



Partnership

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Pre Bid RFI Response

Date:	23-Jan-18	Distribution:
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Project No.:	216-021-01	* Indicates person is required attendee

Below are the responses to the RFI's.

1. Please confirm that workers will not be required to get a badge unless working inside the existing building.  
**HM Response: Confirmed.**
2. Please advise what type of controls are currently in the building.
  - a. Pre-bid noted that I was believed to be Siemens but was not 100% sure.  
**E&C Response: E&C is under the understanding that Johnson Controls is also available in the building as we were told by JCI. The intent is to pull the controls back to the main hospital so it can be viewed at the main hospital. JCI is at the main hospital. If the bidding contractor can pull the building into the main hospital JCI system, final acceptance of the required BAS provider is by HM.**
3. Please advise if there will be any Data cabling scope required for this project.
  - a. Pre-bid noted that they thought the cabling was to be included but drawings and specs do not call for it at this time.  
**E&C Response: Data cabling is required. Addendum 2 clarifies E-301. Addendum 3 will clarify the specs. Cable specification will be to HM standard.**
4. Please provide any vendor equipment dwgs or specs for bid pricing coordination.
  - a. Are there any requirements needed for owner provided equipment that is not references on the drawings?  
**PWP Response: Addendum 01 provided HM room-by-room equipment list, Steris Equipment Layout, and OR light cutsheet.**
5. Are there any specific subcontractors that must be used or not used on this project?
  - a. Pre-bid noted **Fire Safe** to be the **Fire Alarm contractor**.
  - b. Lange Mechanical was noted to **not** be used in the pre-bid.

**HM Response: Confirmed.**

6. Will there be any additional dwgs or requirements for structural support for ceiling mounted equipment.
  - a. Pre-bid noted that there was Unistrut called for in the dwgs. Experience leads us to ask since some of these fixtures / equipment can require special structural supports that are beyond what Unistrut systems can provide.

**Matrix response: All ceiling mounted equipment shall be supported on Unistrut system as specified on drawings from steel beams noted on drawings for supporting medical equipment. Include in bid for any additional miscellaneous steel that may be required.**

**Revise note on Sheet S-201 that reads "Beams to support mechanical equipment. See notes this sheet for Unistrut system. (Typ.)" to "Beams to support medical equipment. See notes this sheet for Unistrut system. (Typ.)".**

7. Please provide a soils report.

**PWP Response: See Addendum 01**

8. Please provide system requirements and specifications for existing nurse call system that needs to be expanded into the new expansion.

- a. Pre-bid noted that the existing system may not have parts available any longer to expand the system.

**E&C Response: Refer to Addendum 2 sheet E-301. A new Rauland Responder 5 system is required for the new areas. The existing system will be replaced in phase 2.**

9. Please provide more details / dwgs for the generator enclosure area. There is a detail of the wall but other than that there is not a lot of info for this area.

**PWP Response: This will be provided in Addendum 02.**

10. Please confirm a full-time, on-site superintendent is require for the duration of the project.

**HM Response: Yes**

11. Please clarify working hours for the project space.

**HM Response: Mon-Sun 7:00am – 7:00pm, any off hours specific by approval 48 Hours in advance.**

12. Please indicate, outside of shutdowns and tie-ins, which construction activities will impact the existing ORs functions, and will be required to be after hours.

**HM Response: Any activities producing excessive noise and vibration up close to building). As stated in PreCon, a noise plan such as the one you guys did for our 6<sup>th</sup> Floor renovation will be required on a weekly basis. Red, Yellow & Green indicating anticipated level of construction noise for planned activities that week. Red=Maximum, Yellow=Occasional & Green=Normal construction noise.**

