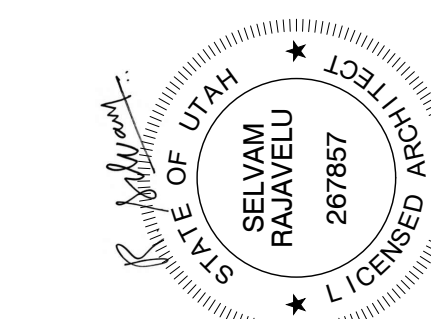






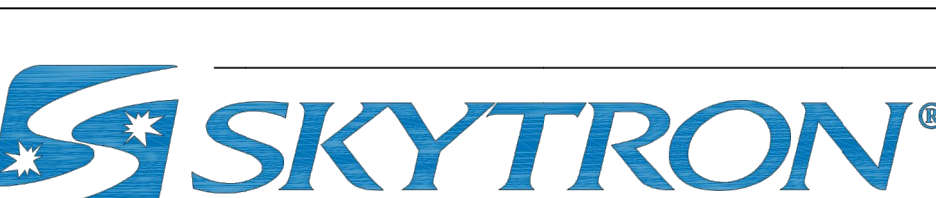
SITE SPECIFIC LAYOUT

EQUIPMENT SCHEDULE	
ID	DESCRIPTION
A	ANESTHESIA
B	X-RAY SHIELD
C	EQUIPMENT & LARGE DISPLAY
* IF SKYVISION IS APPLICABLE, REFER TO THE LAST PORTION OF BOOM PACKAGE *	

IN THE EVENT THAT FIXTURE LOCATIONS NEED TO CHANGE PLEASE CHECK WITH SKYTRON ON THE REVISED LAYOUT LOCATION
 FINAL CONSTRUCTION DOCUMENTS SHOULD BE PROVIDED BY THE ARCHITECT.
 DIMENSION PROVIDED FROM WALLS ARE BASED ON CURRENT INFORMATION PROVIDED TO SKYTRON AT TIME OF DOCUMENT CREATION.

