

Construction of the Flight Projects Building  
Solicitation No. NNG12412656E  
Questions and Responses  
2<sup>nd</sup> Submission  
August 14, 2012

1. *Question: The attached GSA Integrated Workplace Acquisition Center Demountable partition Specification describes functional characteristics with tolerances to allow many wall manufacturers to bid within the specification. This spec is currently being used for the renovation of the GSA Headquarters Bldg @ 1800 F Street NW, Washington, DC. Will the new specification follow the basis concept used by GSA?*

**Response: An amended demountable specification was issued under IFB Amendment 4 on August 14, 2012.**

2. *Question: Many details in the current drawings and specifications dictate a specific design that other manufacturers can offer a functional alternate that does not meet the exact details shown. Will the drawing details be modified to match the new specifications so that multiple manufacturers can meet the requirements?*

**Response: The drawings indicate design intent. Several manufacturers are able to bid within the specifications and drawings. To clarify the horizontal reveal is not required to support/cantilever furniture.**

3. *Question: Refer to drawing MH-102B, in the Symposium room C211 there are two runs of connected duct both shown to be 12"x8" but not drawn the same. Is one size incorrect?*

**Response: The duct sizes downstream of the VAV002014 should be 38x8, 28x8 and 20x8.**

4. *Question: In drawing C-105, existing chilled water relocation and tie-in will involve system shutdown. Please provide acceptable outages and durations.*

**Response: Please refer the outage table on sheet C-105. NASA to provide direction on the maximum duration and impact to buildings.**

5. *Question: Please clarify discrepancies in the dimensions of the following Exhaust Louvers.*

**Response: The mechanical drawings provide the minimum free area required and do not indicate dimensional information. Please do not scale the drawings, refer to sheet A-813 for louver dimensions.**

a. *Question: The two louvers in drawing MH-105A along row B.4 are shown to have 35 SF Free Area. Detail 2/M-301 shows 30 SF Free Area for the same louvers. Additionally elevation 3/A301 scales these louvers to be approximately 9' X 12'.*

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**Response: Sizes are 35 SF.**

*b. Question: The louver in drawing MH-105A along row A.3 is shown to have a 50 SF Free Area. Detail 4/M-301 shows a 40 SF Free Area for the same louvers. Additionally elevation 3/A301 scales this louver to approximately 13' X 10'.*

**Response: Sizes are 50 SF.**

*c. Question: The louver in drawing MH-105A along column 9 is shown to have a 50 SF Free Area. Detail 1/M-301 shows a 40 SF Free Area. Additionally, elevation 2/A301 scales this louver to approximately 13' X 10'.*

**Response: Sizes are 50 SF.**

*6. Question: What is the branch size off of the 50"X40" RA duct on unit 036-AHU001 and unit 036-AHU002 shown in drawing MH-105A?*

**Response: Units should be labeled ACS001 & ACS002. Branch sizes should be 16x8.**

*7. Question: What is the size of SG-1's shown in drawing MH-105A?*

**Response: To be installed on 16x8 duct**

*8. Question: On drawing MH-105A there is a symbol which appears twice along row D. It is shown once along column 7 and again between columns 11 & 12. What is this?*

**Response: They are steam condensate receiver and pump packages, CRT003 & CRT004. They should be labeled on MP-105A.**

*9. Question: On drawing MP-101B between rows D & E are the 4" HWS/R lines along column 8. They continue south and branch off to the west. Please provide more information on the size and termination point of these branches.*

**Response: The 4" HWS/R lines (180F heating water) serve the air handlers (ACS) and the unit heaters (MUH), all others are served by LHWS/R lines (140F heating water). Heating water branches on floor plans drawings are currently mislabeled. They should be labeled LHWS/R, not HWS/R. Please follow the hydronic riser diagram on M-601.**

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10. *Question: On drawing MP-101B between rows D & E are the 4" HWS/R lines along column 8. They continue south and then turn east to a point where they turn south again and then east again connecting to other lines tagged as LHWS/R. Is this correct? Please clarify.*

**Response: The 4" HWS/R lines exit the pump room and turn north into the risers to the penthouse. LHWS/R lines starts from the mixing pumps (HWP003 & HWP004) in the pump room. Refer to M-601.**

11. *Question: On drawing MP-101B, just south of row B.4 and south of column 9 are designations for 4" HWR & 4" HWS. These appear to be misplaced. Please clarify.*

**Response: Please refer to sheet M-601 for clarification.**

12. *Question: On the MP series of drawings there are lines designated as 3/4" HWS/R but the HWS/R does not have a loop source to serve the zones. Please clarify.*

**Response: The 3/4" HWS/R should be labeled as 3/4" LHWS/R.**

13. *Question: Please provide a detail for piping connections to VAV Terminal Units.*

**Response: Detail #15 on M-503 is applied to VAV Terminal Units.**

14. *Question: Specification for condensate pipe, valves and fittings was not found in the bid documents. Please provide.*