13. It was mentioned during the pre-bid that an Allowance should be carried for Security devices, since none are shown on the plans. Please clarify Allowance amount to be carried.  
**HM Response: \$50,000. This Allowance includes Nurse Call System.**
14. Sheet L1.0 – Please provide requirements for irrigation, if any is required, at the new landscaping. Is there an existing irrigation system that is to be modified for the new plantings, or is there a system nearby (where?) that is to be extended to cover this area?  
**Kimley Horn Response: There is an existing irrigation system that will need to be modified. Based on the survey, there appears to be an irrigation meter along Breton Ridge Road near, our proposed landscape improvements. The contractor would need to further investigate. If preferred over a sub-contractor, we are happy to provide an irrigation plan after the landscape plans are approved and ideally after construction has commenced and the existing system is better understood.**
15. Sheet S-201 – There is no section provided through the Roof Hatch opening. Please provide size of bent plate at perimeter of opening, if required.  
**PWP Response: Roof hatch detail will be provided in Addendum 03.**  
**Matrix Response: Provide ¼" bent plate around roof hatch similar to detail 1/S-401 for hatch attachment.**
16. Sheet S-401 – Detail 10, please provide welding requirement for the L3 and L4 at the screen wall horizontal HSS5x3.  
**Matrix Response: Minimum 3/16" fillet weld all around.**
17. Please clarify if pipe hangers and bracing can be attached to the concrete and metal deck, or if they are restricted to the structural steel beams only.  
**Matrix Response: Pipes shall be hung from steel beams only and not from roof deck.**
18. Sheet A-120 – Please indicate the direction the sheet floorings (SV1, RF1, RF2) should be installed in all areas.  
**PWP Response: There is no pattern direction for RF1 and RF2. Pattern direction for SV1 will be clarified in the Addendum 03.**
19. Sheet A-120 – Corner Guards are shown both in the corridors and inside the ORs with the same symbol. Spec Section 10 26 01 indicates both plastic and stainless-steel corner guards where indicated. Please indicate which corner guards should be which material (ex. Stainless-steel in ORs).  
**PWP Response: Use plastic corner guards to match existing, see A-600.**
20. Sheet A-130 – Please clarify the equipment to be provided for the project space:
  - a. Equipment Mark 12272 Irrigation Tower – The model number for this item indicates a Steris lighting fixture, as described by Item 5885-093. However, Item 5885-093 is shown to be TRUMPF without a model number.
  - b. Equipment Mark C-298959 Table, OR, Electric – This is shown to be a TRUMPF Medical Systems product, but the model number is a Amsco surgical table.

**PWP Response: Equipment 12272 Irrigation Tower has been removed from the Equipment List, see Addendum 03. Information for Equipment C-298959 has been corrected in Addendum 03.**

21. Sheet A-161 – Please clarify if there will be a ceiling expansion joint required at the corridor between the new and existing construction.

**PWP Response: Expansion joints are not required at lay-in ceilings.**

22. Sheet A-300, Detail 1 – At Roof Hatch, please provide detail for attaching overhead ladder to structure.

**PWP Response: This will be provided in Addendum 03.**

23. Sheet A-500, Detail 2 – Please clarify if wood blocking will be required to attach metal coping.

**PWP Response: No wood blocking is required at this location.**

24. Sheet A-500 – Detail 6 indicate aluminum flash shall be used with the masonry. Per the Brick Institute of America “in Technical Notes 7A warns against the use of aluminum flashing. It states that the high pH of fresh unhardened mortar will attack the aluminum.” The reaction may also continue when the mortar gets wet again, if it starts before the mortar hardens. Please clarify if aluminum flashing should be used, or provide another material selection.

**PWP Response: See Addendum 02. Detail 6 A-500 has been revised to stainless steel.**

25. Sheet A-521 – Multiple details indicate the new wall protection should match existing, while Spec Section 10 26 01 indicates several manufacturers. Please clarify which products should be installed to match existing, or will any of the products listed be accepted?

**PWP Response: Use manufacturer/product indicated on the Finish Schedule, sheet A-600.**

26. Sheet A-521 – Detail 8 indicates recessed Corner Guards, while Spec Section 10 26 01 only provides material selection for surface mounted corner guards. Please clarify which are to be installed.

**PWP Response: Use surface-mounted corner guards to match existing.**

27. Sheet A-600 – Please indicate product size for CPT (broadloom or tile, tile size) and/or provide carpet specifications.

**PWP Response: 6' roll size (PowerBond)**

28. Sheet A-600 – Glass Mix Mosaic Tile (GMT) is not marked for future use, but does not appear to be shown in the restroom elevations. Please clarify location of the tile accent, if required.

**PWP Response: GMT has been noted as an Add Alternate option in Addendum 02.**

29. Sheet A-600 – Finish Type F0 indicates to match existing finishes. Please clarify the finishes for OR1. Are these similar to the new ORs (whiterock walls floor to ceiling and rubber flooring)?

**PWP Response: See attached images on sheet 8 taken during the Pre Bid Walk. Please match Finish Type F0 to the existing. Existing Drawings will be made available but GC will need to verify that it matches what is shown in the field.**

30. Sheet A-600 – Please confirm finishes marked with Note 1 are not part of this project, and no material is to be provided.

**PWP Response: Confirmed.**

31. Please clarify which, if any, of the attic stock indicated throughout the specifications should be included for this project.

