

May 30, 2014

AMENDMENT NO. 2

VA Health Care System
Expand Imaging and Lab
Fargo, ND Image 1013.14 / VAMC 437-CSI-105

A. Refer to the SPECIFICATIONS of the above project and make the following additions, corrections, deletions, corrections and/or interpretations.

1. Refer to Specification Section 01 00 00 GENERAL REQUIREMENTS, Article 1.24 Government-Furnished Equipment: REPLACE article in its entirety with the following:
 - A. *Refer to drawings for types, quantities and locations of equipment furnished by Government.*
 - B. *Equipment furnished by Government will be furnished at the Medical Center.*
 - C. *Notify Contracting Officer in writing, 60 days in advance, of date on which Contractor will be prepared to receive equipment furnished by Government. Arrangements will then be made by the Government for delivery of equipment providing the equipment purchase contract by the VISN and NAC allows for this to be done in this time frame.*
 - D. *Equipment furnished by the Government will be delivered in a partially assembled (knock down) condition in accordance with existing standard commercial practices, complete with all fittings, fastenings, and appliances necessary for connections to respective services installed under contract. All fittings and appliances (i.e., couplings, ells, tees, nipples, piping, conduits, cables, and the like) necessary to make the connection between the Government furnished equipment item and the utility stub-up shall be furnished and installed by the contractor at no additional cost to the Government.*
2. ADD attached Asbestos Abatement Specification Sections 02 82 11, 02 82 13.13, 02 82 13.19 and 02 82 13.31.
3. Refer to Specification Section 11 77 00 RADIOLOGY EQUIPMENT: REPLACE section in its entirety with the attached revised Section 11 77 00. New Owner-furnished radiology equipment to be installed by Owner. Existing radiology equipment to be relocated and installed by Contractor.

4. Refer to Specification Section 12 34 50 STEEL CASEWORK, 2.3 A.2 Sinks: ADD the following: *Typical sink depth shall be 8", except at Room 1A-30 Chemistry/Hematology, sink depth shall be 11".*

B. Refer to the DRAWINGS of the above project and make the following additions, corrections, deletions, corrections and/or interpretations.

1. Refer to Drawing Sheet A2, Detail 1/A2: ADD two (2) additional 8 foot long roof curbs spaced and located as required to support additional rooftop CT chiller (see Paragraph B.8 below).
2. Refer to Drawing Sheets A3, A4 and A5: REVISE Drawing Title Block Scale to: $1/4" = 1'-0"$.
3. Refer to Drawing Sheet A3 IMAGING EQUIPMENT PLAN: New Radiology equipment to be installed by Owner. REVISE/ADD notes under CT SCAN SYMBOLS LEGEND and RADIOGRAPHIC FLUOROSCOPIC SYMBOLS LEGEND:
 1. *New Owner-furnished and installed equipment.*
Contractor to provide all services and connections.
 2. *Refer to Mechanical Drawings for related Mechanical construction.*
 3. *Refer to Electrical Drawings for related electrical construction.*
4. Refer to Drawing Sheet A4 LABORATORY EQUIPMENT PLAN: DELETE Owner-furnished Equipment Item No. 4 Undercounter Glass Washer at Chemistry/Hematology 1A-30.
5. Refer to Drawing Sheet P4 BASEMENT PLUMBING PLAN: Relating to DELETED undercounter glass washer at Chemistry/Hematology 1A-30: DELETE all associated plumbing piping including waste, hot water, cold water and RO piping. The cold water main shall remain 3/4" inches. DELETE work required at existing RO equipment and DELETE required disinfection of existing RO piping. DELETE Plan Notes 3, 4 and 5.
6. Refer to Drawing Sheet P5 FIRST FLOOR PLUMBING PLAN: Relating to DELETED undercounter glass washer at Chemistry/Hematology 1A-30: DELETE Note 7 and all associated piping including the Wall Box P-808. DELETED plumbing piping shall include waste, hot water, cold water, and RO piping.
7. Refer to Drawing Sheet H5 FIRST AND SECOND FLOOR HVAC PIPING PLANS:
 - a. ADD work to install one new CT heat exchanger cabinet and outdoor cooling unit. Provide 1-1/4" Type L copper piping between the CT Scanner indoor heat exchanger cabinet (located in the First Floor CT Equipment Room) and the outdoor cooling unit (located on the Roof). Both the indoor heat exchanger unit and outdoor unit are supplied by the CT Scanner Supplier but installed by the Mechanical Contractor. Flexible hoses are furnished by the supplier for the connection to the indoor heat exchanger and outdoor units, but the mechanical contractor will trim hoses and connect to the unit and to the field installed piping. The piping shall be insulated with

1/2" flexible elastomeric cellular thermal insulation including all flexible hoses. 23.8 gallons of anti-freeze solution is furnished by the CT Scanner Supplier. Provide additional 34% glycol solution as required based on as-built conditions. Coordinate with the Supplier for glycol type. The Mechanical Contractor shall fill the system up to a pressure of 29 psi (+/- 3 psi).