**Response: Section 23 22 26.00 20 was issued under IFB Amendment 3**

15. *Question: Specification 26 11 16 paragraph 2.3.1 calls for surge arrestors to be intermediate type and shall conform to section 26 18 23.00 40-Medium Voltage Surge Arresters. Please issue section 26 18 23.00 as soon as possible.*

**Response: Section 26 18 23.00 will be issued as IFB Amendment 5 on or about August 16, 2012.**

16. *Question: Specification 26 11 16 Article 2.7 calls for thermostats to regulate the space heaters at the lowest portions of each space to be heated. What type of*

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*thermostat will be needed? Do they need to be accessible from the front of the Load Center and will they need to be monitored by the building management system?*

**Response: Thermostats shall furnished by the secondary unit substation manufacturer.**

17. *Question: Specification 33 71 02.00 paragraph 3.5.7.1 requires concrete encasement of conduits under paved areas. Would this requirement apply to the site lighting raceways in the new parking lot? Drawing ES101 only indicates a concrete encasement for the primary service feeds to the building. Please clarify.*

**Response: Yes, concrete encasement of conduits under paved areas is required. Primary service feeds require concrete encasement along the full length.**

18. *Question: Price proposal schedule Option #1 requires break-out price for the "Primary Disconnect Switches for Feeder Improvements". Does this statement apply only to the (2) S&C switches shown on ES101 or would it apply to any other downstream systems from the switches to the building? Also, if the feeders are to be installed in concrete duct bank, please clarify how far they have to be encased.*

**Response: Option #1 is only for the (2) S&C switches shown on ES101. The full length of duct bank is required to be concrete encased.**

19. *Question: On MP-105A there appear to be two separate branches off of the HWS/R lines. What are these branches supplying?*

**Response: The branches are serving the overhead mounted unit heaters.**

20. *Question: Are there insulated wall panels on the project in conjunction with the terracotta?*

**Response: Please refer to sheet A-411 and A-412 for exterior wall types and insulation.**

21. *Question: Are the LEED commissioning services under the Contractor's scope for bid?*

**Response: General commissioning requirements are per specification section 01 91 13. LEED Enhanced Commissioning is not a part of this projects scope.**

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22. *Question: As a follow up to Question 15 and its response of August 9, 2012, on Contract Drawing M-701 in the upper left hand corner of the drawing there is a section noted as DDC Communication Network. A note states, "only Johnson Controls Metasis Systems are accepted". In light of your previous response, will this note also be deleted and thus the DDC System would be open to others to bid?*

**Response: The subject note shall be disregarded. Disregard reference(s) to Johnson Controls Metasys for the new UCS. The new UCS shall be a BACNET compatible system, as variously indicated elsewhere in the plans and specifications.**

23. *Question: Drawing P-701 Domestic water riser diagram and detail 2 on drawing P-401 level 1 core toilet water piping do not match. The difference between 2" and 3" pipe will change what type of valves we use and we request clarification of sizing.*

**Response: The pipe is 2".**

24. *Question: Please provide finishes required for the mechanical penthouse.*

**Response: The floor is PT4, the base is RB1 and the walls are PT3.**

25. *Question: The "Finish Materials Legend" on Drawing A-901 shows "Ceramic Tile – CT 1" to be used on "Floors & Walls". The "Finish Plans" A-911b shows "Terrazzo – TZ 1" as the floor finish in the Men's and Women's typical restrooms. Are the "Finish Plan" drawings correct and the core toilet rooms to have TZ 1 Terrazzo floors as indicated and the base to be CT 2 with CT 1 field tile on the walls with a CT 3 accent band (i.e. CT-1, 2, and 3 are only used as base and wall)?*

**Response: Confirmed the finish plans are correct.**

26. *Question: TZ 1 Terrazzo shown as the base finish in the typical Lobby areas: in matching up elevation details given for many of the Lobby areas and in the case of 1/A-931 and 1, 2, 3,4/A938 the elevations confirm the presence of TZ 1 Terrazzo base, but some elevations such as 4 & 5/A-936 the Mail Room C109 appears to have RB 1 Rubber Wall Base and the Vending Room C108 has the base finish matching the cabinet. In determining the extent of the 2 ½" high precast TZ 1 base as depicted in detail 2/A-921 and A-922 for the typical Lobby areas Levels 1 thru 4, should the various elevation and interior details as shown on Drawings A-931 through A-947 take precedence over the "Finish Plan" Drawings A-911a through A-914b? The elevation details for some of the individual rooms conflict with the overall "Finish Plans".*

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**Response: Finish plans are correct. Please provide TZ1 or base cabinetry to match as required.**

*27. Question: Specification 27 05 28.36 40 Cable Trays for Communications Systems:*

*a. Specifications call for Ladder type, but does not give the depth, NEMA Load Class or Rung spacing. Please provide.*

**Response: Depth: 4", Width: 18", and 9" Rung Spacing.**

*b. What type of Wiremold is required?*

**Response: Wiremold is not allowed.**

**[End of Questions/Responses]**