

NASA SOLICITATION NNL13467671E; UPGRADES TO FIRE STATION AND EMERGENCY OPERATIONS
 CENTER BUILDING

1. The following questions have been submitted regarding the subject solicitation. The Government's response follows each question.

ITEM NO.	REFERENCE (Section/Para//Page)	QUESTION	GOVERNMENT RESPONSE
1.		Please confirm that the contractor will not be responsible for permits, inspections, and fees required by the local municipality.	Local municipalities do not have jurisdiction on NASA Langley Research Center and therefore permits from the City of Hampton are not required. There are several permits issued by NASA that are required but do not entail fees. These are outlined in the specification. All State and Federal requirements (especially environmental, waste and sediment control) do apply on Langley Research Center and must be adhered to.
2.	Drawings E-602 & E-603	Some of the panels listed on Drawings E-602 & E-603 are in the existing building area, are we replacing these or was the schedule here just for reference? Only new panels are L-500, L-600 and P-300 correct?	<p>This project requires seven (7) new panel boards: L-100, L-200, L-300, L-500, L-600, P-100 & P-300, as shown by dark lines in ONE-LINE DIAGRAM, NEW CONDITIONS on Drawing E-601 (1290608). Two (2) existing panels P-200 and L-400 shall be modified and re-used.</p> <p>One-Line Diagram EXISTING CONDITIONS on drawing E-601 (1290608), shows to REMOVE four (4) existing panels P-100, L-100, L-200, & L-300 (shown as broken lines) and are to be replaced. ONE-LINE DIAGRAM, EXISTING CONDITIONS also shows two (2) existing panels TO REMAIN which are P-200 and L-400 (shown as solid light lines).</p> <p>Please refer to attached signed Drawing 1290608, ONE-LINE DIAGRAM.</p>

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3.	Specification Section 084113, Paragraph 1.3.2.2	Paragraph 1.3.2.2 of section 084113 calls for the exterior aluminum storefront to meet large missile impact requirements. Specification section 088100 does not call for any laminated, impact resistant glazing. Do the exterior storefront, windows and glazing systems need to meet large missile hurricane impact requirements?	<p>Exterior windows do not need to meet blast requirements.</p> <p>Provide insulated glass units as indicated for windows.</p> <p>Specification Section 084113, Subpart 1.3.2.2 shall be deleted.</p> <p>Provide tempered glazing as specified in 08 81 00.</p>
4.	Drawing S-101	<p>In looking over the site plans for the 1248 upgrades there are numerous elevations on the existing utilities but there are no existing ground elevations @ the new building addition. They reference, on sheet S-101, cutting 6' below existing ground elevations @ the footings. In order to calculate this and the cut & fills for the building pad I need an existing TOPO showing the existing ground elevations in that area.</p> <p>Question: Is there an existing TOPO for this general area?</p>	<p>No TOPO was created for this project. Average elevation in the area is 9.6'.</p>
5.	Drawing A-401	<p>In reviewing the plans we need some clarity on the casework in Kitchen 136. Elevations B & C on Sheet A-401 - is there casework in upper & lower corners or are they just very large fillers?</p>	<p>No large fillers. See Floor Plan on either A-103 or Enlarge Floor Plan on A-401.</p>
6.	Drawing C-102	<p>Site Utility drawing C-102 shows a 4-inch sprinkler supply to the building. F-103 shows a 6-inch sprinkler supply. What size is the supply piping going to be?</p>	<p>The sprinkler supply to the building shall be 6". The Civil drawing C-102 will be amended to show 6".</p>
7.	Specification 21 13 13.00 10 Page 14 / 2.12	<p>Specification 21 13 13.00 10 Page 14 / 2.12 requires a Double Gate Double Check backflow device. F-103 shows and indicates that the backflow device is to be a Reduce Pressure Principle backflow type. Which type is required?</p>	<p>A reduced pressure backflow preventer is required.</p>
8.	Drawing F-103 specification 21 13 13.00 10	<p>F-103 indicates that the wet pipe system riser is to be a Fire Flex Total PAC2 or equal. Specification 21 13 13.00 10 does not indicate this is required. Only indicates that it must be a wet pipe alarm valve with retard chamber. Is the wet pipe alarm valve required to be installed in a Total PAC 2 cabinet?</p>	<p>The wet pipe riser shall be a Fire Flex Total PAC2 or approved equal. A wet pipe alarm shall be included.</p>

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9.	Specification 21 13 13.00 10 Page 12 / 2.5.3.1	Specification 21 13 13.00 10 Page 12 / 2.5.3.1 requires that control valves shall be OS&Y type. Fire protection drawings show all control valves as grooved, indicating valves with built in tamper switches. Valve inside the Total PAC 2 as well as on both sides of the backflow device. Which type valves are required?	Valves external to the riser cabinet shall be OS&Y type with electronic tamper switch.
10.	Specification 21 13 13.00 10 Page 12 / 2.5.3.2	Specification 21 13 13.00 10 Page 12 / 2.5.3.2 requires that all check valves 2-inch and larger are to be flanged. F-103 shows a grooved 4-inch check valve for the FDC connection. Will a U.L. listed and/or FM approved grooved check valve be acceptable?	Use U.L. Listed/ FM approved groove type check valve.
11.	Specification 21 13 13.00 10 Page 10 / 2.4.1	Specification 21 13 13.00 10 Page 10 / 2.4.1 indicates the fire sprinkler contractor to start 10 feet outside the building. Common practice is to start 5'-0" outside the building when the run-in is required by the sprinkler contractor. Should we include starting 10 feet outside the building, 5 feet outside the building, or at a flanged outlet above finish floor inside the riser room?	The fire sprinkler contractor is to start from and include the PIV.