

Construction of the Flight Projects Building
Solicitation No. NNG13412656E
Questions and Responses
November 29, 2012

1. *Section #336100 2.2.2 states that chilled water piping 16" or less shall be pre-insulated. What are the insulation requirements, if any, for the 20" lines - both the relocated ones and the ones offsite?*

Response - The insulation shall be polyurethane foam conforming to ASTM C591. For 18" pipes and larger, they do not require insulation, unless they are within 5ft of the existing steam pipes. The heat gain for insulated 18" pipes and larger shall not be greater than 19.2 watt/m/hr.

2. *Where are the access points to the utility tunnel for the chilled water option? Are they large enough for equipment to enter? Are there any pictures or as-builts of this area?*

Response – The utility tunnel may be accessed both through Buildings 31 and 32. Through Building 31 it requires walking a flight of stairs from the 1st floor to the basement. Once in the basement mechanical room it is required to go through a few set of stair landings (over pipes) to get to a door that is approximately 35"x84" (WxH) that provides access to the tunnel. From Building 32 the tunnel may be accessed via the loading dock through the mechanical room at grade level at which the tunnel can be accessed through a door that is approximately 48"x84" (WxH) (see attached sketch).

3. *Are permanent BEST cores and key to be part of the cost of the project or are they to be purchased by The Owner separate from this project? As the spec is now worded, the appearance (and likely interpretation by bidders) is that the permanent cores and keys will be purchased outside of the project by The Owner.*

Response - All permanent cores and keys are to be included as part of the cost of the finish hardware. Permanent cores and keys are to be delivered directly from the manufacturer to the contracting officer via registered mail or other pre-approved means. The owner will install all permanent cores. An amendment to specification section 08 71 00 (Door Hardware) will be issued.

4. *Specification Section 26 20 00, under 2.2 (Conduit and Fittings) it states that "conduit shall be ¾ inch diameter minimum". However, under 3.1.4 (Wiring Methods) it states "minimum conduit size shall be ½ inch in diameter for low voltage lighting and power circuits". Furthermore, under 3.1.5 (Conduit Installation) in states "conduit minimum size: ¾ inch". Please clarify if in fact ½ inch conduit will be allowed for low voltage and power circuits.*

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Response – Minimum conduit shall be 3/4" inch diameter minimum; 1/2 inch conduit will not be allowed for low voltage and power circuits. Specification section 26 20 00 paragraph 3.1.4 will be amended accordingly.

5. *Sheets E-104a and E-104b: No light switch locations indicated. Please provide locations and quantities for 4th floor, Segments A and B.*

Response – This was answered in questions no. 1 and 9 of responses posted on November 21st, 2012. For locations and quantities please refer to revised drawing to be posted as an amendment.

6. *Sheet A101b: At Rooms S109, S111, S113 and all similar locations on other floors (total of 21 locations), the T1 Glass partition connecting to Plan South S1 partition is shown on plan but deleted from the elevation. Confirm if glass segment is required at T1 partition.*

Response – Confirmed. Refer to sheet A-937 for demountable details.

7. *Sheet A802: Partition Type S and T do not list STC requirement for Demountable Walls. Confirm required STC rating for these partitions.*

Response – Please refer to spec section 10 22 19, section 2.1. The STC rating must be a minimum of STC 37 with the ability to reach STC 42.

8. *Confirm GL2 – Low Iron Glass requirement has been deleted from the scope of Work and replaced with standard tempered glass.*

Response – Confirmed, as shown in the specifications 08 81 00 and Materials Legend A-901.

9. *Confirm AWF1 – Applied Window Film is not in Demountable Wall manufacturer's scope of work and is provided by others.*

Response – Confirmed. As indicated the glass film is part of section 08 81 00.

10. *Confirm that the tackboard fabric requirement has been deleted from the scope of work and that all wall panels are to be painted surface.*

Response – Confirmed. As shown in the Materials Legend A-901.

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11. Section 1 on A-714 indicates an enclosure around the tube steel stringer for Stair #3. One side of the stringer designates "Steel Plate", the other side is "Metal Cladding". The bottom is "Metal Panel". There are 4 fins at the corners that are not identified. What are the materials for this enclosure?

