

Drawing Index

These sheets are a document set and should not be separated. Electrical information and references are contained on all sheets.

SITE READINESS	C1
EQUIPMENT LAYOUT (Equipment locations, heat loads, component weights, environmental specs)	A1
STRUCTURAL LAYOUT (Structural support/mounting locations for floor/wall/ceiling, wall support elevations)	S1
STRUCTURAL DETAILS (Floor and Ceiling loading information)	S2
ELECTRICAL LAYOUT (Contractor supplied wiring, interconnect methods, junction point locations and descriptions)	E1
ELECTRICAL SPECIFICATIONS (Maximum wiring run lengths, interconnect diagram, system power specifications)	E2
ELECTRICAL DETAILS	E3 THRU E4
EQUIPMENT DETAILS	D1 THRU D3

These drawings indicate the placement and interconnection of the listed equipment components. These drawings are not construction or site preparation drawings. Customer remains ultimately responsible for preparing the site to accommodate the operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

* REQUIRED REFERENCE *

Discovery IGS
Pre Installation Manual
5507046-1-1EN

A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation.

Pre Installation documents for GE Healthcare products can be accessed on the web at:

www.gehealthcare.com/siteplanning

GE Healthcare



Interventional Site Planning

CUSTOMER ACCEPTANCE



imagination at work

Customer Site Readiness Requirements

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE Healthcare Installation Project Manager prior to making changes.
- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE Healthcare Installation Project Manager can supply a reference list of rigging contractors.
- New construction requires the following; 1. Secure area for equipment, 2. Power for drills and other test equipment, 3. Capability for image analysis, 4. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- Contact a radiation physicist or consultant to specify radiation containment requirements.

GE Equipment Delivery Requirements

The items on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the IS site. Equipment will not be delivered if these requirements are not satisfied.

GE Healthcare Site Readiness Checklist Rev 19					
Before using this document ensure you have the latest Rev from MyWorkshop on DOC0422752					
GEHC Global Order #:		Customer:			
GEHC PMI:		FE / Installer:			
The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.					
Inspection Date:	Storage is ready?	PHI is ready?	FE is ready?	Comments	If "N", enter comments or action plan
1	MR Magnet Delivery Requirements: Ensure oxygen venting system is available for magnet connection as defined by GEHC Pre-Installation Manual (PIM) requirements; exhaust fan system is installed and operational, 480V power, and chilled water supply is available 24x7 that meets system cooling requirements. External connectivity is available for magnet monitoring and phone service is available during delivery. Surface mount vibromat installed where required. Magnet room final flooring is in place.				
2	MR RF Screen Room Requirements: RF Screen Room is tested with copy of Test Report, emailed to skdmin@ge.com , that it is compliant with GEHC specifications. Back seat and magnet anchors (if applicable) installed using 2 part anchor. For HDx systems, blower box mount bolts installed by RF vendor using 2 part anchors.				
3	State Regulatory Requirements: Facility registration number provided for states of <u>IL, KY, HI, RI, SC, TX, VA, WA</u> . X-ray shielding plan and state acknowledgment letter provided to installer for <u>AR, DC, NC, SC, CO</u> . Site Drawing Requirements: Final version of equipment network and antenna, installation drawings (including red lined versions) verified to match actual room and has been provided to installer.				
4	Surface Penetration Requirements: Customer/Contractor scheduled to provide required drilling or cutting into floors, ceilings, and walls, OR surface penetration permit available and posted in the room when GEHC will perform the work.				
5	Pre-Delivery Route Requirements: The equipment delivery route from the truck to the final destination within the facility has been reviewed with all key stakeholders to safely meet the minimum requirements for equipment access, and all communications/notifications have occurred. Arrangements have been made for special handling (elevator, rigging, floor protection, fork lift, rollback truck, etc).				
6	Finished Room Requirements: Rooms that will contain equipment, including storage areas not in scan suite, are dust free. Provisions taken to maintain a dust free room. Precautions must be taken to prevent dust from entering rooms containing equipment when construction is incomplete in adjacent areas. All walls primed (final coat not needed on Day 1). Shielding, doors, and windows are to be installed. No contractor work being done during or after the installation that will cause dust in the installation areas or potential equipment damage. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility. For Storage: Room must meet PIM requirements for storage.				
7	Electrical Requirements: Lockable (LOTO) Main Disconnect Panel (MDPI) is installed per GE guidelines and system power is available. Conduits, electrical cable ducting/dividers/cable trays, and access flooring is installed in proper location and height. Surface floor duct and load-side wires can be installed at time of system installation. Validate outlet location and requirements meet specifications for device/equipment.				
8	HVAC Requirements: The HVAC/Chilled Water systems designed to maintain the environment per spec/PIM is at running state and appears to provide the desired environmental conditions including location of vents, temperature and humidity for system operation.				
9	Flooring Requirements: Floor is clean and prepared for final floor covering. Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications. Confirm customer anchoring plan aligns with designed floor thickness. Final flooring installed where required for network racks.				
10	Ceiling Requirements: Unistrut (or equivalent) location, levelness and spacing is measured (or vendor confirmed) and consistent with the requirement of the installation drawings. Ensure unistrut and rails are not used as mounting surfaces. Ceiling grid is installed. Permanent lighting is installed and operational. HVAC diffusers are installed and connected to ductwork. Ceiling tiles installed per PIM discretion.				
11	Staging Requirements: Space has been identified to support the active installation process only. This area meets PIM/project book requirements. Storage space has been identified, if needed. This secured space would be used to store equipment indefinitely. If offsite, transportation plan has been developed at customer expense. This space must meet PIM requirements.				
12	Network Connectivity: Hardware for network connectivity/network drop is in place prior to delivery with specified network firewall configuration where required. Site surveys for wireless mobile XR units have been completed.				
13	Medical Gases Requirements: Systems (hard piped or portable) in place to allow testing and calibration of equipment (anesthesia), including ventilation.				

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin
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SHEET TITLE: SITE READINESS
MODALITY TYPE: DISCOVERY IGS
THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE LATEST REVISED DRAWINGS AND TO THE USER'S LOCAL OR ACTUAL CONSTRUCTION PRACTICES. GE AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL O.R.
MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01
DATE:	22.Oct.15
DRAWN BY:	SLR
CHECKED BY:	TST

REVISION HISTORY:

SHEET
C1

PIM R1
RQ - 155701

GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR CON WAS ISSUED AT THE DATE OF THESE DRAWINGS

NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN
1	1		AV WORKSTATION	81 lbs	1201 btu	M1013AV C7619D		C
2	1		KR BUZZER (LOCATED ABOVE CEILING)	2 lbs		B5150H	XRB	C
3	1		LEAD GLASS SHIELD ON VENDOR CEILING BOOM WITH LAMP	79 lbs				C
4	1		LARGE DISPLAY MONITOR ON VENDOR CEILING BOOM (MOUNT TWO GE MONITORS ON BACKSIDE OF LD MONITOR)	784 lbs	1706 btu		LDM WBM1	C
5	1		BOLUS CHASE HANDSWITCH	2 lbs			WBBC	S
6	1		INJECTOR ON PEDESTAL	90 lbs		B5050		S
7	1		DISCOVERY IGS MOBILE GANTRY	2094 lbs	3020 btu	B5050S B5050T B5050C B5050E B5050F B5050G B5050H B5050I B5050J B5050K B5050L B5050M B5050N B5050O B5050P B5050Q B5050R B5050S B5050T B5050U B5050V B5050W B5050X B5050Y B5050Z	B20 DB6	DIGS
8	1		CABLE MANAGEMENT SYSTEM	330 lbs		B-1GS14	B20 DB6	CMS
9	1		INNOVA IQ TABLE	1750 lbs	614 btu	B8162	B20 DB4	LUS
10	1		REFLECTOR TARGETS FOR GANTRY NAVIGATION SYSTEM					
11	1		SUGGESTED GANTRY PARKING POSITIONS (MAXIMUM OF TWO) BASED UPON ROOM CONSTRAINTS			B-1GS21		
12	1		UPS INTERFACE BOX			E45021B		UTB
13	1		ATLAS CABINET (C2)	659 lbs	1825 btu	B0558C		C2
14	1		ATLAS CABINET (C1F)	1115 lbs	3389 btu	B0558C		C1F
15	1		DETECTOR CHILLER	33 lbs	706 btu	B5049F		DC
16	1		COOLIX 4100 WATER CHILLER	264 lbs	18730 btu	B-1GS03 B-1GS04		CHLR
17	1		COOLIX 4100 AUTOTRANSFORMER	66 lbs	153 btu	B-1GS05		AT
18	1		UPS CABINET	1170 lbs	4061 btu	E45025C		UPS
19	1		TABLESIDE CART			B-1GS06		
20	1		LARGE DISPLAY MONITOR CABINET	253 lbs	3412 btu	B2014		LDC
21	3		KVA UPS CABINET (LARGE DISPLAY SUBSYSTEM OPTION)	99 lbs	546 btu	B2016		UPS3
22	2		19 IN. MONITOR ON WALL SUPPORT	26 lbs	204 btu	C7619W		WBM2
23	1		CONTROL ROOM MONITOR WITH DL KEYPAD	22 lbs	204 btu	C7412H C7619D		S
24	1		OPERATORS CONSOLE	22 lbs	546 btu	B5050C C7502 C7619D		WBC1

THE FOLLOWING ITEMS, WHICH HAVE BEEN ORDERED FROM GE HEALTHCARE, ARE TO BE INSTALLED BY THE CUSTOMER OR HIS CONTRACTOR.

69	1		DISCOVERY MAIN DISCONNECT, REFERENCE JUNCTION POINT, PDB, ON SHEET E1 FOR DETAILED DESCRIPTION.	326 lbs	1532 btu	E4502M		PDB
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EQUIPMENT LAYOUT RECOMMENDED CEILING HEIGHT = 10'-0"

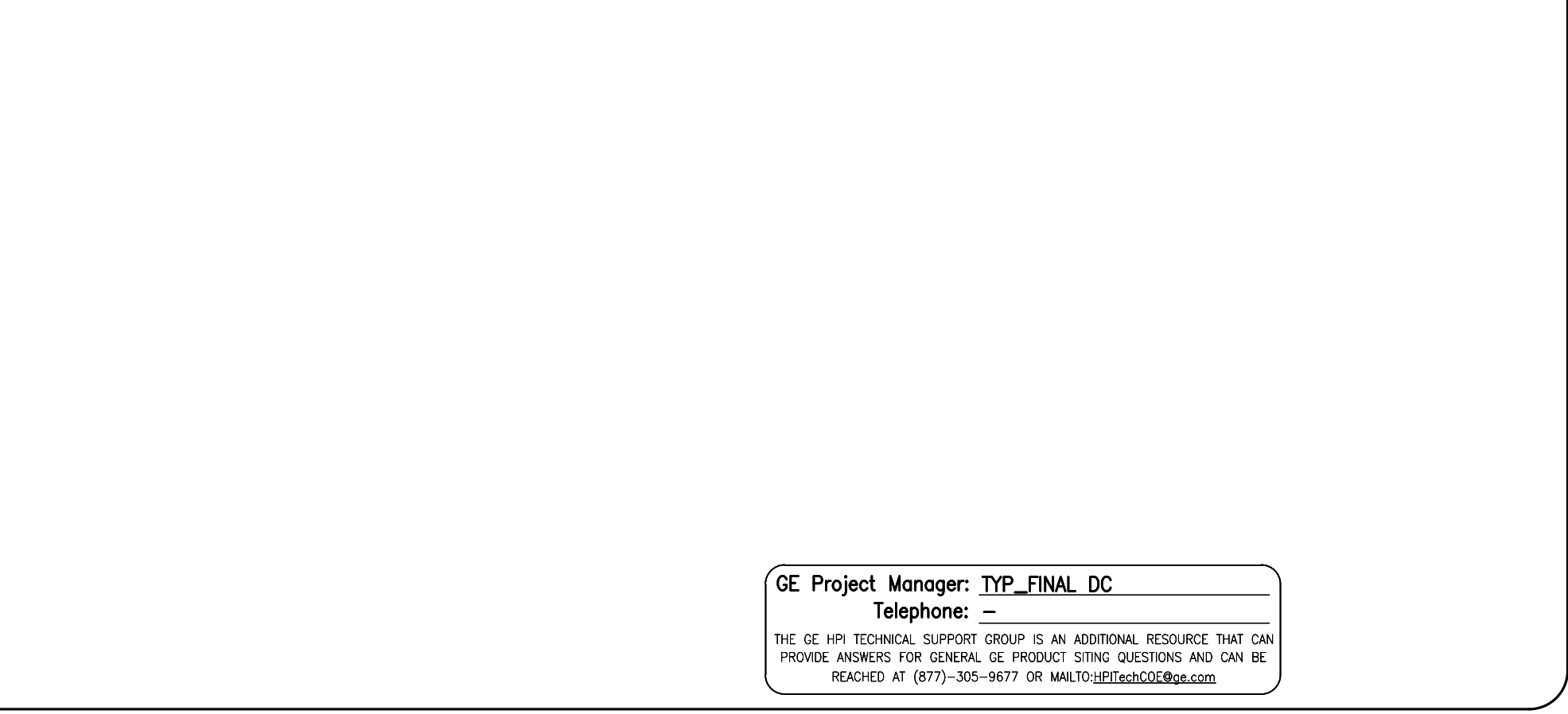
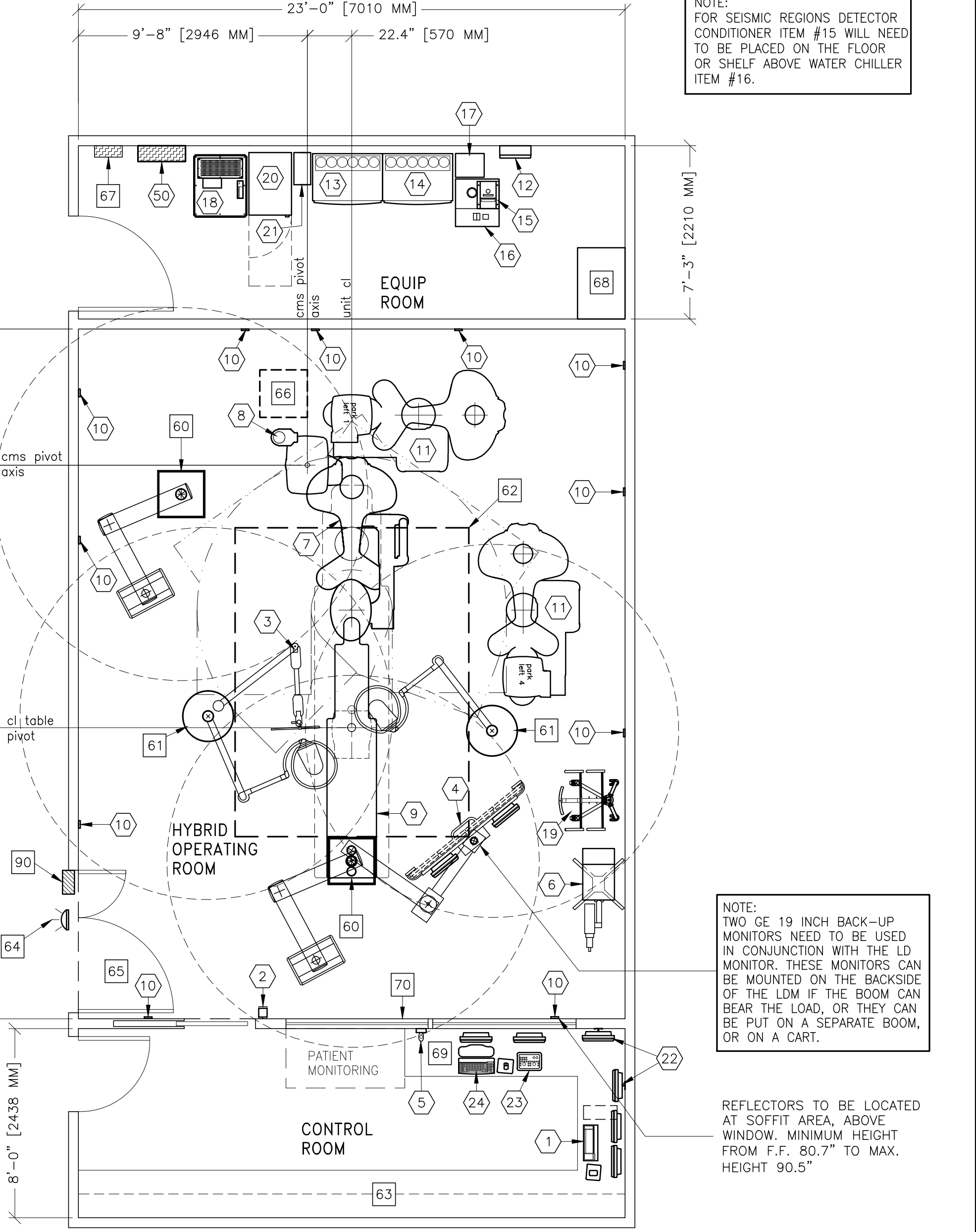
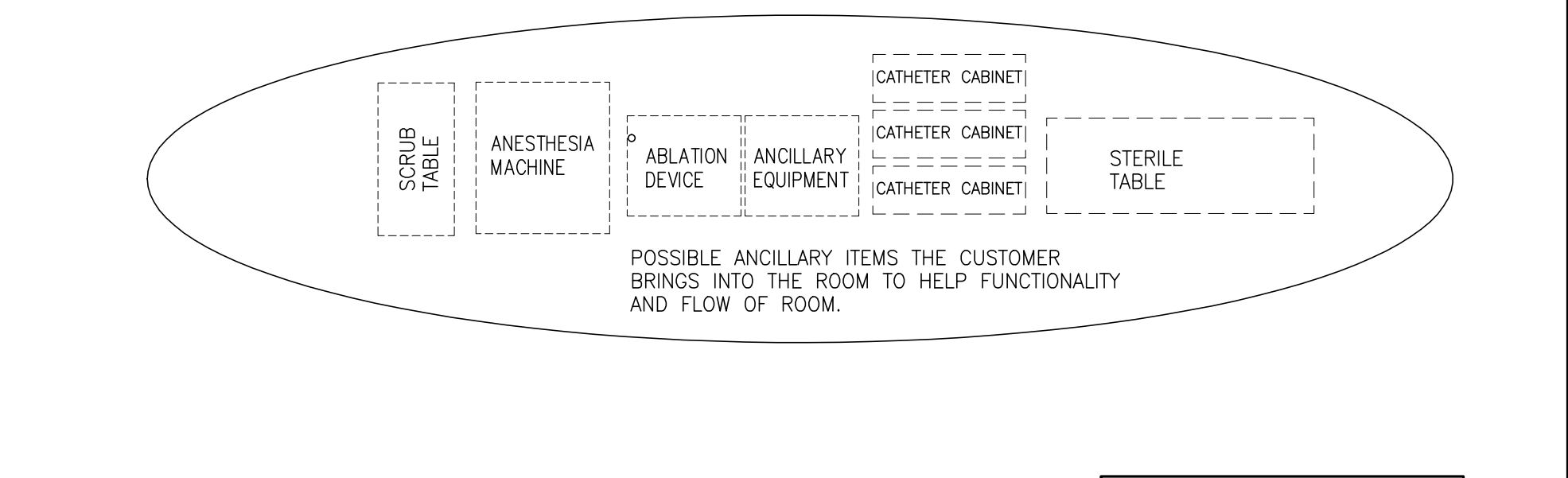
SCALE: 1/4" = 1'-0" This equipment layout indicates the placement and interconnection of the indicated equipment components. There may be federal, state, and/or local requirements that could impact the placement of these components. It remains the Customer's responsibility for ensuring the site and final equipment placement complies with all applicable federal, state, and/or local requirements.

