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## Granville Imaging Suite

Haskell Project # 1785003

### DCR Responses

### ADDENDUM #2

Date: 9 May 2025

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1. **DCR:** The only place on the drawings showing Wall Protection is door infills in the corridor. Is this correct?

**Answer:** The design intent is to utilize existing wall protection (sheet goods and wall guards). Contractor to remove, cut, and reinstall wall protection to accommodate the new openings. Additionally, end caps or trim will be required for the new opening layout. See re-issued 10 26 23.13.

2. **DCR:** Can you provide a physics report for the needed equipment?

**Answer:** The hospital has requested the report. The basis-of-design for shielding is stated in the design documents.

3. **DCR:** The spec section for the existing roof system states that the roof type is an EPDM membrane roof. Has this been verified and has anyone done a test cut to verify what all is under the membrane roof (insulation type and thickness or deck type)?

**Answer:** The roof membrane type has been inferred from record drawings of the existing building. No field testing has been performed. The insulation type is unknown and the roof deck is understood to be concrete on metal deck.

4. **DCR:** We have received several versions of a request for an unlocked project manual.

**Answer:** Please print-to-pdf any required forms from the project manual.

5. **DCR:** Keyed note 1 on sheet AC-110 indicates existing ceilings to remain, approximately plan south of column line "De" and in the plan west corridor. However, enlarged electrical plan 4/E-113 shows location of new electrical panel 1LEQ in room E-091 which is approximately 45' to 50' plan south beyond the limits of ceiling work; this corridor has GWB ceilings. Additional low voltage systems work is required in the nurse's station per E-114. Please confirm intent is to route home run conduits from new panels and services to the renovated suite areas above this existing ceiling, necessitating selective ceiling removal and replacement in the areas currently shown with no work as ETR. Thank you.

**Answer:** The ceiling plan shows locations where new ceiling is desired. Any ceilings disturbed while installing new work must be returned to their original condition.

6. **DCR:** Please provide as-builts of existing conditions as it pertains to the new work, such as air handling units, controls systems, wall assemblies, floor slabs, and all other available drawings defining existing conditions.

**Answer:** See attached record drawings of the ED and Surgery Renovation project.

7. **DCR:** Following discussion with Istra systems representatives, this vendor offers a basic modular system which is generally consistent with the intent of the base-bid drawing details i.e. a “stick-built” approach with MRI room MEP systems and finishes by the typical trade contractors, however Istra is not listed as an approved vendor in the base bid 13 49 23 specification. Please confirm if Istra is acceptable for the base-bid scope per 13 49 23 and including use of an aluminum RF system versus copper.

**Answer:** Please see updated sections 13 49 23 and 13 49 26.

8. **DCR:** Please confirm wall assembly details as follows:
- Wall type Fa3-L, sheet A-605, confirm add the word ‘1/16” Lead lining...’ to this description.
  - South wall of Nuclear Med Control 053A, confirm this requires lead lining type Fa0-L (wall not labeled).
  - Confirm locations where detail 4/A-401 applies, specifically the locations of the steel sheeting. Clarify thickness of steel sheet and methods of attachment for this detail and/or provide physicist’s report which is referenced in drawing note and statements in specification 00 31 00. STEEL SHEET MAGNETIC SHIELDING TO 8'-0" AFF. CONFIRM REQUIREMENT AND THICKNESS WITH PHYSICIST’S REPORT.
  - Window types W2, W3, W4, W5 reference B9/A-555 which in turn references lead shielding requirements per physicist’s report. No report provided; please define requirements for shielding in window frames.
  - Wall type Fa0-L, 5/8 lead-lined GWB laminated to existing walls, define criteria where new lead-lined GWB furring is applied over existing devices to remain e.g. electrical wall receptacles. Is the expectation that the existing devices are to be removed, shielding added, and re-installed, per note 8/E-113?
  - Keyed note 3, E-113, “Protect wall boxes in lead lined walls”. Provide construction details defining wall framing criteria implied by this note. This note is identified at a location where a new electrical panel is recessed into an existing wall to remain, with new lead lined GWB furring.

**Answer:**

- The intent is 1/16” lead lining.
- Confirmed.
- Until the physicist’s Shielding Report and direction from the manufacturer of the MRI equipment are received, the bid for the steel sheet magnetic (EMI) shielding shall be based on providing a metal thickness of 0.0747 inch (fka 14 gage) up to 96 inches above finished floor on all stick-built walls enclosing the MRI as specified in the revised Section 13 49 23 (“Integrated RFI/EMI Shielding Assemblies”).
- Window frames shall have lead thickness equivalent to the wall in which they are built.
- Confirmed, please reinstall devices in walls that have new gypsum board applied.
- All wall boxes shall be wrapped in lead of thickness equivalent to the wall in which they are built.

