

## 42220110 Building 4-19 RFI Responses:

### Clarifications:

Provide type 2 SPD internally mounted in panelboard without reduction in number of branch circuit poles.

Dwg. E.1.1 – Power plan – Branch circuit for CU-1 shall be P1-39,41 and shall be the GFCI type.

Dwg. E.1.1 – Power plan – Branch circuit for CU-2 shall be P1-40,42 and shall be the GFCI type.

Dwg. E.1.1 – Power plan – Branch circuit P1-19 for AHU-1 shall be GFCI type.

The duct bank is not shown for lack of site plan. However, it is generally described on dwg. E.1.1, plan note 7. The trench shall be 36” deep for power, stepped to 30” for comm. The trench shall be bedded with stone dust, conduits installed with spacers. Provide stone dust to 4” above conduits (unless concrete encasing), tamped and backfilled in 12” lifts, tamping each lift to rough grade. Provide 20’ of concrete encasement (10’ for drive and 5’ on either side) for power conduit. Provide warning tape 12” below grade. Provide green insulated #10 CU conductor at 12” below finish grade, daylighted at both ends.

Interior branch circuits shall be EMT conduit over head as far as practical and can then transition to MC cable in walls.

### RFI's

1. Q. Do we have to pay for the base utility to hook up temporary and permanent power for this project?  
A. No.
2. Q. If so, can you provide the costs for it or a contact to get those costs?  
A. No additional cost above actual construction cost.
3. Q. Who is responsible for the temp power use charges for this project?  
A. There are no temporary power charges. Utilize existing service for temporary power as long as possible and/or necessary.
4. Q. The grounding detail on print E2.1 states that not all connections shown pertain to this project. I take it that we do not need the footer ground since the footer is existing and we don't need to bond to building steel because this building does not have structural steel.  
A. Correct.
5. Q. Do we need to install a ground ring around the entire building and if so do we need to install ground rods at the corners?  
A. Only the service entrance ground 3 rod counterpoise is required, along with water piping, etc. as per NEC.
6. Q. The Grounding & Bonding spec 260526-page 3 article 3.1-A-2 calls for a duct bank grounding conductor, but this is not shown on the prints.  
A. This conductor not required. See Engineer's clarifications
7. Q. If this is needed, do you also need this to come up the utility pole?  
A. See Engineer's clarifications.
8. Q. Signal note 5 on print E1.1 states to run a separate EMT conduit pathway from each annunciation, manual pull, and automatic back to the future fire alarm panel. With addressable fire alarm systems being the standard these days a building this size will only

- have (1) 18-2 and (1) 14-2 fire coming from the fire alarm panel daisy chaining through all the fire alarm devices. Meaning the 18-2 will start from the fire alarm panel and go to the first smoke detector then the next and catch all the manual pull station and initiation devices. The 14-2 will do the same for the strobes and horn strobes. The standard fire alarm panel is not designed to have a home run conduit connecting it to every fire alarm device. As the prints are drawn this would be (26) ¾" EMT conduits landing on the fire alarm panel.
- A. The intent is to have (1) ¾" conduit for all the manual pull stations, (1) ¾" conduit for all the automatic devices, and (1) conduit for all of the annunciator devices NOT (1) conduit for each device.
9. Q. You also might want to consider adding a manual pull station at the door to the mechanical room.  
A. Add pull station and annunciator rough-in in mechanical room.
10. Q. Who is supplying the floor mounted data rack shown on print E1.1 signal plan.  
A. The electrical contractor shall provide the floor mounted rack.
11. Q. Print E1.1 power plan shows the Square D meter in a panel, but this meter needs a circuit to feed it?  
A. Provide a 15A-3p circuit breaker in panel 'P1' utilizing bussed space. Provide branch circuit conductors as necessary for proper operation.
12. Q. The circuits for CU-1 & CU-1 on print E1.1 are not called out on the panel schedule. I take it that we are to feed these units from panel P1, and install a 2-pole 30A breaker for unit CU-1 and a 2-pole 20A breaker for unit CU-2?  
A. See clarification above.
13. Q. Do we need to figure any insulation for existing HVAC duct work located above the ceiling and mechanical room.  
A. The existing ductwork, in the attic space above the ceiling, is insulated with exterior wrap and a foil faced vapor barrier. There are areas where the duct insulation has become opened. The supply and return duct in the attic space will need some insulation repairs. The contractors shall provide an allowance of 100 feet of 20"x20" foil faced batts duct wrap insulation, to be used as necessary, in the attic space. Additionally, the new and existing supply and return air duct in the mechanical room will need fully wrapped with duct insulation.
14. Q. Please confirm that notes 2,7, and 8 on drawing A1.0 refers to the entire facility.  
A. A.1.0 Dwg. notes 2, 7, and 8 refer to the entire building.
15. Q. Please provide Drawing A3.2 per Demolition note 15 on A1.0.  
A. Disregard reference to Dwg A.3.2. Dwg A.3.1 is the drawing to be referenced.
- Q. Mirror specifications 102800. 2.3.D.4 call for size to be 96" x 30". This seam excessive for the bathroom sizes. Please confirm if this is the correct size required.  
B. Mirror size should be 24" wide x 30" high.
16. Q. Drawing A2.1 finish schedule notes for mechanical room ceiling to remain yet drawing A1.1 construction note 8 states to install new insulation in ceiling. Please clarify correct action