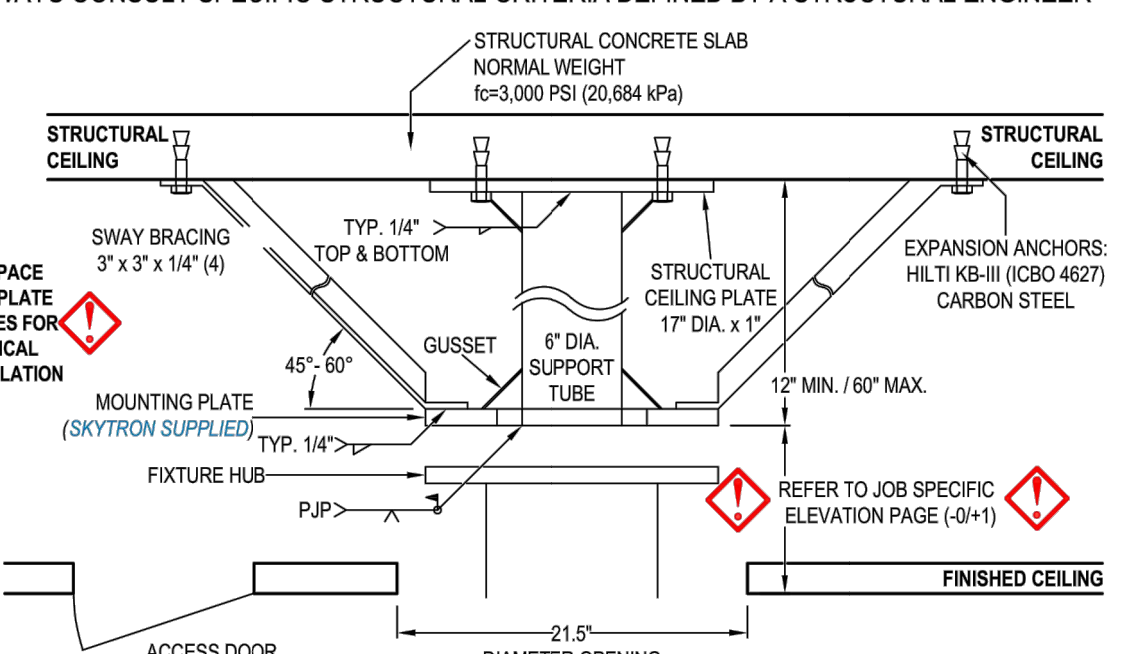
INITIAL: _____
 DATE: _____

PROJECT #:	21-079
SUBMITTAL	PLOT DATE: 10/7/2021
INTERMOUNTAIN MEDICAL	
CENTER LAB #1	
ROOM TYPE: CATH LAB	
REV #:	0
DESCRIPTION:	ROOM LAYOUT
SHEET	00a



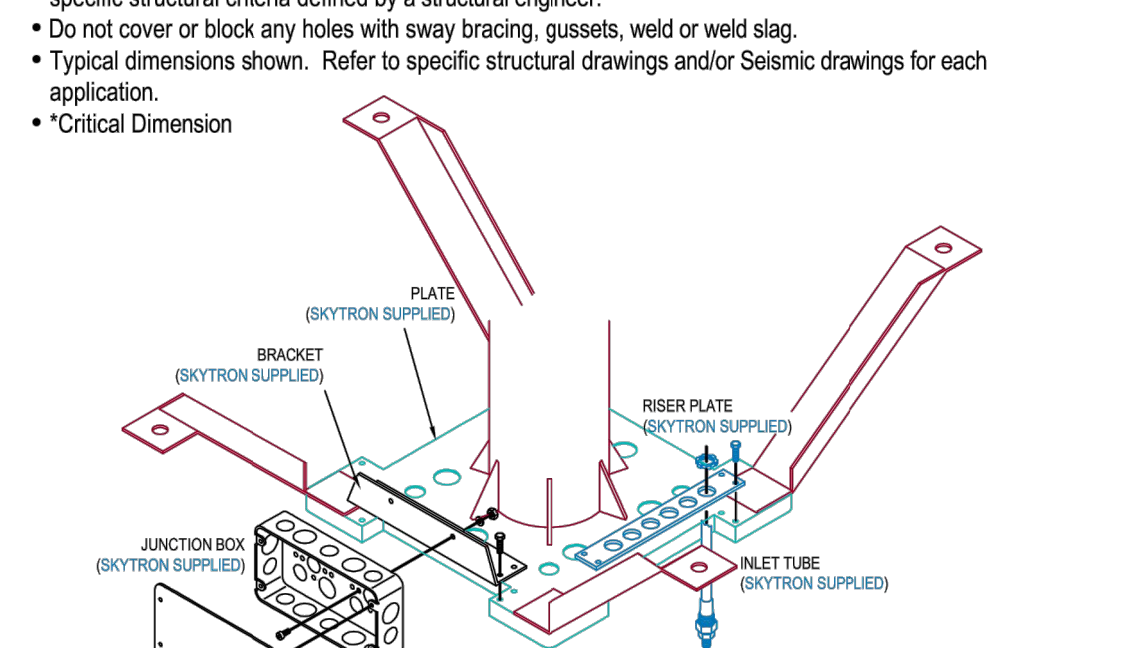
"TYPICAL ROOM MOUNTING STRUCTURE DETAILS"

ALWAYS CONSULT SPECIFIC STRUCTURAL CRITERIA DEFINED BY A STRUCTURAL ENGINEER



NOTES:

- This illustration depicts recommended mounting structure design and its components. Always consult specific structural criteria defined by a structural engineer.
- Do not cover or block any holes with sway bracing, gussets, weld or steel slag.
- Typical dimensions shown. Refer to specific structural drawings and/or Seismic drawings for each application.
- 1 1/2" Mounting bolts and nuts shipped with fixture.



NOTES:

- This illustration depicts a generic mounting structure design and its components. Always consult specific structural criteria defined by a structural engineer.
- 1 1/2" Mounting bolts and nuts shipped with fixture.

