columns and rafters.
- D. End-Wall Framing: Engineer end walls to be expandable. Provide primary frame, capable of supporting full-bay design loads, and end-wall columns.
- E. Secondary-Frame Type: Manufacturer's standard purlins and joists and flush-framed girts.
- F. Eave Height: as indicated on Drawings.
- G. Bay Spacing: As indicated on Drawings.
- H. Roof Slope: 2 inches per 12 inches (1:6).
- I. Roof System: Manufacturer's standard trapezoidal-rib metal roof panels.
1. Liner Panels: Tapered rib.