- b. ADD a 3/4" condensate drain from the CT scanner gantry to the waste piping serving the sink. The condensate drain shall be routed below the floor and connected to the waste piping prior to the P-trap.
 - c. The added work for the CT chiller and condensate drain listed above is based on one of the CT's. Final revision drawings shall be issued when the second CT is selected. The Siemens CT drawings are attached for reference.
8. Refer to Drawing Sheet H8 MECHANICAL ROOF PLAN: ADD installation of the CT cooling outdoor unit on the roof curb and connect to field installed piping. Piping shall be routed in field-installed roof-mounted piping penetration weather hood provided by the Mechanical Contractor. Provide roof-mounted pipe supports for all roof mounted piping. Provide neoprene isolation pads along the entire length of the outdoor unit support rails. All exterior piping insulation shall be wrapped with an aluminum jacket.
 9. Refer to Drawing Sheet E3 BASEMENT AND FIRST FLOOR DEMOLITION PLAN - ELECTRICAL, Note 12: REVISE to the following:

The equipment in the Radiographic Fluoroscopic room (1B-54), Radiographic room (1B-50) and Chest Room (1B-51) are to be salvaged and relocated to the new rooms on sheets E10, E11 and E13. All required radiology equipment, cables, etc. shall be salvaged for reinstallation. Coordinate exact requirements with equipment installer.
 10. Refer to Drawing Sheet E6 LARGE SCALE FIRST FLOOR REMODELING PLAN - POWER:
 - a. CLARIFICATION regarding Motors 5 and 6: Motors 5 and 6 are redundant pumps which can be fed by one 90/3 breaker being added in Panel 90S2, Circuits 25, 27, 29.
 - b. CLARIFICATION regarding Motors 11 and 12: Existing breakers in EB90W2 can be used to supply power to each motor. One (1) 100/3 breaker for Motor 12 and one (1) 50/3 breaker for Motor 11.
 11. Refer to Drawing Sheets E8 and E9 CT SCAN ELECTRICAL DRAWINGS: See the attached Siemens Drawings E-101 and E-102 for the CT Scan rough-in requirements. The Contractor shall use these drawings as a supplement to E8 and E9 to bid the rough in and wiring for the Siemens equipment to be provided. The final fit-up drawings will be provided as supplementary information after award of the project that will be used for final rough-in and wiring.
 12. Refer to Drawing Sheet E10 RADIOGRAPHIC FLUOROSCOPIC - ELECTRICAL PLAN, NOTES AND DETAILS:

- a. REVISE Conduit Required Table, Notes A and B to the following:

Note A: Conduit supplied and installed by Contractor. Contractor shall install salvaged equipment cables.

Note B: Conduit and cables supplied and installed by Contractor.

- b. REVISE General Electrical Information, Note 2 to the following:

The Contractor shall be solely responsible, at its expense, to provide and install all electrical ducts, boxes, conduit, cables, wires, fittings, bushing, etc., as separately specified herein.

13. Refer to Drawing Sheet E11 RADIOGRAPHIC - ELECTRICAL PLAN, NOTES AND DETAILS, Conduit Required Table: REVISE Note A to the following:

Conduit supplied and installed by contractor. Contractor shall install salvaged equipment cables.

14. Refer to Drawing Sheet E16 ELECTRICAL SCHEDULES, Panel 91N6: REVISE the rating of the panel to 600 amperes. Provide 150/3 breakers for the 2 CT Scan units.

15. Refer to Drawing Sheet E18 ELECTRICAL DETAILS:

- a. REVISE X-Ray Panel Riser Diagram 1/E18 per the attached Drawing.
b. ADD attached Drawing 11/E18 for layout of existing Electrical Room BA-10.

C. Response to Contractor Questions:

1. Drawings appear to have handrail and corner guards schedule for certain areas but there are no keynotes identify locations to figure quantities: **See graphic legend under General Notes on Drawing Sheet A2 identifying wall protection symbols occurring throughout Floor Plan.**
2. Will Asbestos Specification Sections be provided? **See attached Asbestos Abatement Specification Sections 02 82 11, 02 82 13.13, 02 82 13.19 and 02 82 13.31.**
3. Is a hard construction wall needed when existing southeast masonry wall of existing Storage 1A-72 is removed under Phase 3 for construction of new south wall of Blood Bank 1A-30H? **Hard wall is NOT required between completed remodeling not yet in operation and continuing demolition and remodeling. Plastic barriers would be acceptable for dust control.**
4. Are there any plaster/lath ceilings above existing acoustical ceilings that will require removal? **Where existing ceilings are to be removed, such removal shall include ceilings which occur above the indicated ceiling. Refer to Drawing Sheet X1, General Note 3.**

5. Do you have additional information on new VA-furnished radiology equipment and relocated existing radiology equipment being installed and relocated by Contractor? **Utilize Mechanical and Electrical Drawings for services and connections to equipment. See Sections A and B above, and attached Manufacturer data for additional information on one (1) of the new CT Scanners. See Sections A and B above regarding revised responsibilities for equipment installation.**
6. Detail 4/S2 indicates a W24 roof beam. The Second Floor Equipment Support Plan on Sheet S2 shows an existing W12 beam into which all W6x15 beams tie into. Which is correct? **Yes, the W24 roof beam is existing.**
7. Details 1/S2 and 2/S2 indicate W10 purlins. The Second Floor Equipment Support Plan on Sheet S2 shows an existing beam in which the unistrut support rails clamp onto. Are the W10 beams existing? **Yes the W10 beams are existing.**

D. Attachments:

1. Asbestos Abatement Specification Sections 02 82 11, 02 82 13.13, 02 82 13.19 and 02 82 13.31
2. Specification Section 11 77 00 RADIOLOGY EQUIPMENT
3. Siemens Typical Drawing for Somatom Definition AS CT Scan Equipment
4. Electrical Drawings R1/E18 and R2/E18

END OF AMENDMENT NO. 2