GANTRY MOTION OPTIONS - OR (FULL) CAT NO. S18621TE
AVAILABILITY DEPENDING ON THE OPTION PURCHASED.....THE FOLLOWING (✓) INDICATES PARK, BACKOUT, ARM IMAGING AND HORSESHOE POSITIONS AVAILABLE FOR THIS LAYOUT SHOWN IN DRAWING.

NOTE: NOT ALL PARK & BACKOUT POSITIONS ARE REQUIRED. 0-2 PARK POSITIONS CAN BE CONFIGURED ON THE MACHINE PER AVAILABLE SPACE, AND AS MANY BACK-OUT POSITIONS THE AVAILABLE SPACE ALLOWS. (20" [508MM] CLEARANCE REQUIRED BETWEEN GANTRY AND OBSTRUCTION SUCH AS WALLS, COLUMNS, CASEWORK ECT. FOR SAFETY CONCERNS).

PARK POSITION	BACKOUT POSITION	MIN.	MAX.	ARM IMAGING POSITIONS		HORSESHOE POSITIONS	
				LEFT PANNING +35°	RIGHT PANNING +35°	IN	OUT
PARK RIGHT 1	HEAD LONG	✓		✓	✓	✓	✓
PARK RIGHT 2	HEAD RIGHT	✓		✓	✓	✓	✓
PARK RIGHT 3	HEAD LEFT	✓		✓	✓	✓	✓
PARK RIGHT 4	RIGHT FEET	✓		✓	✓	✓	✓
PARK HEAD 1	RIGHT LATERAL	✓		✓	✓	✓	✓
PARK LEFT 1	RIGHT SWIVEL	✓		✓	✓	✓	✓
PARK LEFT 2	LEFT LATERAL	✓		✓	✓	✓	✓
PARK LEFT 3	LEFT FEET	✓		✓	✓	✓	✓
PARK LEFT 4	LEFT SWIVEL	✓		✓	✓	✓	✓
	RIGHT INTER	✓		✓	✓	✓	✓
	LEFT INTER	✓		✓	✓	✓	✓

ALL PARK POSITIONS ARE AVAILABLE FOR THIS TYPICAL SITE BUT ONLY 2 ARE SHOWN IN THIS DRAWING PACKAGE.



ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	VENDOR EQUIPMENT BOOM
61	VENDOR BOOM WITH LAMP
62	LAMINAR AIR-FLOW AREA IN CEILING
63	COUNTER TOP WITH WALL CABINETS
64	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABWW-DF-XIU
65	MIN. DOOR OPENING FOR GANTRY DELIVERY: 35" x 81" (1410MM x 2060MM) CONTINGENT UPON A 96" (2438MM) CORRIDOR. SEE DETAIL B-1GS14
66	CEILING SERVICE ACCESS PANEL
67	CIRCUIT BREAKER OR EQUIVALENT WITH LOTO CAPABILITY. MUST BE INSTALLED IN THE MAINS LINE TO THE PDB. THIS DEVICE MUST BE COMPATIBLE WITH THE POWER INPUT SPECIFICATIONS OF THE SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR PROCUREMENT, DELIVERY, INSTALLATION OF THIS BREAKER.
68	CUSTOMER SUPPLIED STORAGE CABINET
69	COUNTER TOP FOR EQUIPMENT - MINIMUM DEPTH 30 IN. OR ADDITIONAL SHELVING MAY BE REQUIRED TO PROVIDE DIMMENTED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
70	CONTROL WALL TO CEILING WITH LEAD GLASS VIEWING WINDOW.

THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.

- GENERAL SPECIFICATIONS**
- THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEHC SPECIALIST REGARDING ACCEPTABILITY OF OTHER CEILING HEIGHTS.
 - CHECK ALL DOOR OPENINGS AND HALLWAYS FROM DELIVERY LOCATION TO WHERE EQUIPMENT IS TO BE INSTALLED TO ENSURE THE ROUTE PHYSICALLY AND STRUCTURALLY WILL ACCOMMODATE THE EQUIPMENT AS SHIPPED.
 - RADIATION PROTECTION REQUIREMENTS ARE NOT INDICATED ON THIS PLAN. WHERE NEEDED PER NATIONAL OR LOCAL CODE THEY SHALL BE SPECIFIED BY A QUALIFIED RADIOLOGICAL PHYSICIST.
 - THE DEVELOPMENT OF THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, MECHANICAL AND ELECTRICAL SUGGESTIONS IS PREDICATED UPON THE BEST INFORMATION OBTAINABLE FROM THE SITE, COUPLED WITH THE CUSTOMER'S KNOWN DESIRES. ARCHITECTURAL OR ELECTRICAL CHANGES INCLUDING RELOCATION OF EQUIPMENT ILLUSTRATED ON THIS DRAWING IS ALLOWED ONLY WITH NOTIFICATION, IN WRITING, AND REVIEW BY GEHC SERVICE DEPARTMENT. EQUIPMENT OPERATION, SERVICEABILITY, AND RESTRICTING CABLE LENGTHS, ETC. MAKE THIS ESSENTIAL FOR A PROPER IS. GEHC RESERVES THE RIGHT TO MAKE ON THE JOB CHANGES BECAUSE OF CUSTOMER REQUIREMENTS AND/OR OBSTACLES IN CONSTRUCTION, ETC..
 - ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.
 - DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.

- SITE ENVIRONMENT SPECIFICATIONS**
- TECHNICAL ROOM AMBIENT OPERATING TEMPERATURE: 55 TO 77 DEGREES (F) [13 TO 25 DEGREES (C)], WITH 30% - 75% HUMIDITY. THE TARGET TEMPERATURE (BEST RECOMMENDED) IS 64 DEGREES (F), [18 DEGREES (C)].
 - TECHNICAL ROOM WITH FLUORO UPS AMBIENT OPERATING TEMPERATURE: 68 TO 77 DEGREES (F), [20 TO 25 DEGREES (C)] WITH 30% - 75% HUMIDITY.
 - EXAM ROOM AMBIENT OPERATING TEMPERATURE: DESIGN FOR PATIENT/OPERATOR COMFORT, WITH 30% - 70% HUMIDITY.
 - CONTROL ROOM AMBIENT OPERATING TEMPERATURE: 68 TO 77 DEGREES (F), [20 TO 25 DEGREES (C)], WITH 30% - 75% HUMIDITY.
 - ALTITUDE: NOT TO EXCEED 9,842 FT. [3000 M] ABOVE SEA LEVEL.
 - DO NOT RESTRICT THE AIR INTAKE AT THE LOWER FRONT OR AIR EXHAUST AT THE TOP OF THE ELECTRONICS CABINETS.

- MAGNETIC INTERFERENCE SPECIFICATIONS**
- DIGITAL FLAT PANEL MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 1 GAUSS TO GUARANTEE SPECIFIED IMAGING PERFORMANCE.
 - X-RAY TUBES MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE SPECIFIED PERFORMANCE.
 - SYSTEM ELECTRONICS MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE DATA INTEGRITY.
 - OPERATORS CONSOLE EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

SHEET TITLE: **EQUIPMENT LAYOUT**
MODALITY TYPE: **DISCOVERY IGS**

THIS PLAN IS SUBMITTED TO ASSIST IN THE LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE ACTUAL CONSTRUCTION PURPOSES AND TO THE USER'S BEST INTERESTS. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: **INTERVENTIONAL O.R.**
MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01

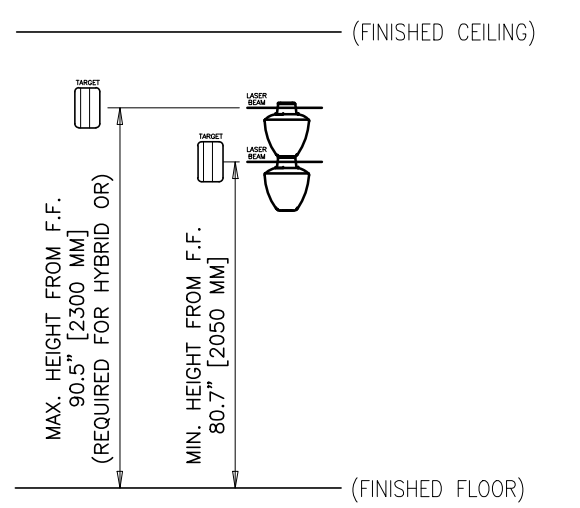
DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

REVISION HISTORY:

SHEET
A1

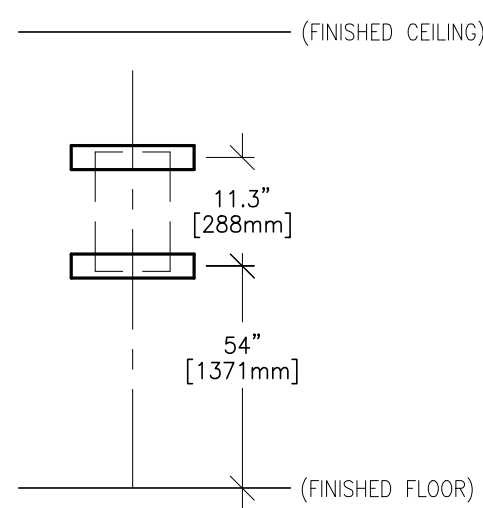
TYPICAL WALL SUPPORT ELEVATIONS

S132



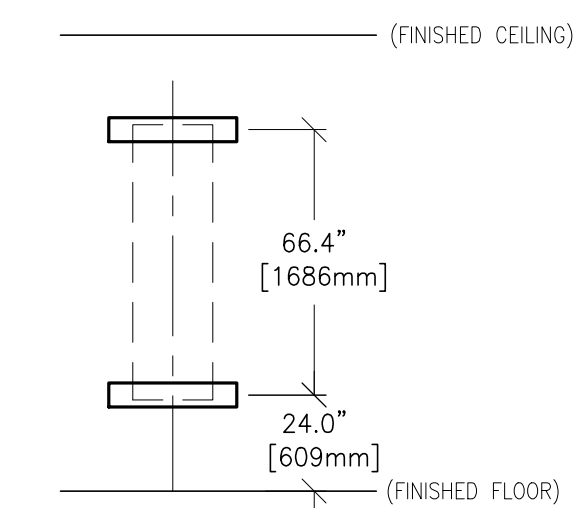
SUPPORT FOR GANTRY NAVIGATION REFLECTORS
(NOT TO SCALE)

S115



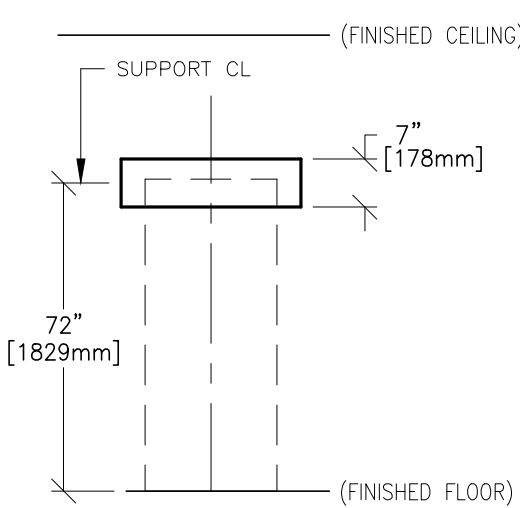
SUPPORT FOR UPS INTERFACE BOX
(NOT TO SCALE)

S107



SUPPORT FOR MAIN DISCONNECT CONTROL
(NOT TO SCALE)

S100

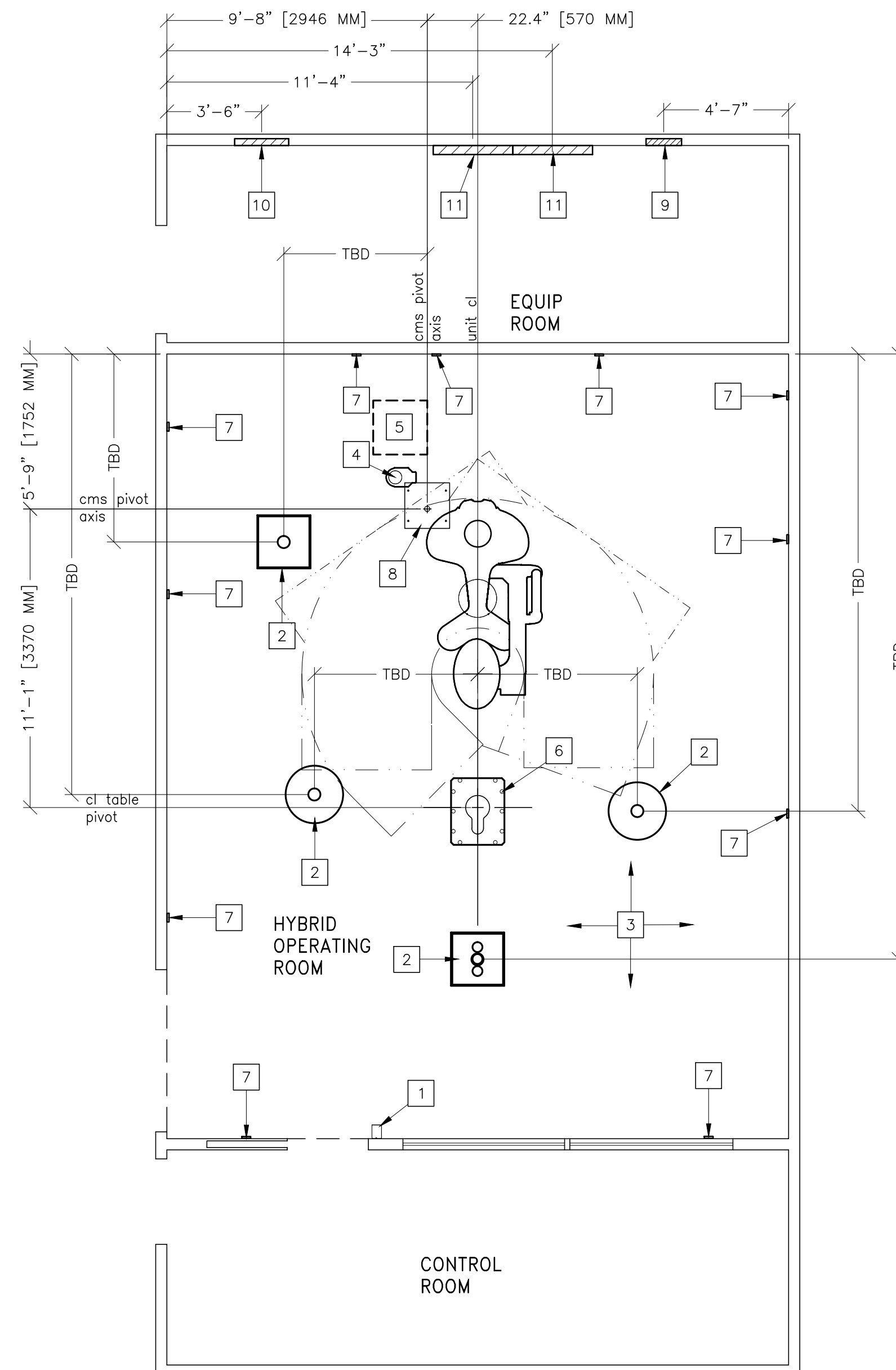
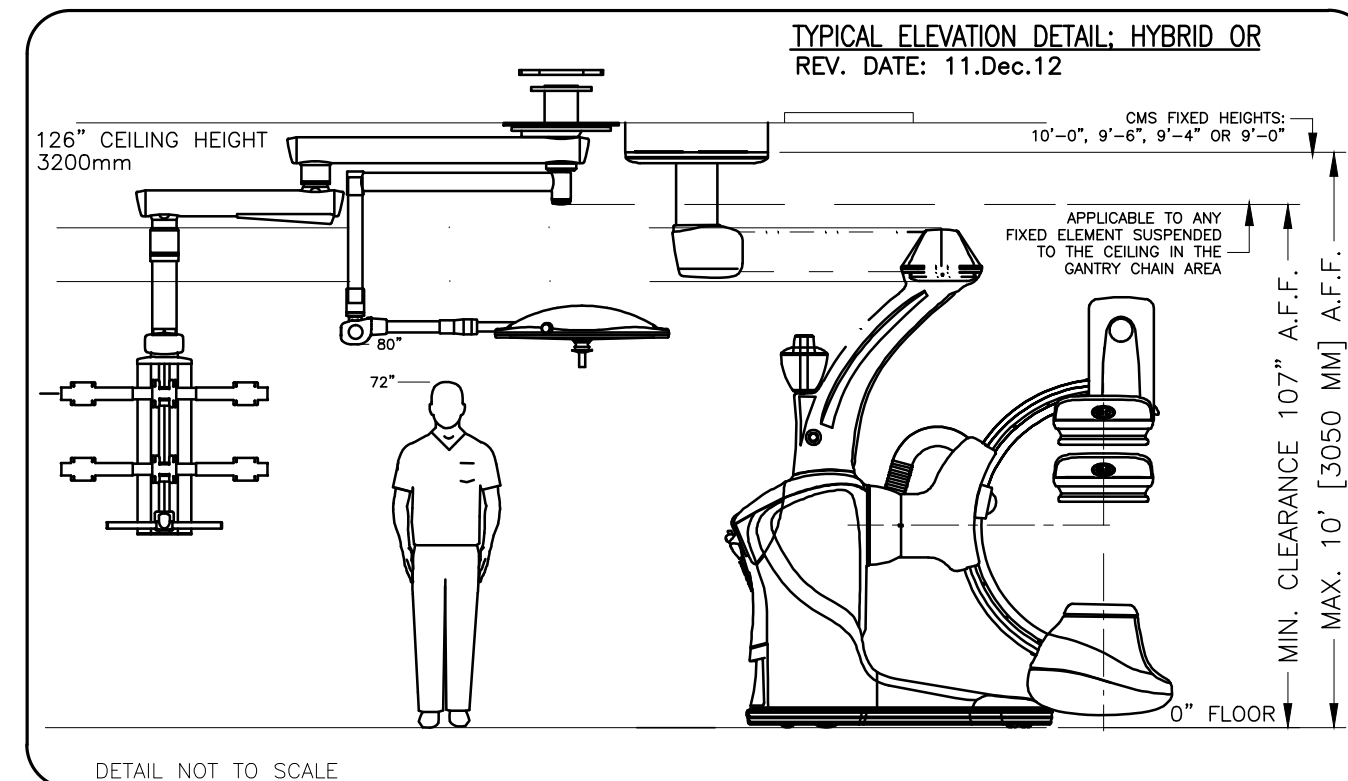


SUPPORT FOR ATLAS/SYSTEMS CABINET
(NOT TO SCALE)

SCALE: 1/4" = 1'-0"

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 10'-0"



GE Project Manager: TYP_FINAL DC
Telephone: —
THE GE HR TECHNICAL SUPPORT GROUP IS AN ADDITIONAL RESOURCE THAT CAN PROVIDE ANSWERS FOR GENERAL GE PRODUCT SPECIFIC QUESTIONS AND CAN BE REACHED AT (877)-305-9677 OR MAILTO:HRTECH@GE.com

STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	MOUNT XR BUZZER BRACKET ON WALL, ABOVE CEILING
2	STRUCTURAL SUPPORT IN CEILING FOR VENDOR BOOM
3	DISCOVERY IGS 730 IS NOT COMPATIBLE WITH TECHNICAL GRADED FLOORING. FLOORING FINISH MATERIAL IS MANDATORY PRIOR TO INSTALLATION OF THE SYSTEM. COMPATIBLE FLOOR SYSTEM FOR DISCOVERY IGS 730: *MONIPUR 7MM* MONOLITHIC FLOORING SUPPLIED BY APPROVED COMPANY. *VERIFY WITH YOUR REPRESENTATIVE FOR A LIST OF RPM CERTIFIED APPLICATORS OF THE FLOORING*. FLOORING CONSISTS OF 4 LAYERS: 1. PRIMER LAYER 2. BULK LAYER 3. CONDUCTIVE ADHERENCE LAYER 4. SURFACE LAYER OF PU-CEMENT THREE COMPONENT MIX NO EXPANSION JOINT SHALL BE PRESENT IN THE CONCRETE IN THE AREA WHERE THE FLOORING SYSTEM WILL BE APPLIED FLOOR CONDUCTIVITY SHALL BE IN AGREEMENT WITH LOCAL REGULATIONS. THE RESULTING FINISHED FLOOR SURFACE SHALL ALSO MEET THE FOLLOWING SPECIFICATIONS: 1. LEVELNESS 1MM/M 2. FLATNESS 3MM/M
4	CABLE MANAGEMENT SYSTEM (CMS): A SUPPORTING STRUCTURE IS THE RESPONSIBILITY OF CUSTOMER/CONTRACTOR. REFER TO DETAIL B20-085 AND B20-087 ON SHEET S2. THE SUPPORTING STRUCTURE (UNDER THE CUSTOMER/CONTRACTOR RESPONSIBILITY) IS REQUIRED FOR THE CABLE MANAGEMENT SYSTEM (CMS)
5	CEILING SERVICE ACCESS PANEL (2 RECOMMENDED, 1 REQUIRED) MAX. 12 IN. (300MM) FROM CMS MOUNTING PLATE
6	AREA OCCUPIED BY GE SUPPLIED TABLE BASEPLATE
7	(1) REFLECTORS FOR GANTRY NAVIGATION SYSTEM. TARGETS SHOULD BE VISIBLE TO THE LASER SOURCE OF THE AGV AND THEREFORE SHOULD NOT BE MOUNTED ON MOVABLE SURFACES (DOOR, ETC). NEITHER SHOULD THEY BE MOUNTED ON A SURFACE THAT COULD BE HIDDEN IN OPERATION BY DOOR OR MOVABLE COMPONENT. REFER TO ELEVATION DETAIL S132 FOR LASER TARGET HEIGHT RANGE FOR ADDITIONAL INFORMATION. SEE B20-084 ON SHEET S2 - TARGET HEIGHTS AND REFLECTOR SIZE. THE OPTIMIZATION OF THE TARGETS PLACEMENT WILL BE DONE DURING THE SYSTEM INSTALLATION, TO MAXIMIZE THEIR VISIBILITY VS. CEILING MOUNTED COMPONENTS (BOOMS, LAMPS, ETC). THE MAXIMUM/MINIMUM TARGET HEIGHTS ARE 2300 MM (90.5 IN) - 2050 MM (80.7 IN).
8	CUSTOMER SUPPLIED PLATE 20.5\"/>
9	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S115, FOR UPS INTERFACE BOX.
10	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S107, FOR MAIN DISCONNECT CONTROL.
11	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S100, FOR ATLAS CABINET.

STRUCTURAL NOTES

- ALL STEEL WORK AND PARTS NECESSARY TO SUPPORT CEILING MOUNTED TUBE HANGER OR OTHER EQUIPMENT ARE TO BE SUPPLIED BY THE CUSTOMER OR HIS CONTRACTORS. THE UNISTRUT OR EQUIVALENT STRUCTURE SHOULD RUN CONTINUOUS WITH NO FITTINGS EXTENDING BELOW FACE OF UNISTRUT CHANNEL, RUN WALL TO WALL, BE PARALLEL, SQUARE AND IN THE SAME HORIZONTAL PLANE FLUSH WITH FINISHED CEILING. THE SYSTEM IS TO BE CROSS BRACED VERTICALLY, HORIZONTALLY AND DIAGONALLY TO ALLOW NO MOVEMENT AND A MAXIMUM OF 1.58mm (1/16") DEFLECTION. CLOSURE STRIPS SHALL BE PROVIDED FOR AREAS OF UNISTRUT EXPOSED AND WITHOUT MOUNTING UNITS.
- METHODS OF SUPPORT FOR THE STEELWORK THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE CONCRETE OR MASONRY ANCHORS IN DIRECT TENSION.
- ALL UNITS THAT ARE WALL MOUNTED OR WALL SUPPORTED ARE TO BE PROVIDED WITH SUPPORTS WHERE NECESSARY. WALL SUPPORTS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER OR HIS CONTRACTORS. SEE PLAN AND DETAIL SHEETS FOR SUGGESTED LOCATIONS AND MOUNTING HOLE LOCATIONS.
- ALL CEILING MOUNTED FIXTURES, AIR VENTS, SPRINKLERS, ETC. TO BE FLUSH MOUNTED, OR SHALL NOT EXTEND MORE THAN 6.35mm (1/4") BELOW THE FINISHED CEILING.
- CONTROL WALLS WITH TUBE HANGER PASSAGE ABOVE SHALL BE CONSTRUCTED TO 2130mm (7'-0") HIGH.
- FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 3,17mm (1/8") IN 3050mm (10'-0")
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.
- CUSTOMERS CONTRACTOR MUST PROVIDE ALL PENETRATIONS IN POST TENSION FLOORS.
- CUSTOMERS CONTRACTOR MUST PROVIDE AND INSTALL ANY NON-STANDARD ANCHORING. DOCUMENTS FOR STANDARD ANCHORING METHODS ARE INCLUDED WITH GE EQUIPMENT DRAWINGS FOR GEOGRAPHIC AREAS THAT REQUIRE SUCH DOCUMENTATION.
- CUSTOMERS CONTRACTOR MUST PROVIDE AND INSTALL HARDWARE FOR "THROUGH THE FLOOR" ANCHORING AND/OR ANY BRACING UNDER ACCESS FLOORS. THIS CONTRACTOR MUST ALSO PROVIDE FLOOR DRILLING THAT CANNOT BE COMPLETED BECAUSE OF AN OBSTRUCTION ENCOUNTERED WHILE DRILLING BY THE GE INSTALLER SUCH AS REBAR ETC.
- IT IS THE CUSTOMER'S RESPONSIBILITY TO PERFORM ANY FLOOR OR WALL PENETRATIONS THAT MAY BE REQUIRED. THE CUSTOMER IS ALSO RESPONSIBLE FOR ENSURING THAT NO SUBSURFACE UTILITIES (E.G., ELECTRICAL OR ANY OTHER FORM OF WIRING, CONDUITS, PIPING, DUCT WORK OR STRUCTURAL SUPPORTS (I.E. POST TENSION CABLES OR REBAR)) WILL INTERFERE OR COME IN CONTACT WITH SUBSURFACE PENETRATION OPERATIONS (E.G. DRILLING AND INSTALLATION OF ANCHORS/SCREWS) PERFORMED DURING THE INSTALLATION PROCESS. TO ENSURE WORKER SAFETY, GE INSTALLERS WILL PERFORM SURFACE PENETRATION OPERATIONS ONLY AFTER THE CUSTOMER'S VALIDATION AND COMPLETION OF THE "GE SURFACE PENETRATION PERMIT"

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SHEET TITLE: STRUCTURAL LAYOUT
MODALITY TYPE: DISCOVERY IGS

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL APPLICABLE CODES AND REGULATIONS. THE USER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND ASSUMING ALL LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

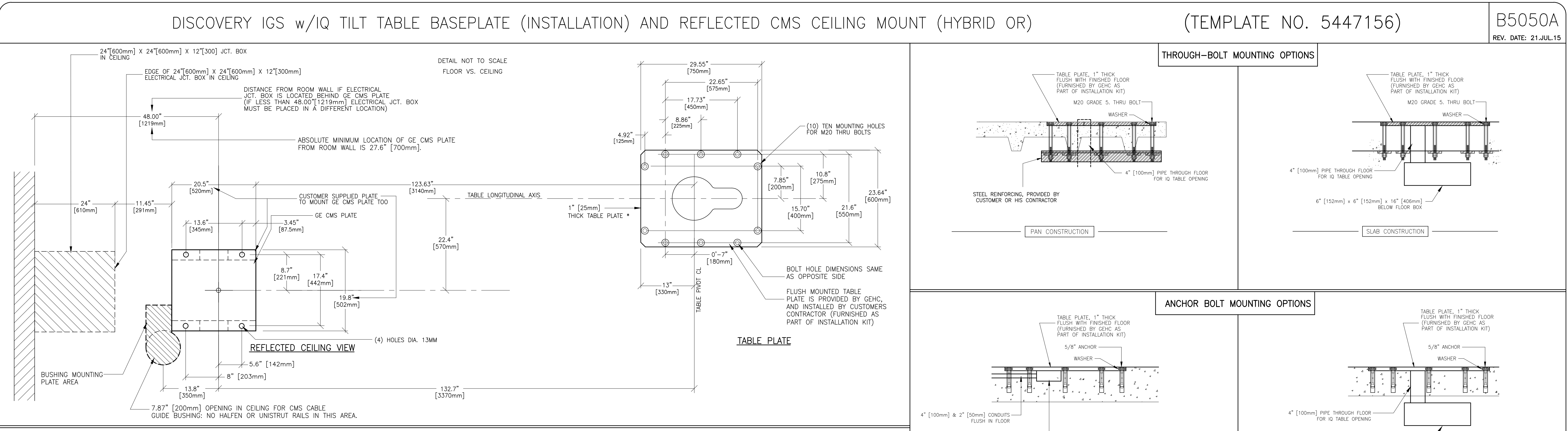
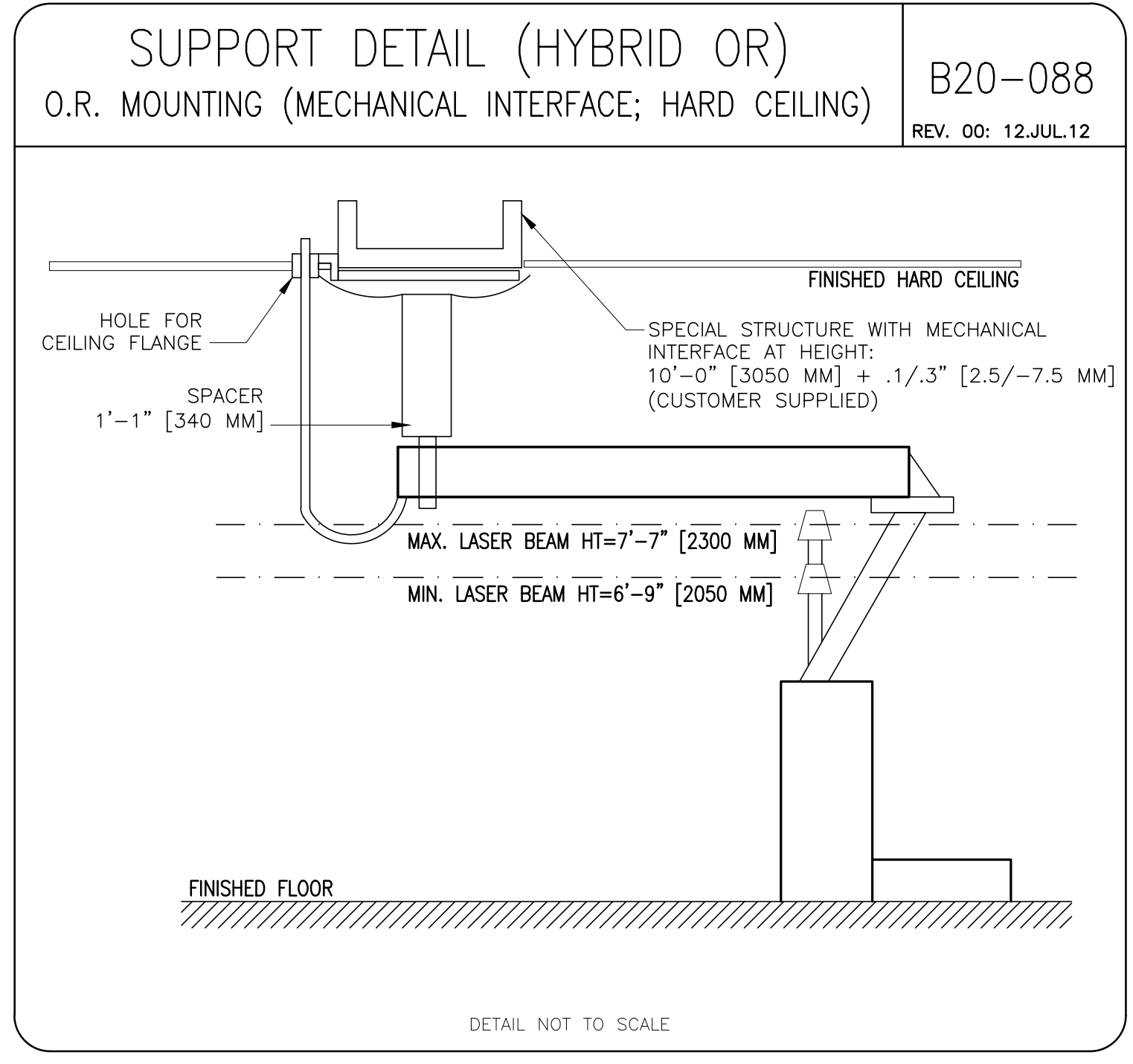
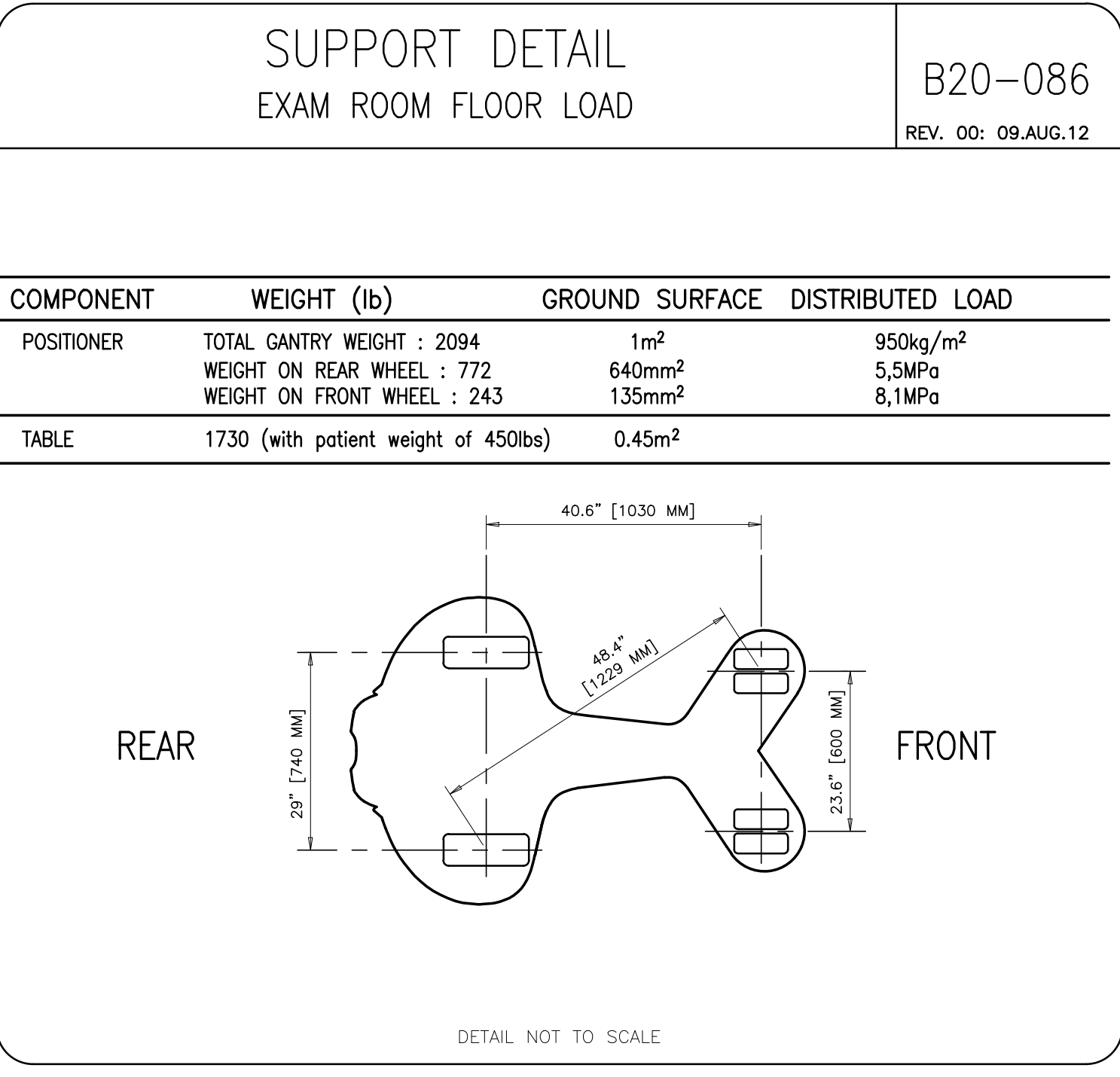
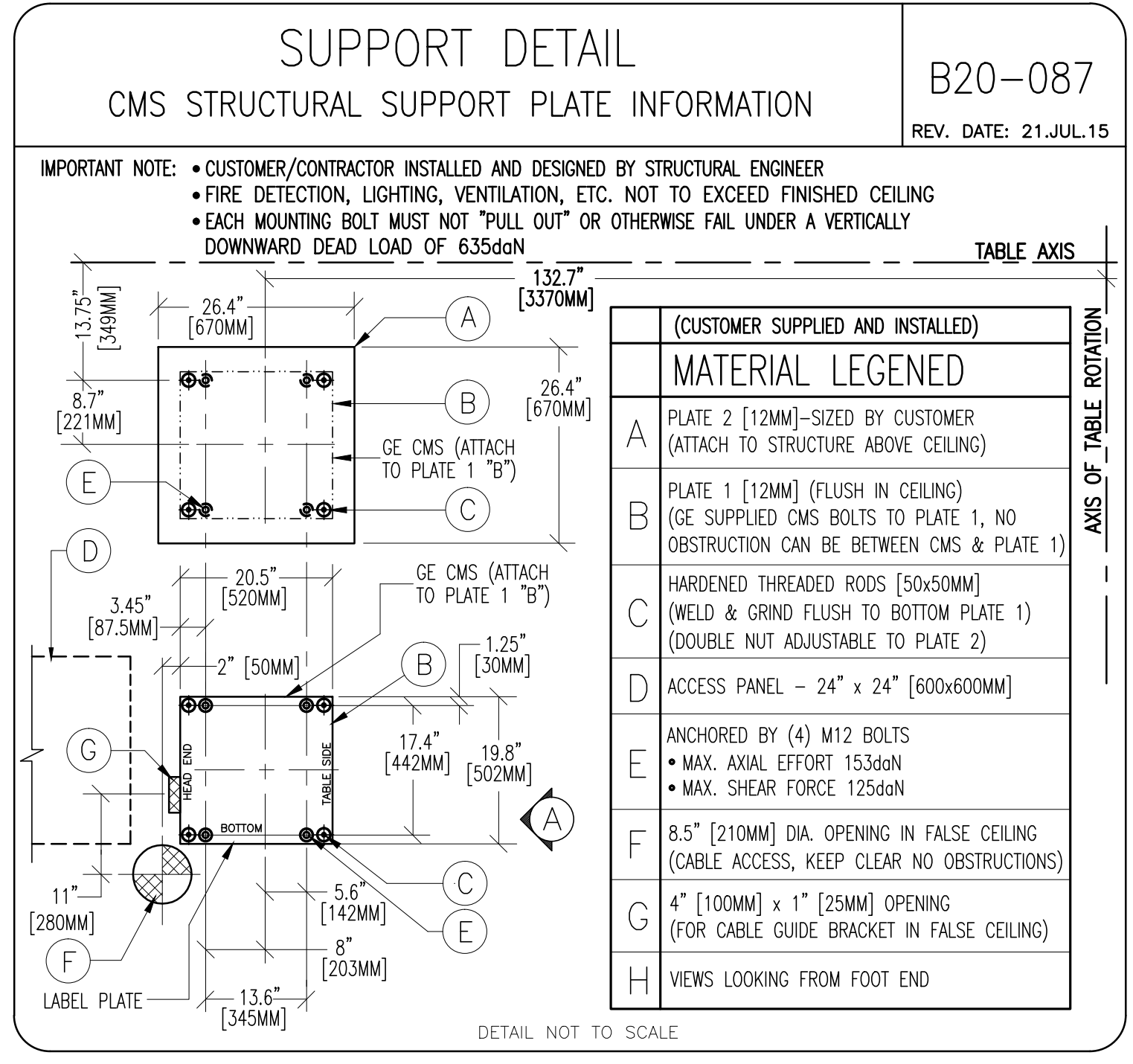
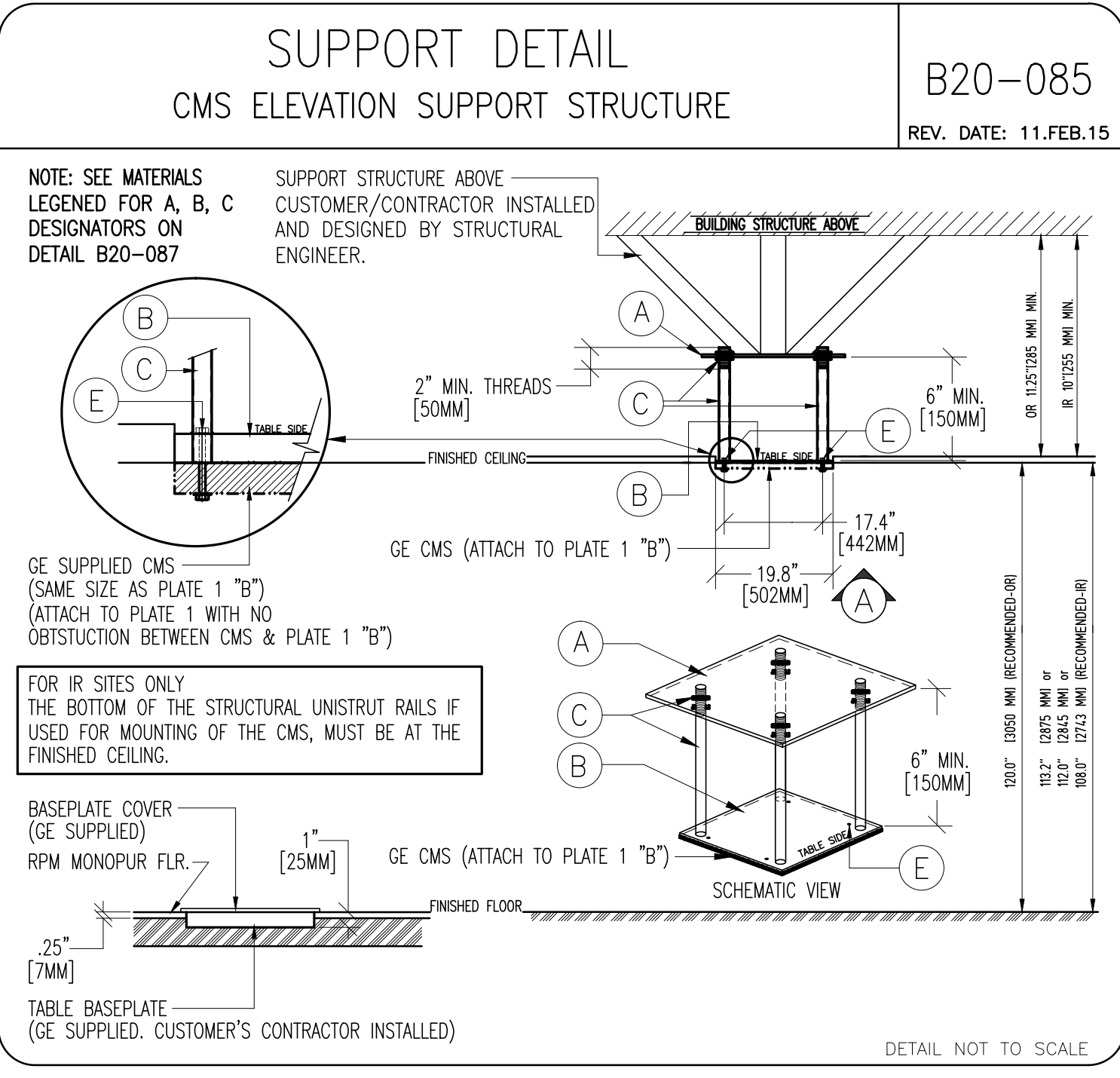
PROJECT TITLE:
INTERVENTIONAL O.R.
MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01

DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

REVISION HISTORY:

SHEET
S1



WARNING!! THE CMS FIXATION POINT IS IN A FIXED POSITION WITH RESPECT TO THE TABLE POSITION, AS SHOWN IN THE DRAWING ABOVE:

PRIOR TO DRILLING MOUNTING HOLES CONTACT LOCAL GE HEALTHCARE INSTALLATION PROJECT MANAGER OR LEAD FIELD ENGINEER TO VERIFY THAT THE PROPER FULL SIZE FLOOR MOUNTING TEMPLATE IS USED.

Customer/Contractor Alert: It is the responsibility of the Customer or their Contractor to drill all anchor/thru-bolting holes for anchoring the table to the floor. Contact your local GE Project Installation Manager for the latest Preinstallation details.

NOTE: THRU BOLTING IS HIGHLY PREFERRED FOR THE INSTALLATION OF THE TABLE.
HARDENED BOLTS AND 4" x 4" [102mm x 102mm] STEEL PLATES TO BE USED ARE SUPPLIED BY GE HEALTHCARE AS INDICATED ON THE ACTUAL DETAIL DRAWING. BE ADVISED, HOWEVER, THAT ADDITIONAL SUPPORT STRUCTURES: STEEL BEAMS, PLATES, CORE BORING OF MOUNTING HOLES, ETC. ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER OR THEIR CONTRACTOR.

NOTE: IF THRU BOLTING IS NOT POSSIBLE, FLOOR ANCHORS CAN BE USED IF APPROVED BY CUSTOMERS STRUCTURAL ENGINEER. FOR ON GRADE INSTALLATIONS, MOUNTING KIT CAT. NO. 2286398 BE ORDERED. ANCHORS INCLUDED IN KIT SHOULD BE APPROVED BY CUSTOMERS STRUCTURAL ENGINEER. NOTE: BASEPLATES MUST BE LEVEL WITHIN 1/32" [0.79mm]

NOTE: JOISTS MUST BE SPANNED WITH STEEL REINFORCING. SIZE AND THICKNESS OF STEEL DETERMINED BY THE ACTUAL PAN CONSTRUCTION ON SITE. STEEL PLATES, CHANNELS OR BEAMS MAY BE USED.

NOTE: DETERMINE THE POSITION OF THE "REBARS" IN THE CONCRETE FLOOR SO ANCHOR HOLES WILL NOT RUN INTO THEM.

TILT TABLE BOLT FORCES FOR WORST CASE CONDITIONS	
LOADS	
BOLT TENSION MAXIMUM TENSION = 1938 lbs. [880 Kg]/BOLT	BOLT SHEAR MAXIMUM SHEAR = 407 lbs. [185 Kg]/BOLT

GE Healthcare

Healthcare Project Implementation - Design Center

Milwaukee, Wisconsin

SHEET TITLE: STRUCTURAL DETAILS

MODALITY TYPE: DISCOVERY IGS

THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE ACTUAL CONSTRUCTION PURPOSES, TO THE BEST OF OUR KNOWLEDGE AND BELIEF. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: INTERVENTIONAL O.R.

MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01

DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

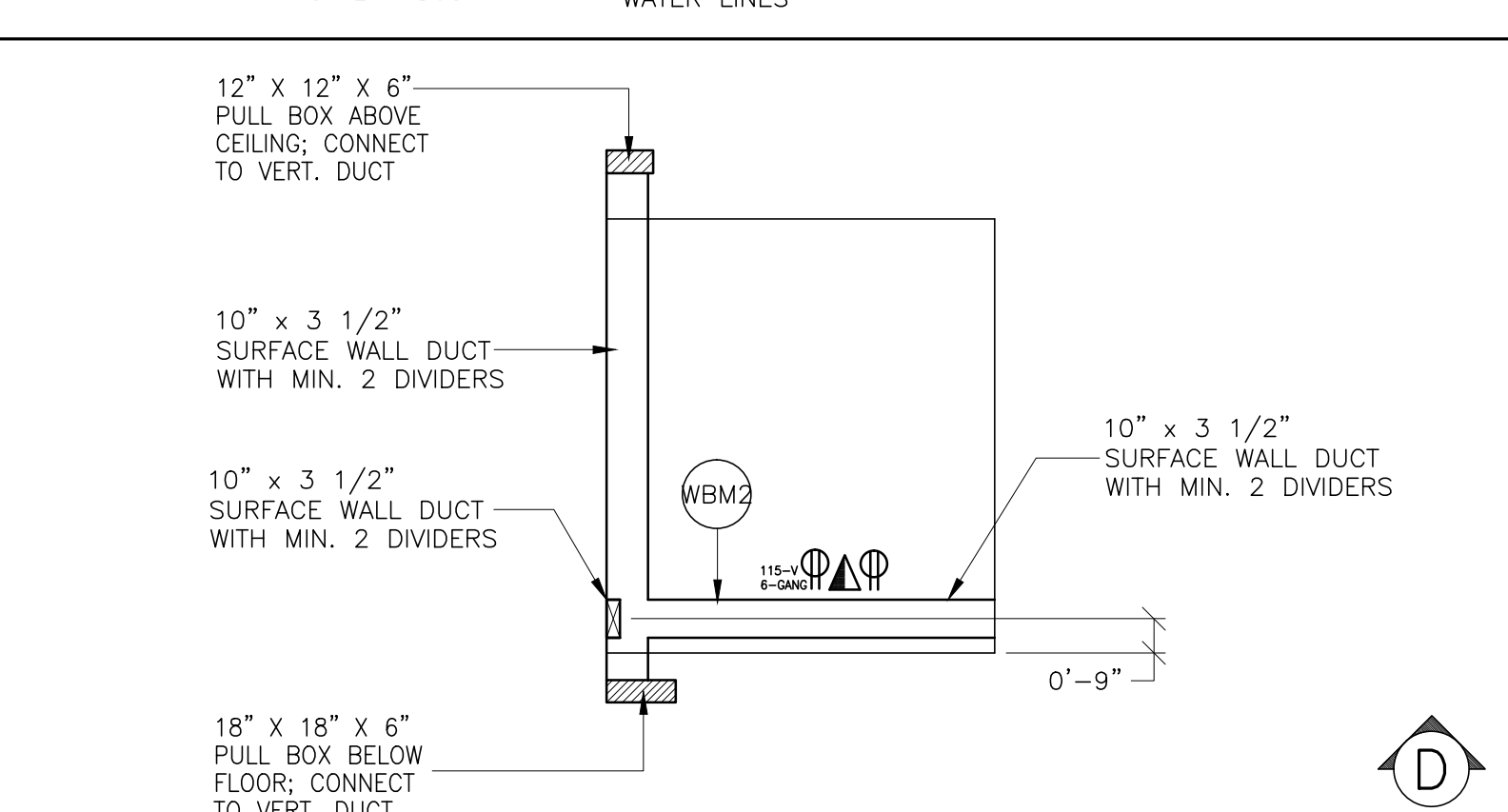
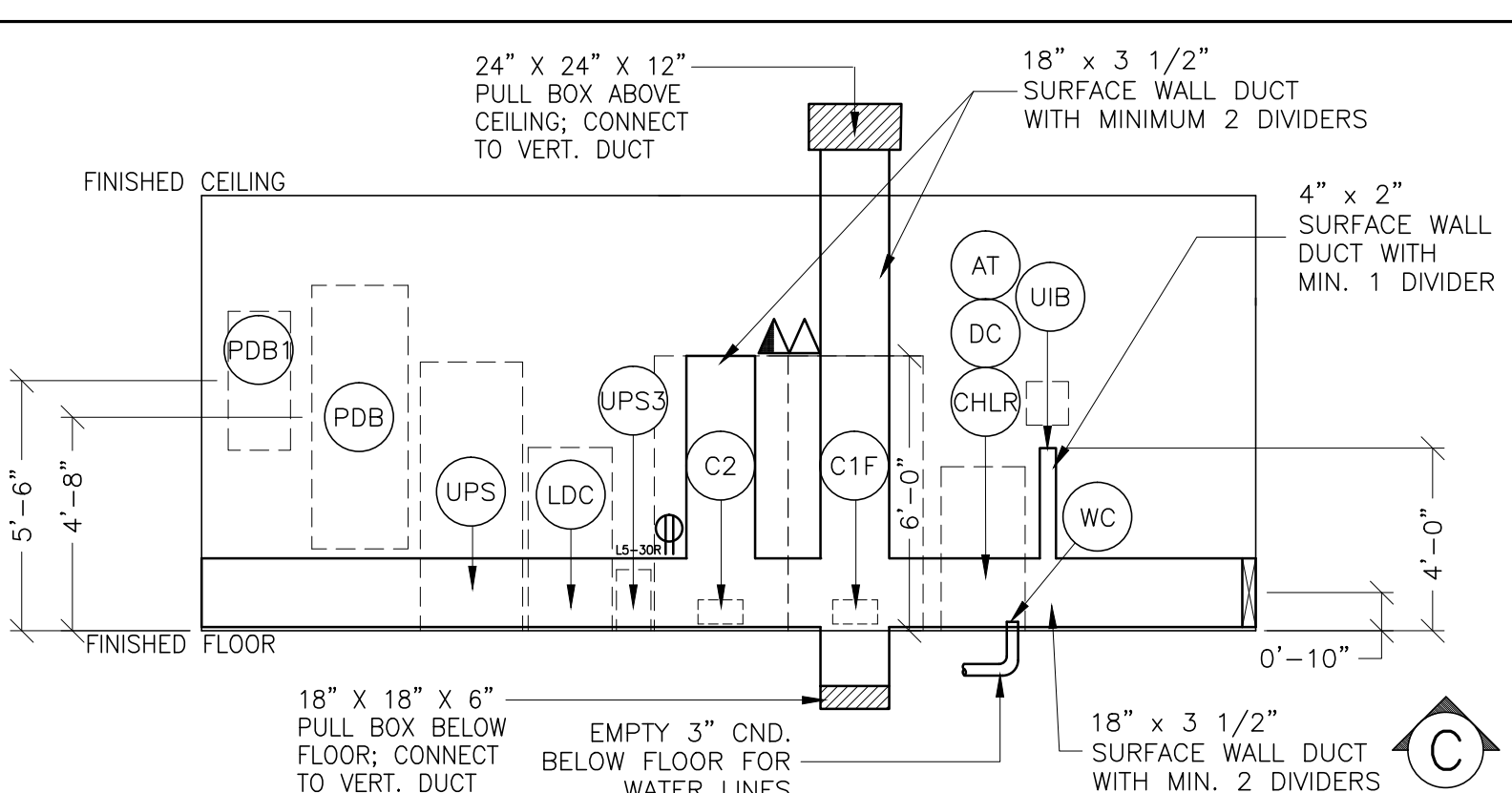
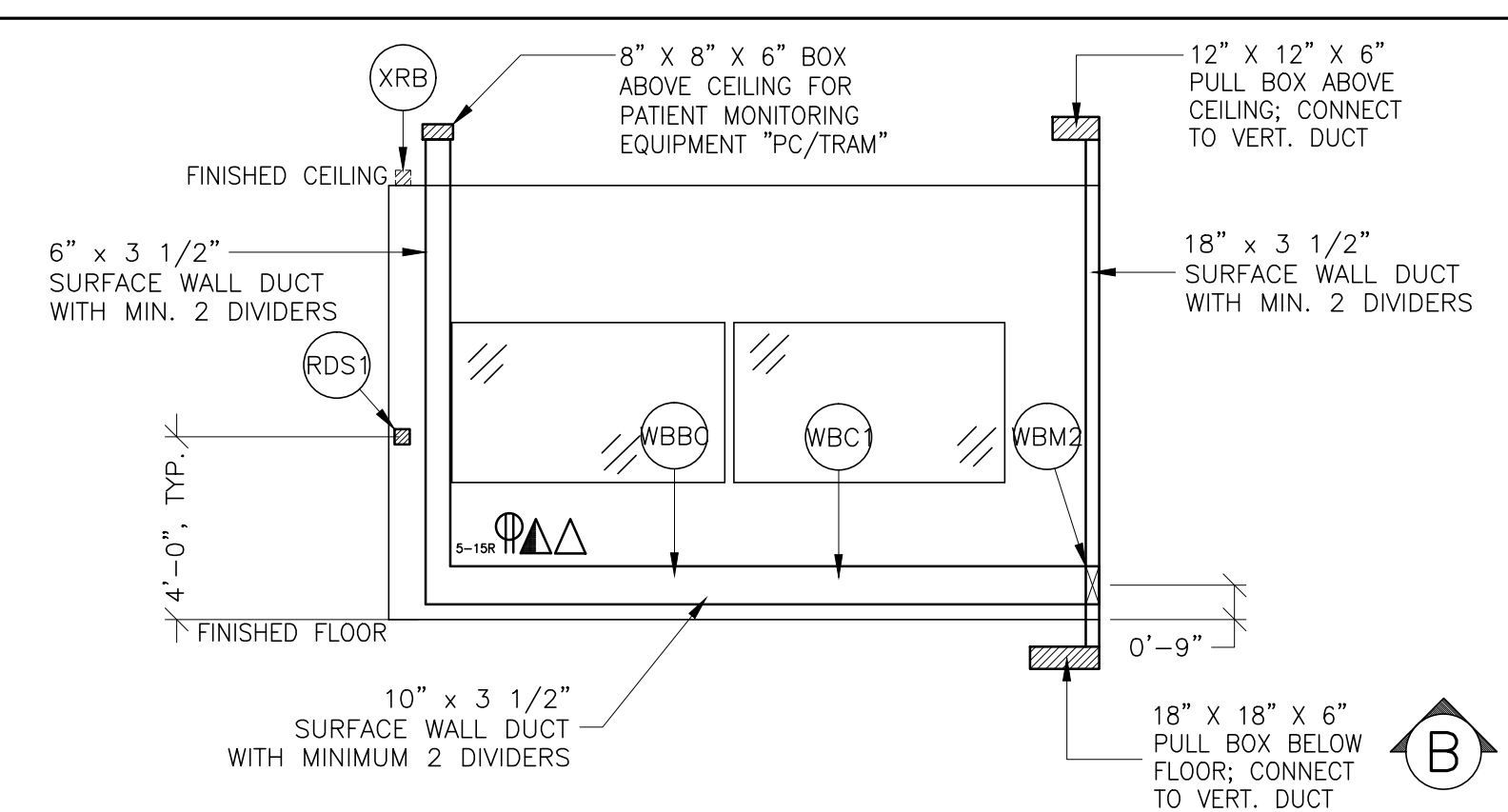
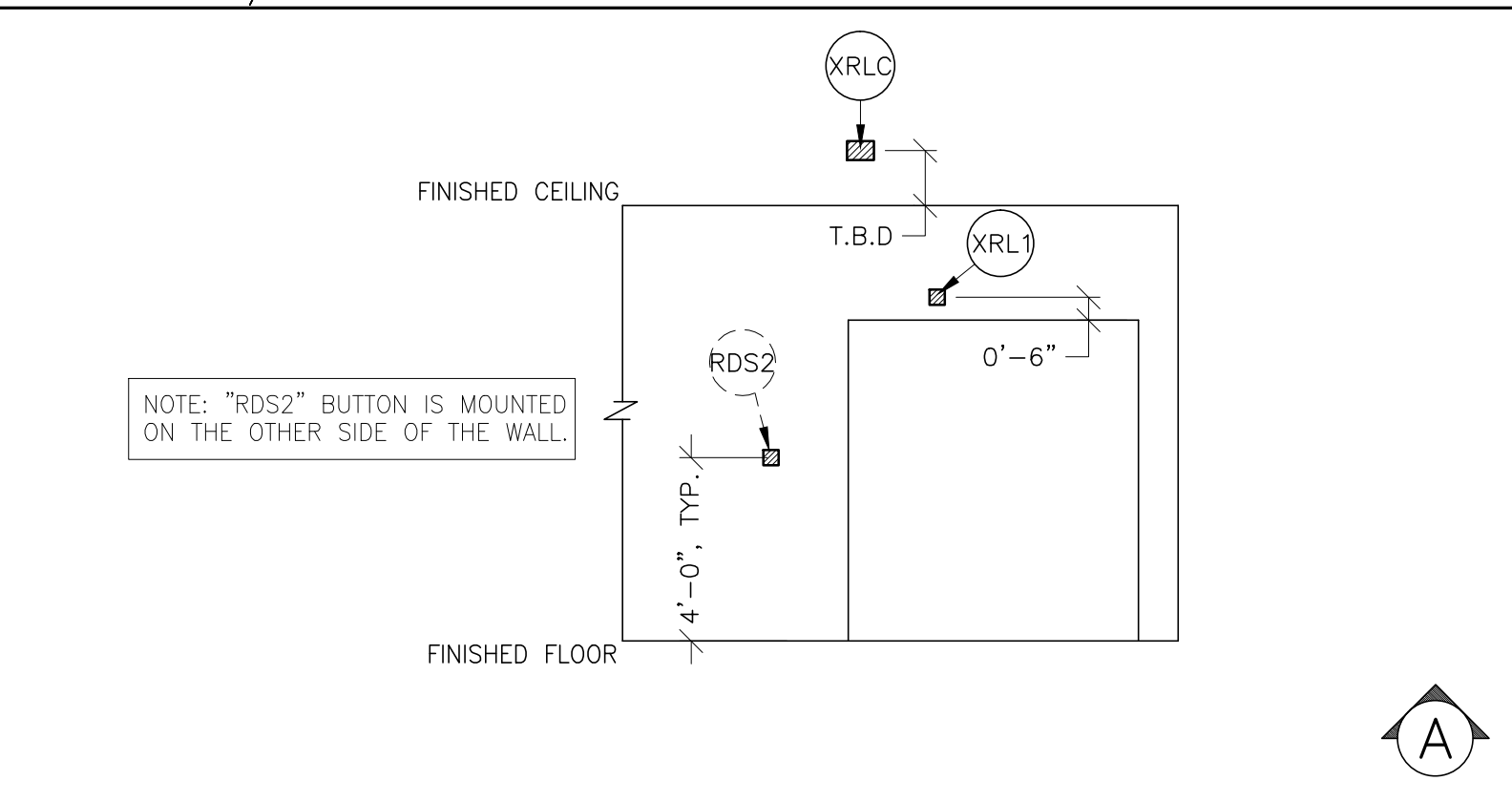
REVISION HISTORY:

SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 10'-0"

JUNCTION POINT DESCRIPTIONS



ELECTRICAL OUTLET LEGEND table listing symbols for Duplex Hospital Grade, Telephone, Network, Emergency, and NEMA outlets.

CONTACT YOUR LOCAL RADIO VASCULAR PROJECT MANAGER... FOR ANY MODIFICATIONS TO ROOM LAYOUT.

BEFORE PROCEEDING WITH INSTALLATION OF CEILING MOUNTED DEVICES... REFER TO STRUCTURAL SHEET S1...

NOTE: SUGGESTION THAT COLOR CODED PHASE CABLING BE USED EITHER BY COLORED WIRES OR COLORED TAPE.

A COMPLETE REVIEW OF ELECTRICAL OPTIONS MUST BE DISCUSSED WITH YOUR GE PROJECT MANAGER...

CONDUIT RUNS: DISCOVERY IGS 730/740

Table for Conduits Required for Base System (C1F, C2, CMS) with cable lengths and dates.

Table for Conduits Required from Point WBM1/LDM (WBM1, LDM, LDC) with cable lengths and dates.

Table for Conduits Required for Base System (LUS, WBC1) with cable lengths and dates.

Table for Conduits Required from Point XRLC (XRLC) with cable lengths and dates.

Table for Conduits Required from Point WBC* (WBC1, LUS) with cable lengths and dates.

Table for Conduits Required from Point XRB (XRB) with cable lengths and dates.

Table for Conduits Required from Point WC (WC) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point WC* (WC, CMS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

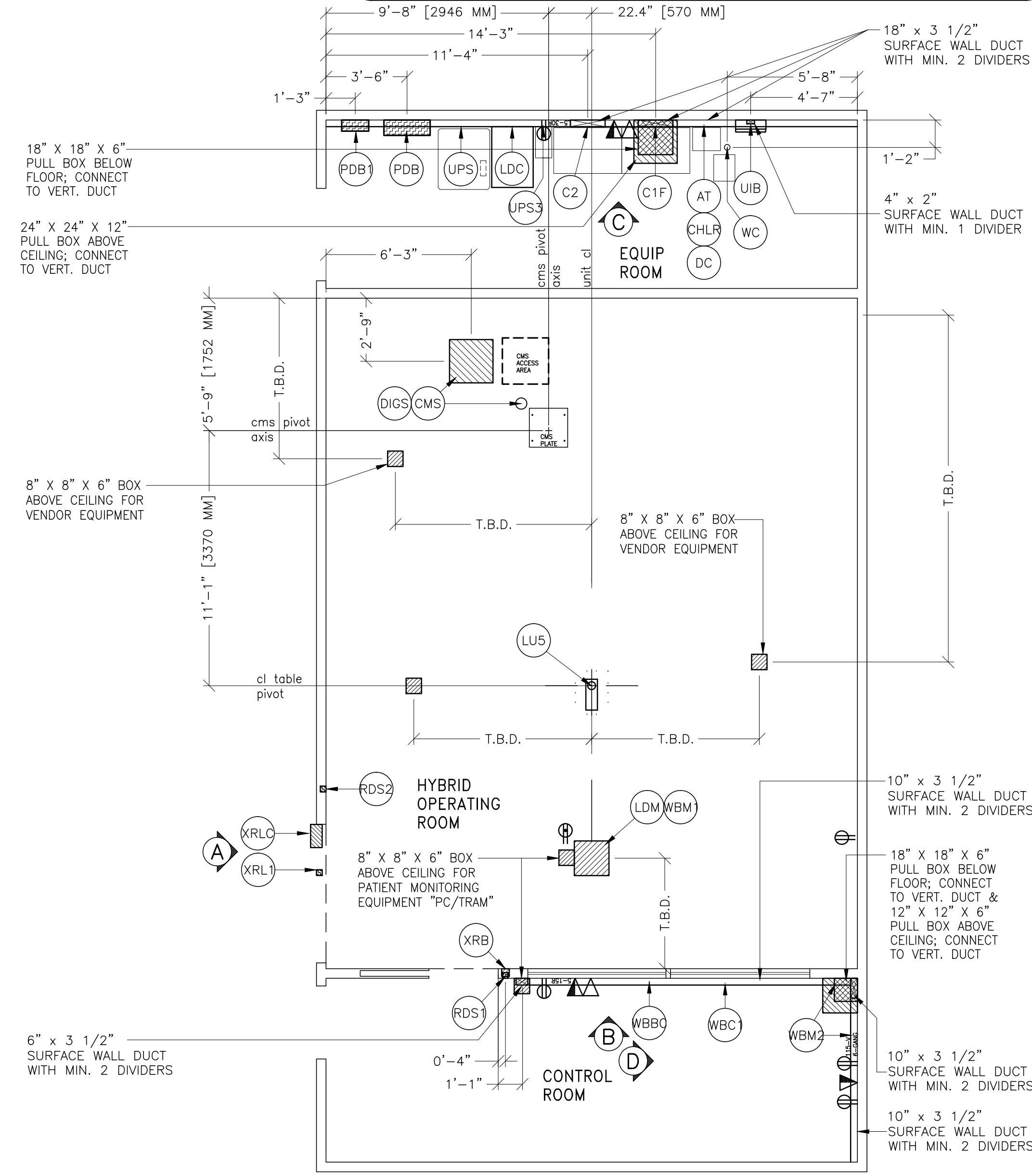
Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

Table for Conduits Required from Point PDB* (PDB, UPS) with cable lengths and dates.

FEEDER TABLE showing calculations for power supply voltage based on run length and load.

JUNCTION POINT NOTES

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, CABLE TRAY, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMERS ELECTRICAL CONTRACTOR.



JUNCTION POINT DESCRIPTIONS table with columns for Description, Qty., Hardware, and Detail No. Sht. E3.

CONTRACTOR SUPPLIED AND INSTALLED WIRING

Table for Contractor Supplied and Installed Wiring showing wire run, from-to, and quantity/wire size/color.

GE Healthcare logo and Project Implementation - Design Center Milwaukee, WI.

SHEET TITLE: ELECTRICAL LAYOUT MODALITY TYPE: DISCOVERY IGS

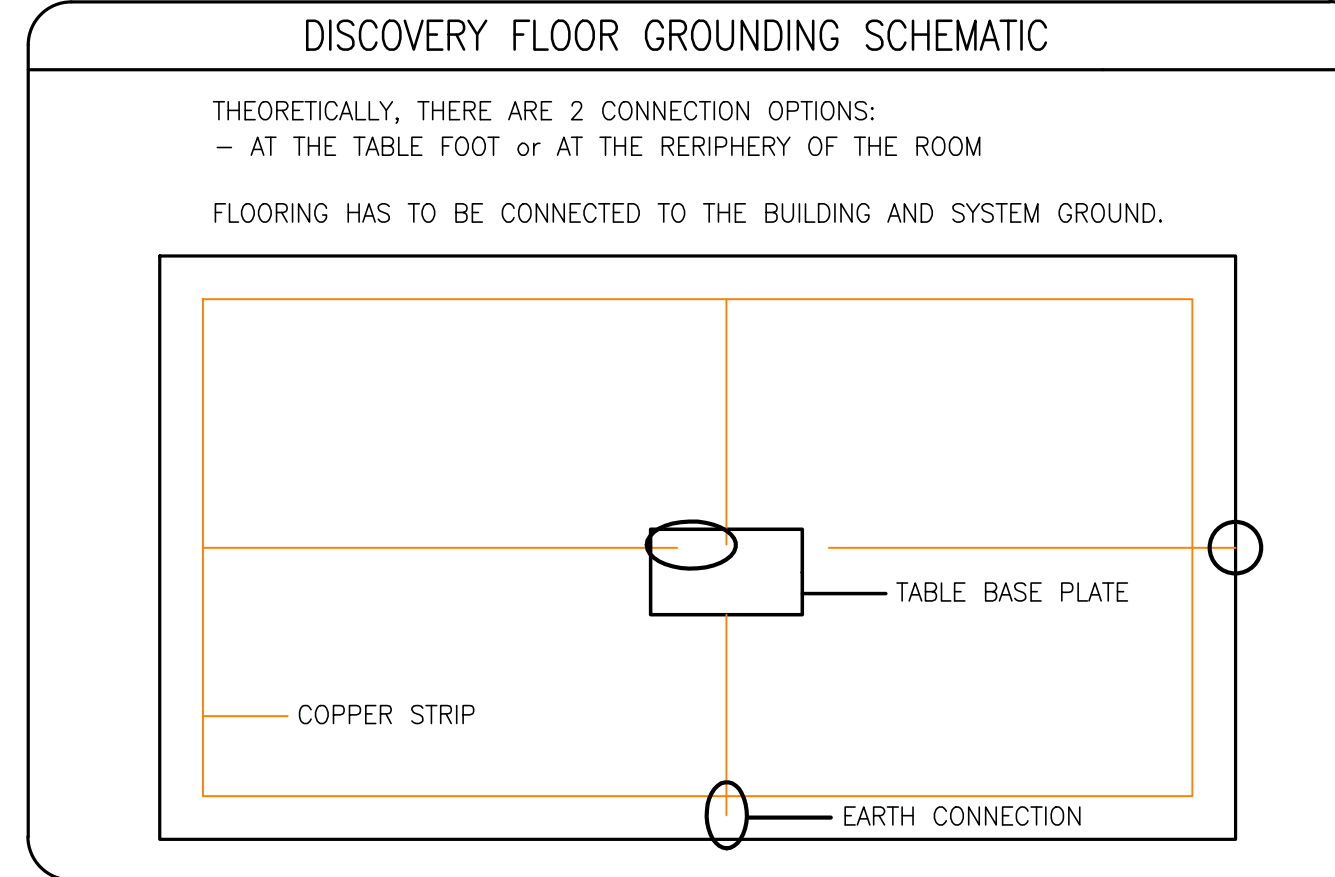
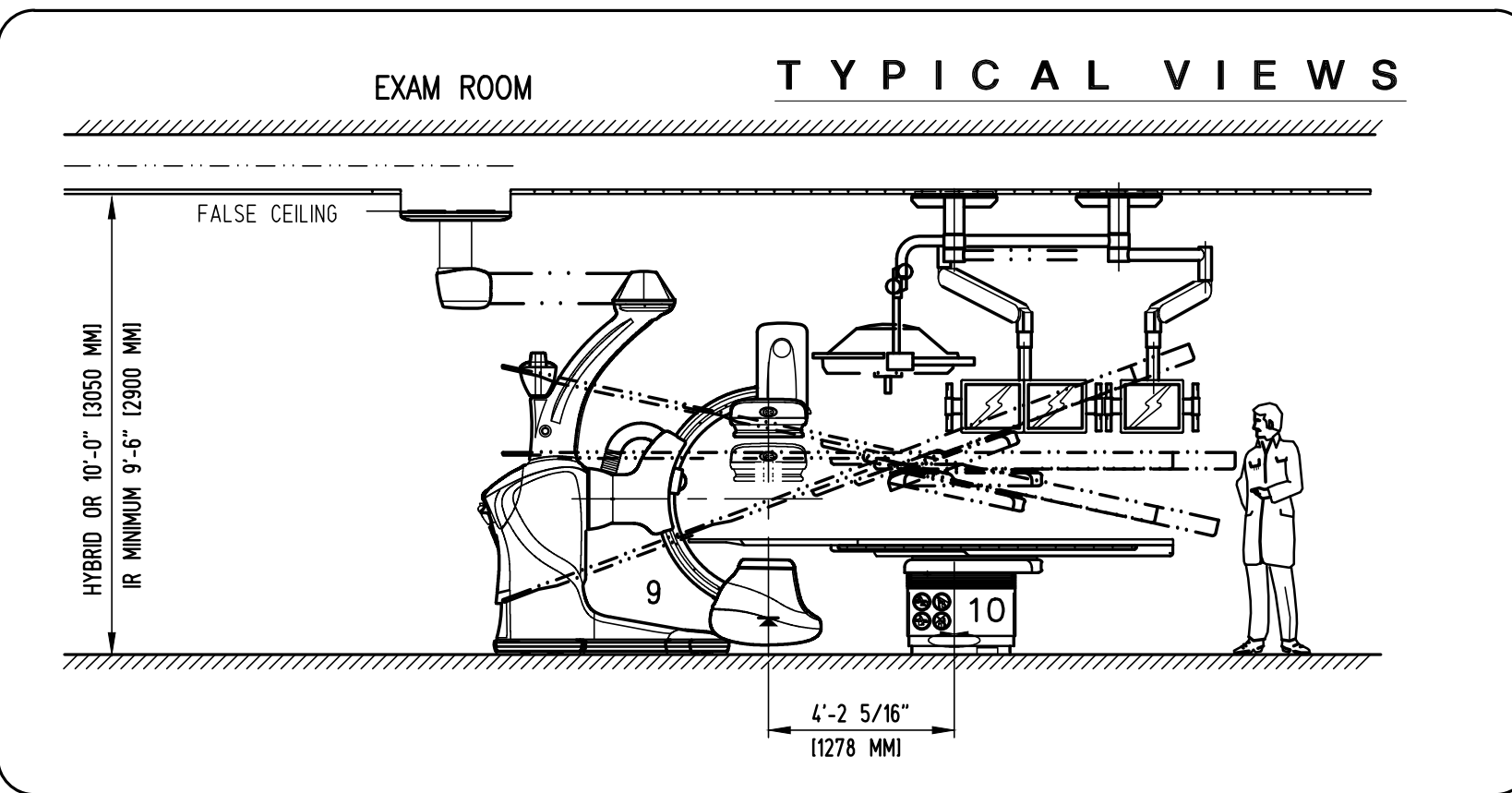
PROJECT TITLE: INTERVENTIONAL O.R. MILWAUKEE, WISCONSIN

PROJECT REVISION table with 4-88f and 01.

DATE: 22.Oct.15 DRAWN BY: SLR CHECKED BY: TST

REVISION HISTORY table and SHEET E1.

INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

DISCOVERY IGS SYSTEM
REV. DATE: 10.AUG.12

VOLTAGE: PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
RANGE OF LINE VOLTAGES:
NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, 50 OR 60 HZ

REQUIRED POWER SUPPLY: WYE DISTRIBUTION

MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)	
		MAX. MOMENTARY	CONTINUOUS
380	342-418	260	30
400	360-440	247	29
415	374-456	238	28
480	432-528	206	24

ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE

LOW LINE CONDITIONS MAY INHIBIT SOME HIGH kVp TECHNIQUES. THE GENERATOR AUTOMATICALLY ESTABLISHES THESE INHIBITS BASED ON ACTUAL LINE CONDITIONS AND SYSTEM REGULATION.

PHASE-BALANCE: PHASE-TO-PHASE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE EXCURSIONS ARE 2.5 PERCENT OF RATED LINE VOLTAGE AT A MAXIMUM DURATION OF 5 CYCLES AND FREQUENCY OF 10 TIMES PER HOUR.

DEMAND: CONTINUOUS POWER DEMAND = 20KVA. (MAX DEMAND = 171 KVA)

TABLE B
MAXIMUM MOMENTARY DEMAND.