INITIAL:

DATE:

STRUCTURAL REQUIREMENTS - Architect and Structural Engineer

Mounting Structure Components

The fabrication of each mounting structure may be slightly different but they each require the same basic components to ensure safety.

Sway Bracing (by others)

Sway bracing is designed to rigidly affix the mounting plate to the structural ceiling. The primary purpose of sway bracing is to eliminate sway, or lateral twisting and flexing of the mounting structure as it "breasts" to dynamic load changes caused by moving the future radial arms. The sway bracing should be welded to the mounting plate and extend away from the center of the mount. A minimum of four sway braces placed 90° apart and positioned at a 45° and 60° angle is recommended.

Minimum recommended material for sway bracing is 3" x 3" x 1/4" angle iron. It is recommended that in all applications the sway bracing be fastened to the structural ceiling.

Structural Ceiling Plate (by others)

The structural ceiling plate rigidly attaches the mount to the structural ceiling using structural anchors appropriate for the ceiling construction. The structural ceiling plate should be a minimum of, 1" ASTM A36 steel plate, 17" diameter with (6) 5/8" diameter holes for structural anchors and is fabricated by others.

Expansion Anchors (by others)

Test 50% of the anchors at 2,000 pounds (907 kg) tension, or 50 ft. lb. (68 N•m) torque per CBC 1925A.3.5.

Installed anchors must meet the following criteria:

1. **Hydraulic Ram Method:** The anchor should have no observable movement at the applicable test load. For wedge and sleeve type anchors, a practical way to determine observable movement is that the washer under the nut becomes loose.
2. **Torque Wrench Method (Wedge or Sleeve type):** The applicable test torque must be reached within one-half (1/2) turn of the nut. Testing should occur no sooner than 24 hours after installation of anchors. If any anchor fails testing, test all anchors until 20 consecutive anchors pass, then resume the initial testing frequency. Test equipment is to be calibrated by an approved testing laboratory in accordance with standardized recognized procedures.

Support Tube (by others)

The support tube required to attach the mounting plate to the structural ceiling plate should be ASTM 500 Grade B, 6" diameter tube. Support tube is to be pre-installed to structural ceiling plate and mounting plate. A minimum of 6 gussets placed 60° apart should be welded to support tube at the structural ceiling plate and the mounting plate.

Mounting Plate (SKYTRON supplied)

The 17.5" x 17.5" x 1" ASTM A36 steel mounting plate is a SKYTRON supplied item. The support tube and sway bracing are welded to the mounting plate. The mounting plate contains the corresponding bolt pattern for attaching the fixture and provides the mounting areas for the junction box and gas riser plates.

Mounting Structure Design

Seismic structural applications differ. Please contact your local SKYTRON representative for specific calculations. The mounting structure must be designed and fabricated to position the bottom of the SKYTRON mounting plate as shown on site specific elevation page. This is a critical dimension in order to accommodate proper clearance required for ceiling cover function. The mounting plate must be perfectly level (+/- 0.1°) and allow no more than two-twentieths of a degree (0.2°) of rotation at the mounting time when the specified load is applied. The mounting structure must be tested for strength and stiffness prior to installation of the fixture. Please contact your SKYTRON representative to schedule testing.

Please consult your SKYTRON representative during early stages of construction to facilitate this process. The testing process is a required, documented function prior to closing of the finished ceiling.

Ceiling Requirements

A 24" x 24" access door must be mounted adjacent to the mounting structure for entry by service personnel for service access.

SKYTRON provides a 24" ceiling cover designed to cover 21.5" diameter ceiling hole cutout.

