

## **Construct New Specialty Care Building #42**

**VA246-17-B-0374**

### **Preliminary Questions and Answers**

- Q1:** Is there a preference or basis of design for the medical gas equipment such as Amico, Beacon Med, etc.?
- A1:** No preference can be provided; however, contractor shall use only one manufacturer for all medical vacuum systems and equipment.
- Q2:** Hoffman & Hoffman is the Manufactures Rep. for Daikin-VRV/VRF-Systems. Does this HVAC-VRV/VRF Equipment need to Meet the “ Buy America Act” ?
- A2:** Yes, see FAR Clauses 52.225-10 and 52.225-9 and CAAR Clause 852.236-89 which are within the solicitation.
- Q3:** Please provide the materials and quantities to be abated, per specification 02 82 13.41. The specifications provided do not include an abatement report or list quantities in the summary of work.
- A3:** See sheets AD101-AD106 for abatement requirements. The Abatement Contractor is responsible for verifying quantities and locations of ACM and other hazardous materials. The Abatement Contractor is responsible for subcontracting a third-party industrial hygiene firm to perform work area and clearance air samples by a North Carolina Licensed Asbestos Air Monitor. An asbestos abatement design is to be completed by a North Carolina Licensed Asbestos Designer. The design will be approved by VA Durham prior to abatement start up. See attached AHERA Asbestos Reassessment for Building #16.
- Q4:** Please clarify if concrete slabs are to be poured within landscape areas adjacent to new building that have typical section E2/SB102. Slabs are indicated in this detail as "SLAB AS OCCURS", but doesn't clearly indicate a slab is to be installed.
- A4:** Slabs-on-grade exterior of the building are to be built per the Site/Civil drawings CS101 & CG101, or per the Architectural drawings AE101.
- Q5:** Rebar reinforcing cannot be determined from the structural details for elevator/stair cast-in-place walls, wall long grid line '1', or wall along grid line 'G'. Please provide reinforcing details or an allowance to be carried (i.e.: pounds per cubic yard of concrete).
- A5:** Rebar for walls at line 1 is per Detail B5/S-001 -12" wall, dowels per D4/SB102. Rebar for wall at line G is per Sections E1 and E2 on SB101.

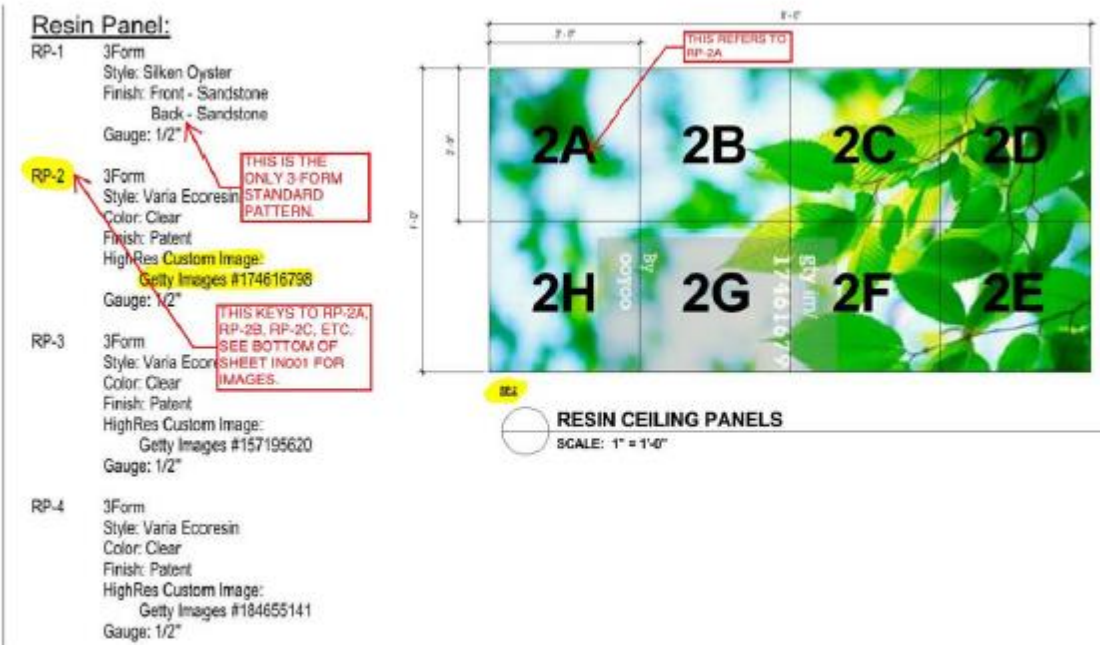
**Q6:** Please provide the depths to be included as the basis of the estimate for the drilled caissons. We have been unable to find a depth indicated on the structural drawings or drilled caisson specification.

