

August 21, 2019

## PRE-BID COMMENT RESPONSE MEMO

FL CERTIFICATE OF AUTHORIZATION: 6106

To: Judith A. Rees, C.P.M, A.P.P.  
Embry-Riddle Aeronautical University

From: Gary A. Wilkerson, P.E.  
Salas O'Brien

Reference: Embry-Riddle Aeronautical University Print Shop  
SOBE #19005

Subject: Pre-Bid Contractor Question Responses

### Panel

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Comment: Sheet G2.101: Hollow Metal Door Frame details have incorrect wall thickness, should be 4-7/8" not 4-5/8".

**Response: Acknowledged.**

Comment: Sheet A1.101 - Partition Schedule - Type 5A: please specify the size of metal stud required.

**Response: Depending upon the spacing of the metal girts, 2-1/2" metal framing could work. The intent is to minimize the impact to the size of the interior space. Drawings show 3-5/8" rotated with the short dimension towards the interior.**

Comment: Sheet A4.102- Detail 2: please specify size of metal stud that supports the ceiling.

**Response: Metal framing in this area needs to be engineered for wind uplift and ceiling support. Metal framer to determine gauge & size.**

Comment: Sheet A4.101: please provide a framing detail for the Soffit and Fascia; size of studs, furring channels, sub-fascia framing; Fascia finish detail. Please provide framing detail for exterior windows and doors.

**Response: Metal framing in this area needs to be engineered for wind uplift. Typical window details are shown on G2.102. Additional door details will be provided in Revision after contractor selection.**

Comment: Please provide framing details for exterior windows and doors.



**Response:** See previous response.

Comment: Specification 2.5 Metal Roof Panels - A, states "formed with vertical ribs" - A.1 states "SSR Standing seam Roof w/ thermodeck"

- a. These are 2 different roofs
- b. Do just want the deck under the roof? As shown on A4.102/1
- c. Thermodeck is for High R value roof systems -R-30 (shown same detail) does not require a High R Assembly - thermodeck doesn't work with SLR11 roof panel.
- d. Cool Metallic Silver (2.5.A.1.a.2) is standard color for SLR11 (Vertical Seam) or a Special Color for SSR (trapezoidal seam).

**Response:** Basis of design should be the SLR11 roof with R-30 insulation with the Cool Metallic Silver finish. Thermodeck not required if the R-30 can be achieved with the roofing insulation.

Comment: No deflections are given - V/240 frames H/60 Frames V/240 Purlins H/90 Girts - code minimum for serviceability?

**Response:** Centria Wall panels confirmed L/180 with a 1/2" maximum deflection.

Comment: No Collateral load given - 5LB psf ok?

**Response:** Only lights, cable trays and ductwork are being suspended. 5lb is acceptable.

Comment: Gutters and Downspouts (all trim) are prefinished galvalume - not aluminum - is that OK? Columns are shown held straight. Is this ALL exterior columns? Is there a minimum /maximum size? None shown/given.

**Response:** Gutters & downspouts should be prefinished dark bronze. Metal substrate does not have to be aluminum. All exterior columns to be straight. Size to be determined by metal building manufacturer engineered to meet Code. See attached rendering for color palette.

Comment: In order to determine the sub framing spacing behind the panel systems, we would need to know the required wind loads for the components and cladding. This info is usually found on the structural drawings. This would also impact fastener spacing and likely fastener quantity. I would request the components and cladding wind load requirements for the building.



**Response:** **Wind load information shown on S-100. Also reference FBC 2017 & ASCE 7-10 for wind pressures and loading requirements.**

Comment: Switching panel direction within the plane of a wall might be difficult to detail with an attractive flashing detail. I would like the architect to provide a detail cutting through the transition from horizontal to vertical panel (red lines below).

**Response:** **In order to simplify the design and reduce costs, please eliminate the change in metal panel direction shown on exterior elevations 1, 3 & 4. On the larger 'box' run all panels vertically.**

Comment: This orientation issue will also impact the orientation of the back-up metal-wrap panel or at least the sub framing behind the panels. Panels are typically attached to sub framing that is running the opposite direction for engineering purposes (i.e. horizontal panels go over vertical sub framing). I don't think that any of this has been considered. There will have to be some sort of vertical supports behind the horizontal panels.

**Response:** **See previous response.**

Comment: There is going to need to be some sort of member to attach the panels to at slab level and at the roof. We are dealing with this very issue on another job right now where we had to install angles at the slab and roof to be able to attach the ends of the panel system to. The size and fastening requirements of these attachment points are all dependent upon the wind load requirements.