Additional Items (SKYTRON supplied)

In addition to the pre-installation kit, SKYTRON provides the following items:

- (6) 1-1/4" x 10" threaded rods, (24) 1-1/4" hex nuts, pump enclosure (if applicable)

PROJECT #: 21-078
SUBMITTAL
PLOT DATE: 4/21/2021

INTERMOUNTAIN MEDICAL
CENTRAL LAB #3

REV. # 0
MOL: F110 SERIES
QTY.: 1
DESCRIPTION: ELEVATION DETAILS

SHEET
B1.1

12/14/2021 7:47:29 AM - T:\2001\HC_20229.00\HC - IMC CATH LAB #1\02 BIM - REVIT & AUTOCAD\02 AUTOCAD DWGS\EQ 110 SKYTRON EQUIPMENT.DWG



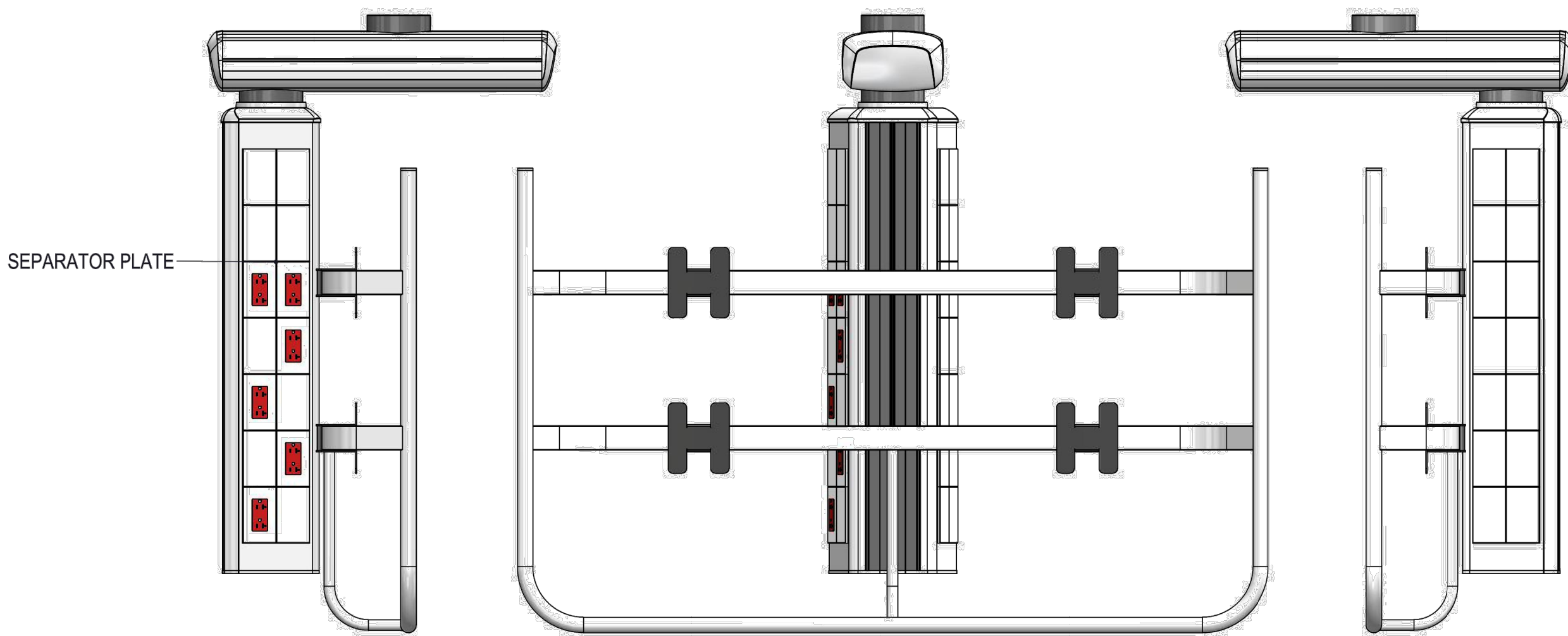
SITE SPECIFIC CARRIER DETAILS

ACCESSORY LIST

(1) BACK UP DISPLAY MOUNTS

*ACCESSORIES NOT SHOWN
UNLESS OTHERWISE NOTED

*COMMUNICATIONS CAN
ONLY BE ADDED ABOVE
THE SEPARATOR PLATE



INITIAL: _____ DATE: _____
CARRIER DIMENSIONS: 48.5"H x 61"W x 28"D
GAS OUTLETS: N/A
ELECTRICAL: (6) 125V, 20A DUPLEX - RED