DEMAND	GENERATOR SYSTEM
kVA * POWER FACTOR AT	171 0.9
mA	1250
kVp	80

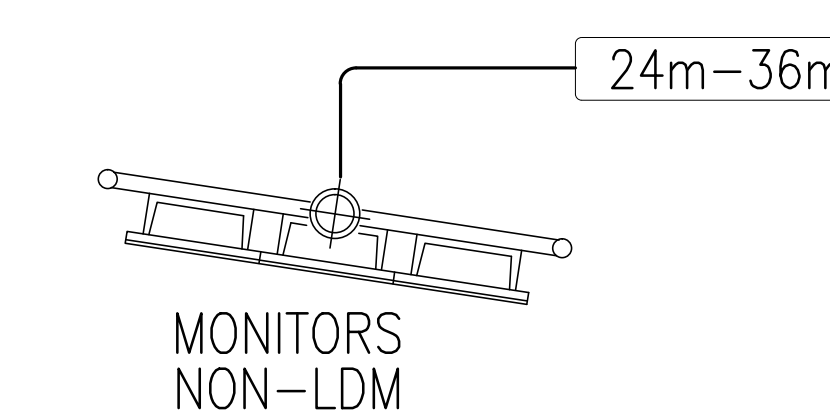
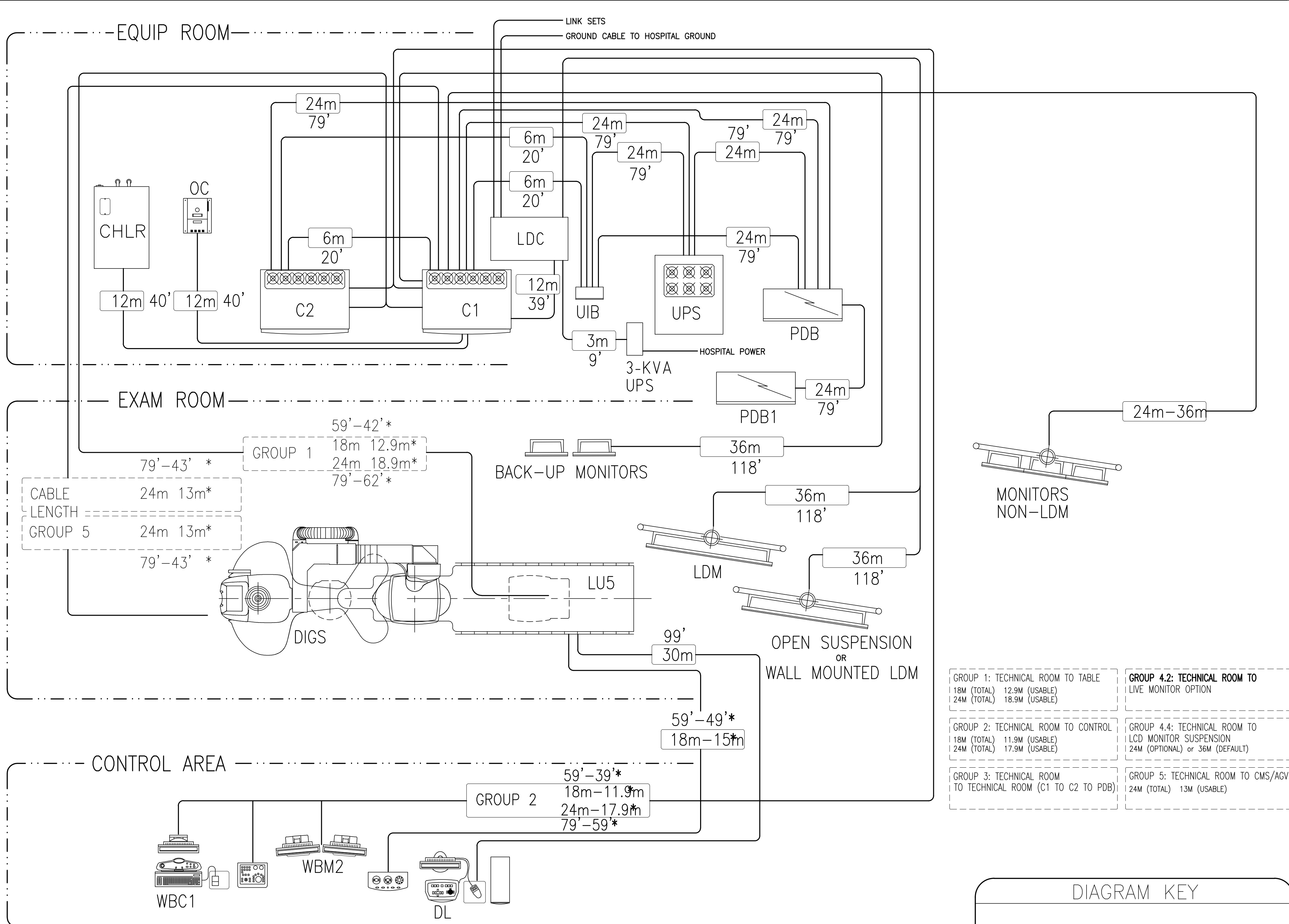
* DEMAND INCLUDES POWER FOR ENTIRE GENERATOR SYSTEM. LINE VOLTAGE REGULATION AT MAXIMUM POWER DEMAND MUST BE LESS THAN OR EQUAL TO 6 PERCENT.

DISTRI-TRANS-FORMER: FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 225 KVA.

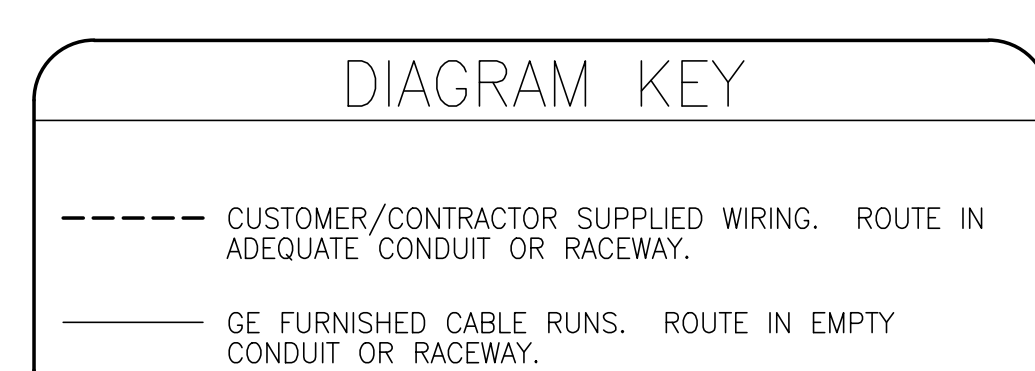
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SHEET TITLE: ELECTRICAL SPECIFICATIONS
MODALITY TYPE: DISCOVERY IGS

THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE LATEST AND MOST RELEVANT ELECTRICAL CODES. THE COMPANY ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.



- GROUP 1: TECHNICAL ROOM TO TABLE
18M (TOTAL) 12.9M (USABLE)
24M (TOTAL) 18.9M (USABLE)
- GROUP 2: TECHNICAL ROOM TO CONTROL
18M (TOTAL) 11.9M (USABLE)
24M (TOTAL) 17.9M (USABLE)
- GROUP 3: TECHNICAL ROOM TO TECHNICAL ROOM (C1 TO C2 TO PDB)
- GROUP 4: TECHNICAL ROOM TO LIVE MONITOR OPTION
24M (OPTIONAL) OR 36M (DEFAULT)
- GROUP 5: TECHNICAL ROOM TO CMS/AGV
24M (TOTAL) 13M (USABLE)



REV DATE: 20.May.15

ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE COPPER STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, CUT 10 FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS. ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN A CONDUIT OR DUCT SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER STRANDED AND FREE FROM SPLICES. ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.
- NOTE 2: WIRE SIZES GIVEN ARE FOR USE OF EQUIPMENT. LARGER SIZES MAY BE REQUIRED BY LOCAL CODES.
- NOTE 3: IT IS RECOMMENDED THAT ALL WIRES BE COLOR CODED, AS REQUIRED IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 4: CONDUIT SIZES SHALL BE VERIFIED BY THE ARCHITECT, ELECTRICAL ENGINEER OR CONTRACTOR, IN ACCORDANCE WITH LOCAL OR NATIONAL CODES.
- NOTE 5: CONVENIENCE OUTLETS ARE NOT ILLUSTRATED. THEIR NUMBER AND LOCATION ARE TO BE SPECIFIED BY OTHERS. LOCATE AT LEAST ONE CONVENIENCE OUTLET CLOSE TO THE SYSTEM CONTROL, THE POWER DISTRIBUTION UNIT AND ONE ON EACH WALL OF THE PROCEDURE ROOM. USE HOSPITAL APPROVED OUTLET OR EQUIVALENT.
- NOTE 6: GENERAL ROOM ILLUMINATION IS NOT ILLUSTRATED. CAUTION SHOULD BE TAKEN TO AVOID EXCESSIVE HEAT FROM OVERHEAD SPOTLIGHTS. DAMAGE CAN OCCUR TO CEILING MOUNTING COMPONENTS AND WIRING IF HIGH WATTAGE BULBS ARE USED. RECOMMEND LOW WATTAGE BULBS NO HIGHER THAN 75 WATTS AND USE DIMMER CONTROLS (EXCEPT MR). DO NOT MOUNT LIGHTS DIRECTLY ABOVE AREAS WHERE CEILING MOUNTED ACCESSORIES WILL BE PARKED.
- NOTE 7: ROUTING OF CABLE DUCTWORK, CONDUITS, ETC., MUST RUN DIRECT AS POSSIBLE OTHERWISE MAY RESULT IN THE NEED FOR GREATER THAN STANDARD CABLE LENGTHS (REFER TO THE INTERCONNECTION DIAGRAM FOR MAXIMUM USABLE LENGTHS POINT TO POINT).
- NOTE 8: CONDUIT TURNS TO HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 9: A SPECIAL GROUNDING SYSTEM IS REQUIRED IN ALL PROCEDURE ROOMS BY SOME NATIONAL AND LOCAL CODES. IT IS RECOMMENDED IN AREAS WHERE PATIENTS MIGHT BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CONDITIONS. CONSULT THE GOVERNING ELECTRICAL CODE AND CONFER WITH APPROPRIATE CUSTOMER ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS TYPE OF GROUNDING SYSTEM.
- NOTE 10: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT BE EXCEEDED.
- NOTE 11: PHYSICAL CONNECTION OF PRIMARY POWER TO GE EQUIPMENT IS TO BE MADE BY CUSTOMERS ELECTRICAL CONTRACTOR WITH THE SUPERVISION OF A GE REPRESENTATIVE. THE GE REPRESENTATIVE WOULD BE REQUIRED TO IDENTIFY THE PHYSICAL CONNECTION LOCATION, AND INSURE PROPER HANDLING OF GE EQUIPMENT.
- NOTE 12: GEHC CONDUCTS POWER AUDITS TO VERIFY QUALITY OF POWER BEING DELIVERED TO THE SYSTEM. THE CUSTOMER'S ELECTRICAL CONTRACTOR IS REQUIRED TO BE AVAILABLE TO SUPPORT THIS ACTIVITY.

PROJECT TITLE: INTERVENTIONAL O.R.
MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01

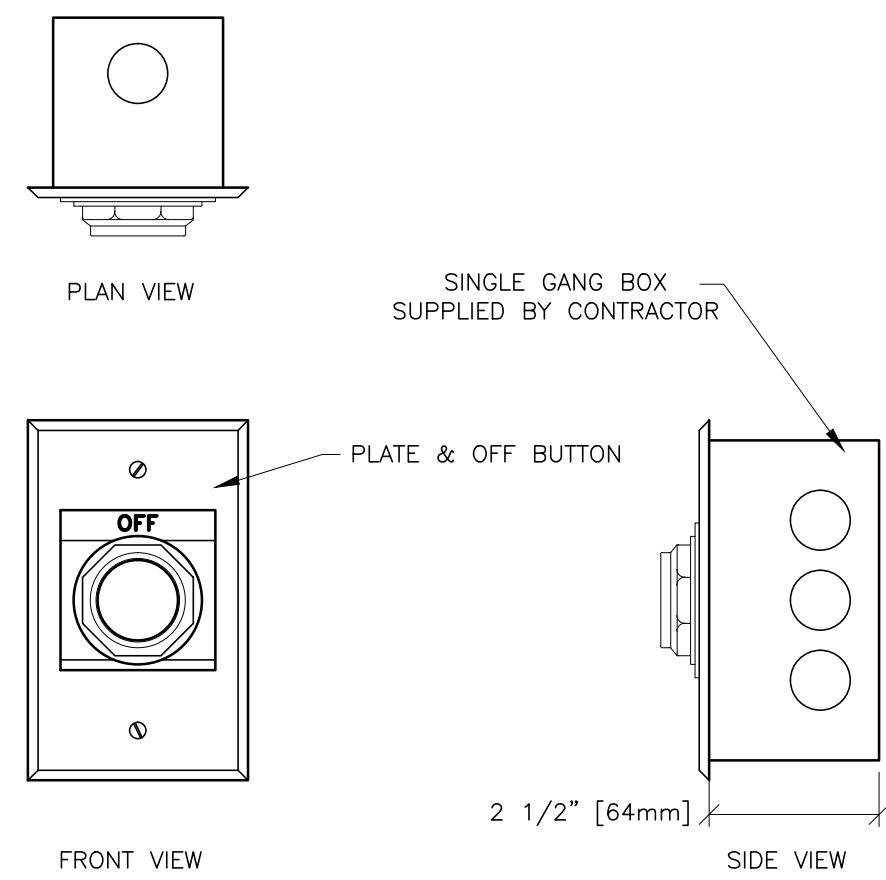
DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

REVISION HISTORY:

SHEET
E2

ELECTRICAL DETAIL
EMERGENCY OFF BUTTON

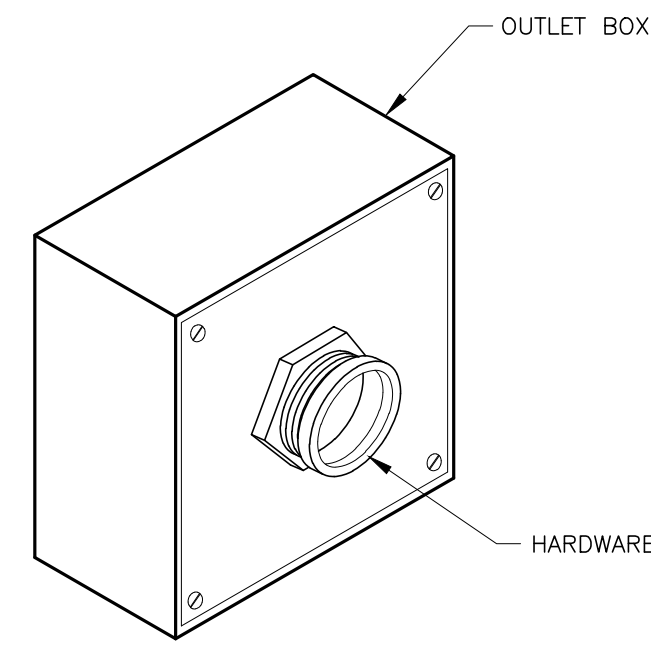
ELEC-16
REV. DATE: 05/14/09



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL)

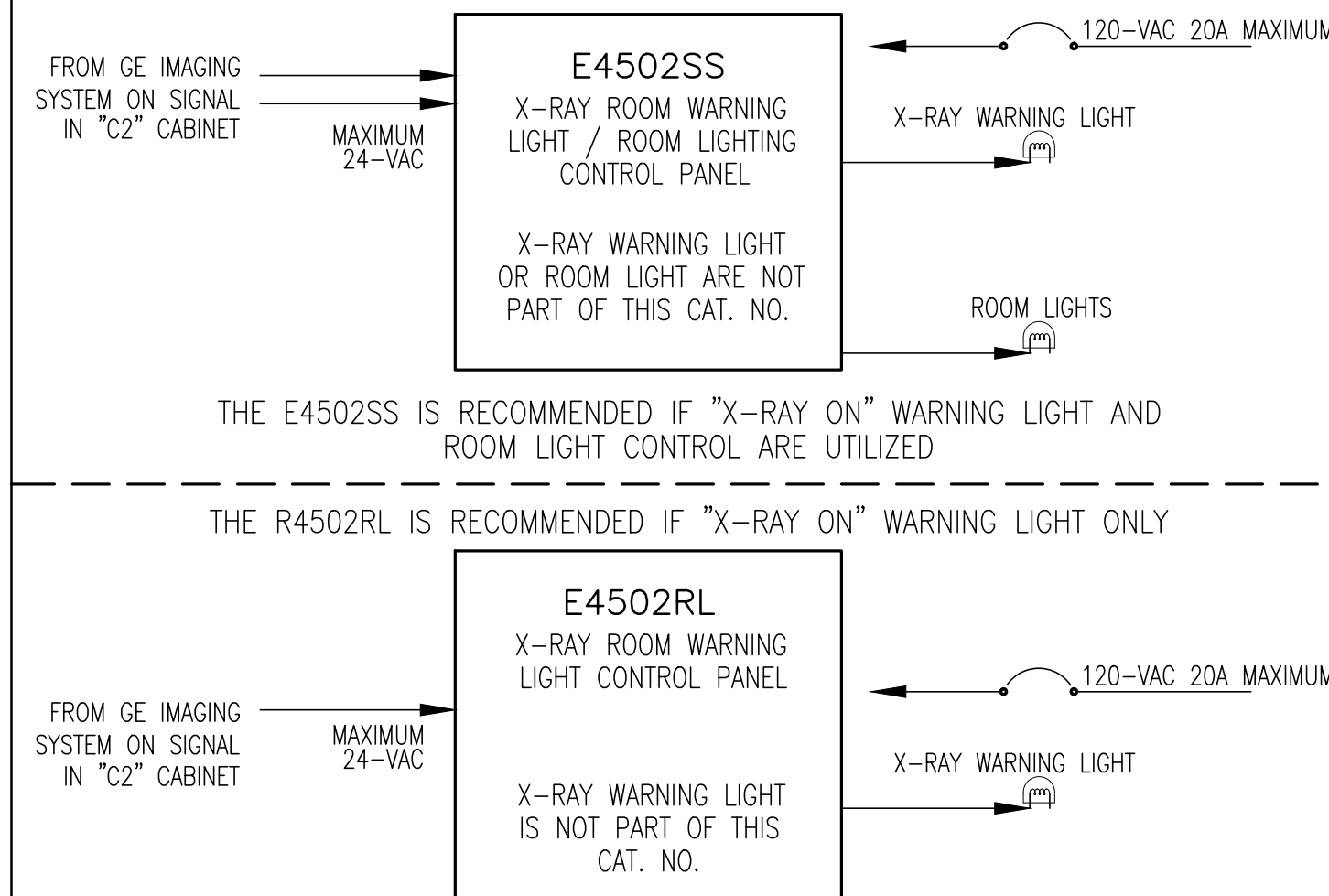
ELEC-8
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
X-RAY WARNING LIGHT & ROOM LIGHT CONTROL PANEL

