

Response to Contractor Questions

1. Exhaust Fan- The specs on the exhaust fan does not seem to take into account the duct friction loss and may not meet the actual air flow required (1197 cfm) once installed.

See Specifications Section 23 05 93 Part 1.3 paragraph D2 Flow Rate tolerance. For tolerances not mentioned herein follow ASHRAE Handbook "HVAC Applications" Chapter 36 as a guideline. VAMC has calculated the friction loss and 1197 CFM meets the required air flow.

2. Exhaust Duct – There are no duct sizes indicated.

The exhaust duct size for Male Toilet room 102 and Female Toilet room 103 is 6" in Diameter:

Please see revision of Drawing 16-M-3 for the Duct size in the male and female toilets. The existing ground floor ductwork is to remain.

3. AHU-39 – This equipment is listed as being in place, however during the walkthrough we were informed that there was no equipment on the roof and was not given the opportunity to go on the roof due to rain and unsafe conditions. Please confirm.

The location of the existing AHU 39 is located on the roof and not in the Penthouse. See drawing 16-M-2 for location of existing AHU-39. During walk thru it was stated that the penthouse on the roof is empty and contained no equipment.

4. There does not seem to be an Air Distribution Schedule included with the plans.

The Air Distribution CFM is identified on drawing 16-M-3. See Specification Section 23 37 00 Part 1 Submittals and Part 2 Products.

5. There does not seem to be a plumbing fixture schedule with the plans.

Please see Amendment to add Specification Section 22 40 00 Plumbing Fixtures. Refer to Part 2 products for the fixtures shown on Drawing 16-AS-5.

6. Fire Protection Note #1 states the work is to be approved by the local Fire Marshal. Since this project is located on US Government property, does the local Fire Marshal have any jurisdiction?

Yes. The Contractor is to submit the Fire Protection Plan to the VAMC who will forward to the local Fire Marshal for approval.

7. Note #3 states that we are to submit shop drawings and hydraulic calculations. The work consists of removing upright sprinklers at the roof level and replacing them with pendent

sprinklers below new ceilings. Why would we have to submit hydraulic calculations when the sprinkler piping is existing and all we are doing is replacing sprinklers? Also, the design of the existing system is for an ordinary hazard occupancy. The new offices are a light hazard occupancy. Therefore, the design is more than adequate for the renovated area.

Drawing 16-FA-2 identifies addition and alteration to the existing sprinkler system. NFPA 13 requires for plans and calculation for any alteration of an existing system.

8. Design Criteria note #7 states to terminate hydraulic calculations at the fire pump. There is no fire pump in this building.

Drawing 16-FA-2 revised- Fire pump deleted.