PROJECT # 21-078
SUBMITTAL
PLOT DATE: 4/21/2021

INTERMOUNTAIN MEDICAL
CENTER LAB # 3

MDL: F340 SERIES
QTY: 1
REV # 0
DESCRIPTION: CARRIER DETAILS
SHEET C2a



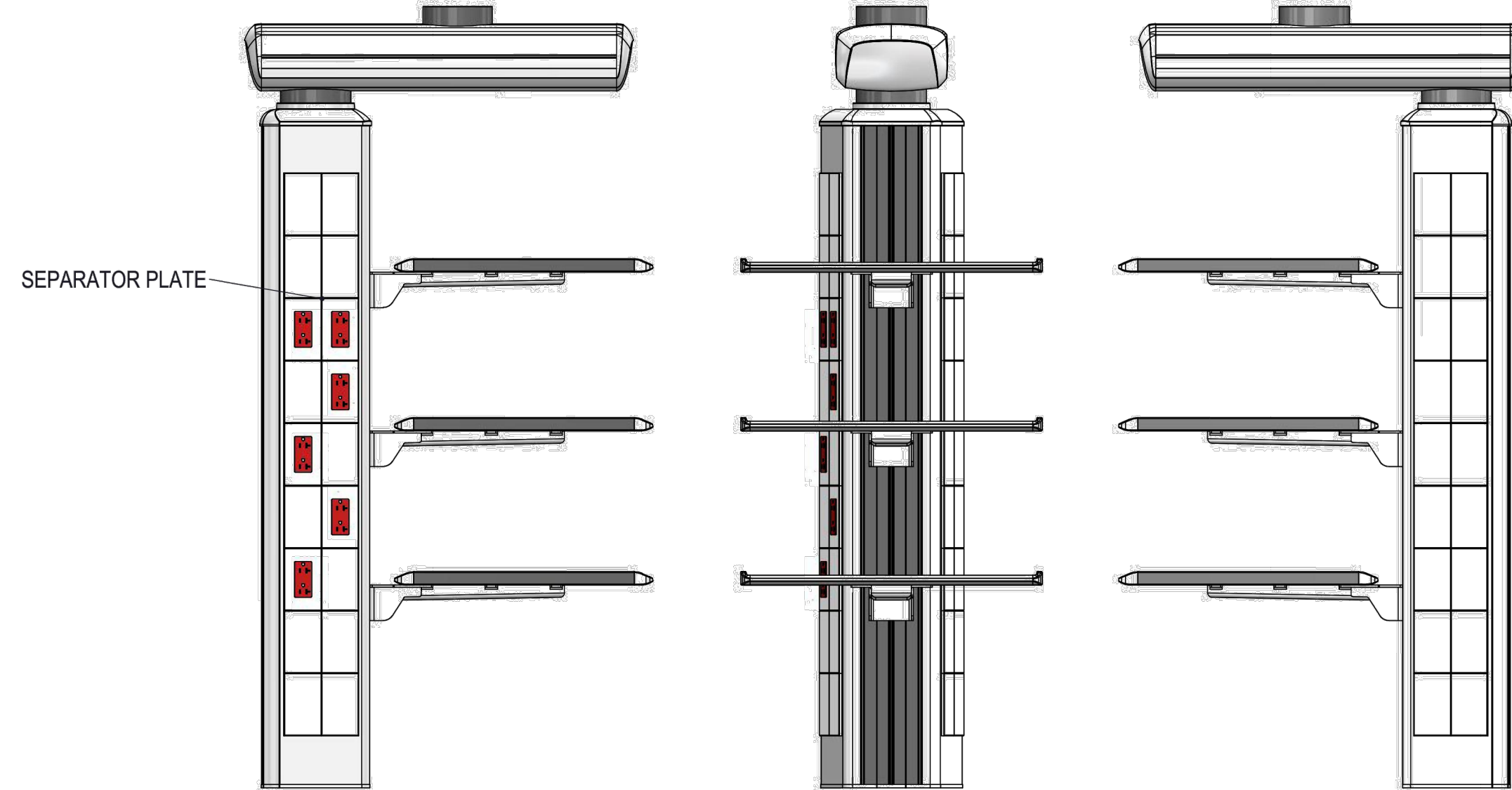
SITE SPECIFIC CARRIER DETAILS

ACCESSORY LIST

(3) 22" SHELF - SHOWN BELOW

*ACCESSORIES NOT SHOWN
UNLESS OTHERWISE NOTED

*COMMUNICATIONS CAN
ONLY BE ADDED ABOVE
THE SEPARATOR PLATE



INITIAL: _____ DATE: _____
CARRIER DIMENSIONS: 55.5"H x 22"W x 30"D
GAS OUTLETS: OHMEDA
ELECTRICAL: (6) 125V, 20A DUPLEX - RED

