pfb architects
Cincinnati • Chicago
9461 Kenwood Road · Cincinnati, Ohio 45242
Phone (513) 861-3200 · Fax (513) 861-0403 · www.pfbarchitects.com

January 25, 2016

Attn: Paul Mishurda

Re: MRI Site Preparation
Cincinnati VA Medical Center
539-CSI-201
Bidder Questions and Responses

Question 1: What will the construction contractor role be when Siemens is installing the MRI?

Response: The contractor should have the room complete prior to Siemens arrival except for closing the path after Siemens gets the magnet into the room. Siemens will provide all rigging for the system except the chiller and the shoring of the Magnet Delivery Path indicated on sheet AD-102. The chiller is typically delivered two or three weeks before the system and the contractor is responsible to off load and install the chiller. The delivery path shoring must be installed by the contractor prior to Siemen's arrival as well. The contractor's responsibilities prior to Siemen's arrival also include installing the IFP panel in the equipment room, installing the supply and return lines between the IFP and chiller, and filling the lines with ethylene glycol. This work is depicted in the drawings and is further clarified in Addendum #1.

Question 2: For the new RF flooring system, is the existing flooring recessed the necessary 2" for the new floor to be installed or do we need to demo the floor 2" down?

Response: Existing drawings from original construction indicate structural slab was poured with 2" recess in this area. The note from that set reads, "Infill 2" recess in floor slab in this room/area with floor leveler." "Provide separator sheet between concrete slab & leveler." Contractor is to remove the 2" infill as necessary for installation of the RF Shielding.

Question 3: Who is required to provide testing and certification of the RF Shielding?

Response: Required testing and certification of the RF Shielded Enclosure is described in Specification Section 13 49 26 – 3.3 and is to be included in the Contract for Construction.

3.3 TESTING

A. Test enclosure in accordance with IEEE-299, as modified for MR system installation. Demonstrate the required attenuation as detailed under Performance paragraph.

B. Qualification Testing: Perform immediately after completion of the enclosure and prior to installation of architectural surfaces within or outside the enclosure. Make no trade connections to enclosure until successful completion of test process.

1. An observer of the Owner, or the general subcontractor, or the MR manufacturer will witness the test procedure. Notify the contracting party that the RF test is to occur. If an observer fails to

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appear, the RF enclosure subcontractor is to commence with the RF test and furnish the test report as required in 3.3B.2.

2. Furnish a written test report to the contracting party.

C. Acceptance Testing: Perform immediately after installation of the selected MRI assembly and closure of the RF entrance panel.

1. An observer of the Owner, or the general subcontractor, or the MR manufacturer will witness the test procedure. If an observer fails to appear, the RF enclosure subcontractor is to commence with the RF test and furnish the test report as required in 3.3C.2.

2. Furnish a written test report to the contracting party.

D. Ground Isolation Monitoring: Monitor ground isolation during entire phase of construction for a minimum of 1,000 ohms above earth potential. Immediately correct deficiencies found that are the result of a fault condition caused by the enclosure supplier. Immediately report deficiencies found to be caused by other trades.

1. Provide a device for continuous monitoring of the RF enclosures ground isolation. Device is to remain with the enclosure for follow up monitoring by the general subcontractor.

2. Furnish a certification of compliance to the contracting party.

Sincerely,
PFB Architects, Inc.