Response - Both the sides and the 4 fins are steel plates. The fins shall be welded to the side steel plates, and ground smooth, polished and painted. The bottom is a metal sheet panel clipped to and angle attached to the side steel plates.

12. Section 1 on A-714 indicates a glass guardrail with an outrigger connecting to the floor beam and the stair stringer. Sections 12 & 14 on S-313 indicates a 5/8" x 6" steel plate connecting to the floor beam with the glass guardrail connecting to the end of the steel plate. Please clarify.

Response - Please refer to the Architectural drawings. The outrigger support arms are 7" x 5/8" S.S. flat posts.

13. Drawing G002, General Note 25 states "Provide 2 hour intumescent paint on columns and 2 hour spray on fire proofing for all remaining structural support pertaining to Stair 1 and Stair 2...", "Exposed structure from the interior face of gypsum board within the stair does not require fire proofing.", "For the 2 hour fire rated HSS beams indicated in the structural drawings, provide a fire rated horizontal shaftwall assemblies per WHI 694-0300.1.", and "The fire protection for HSS beams pertaining to Stair 1 and Stair 2 should be stopped at the face of the 2-hour fire rated wall assembly." The HSS beams designated FP on the structural drawings are part of Stair 1 & Stair 2. Please clarify the following:

a. Do the HSS beams Shown on drawings S-102a thru S-105b at Stairs 1 & 2 receive a 2 hour spray on fire proofing on the steel outside of the stair shaft? The referenced notes indicate spray on and a horizontal shaft wall.

Response - Yes. Please provide spray on fire proofing on the steel tube outside of the stair shaft.

b. Do the HSS beams at the intermediate landings shown on drawing S-501, enlarged plans 2, 3, and 6 receive any fireproofing? The referenced notes indicate a horizontal shaft wall and no fire proofing because it is inside the 2 hr. fire rated assembly.

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Response – The HSS beams at the intermediate landings for Stairs #1 & 2 do not require fireproofing.

14. *Drawings A-102b, A-103b, A-104b, and A-105 indicate a glass extension of the curtainwall at columns A-11 and E-11 similar to the glass extensions at columns A-18 and E-18, and B-1 and F-1. Detail 6 on A-601 indicates “Structural framing at floor level ref. struct.” The structural drawings do not indicate any steel at columns A-11 and E-11. Please clarify if these locations will be similar to what is shown in detail 12 on S-315.*

Response - Fin support steel framing at A-11 and E-11 is to be provided as depicted in 12/S-315.

15. *Drawing A-107, near column line 1 is a note for “Glass Canopy/Overhang”. Please confirm that there is not a Glass Canopy/Overhang.*

Response – Confirmed there is no glass canopy or overhang at this location.

16. *Drawing A-401, wall section 6 refers to detail 1 on A-616. What is the wall framing material above the Level 3 curb?*

Response – The wall is framed with steel studs. Please refer to specification section 05 40 00.

17. *Drawing A-712, section 3 – Stair #1 and 2 Intermediate Landing indicates a zinc divider strip between the landing and tread as if there is a terrazzo finish. The finish drawings indicate the finish as sealed concrete. Please clarify.*

Response - Please disregard the ¼” thick zinc divider strip called out in the stair.

18. *Specification Section 055100 – Metal Stairs. Please clarify which portions of this specification apply to Stair 1 and 2, and to Stair 3. Are Stairs 1 & 2 to be prefabricated with pre-poured treads, precast treads, or cast-in-place treads as shown on the drawings?*

Response - Specification section 055100, 2.13 and 2.15 are for Stair 1 and 2. They are prefabricated metal stair with cast-in-place treads.

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19. *Section 055200 – Metal and Decorative Metal Railing, paragraph 2.12.2 C.4 indicates the riser basis of design as perforated stainless steel. The drawings indicate solid stainless steel. Please clarify.*

Response - Please refer to the drawings. The risers shall be solid stainless steel panels.

POTENTIAL BIDDERS

The cut-off date to submit questions to the Contracting Officer is Friday November 30, 2012. This will allow the Government time to ensure that all questions have been answered and posted through the Government Websites (NASA/FedBizOps) in a timely manner before the bid opening date of December 07, 2012.

[End of Questions/Responses]