**A6:** Recommended bottom of all caissons is elevation 352.00'

**Q7:** On drawing IN001 there are four 3-form panels sections 4'x8'. Are these units RP-1 through RP-4 different than the 2'x2' 3-form ceiling panels located on drawing AI107? I don't see anywhere on ceiling plans where there are 4'x8' panel sections.

**A7:** There is RP-1, RP-2, RP-3 and RP-4 specified. RP-1 is a standard color from 3-Form. RP-2 thru RP-4 is custom with images that must be purchased thru Getty images. (image quality must be appropriate for 4' x 8' size) The 3-Form panels come in sizes 4' x 8' in which an image will be printed on the entire panel. This 4' x 8' panel will then be broken into 2' x 2' panels that will be inserted into the 2' x 2' ceiling grid. For example, RP-2 overall has 8 pieces. These are keyed as RP-2A, RP-2B, RP-2C, etc. on the bottom of sheet IN001. The key is to locate where these panels are to be installed within the ceiling as shown on sheet AI107. Please note, refer to AI107 for the total quantity of panels. Some repeat, for example, RP-2A is used more than once.

See following for graphic explanation.



**Q8:** Reference Drawing # M-601 Indoor VRF-Schedule. The Cooling Capacities of the following Fan-Coils are:

FCU-G1-06 26,900 BTUH

FCU-G11-04 28,700 BTUH

FCU-G12-08 26,700 BTUH

These Fan-Coils are all Wall-Mounted type. Daikin has advised us that almost all of the Manufacturers of these VRV/VRF Systems have as the Maximum Capacity of their Wall-Type Fan-Coils as 24,000 BTUH. Daikin is only aware of (1)

Manufacturer that has a larger wall-mounted fan-coil, with a Capacity up to 30,000 BTUH, and this (1) Manufacturer has been chosen as the ("Basis of Design") for this particular project by the design engineer. This (1) Manufacturer is Mitsubishi Electric, and they could be the only source for this larger capacity Fan-Coil Unit. This Larger Size FCU will prevent us ("Daikin") and other similar manufacturers from even being able to submit a bid on your project. Are you aware of any other Manufacturers that could meet this capacity?

**A8:** The unit size is based on the heat load in the space. If 24,000 BTUH is the largest size for a manufacturer, multiple units would need to be provided to meet the space heat loads. Additional electrical cost implications would need to be included with the mechanical bid price.

**Q9:** Reference Drawing M-504, System CU-VRF-12: This system shows a 13- Port Branch selector box with only (8) Fan Coils connected. This leaves (5) Ports that are ("unused").

Reference Drawing M-505: Daikin could offer a Branch Box with 8-ports, 10-ports or 12 –ports. Daikin's largest Branch box is 12- ports. With the 8-port box you would not have any spares, but with a 10-port box you would have 2-spare ports, and with a 12 – port box, 4 spares. There would be substantial cost savings using boxes with fewer ports, and there would not be any sacrifice in performance. What are your thoughts here?

**A9:** Provide as equivalent size as possible as the "unused" ports are to leave space for future configurations. Same thoughts for Drawing M-505, System CU-VRF-G1.