PROJECT # 21-078
SUBMITTAL
PLOT DATE: 4/21/2021

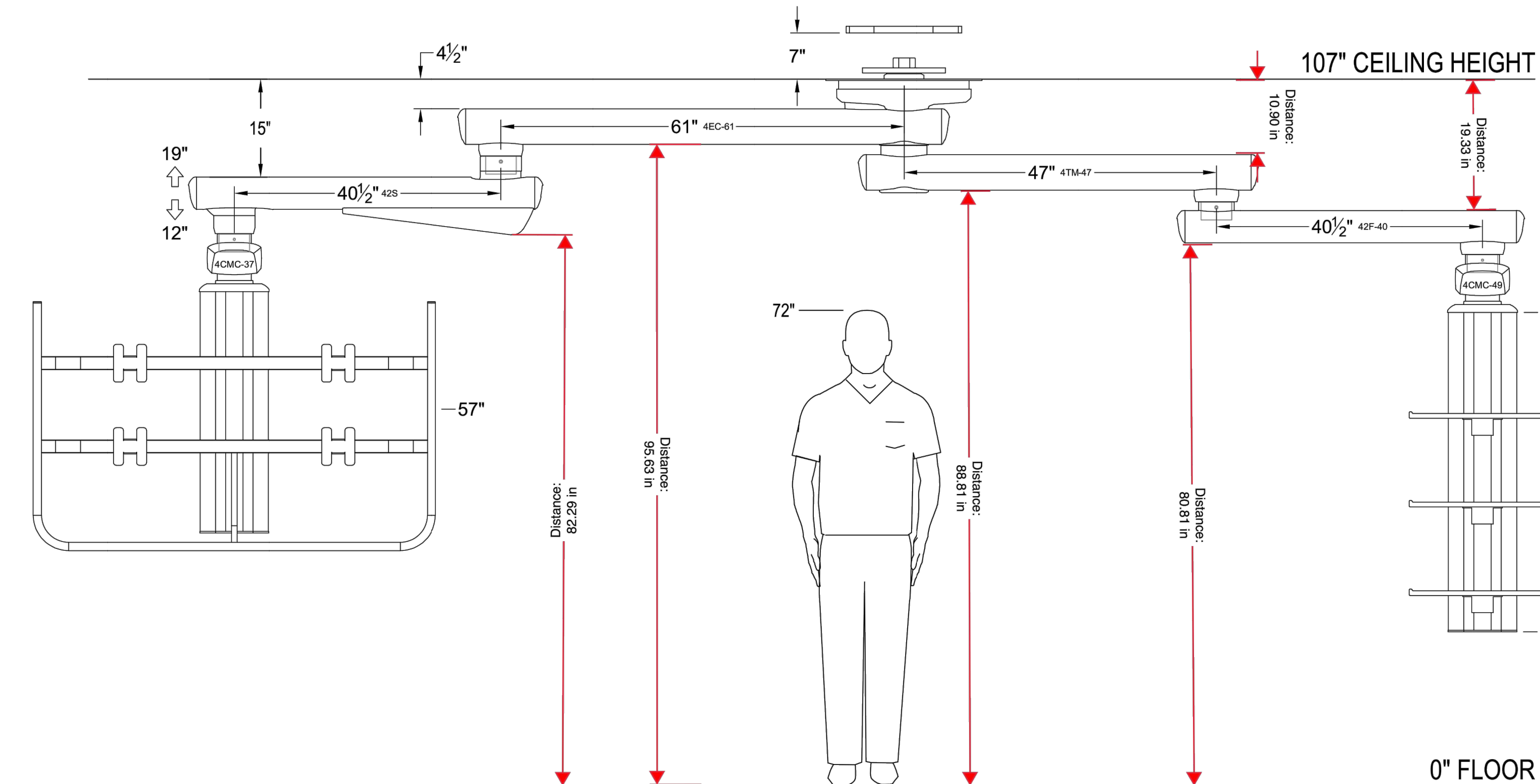
INTERMOUNTAIN MEDICAL
CENTER LAB # 3

MDL: F340 SERIES
QTY: 1
REV # 0
DESCRIPTION: CARRIER DETAILS
SHEET C2b



SITE SPECIFIC ELEVATION DETAILS

PLEASE REFER TO MOUNTING
STRUCTURE DETAIL PAGE FOR
MOUNTING STRUCTURE EXAMPLE



INITIAL: _____ DATE: _____
MAX. FIXTURE WEIGHT: 1673 LBS.
MAX. MOMENT LOAD: 8829 FT. LBS.
EQUIPMENT CAPACITY: 4CMC-37 - 273 LBS.
4CMC-49 - 256 LBS.
SCALE: 3/4" = 1'