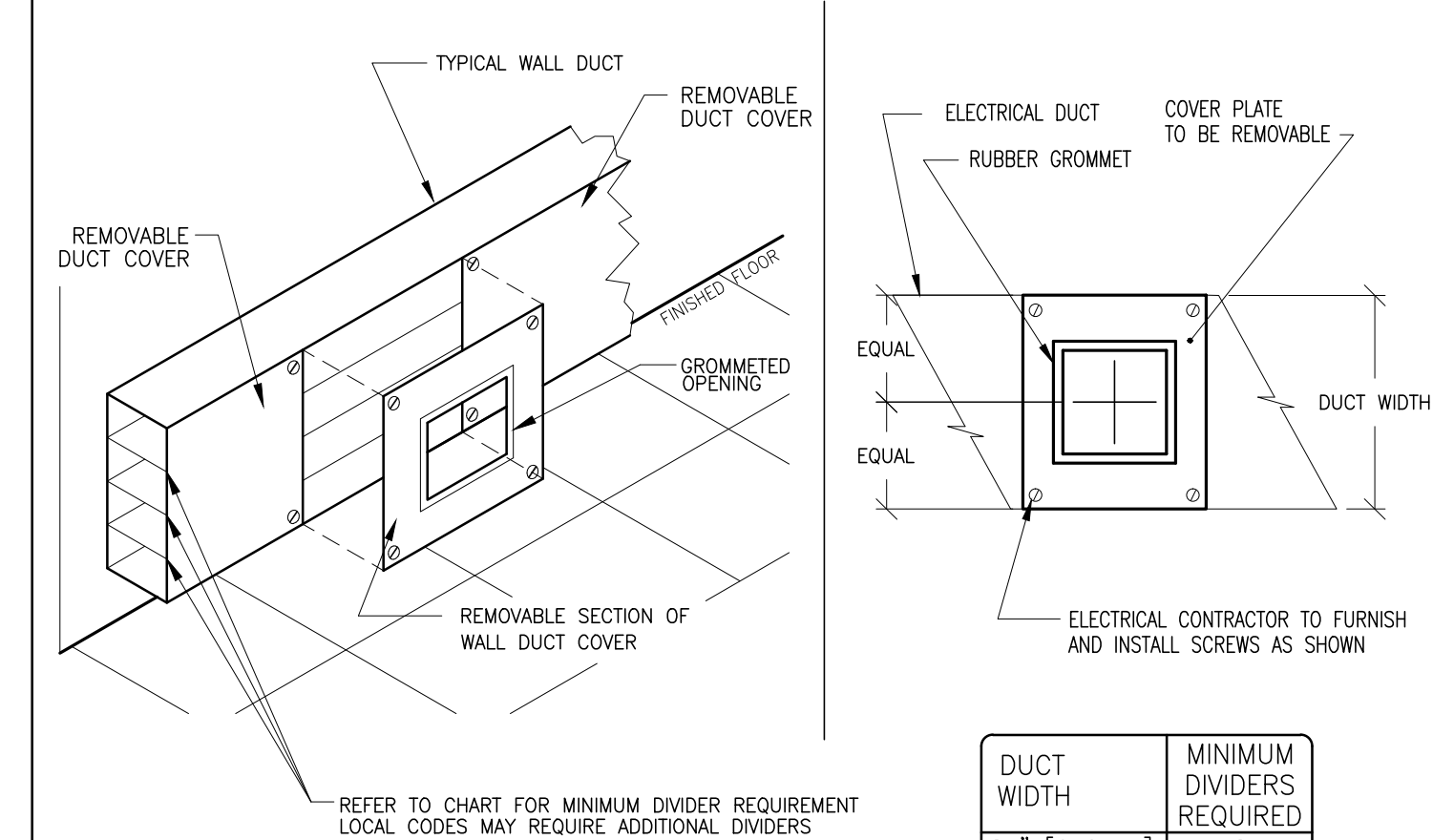
ELEC-157
REV. DATE: 04/23/09



THE E4502SS IS RECOMMENDED IF "X-RAY ON" WARNING LIGHT AND ROOM LIGHT CONTROL ARE UTILIZED
THE R4502RL IS RECOMMENDED IF "X-RAY ON" WARNING LIGHT ONLY
CONTROL PANEL CAN BE LOCATED ABOVE THE CEILING NEAR THE WARNING LIGHT
UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER,
ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

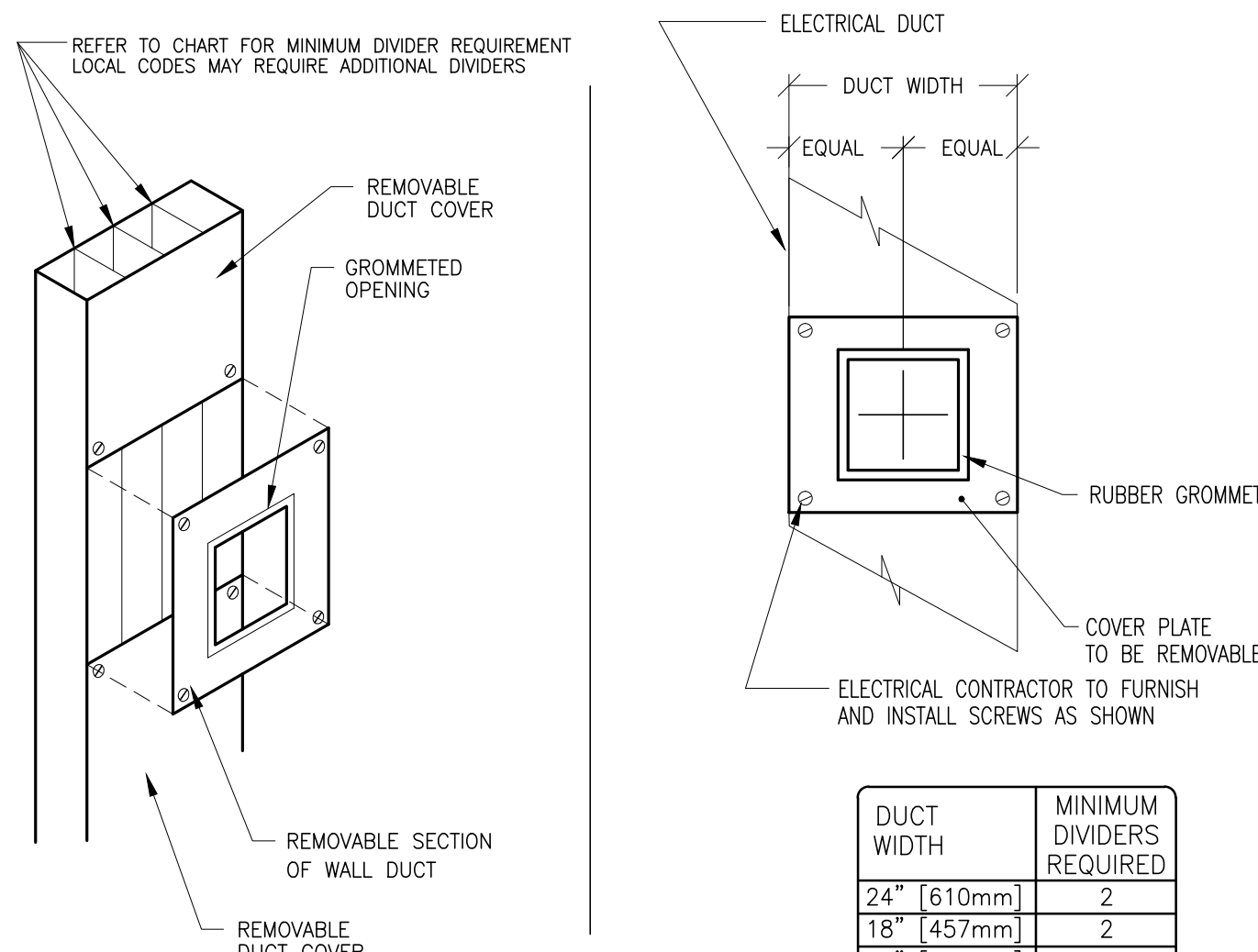
ELEC-5
REV. DATE: 03/19/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
VERTICAL WALL DUCT (TYPICAL)

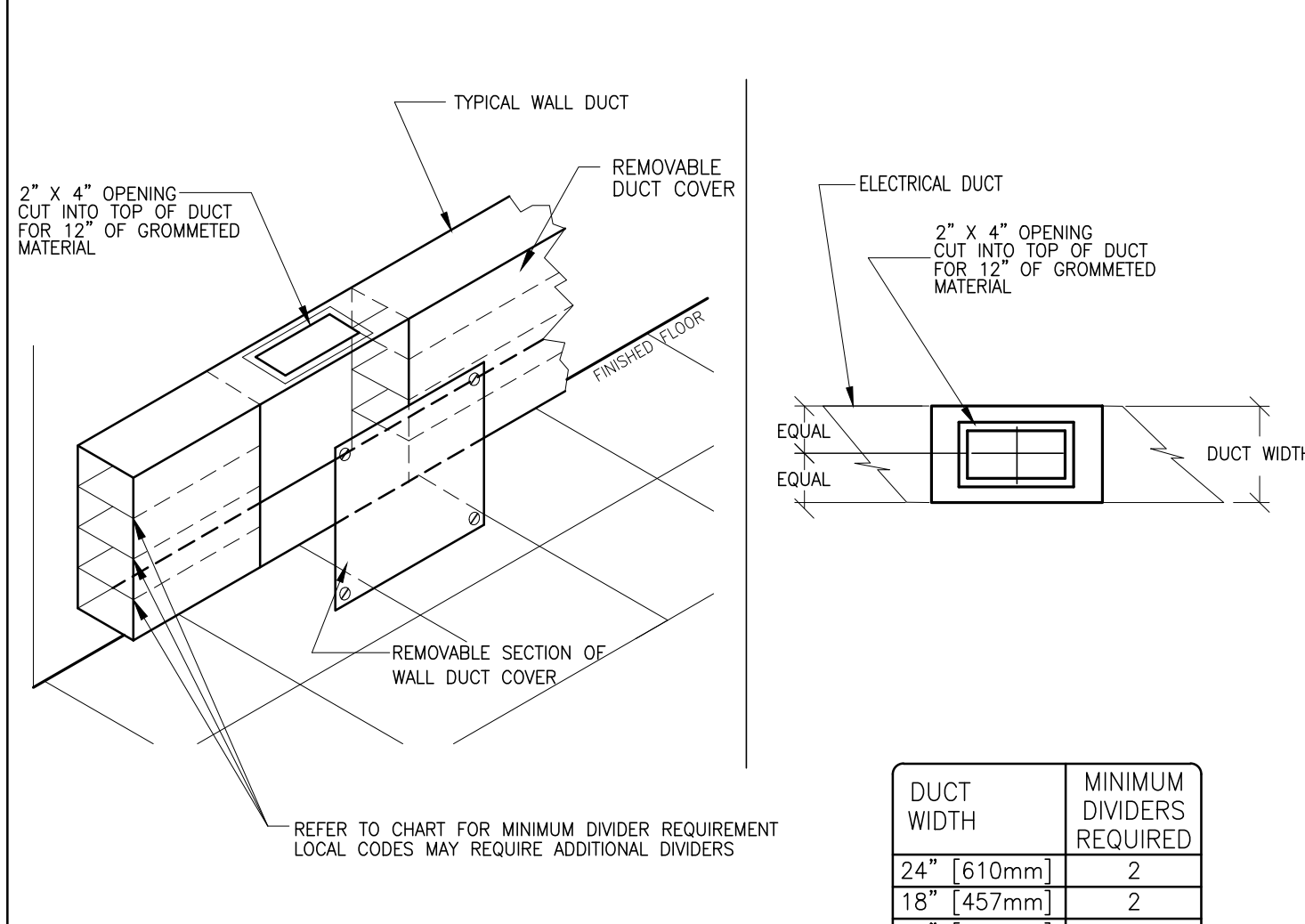
ELEC-6
REV. DATE: 03/19/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

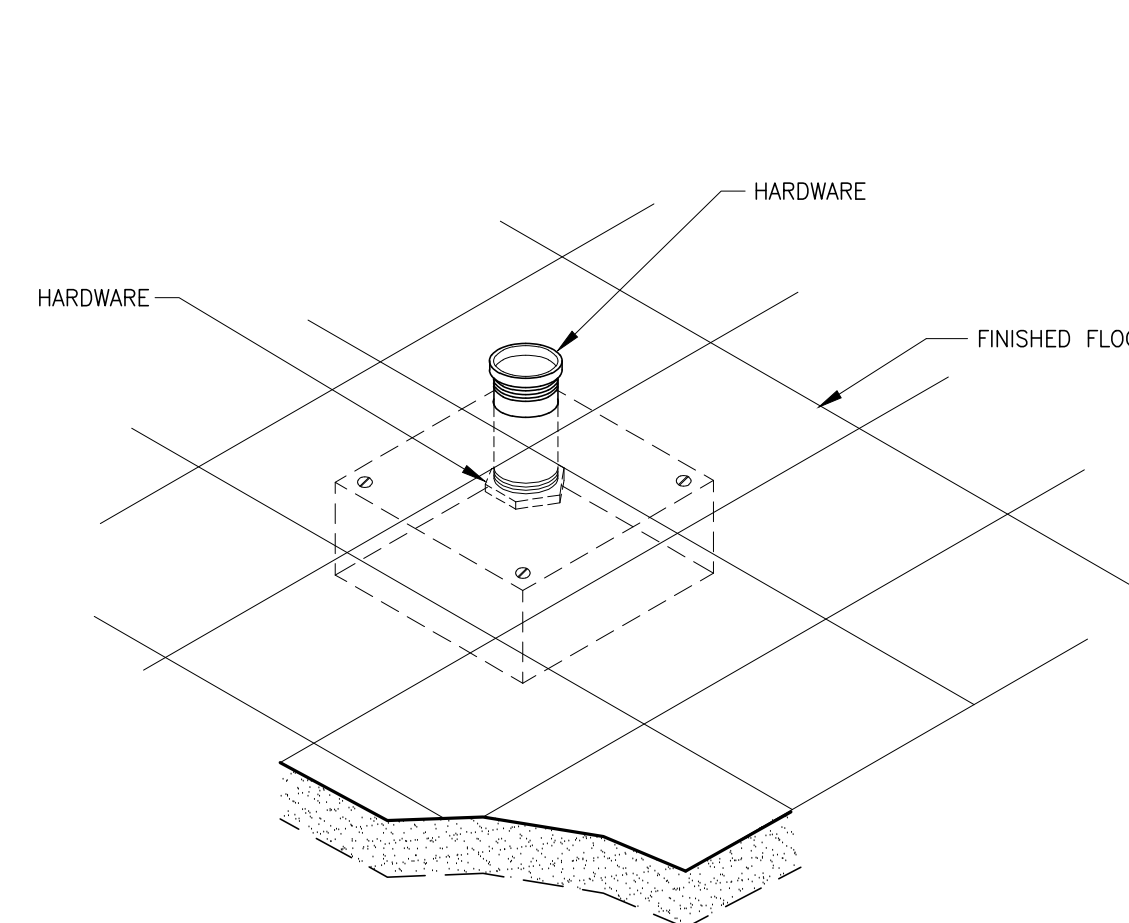
ELEC-5A
REV. DATE: 06/16/08



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECTION - BOX BELOW FLOOR

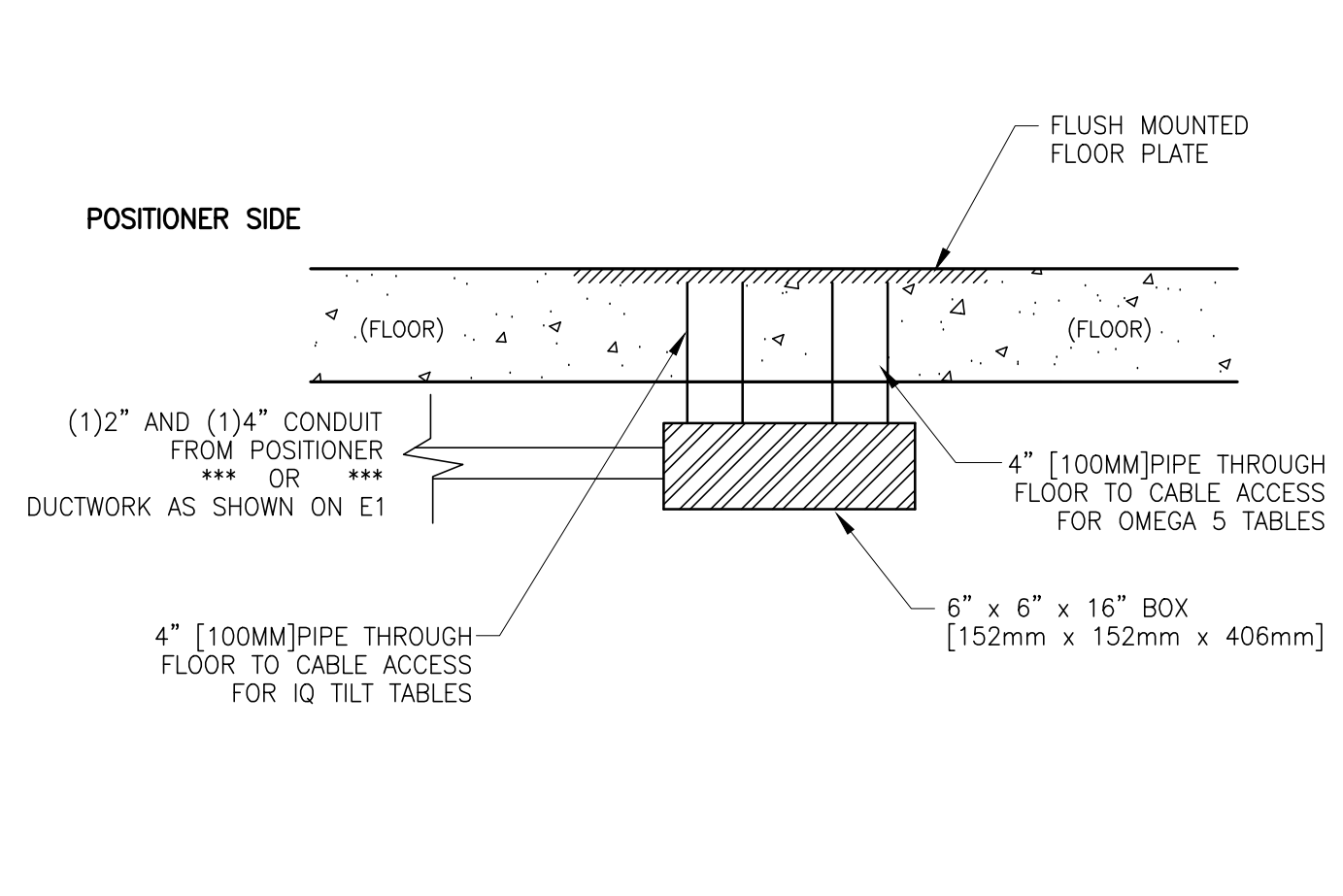
ELEC-48
REV. DATE: 01/04/96



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECT DETAIL, UNDER FLOOR

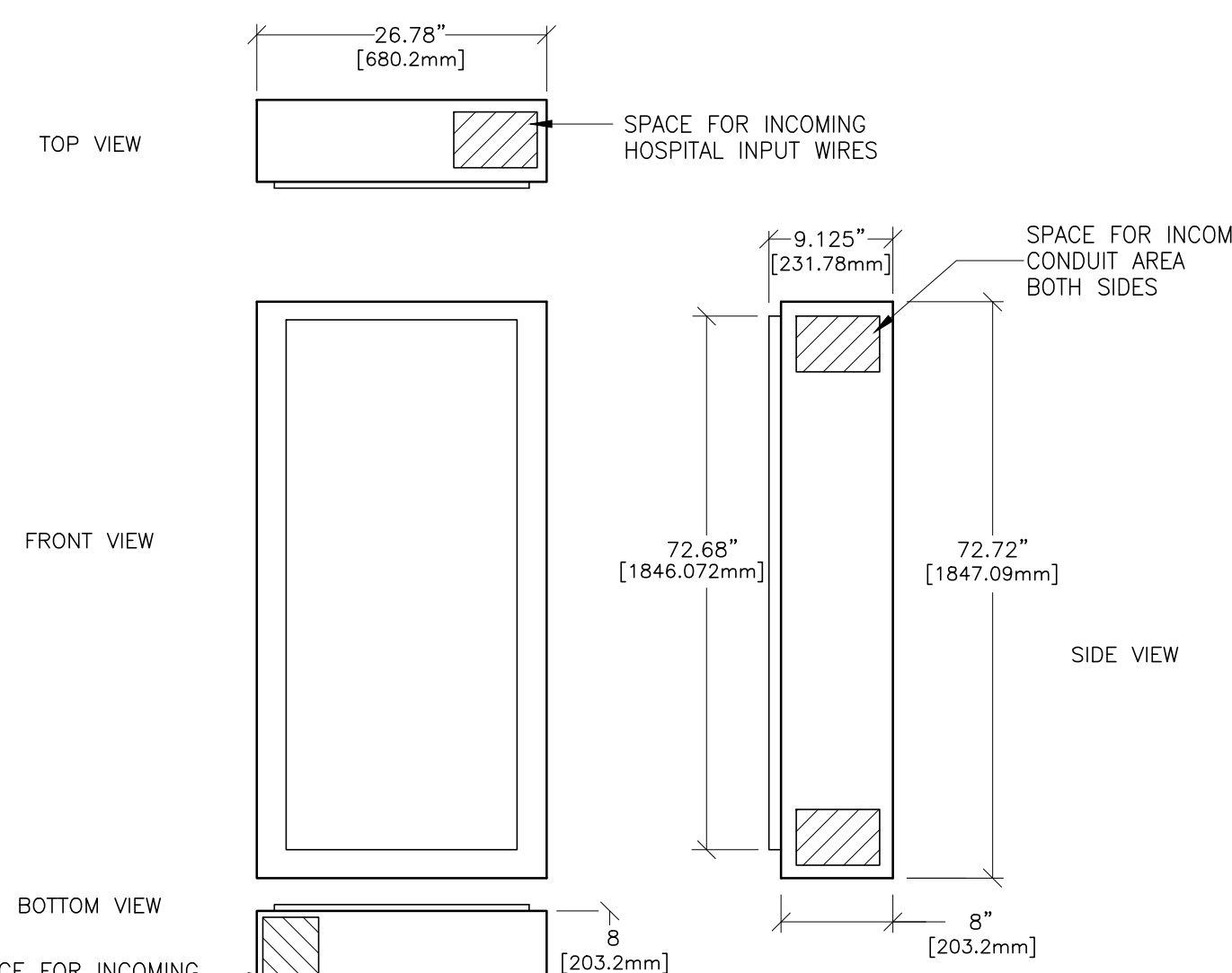
ELEC-134
REV. DATE: 05/10/04



NOTE: PIPE, JUNCTION BOX AND DUCT OR CONDUIT ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER OR CUSTOMER'S CONTRACTOR.
DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INNOVA PLUS MAIN DISCONNECT PANEL