**HM Response: All.**

32. Alternate 2 – Will the contractor have continuous access to the Clean Process room during the renovation of this section? Or will this room stay in use for the duration of the renovation, requiring the contractor to work after hours in this area, and clean up each day? **HM Response: Room will stay in use.**

- a. Would the Owner consider either relocating the Clean Process services, or bringing in a trailer to provide these services during the renovation? Continuous access to this room during normal hours would allow for a much faster renovation of this area. **HM Response: Option's under review.**

33. Alternate 2 – Sheet A-102 indicates a section of the existing exterior partition will be removed to extend the Clean Process room into the new building addition. Wall Sections on Sheet A-321 appear to indicate the existing studs are full height. Please clarify if these studs are load bearing, and how the remaining upper sections will be supported once this section of partition is removed. Will any additional structural supports/lintels be required?

**PWP Response: Existing studs are required to be removed to accommodate new opening in wall and gypsum board ceiling. There will not be additional structural supports/lintels required.**

34. Sheet P-400A – Please confirm the Med Gas piping shown in the corridor in Detail 01 is to be priced with the Base Bid, not the Alternate 02.

**E&C Response: Correct.**

35. Sheet M-101A, M-201A & M-300A – Please confirm the work on these drawings are part of Alternate 02, since Alternate 01 is not used.

**E&C Response: Correct. Alternate 01 is not used.**

36. Sheet M-201 – Please provide Schedule for the HVAC diffusers. The diffusers are not detailed with the other schedules on Sheet M-700.

**E&C Response: Will add to drawings under Addendum 03.**

37. Sheet M-602 – Detail 03 RTU Control Diagram indicates the AHU manufacture is providing all internal sensors. Please confirm this includes the damper actuators, fan access door switch VFD and current switch.

**E&C Response: Yes, anything that is involved with the control of the unit will be provided by the manufacturer.**

38. Sheet E-301 – General Note F indicates Nurse Call devices are to match existing system. Per Wilson Fire, the existing system is obsolete and cannot be extended. Please clarify which Nurse Call system shall be installed, or provide an allowance for bidding purposes until another system can be proposed.

**E&C Response: Refer to Addendum 2. A new Rauland Responder 5 system is required.**

39. Sheet E-301 – General Note I indicates data cabling is to be coordinated with the HMWB Facility Engineering group, and Spec Section 26 27 21 indicates cabling to be provided under a separate contact. It was mentioned during the site walk the Contractor will be responsible for the data cabling and devices. Please clarify.

- a. Data locations are indicated on this drawing sheet, but do not include cable drop counts. If data cabling is to be by the Contractors, please provide data drawings and/or drop counts.

**E&C Response: Data cabling is required under this contract. Spec section 26 27 21 will be modified under Addendum 03. Sheet E-301 was modified under Addendum 2 with data cable drop counts.**

40. Spec Section 00 21 13 – Section 7.01 indicates a 2.5% Bid Bond will be required. This is not typical for Methodist bids. Please clarify if this will be required.

**HM Response: This is required.**

41. Spec Section 22 10 00 – Plumbing Piping (2.02-A) states to use service weight cast iron pipe below ground. Please clarify if PVC DWV pipe and fittings will be acceptable.

**E&C Response: PVC SCH 40 below floor only.**

42. Spec Section 22 10 00 – Plumbing Piping (2.03-D) states that Propress will be acceptable with written approval of owner. Please clarify if this will be acceptable for this project.

**E&C Response: Yes.**

43. Spec Section 23 64 26 – CH-4 describes a proprietary Carrier chiller. Please advise if a York chiller that meets the specified efficiency with the following features is acceptable:

- a. 33.93 tons in lieu of specified 35.93 tons  
b. 106 MCA in lieu of specified 92.2 MCA  
c. Standard scroll compressors with HGBP for minimum load in lieu of digital scrolls  
d. High efficiency low speed fans in lieu of specified VFD fans  
e. Field installed chilled water storage tank in lieu of factory installed.  
f. Thermostatic expansion valve in lieu of electronic expansion valve.  
g. Copper tube/aluminum fin condenser in lieu of all aluminum microchannel

**E&C Response: Minimum tonnage and MCA need to be met. Having a separate storage tank may also be a spatial issue. Additional pad and additional piping would need to be designed by the contractor to add to the cost as well in lieu of what is shown.**

44. Spec Section 23 64 26 – Specification is an unedited proprietary Carrier document. Please provide the following clarifications:

- a. Paragraph 2.01 L 4. says pump VFD is required for a non-specified model. Please confirm that pump VFDs are not required.

**E&C: No VFD on this model.**

- b. Paragraph 2.01 M. 2. a. says chiller must operate down to -20 degrees F. Please confirm the 32-degree F operating condition described in paragraph 2.01 I.1. is adequate.