9. **DCR:** As presented, 13 49 26 is titled as a “modular RF system” but section 2.01, A, 1 specifies a ‘turnkey’ modular system from a sole-source vendor. This turnkey modular product includes all MEP components and interior finishes provided inside this space. Please confirm it is the turnkey version of the modular system that is requested in this specification for Alternate #1. None of the design drawings define the implications of a turnkey modular alternate for other trades. We request further guidance from the design team. Issues include, for example:
- a. The electrical plans show at least three panelboards providing normal power, emergency power, and lighting to the devices and fixtures in this room. In contrast, specification section 2.03, I, 2, indicates to provide a single panelboard to power LED lighting and power devices, but does not define how this vendor panel is connected to the building’s electrical system, nor how the base-bid scope should be adjusted to delete the unnecessary circuits, or the implications of normal vs. emergency power intent now fed from a single source.
  - b. Deletion of finishes scopes (floor, ACT, wall assemblies) as impacted by this turnkey alternate have not been defined. For example, the turnkey room comes with its own finished wall panels, implying wall assembly RF-3 is not required, however this is not shown.
  - c. Points of connection for ductwork outside the modular system are not defined.

**Answer:** Please see updated specification section 13 49 26. The alternate is intended to describe a turnkey room provided by the modular manufacturer. Article 2.02 (A) states “Contractor is responsible for designing, furnishing and installing complete shielded room that meets the requirements of the Contract Documents”.

- a. The single panelboard in Subparagraph I.2 in Article 2.03 (“Shielding Components – Based on Bolted Aluminum Panels and Structure”) of Section 13 49 26 (“Modular RFI Shielding Rooms”) has been dropped. Feed normal power, emergency power, and lighting from the panelboards shown on the Electrical Drawings.
- b. The finish on the interior face of the walls enclosing the modular RFI shielding room shall be aluminum painted in a color selected by the Architect from the manufacturer’s full range. The finish on the outboard face of the walls enclosing the modular RFI shielding room shall be gypsum wallboard, applied and finished as specified in Section 09 21 16 (“Gypsum Board Assemblies”) and painted as specified in Section 09 91 23 (“Interior Painting”). The aluminum ceiling grid and mineral fiber panels in the modular RFI shielding room shall be provided as specified in Section 09 51 00 (“Suspended Acoustical Ceilings”). The vinyl flooring in the modular RFI shielding room shall be provided as specified in Section 09 65 00 (“Resilient Flooring”). See Article 1.02 (“Related Requirements”) and Subparagraph J.1.a(1) of Article 2.03.
- c. Contractor responsible for designing complete shielded room meeting requirements of Contract Documents. In addition to ductwork serving the MRI room, there is new ductwork serving other areas that pass over the MRI room.

10. **DCR:**

- a. Sheet E-112 and 01 23 00 define Alternate #3 scope but this alternate does not appear on the bid form. Please add/confirm.
- b. Alternate #2 requires electrical power to be furnished to the backlit ceiling panels. There is no information on electrical drawings related to Alternate #2. Please clarify.

**Answer:** a. See attached updated form of proposal, 00 42 14.  
b. See section 01 23 00 and 09 54 16 for power requirements.

11. **DCR:** Please distribute the sign-in sheet from the pre-bid sitewalk held 4/30/2025, along with any meeting minute notes for information discussed during the sitewalk.

**Answer:** See attached sign in sheet and minutes.

12. **DCR:** Please provide detail / define extent of shielding as required by this note, including thickness. The General contractor has no means by which to determine the correct thickness. ALL FLUSH-MOUNTED BOXES AND DUCT SHALL BE INSTALLED WITH LEAD SHIELDING WRAPS. SHIELDING SHALL BE SUPPLIED BY THE GENERAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SUPPLY SHIELDING IN THE CORRECT THICKNESS

**Answer:** Reference basis-of-design lead thickness stated on architectural drawings. Provide equivalent protection for all penetrations to lead lined walls.

13. **DCR:** Note 11D on E-002: PROVIDE 2 WEEK MINIMUM NOTICE OF PROPOSED DATE, EXTENT AND DURATION OF UNAVOIDABLE ELECTRIC POWER INTERRUPTIONS. Clarify hospital criteria for shutting down electrical power in order to install new feeders and circuit breakers in existing switchboards and panelboards: Confirm that these panels may in fact be de-energized as implied by the note. On the contrary, if working in hot panels is required, please state so explicitly for bidders. In other words, define "unavoidable" relative to note 11D on E-002.

**Answer:** No interruption to service will be allowed. If panels must be de-energized, provisions for temporary service will be required.

14. **DCR:** One line drawing E-601 shows existing panel 1LC1 to be re-fed from new panel CT MP. This contradicts sheet E-604 which shows this panel fed from BLEC1. Confirm intent.

**Answer:** Detail 2 on E-601 is representing that the shunt trip is powered from 1LC1. 1LC1 is being fed by BLEC1 per detail 1 on E-601. 1LC1 is not being re-fed by CT MP.

**END OF ADDENDUM**