

REQUESTS FOR INFORMATION (RFIs) - RESPONSES

1. Confirm Hinged water box is required for the evaporator barrel for the chillers? SPEC 230511

VA Response: Yes, hinged water box is required.

2. Confirm sound testing is required for the chillers? If sound testing is required please provide testing requirements. SPEC 230511

VA Response: Yes, sound testing is required. The testing requirement can be found in the specification section 230593, Paragraph 3.9.

3. Spec section 2.1.J requires minimum 1.5" thick insulation. Note 2 of the equipment schedule indicates 3/4" insulation. Please confirm insulation thickness requirement? SPEC 230511

VA Response: Insulation shall be provided by chiller manufacturer. It is acceptable if the factory standard insulation is 3/4" thick.

4. CH-1 (E) 10" CHWS is missing the second isolation valve at the 16" header. The only (E) isolation valve is located at the north end of the chiller approx 3' AFF. Confirm contractor is required to install new isolation valve?

Confirm if a shutdown is acceptable for the cut-in of the new isolation valve. SPEC 230511

VA Response: NEW isolation valve is required and location shall be adjusted as to suit to make the right connection to the new chiller. A shutdown is acceptable for the cut-in. The shutdown shall follow the note #10 at Project Scope of Work on sheet GI001. Minimize chiller plant shutdown and coordinate all work that will require shutdown into one schedule.

5. Confirm (E) 600 ton (CH-4) CHWS&R branch lines are sufficient for the new 900 ton chiller? SPEC 230511

VA Response: The design intent is to minimize the chiller plant shutting down. The existing branch lines upstream of the isolation valves can remain. The new branch lines downstream of the isolation valves shall match the new chiller inlet and outlet sizes.

6. CH-4 (E) CHWS isolation valve is located at the south end of the chiller approx 5' AFF. Confirm contractor is require to install new isolation valve for the removal/installation of the new 900 ton chiller? Confirm if a shutdown is acceptable for the cut-in of the new isolation valve. SPEC 230511

VA Response: Same response as number 4 above.

7. Project phasing indicates to replace CH-1 before CH-4. There is no room in the Central Plant to remove CH-1 as a complete unit. This phasing plan will require the complete dismantling of (E) CH-1 to remove from the Central Plant and complete dismantling and assembly of (N) CH-1 to be install in the Central Plant. Confirm dismantling/assembly of the new chiller CH-1 is acceptable? SPEC 230511

VA Response: Yes, dismantling/assembly of the new chiller CH-1 is acceptable. The disassembly and reassembly of the new chiller shall be done by the chiller manufacturer at project site.

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8. If dismantling/assembly of the new chiller is not acceptable, is it acceptable to remove both chillers at the same time? Will a temporary Chiller be required to combined phases 1 & 2? SPEC 230511

VA Response: It is acceptable to remove both chillers at the same time. A temporary chiller is required if phase 1 and 2 are combined and should be part of the contractor's bid. Sequence of work shall also be closely coordinated with electrical work.

9. From Phase 1 to Phase 2, is there any minimum amount of time chiller 1 needs to run before Phase 2 starts on chiller 4?

VA Response: Phase 1 chiller (chiller 1) needs to run minimum 14 days continuously before phase 2 starts.

10. On chiller #4 carrier 600 ton is being replaced with a 900 ton chiller. During jobwalk all existing pipe go to existing 900 ton chiller. Pipe size looked to be 12" pipe. Pipe size going to existing 600 to carrier looks to be 10" pipe. The drawing shows POC to existing valves will be 10" pipe be sized correctly to a new 900 ton chiller. This is on condenser water piping supply & return. Please confirm that the pipe sizing to condenser pipe is right size or will the POC have to go back to the main?

VA Response: Note that the design intent is to minimize the chiller plant shut-down. Contractor's bid shall include replacing the valves and branch pipes to suit new chiller requirements. The shutdown shall follow the note #10 at Project Scope of Work on sheet GI001.

11. On drawing MH-101 there are two (2) deducts one (1) for heat exchanger one (1) pump. On spec section 01-000-2, 1.2 statement of bid items A-B-C which deducts are we to follow for bid? The deducts are written in 2 different ways. Please clarify.

VA Response: Specification section 010000 shall be followed.

12. There is currently rain rental tanks and pumping system on the exterior next to the central plant. Will these be on site during the time of our contract, thus not allowing us to use the louvers to move equipment in and out of the chiller plant?

VA Response: No, they will not be on site during construction of this project.

13. Please confirm that the gantry crane on chiller 1 is to be removed?

VA Response: Removal of Gantry crane will be optional. If needed to be removed to eliminate obstructions to the removal and installation of new chillers, removal and disposal cost of gantry crane shall be part of contractor's bid.

14. Please provide pipe size requirements. There are no pipe sizes shown on the drawings for the chiller laterals from chilled or condenser water headers to chillers, or the new pump.

VA Response: All sizes of the branch pipes to the chillers shall match the purchased chiller inlet/outlet sizes. The sizes of the new branch pipes to the new secondary pump (P-7) shall be 10".

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15. The table in section 23 05 41 calls for type "S" isolators for the base mounted pump. There is no type "S" isolator in the specification. Please clarify what type is to be provided.

VA Response: Use Type SS isolator per section 23 05 41.

16. Please confirm all material is required to be domestic as per the Buy American Act.

VA Response: Yes. Material shall be in accordance with Buy American Act.

17. Please provide pipe drop size for Alt pump P-7.

VA Response: See response to RFI #6.

18. Detail 2/MH501 refers to Alt BD/A1 (heat exchanger) per structural HX mounts directly to pad, no isolation. Please confirm.

VA Response: Yes. HX to mount directly to the pad and no isolation required.

19. Is there a detail for supporting the in line pumps?

VA Response: The Pipe Support Detail for the in-line pumps is attached with this response.

20. Will the VA operating engineers be available to do the control system shut down of the chillers and pumps and removal of any existing sensors?

VA Response: Existing VA Loma Linda's building management system (BMS) is an Andover Continuum. Controls work shall be carried out by Andover authorized Service Company and cost shall be included in the contractor's bid.

21. Will reprogramming of the sequence of operation for plant operation during the project be done by the existing controls company to prevent any nuisance trips?

VA Response: See response to item 12 above.

22. Switchboard DB-CH is shown as switchgear against the wall without rear access and dimensions of 70"W x 40.375"D on drawings EP101 and EP701. Will "DB-CH" be acceptable as a UL891 switchboard 108"W x 60"D? As an alternate, we can also provide this UL891 switchboard with 108"W x 48"D, two 1200A breakers per section, one breaker having its load cable going through bottom and second breaker having load cables going through top. VA RESPONSE: Switchboard "DB-CH" with 108"W x 60"D is acceptable, modify and enlarge concrete pad to suit new dimensions. Cost shall be included in the contractor's bid. Submit shop drawing for approval.

23. Dimensions of substation "US-6" will be larger than what is shown on drawing EP701 due to transformer design to confirm with DOE 2016 requirements. Will this be acceptable?

VA RESPONSE: US-6 substation shall comply with DOE 2016 requirements. Modify and enlarge concrete pad to suit new dimensions. Cost shall be included in the contractor's bid. Submit shop drawing for approval.

24. Are the wiring to chilled water pumps p1 & p4 to be reused?

VA Response: Revised drawing EP003 is attached to replace wiring for P1 & P4.