PROJECT # 21-078
SUBMITTAL
PLOT DATE: 4/21/2021

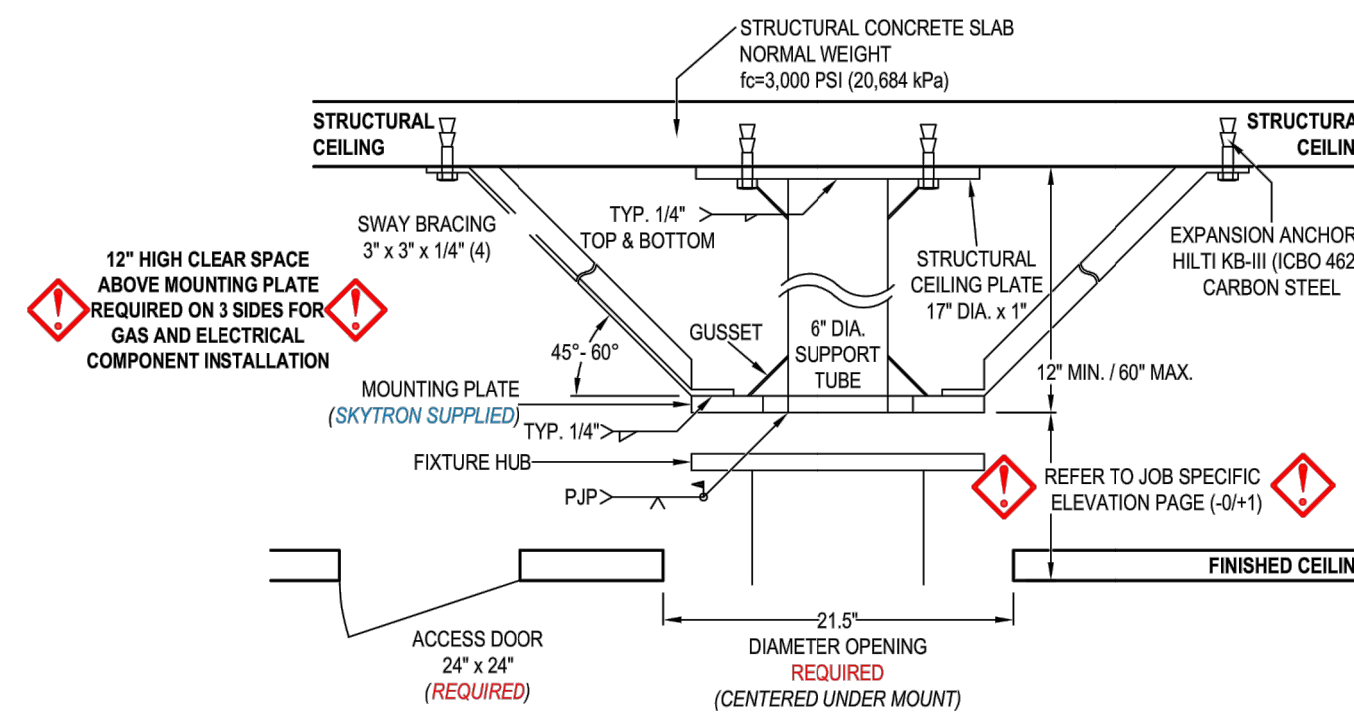
INTERMOUNTAIN MEDICAL
CENTER LAB #3

MDL: F340 SERIES
QTY: 1
REV # 0
DESCRIPTION: ELEVATION DETAILS
SHEET C1



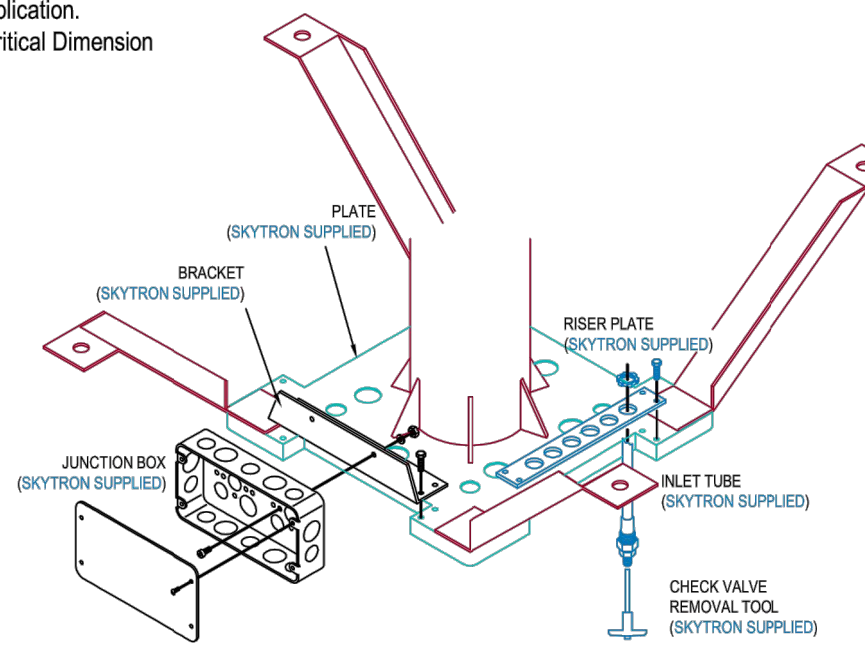
TYPICAL BOOM MOUNTING STRUCTURE DETAILS

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- Typical dimensions shown. Refer to specific structural drawings and/or Seismic drawings for each application.
- Critical Dimension



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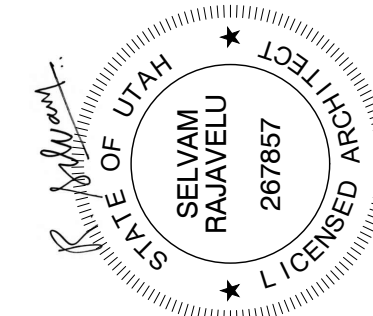
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NJRA Architects, Inc.
5272 S. College Drive, Suite 104
Murray, Utah 84123
801.364.9259
www.njraarchitects.com



Intermountain Healthcare
IMC- Cath Lab 1 Remodel Project

NJRA Project # 20229
Construction Documents December 15, 2021

5121 South Cottonwood Street
Murray, UT 84107

Skytron Equipment

EQ 110