**Response:** **The addition of angles at the slab and roof are acceptable. However, coordinate with the panel manufacturer and metal building manufacturer on the locations of the girts. Coordination between the two trades may eliminate the need for these angles.**

Comment: Please clarify intent on Phone/Data cabling: Drawing calls for 2 cables at each jack location. Who is to terminate & test??

**Response:** **Scope for Phone/Data is conveyance only. Notes on E1.2 revised.**

Comment: Drawings show relocating Data Rack from existing building. Who is responsible for terminations & testing??

**Response:** **Relocation of data rack from existing building removed from scope of contractor. Notes on E1.2 revised.**



Comment: Drawings call for an 800amp service, this requires a CT cabinet. This is not shown. Please clarify & adjust riser diagram & sheet E1.1.

**Response: CT cabinet has been added to exterior of building. Drawings E1.1, E1.2, E5.1 and E6.1 revised to reflect new configuration.**

Comment: There are discrepancies between the feeder lengths shown in the feeder table on sheet E6.1 & the distance as scaled on sheet E1.1. Please clarify.

**Response: The scale on sheet E1.1 was incorrect. The correct scale is 3/32" = 1'-0".**

Comment: Sheet E1.1 appears to depict a 120/240 open delta service to the existing building. The new service is 120/208Y do we need to include labor to adjust equipment in the existing building to the new system voltage?

**Response: No adjustments to equipment in the existing building are required. Only scope is to provide new nameplates per General Note 4 on sheet E1.1.**

Comment: If the AIC rating of the new transformer exceeds the rating of the switch gear in the existing building, how do we proceed??

**Response: The modifying equipment in the existing building is not in scope.**

Comment: Please provide a specification the Toilet Partitions.

**Response: Toilet partitions to be Scranton Products Hiny Hiders, floor mounted overhead braced, standard panels & doors, color selected from traditional color collection.**

Comment: The Door Schedule on sheet #G2.101 indicates that opening #103A has an F1 door frame. However, on the floor plan, sheet #A1.101 shows this opening to have a sidelight similar to door frame F2. Please provide clarification as to which frame type is to be used at this location.

**Response: Correct, frame to be F2 at 103A.**

Comment: Sheet #6 of 19 on the civil plans show new 6" concrete with fibermesh to be placed directly adjacent to the "Proposed 2 Story Building." Is it intended to place concrete in these locations indicated on the drawings even if it may interfere with the future project of the proposed building? Please provide clarification.

**Response: The scope of site concrete work associated with the Print Shop (this bid) is limited to the new service drive and connection to existing sidewalk (behind**



**existing Facilities Building) as illustrated on sheet A0.100 SITE PLAN. The remainder of the site work outside of this limit (associated with the Proposed 2 Story Building) is not included.**

Comment: Room # 105 (Secure Storage) and Room # 107 (Janitor) illustrate what appears to be a 1x4 strip light in the middle of each room. The fixture type shown is an R1. These are believed to be fixture type "S". Please advise.

**Response: The fixtures in Rooms 105 and 107 are Type "S". Drawing Revised.**

Comment: Room #104 (Women's Restroom) and Room #106 (Men's Restroom). It is illustrated that a type "S" lighting fixture be supplied over the vanity in (1) location each room. After reviewing A1.110, there is a back-lit mirror light called out with reference to see the electrical drawings. Please advise if the mirror light is desired, or if a type "S" light is to be installed above the mirror.

**Response: Mirror light is desired in both restrooms.**

Comment: Vestibule #110. Please confirm the location for the lighting control switch (nPODM) illustrated on the Lighting Control Diagram on E6.3.

**Response: Switch located adjacent to North exit door. E1.3 Revised.**

Comment: Drawing E0.1 Reference installing back boxes with 1" conduit to accessible ceiling and a blank plate on the box for data outlets. Drawing E1.2 general note #4, references installing (2) Cat 6 cables from the rack to each data/telephone outlet. Please advise if low-voltage data wiring is desired to be carried or if it will be provided by the owner's vendor.

**Response: Scope for Phone/Data is conveyance only. Notes on E1.2 revised.**

Comment: Please confirm that wiring, terminations, and devices for this system, are being provided by the owner's vendor. If not, please provide specifications.

**Response: Scope for Phone/Data is conveyance only. Contractor not responsible for wiring, terminations, or devices.**

Comment: Please provide a copy of the Soils Report.

**Response: A copy of the Soils Report is attached for reference.**

**END OF DOCUMENT**