**E&C: This is a standard option on Carrier chiller. Please provide.**

- c. Paragraph 2.01 M 4. a. describes E-coated condenser coils. Please advise if the condenser coating is required.

**E&C: What would be supplied as an equivalent?**

- d. Paragraph 2.01 M 5. describes a remote display mounted indoors. Please advise if this feature is required.

**E&C: Not required.**

- e. Paragraph 2.01 M. 21 describes 65 kA SCCR device. Please confirm this feature is required.

**E&C: Yes, required.**

- f. Paragraph 2.01 M 24 describes a remote cooler kit. Please confirm this feature is not required.

**E&C: Not required.**

**E&C Response: Spec reads comments are applicable when certain packages are scheduled so not all sections will apply. See above for response.**

45. Spec Section 26 05 73 – This spec section indicates the following studies be completed prior to the electrical submittals being submitted. Please clarify if the following studies have been performed and will be provided at the start of the project, as it will cause a significant schedule delay to have to perform these studies for the existing building/equipment:

- a. Short Circuit Analysis
- b. Protective Device Coordination Study
- c. Emergency Power System Selective Coordination Study
- d. Arc Flash and Hazard Studies

**E&C Response: It is the contractor's responsibility to perform the studies listed in section 26 05 73 as required in this section. It is important for the contractor to commission these studies as quickly as possible to minimize delay.**

46. Spec Section 26 41 13 – This spec section indicates a lightning protection system is to be installed for the building addition. This does not appear to be indicated on the drawings. Please clarify if a lightning protection system will be required. If so, please provide details.  
**E&C Response: Lightning protection is required for the addition as required in the specs. This is a performance spec so there is no design shown on the drawings. Provide a UL certified system tied to the existing main building system. Provide pricing for the lightning protection as an add/alternate. Also note that the existing one story Linac addition does not currently have lightning protection. Typically a UL certified system must include the entire building so any short comings with the existing building will likely need to be addressed.**

47. Sheet A-103, please confirm if there is irrigation scope at the landscape expansion.  
**Kimley Horn Response: We can provide an irrigation plan if preferred over a sub-contractor. Sometimes a sub-contractor is better suited. We would wait to prepare a plan until after the landscape plans are approved and ideally after construction has commenced when the existing irrigation system is better understood.**

48. Sheet A-600, please provide specification for rubber flooring.  
**P&W Response: Specification section 09 65 00 has been modified to include rubber flooring. See Addendum 03.**

49. Sheet P-702, please indicate if the new med-gas wiring will need to be connected to the existing building.  
**E&C Response: Yes.**

50. Sheet M-300A, please indicate if the new steam generator require exhaust to the roof? Currently nothing is shown on sheet M-202.  
**E&C Response: Based upon the cutsheets we asked Steris to confirm, we did not see a requirement for an exhaust to the roof for the new steam generator. If it is required, we will need a cutsheet from Steris indicating the requirements.**

51. Sheet E-301, please indicated if there is an existing Central Clock system that the new one needs to connect to, reference Note 4, sheet E-301.  
**E&C Response: The infrastructure for the new central clock system is a 1 port data drop as shown on E-301. If there is any further scope require it will be shown on the equipment drawings.**

52. Sheet E-701, confirm if the breaker in the existing MSA for the new panel NH2 is existing, or needs to be provided new.  
**E&C Response: Yes, this is a new breaker. Revit is having line weight issues that should be corrected in Addendum 3.**

53. Sheet E-701, confirm if the breaker in existing MDP for the new steam generator is existing, or will be provided new.  
**E&C Response: The breaker in MDP is an existing breaker with an adjusted trip value.**



54. Please provide concrete strength requirements for site paving.

**Kimley Horn Response: This will come from a Geotechnical report. Typically 4,000 PSI strength is required.**

55. Sheet A-211, please provide product information for item 4198-007.

**PWP Response: Mop Rack, 1993 Closet Organizer/Toll Holder (34 in), Rubbermaid. See Addendum 01 HM Equipment List. Sheet A-130 Equipment Schedule will be revised in Addendum 02 to include this product.**

56. Sheet A-210 – Details 1, 2 & 15 indicate PL1 on the walls. The floor plan and finish schedule both indicate the OR walls will received HWS (Whiterock). Please confirm these elevations should indicate HWS1 or HWS2 instead of PL1.

**PWP Response: Elevations should indicate HWS1 or HWS2 at OR walls.**

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Attachment for RFI 29, photos of the Existing OR:



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