- A. Disregard note 8. There will be no new insulation or new ceiling in mechanical room. Existing to remain.
17. Q. Please provide Wall Type 12 on Drawing A1.1.  
A. Refer to Drawing A.1.1 Rev for Wall Type 12, included with this RFI Response document.
18. Q. Drawing A3.1 Construction note 9 states to construct new Canopy roof as per detail on DWG A2.2. Roof details noted do not show constructability of new entrance canopy. Please provide details.  
A. Refer to Dwg A.2.2 Rev, included with the RFI Response document.
19. Q. Please provide the Davis Bacon Wage Rates for the project.  
A. Rates are attached to the bid docs in eMarketplace.
20. Q. What is the extent of siding/soffit to be removed from Bldg 4-19. Demo print states "Fill in existing openings not being used and match existing" (A.1.0 note 12. Print A.3.1 note 5 siding to be removed. Please clarify.  
A. 'Match existing' refers to the existing exterior wall construction/framing. Demolition Note 5 indicates exterior materials to be removed.
21. Q. Porch lights 'F' are to be replaced. The soffit is not indicated to be removed. If existing wiring is not design standards, to what extent are we removing/replacing soffit?  
A. Porch soffit should be removed and replaced with new.
22. Q. What is the expected square footage of spray foam to be applied in crawl space.  
A. 2300 Sf @ 3" depth.
23. Q. Equipment/components are being supplied by Johnson Controls Inc (JCI) that is associated with Plumbing, HVAC and Electrical. Please clarify responsibilities for each trade.  
A. 1. The water meter shall be provided by JCI, under the .2-Mechanical Contract, and installed by the .3-Plumbing Contractor.  
2. The gas submeter shall be provided by JCI, under the .2-Mechanical Contract, and installed by the .3-Plumbing Contractor.  
3. The electric meter shall be provided under the .4-Electrical Contract and installed by the .4-Electrical Contractor  
4. The mechanical contractor, with JCI, shall provide low voltage wiring, connect, and configure all interface requirements to meters for JCI to communicate with meters.
24. Q. Is existing supply ductwork to be insulated?  
A. Refer to #13 question and answer above.
25. Q. What is the device the BMS is using for Climate Control?  
A. JCI shall provide field installed controls including the Indiantown Gap standard T-stat to control both heating and cooling. T-stat location shall be field determined during construction.

26. Detail 1/P.2.1: Disregard and excluded work related to the "Corporation Stop" indicated in both the Elevation View and the Plan View of the detail. The contractor's work is correctly shown on Sheet P.1.1.