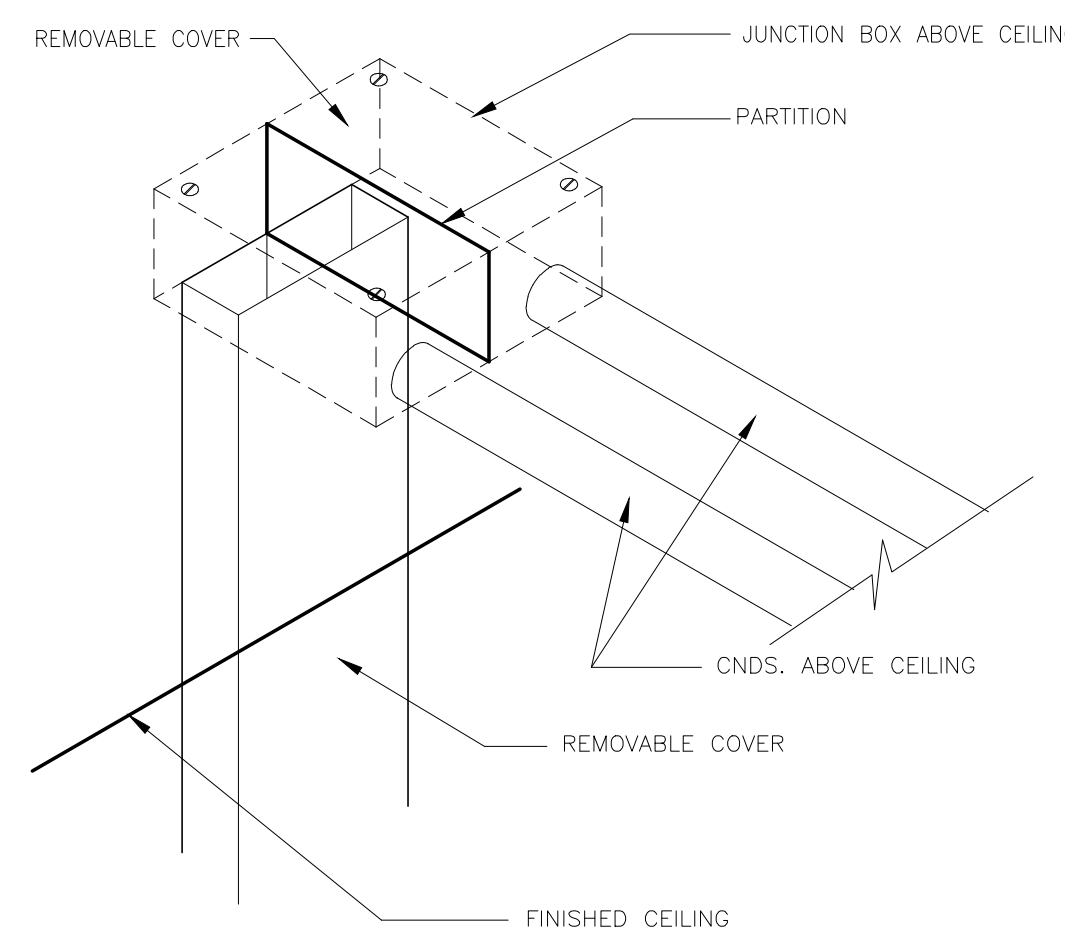
ELEC-161
REV. DATE: 09/27/10



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
J.B. / WALL DUCT DETAIL (TYPICAL)

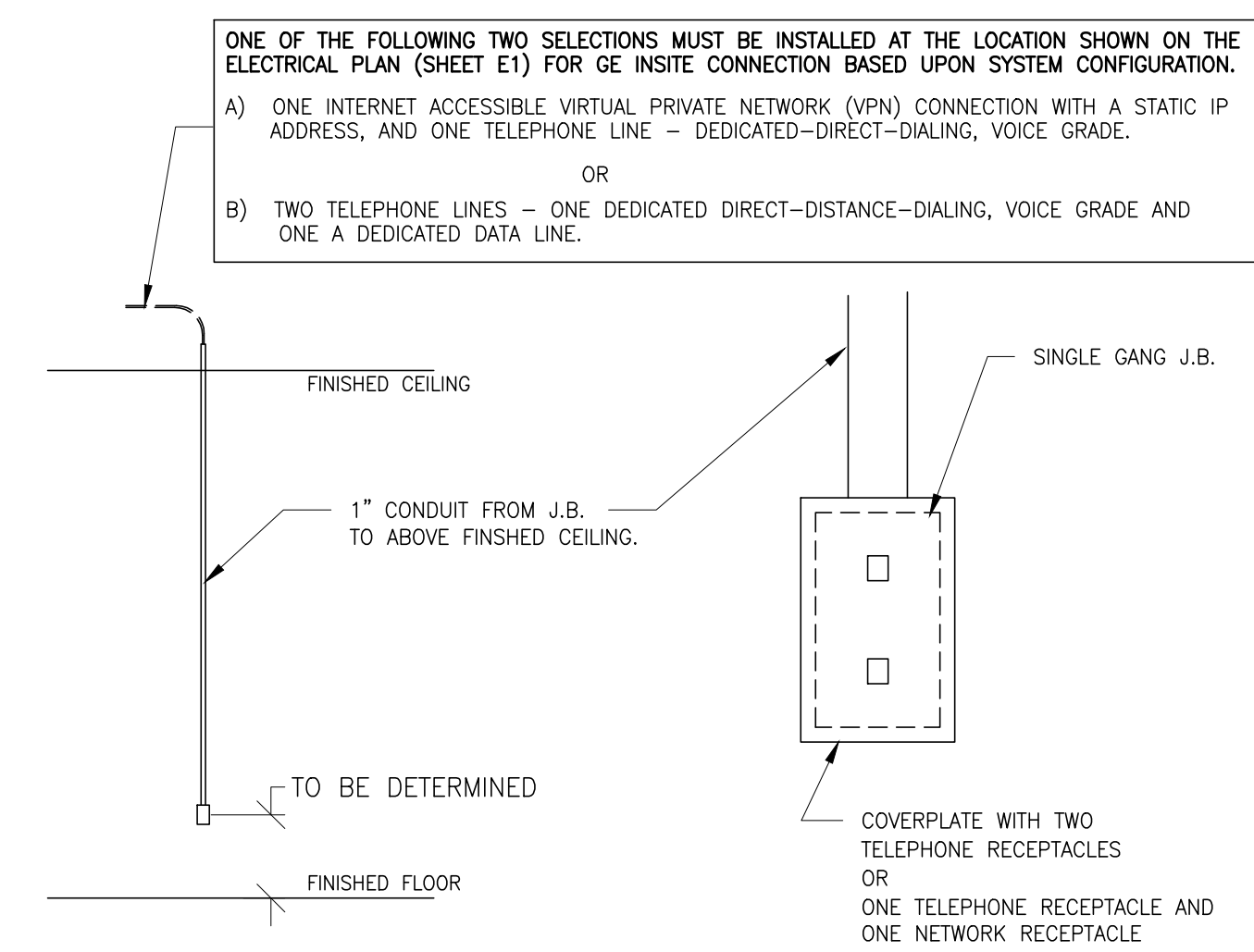
ELEC-2
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INSITE CONNECTION (TYPICAL)

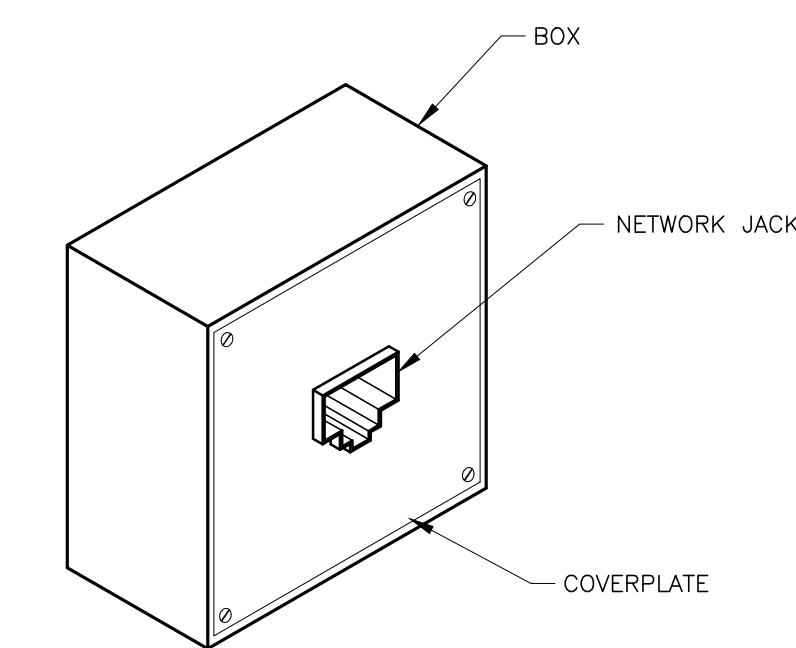
ELEC-1
REV. DATE: 04/24/02



ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.
DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

ELEC-83
REV. DATE: 10/06/98



DETAIL NOT TO SCALE

PROJECT	REVISION
4-88f	01

DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

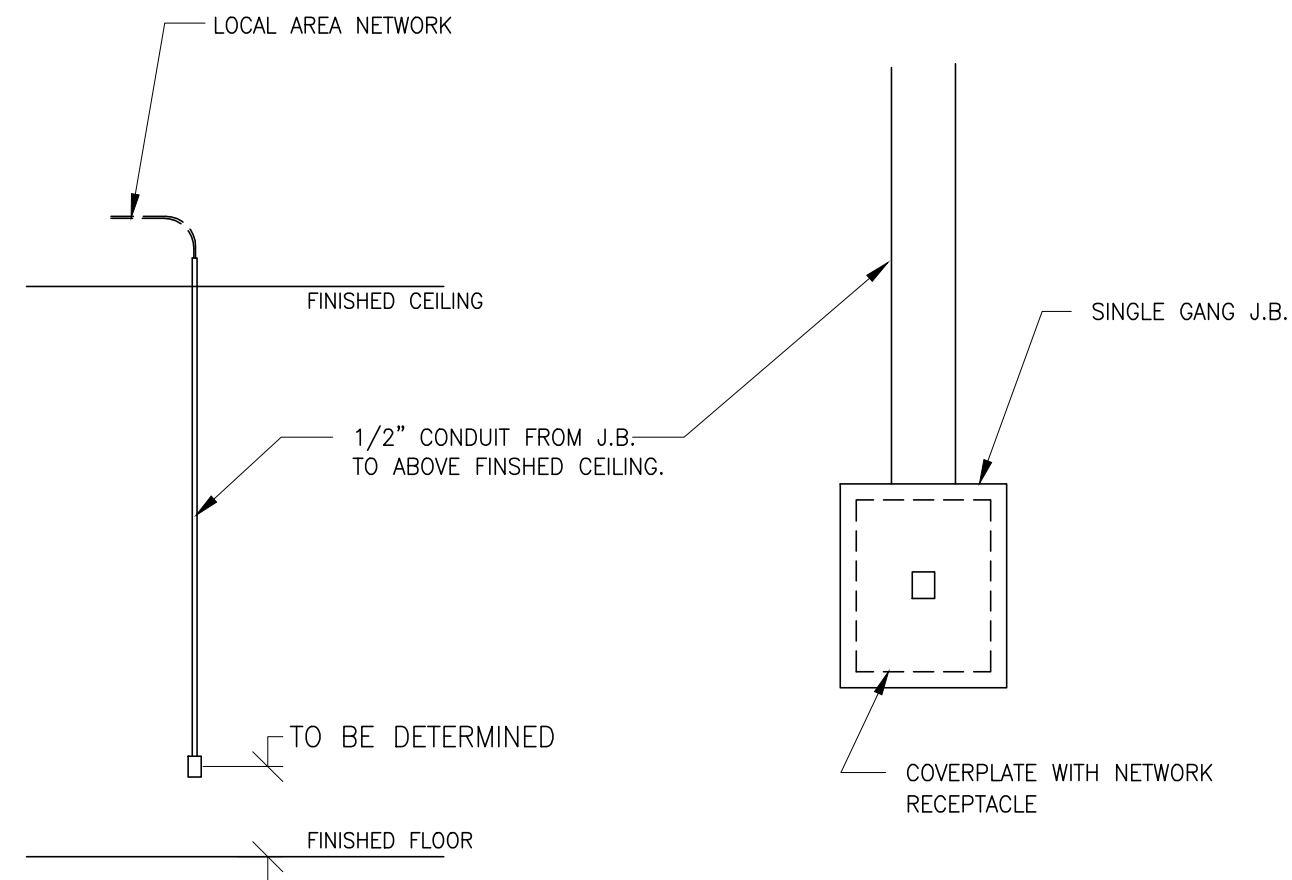
REVISION HISTORY:

ELECTRICAL DETAIL
NETWORK CONNECTION (TYPICAL)

ELEC-84

REV. DATE: 03/06/04

FOR NUCLEAR SYSTEMS A DIRECT NETWORK CONNECTION IS TO BE MADE BETWEEN THE SYSTEM AND THE REVIEW WORKSTATION.

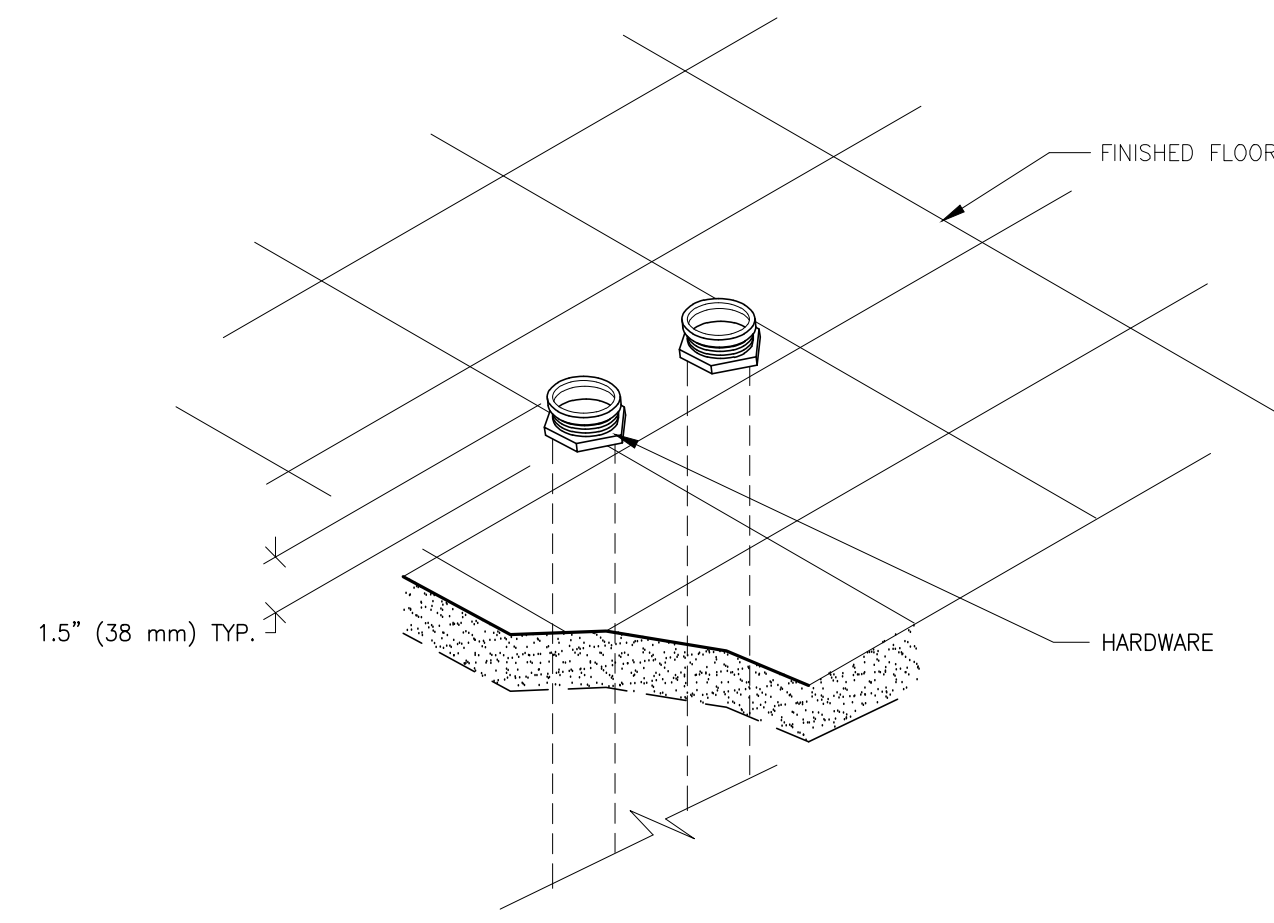


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
CONDUITS THRU-FLOOR (TYPICAL)

ELEC-9

REV. DATE: 08/08/94



DETAIL NOT TO SCALE



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Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: DISCOVERY IGS

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PROJECT TITLE:

INTERVENTIONAL O.R.

MILWAUKEE, WISCONSIN

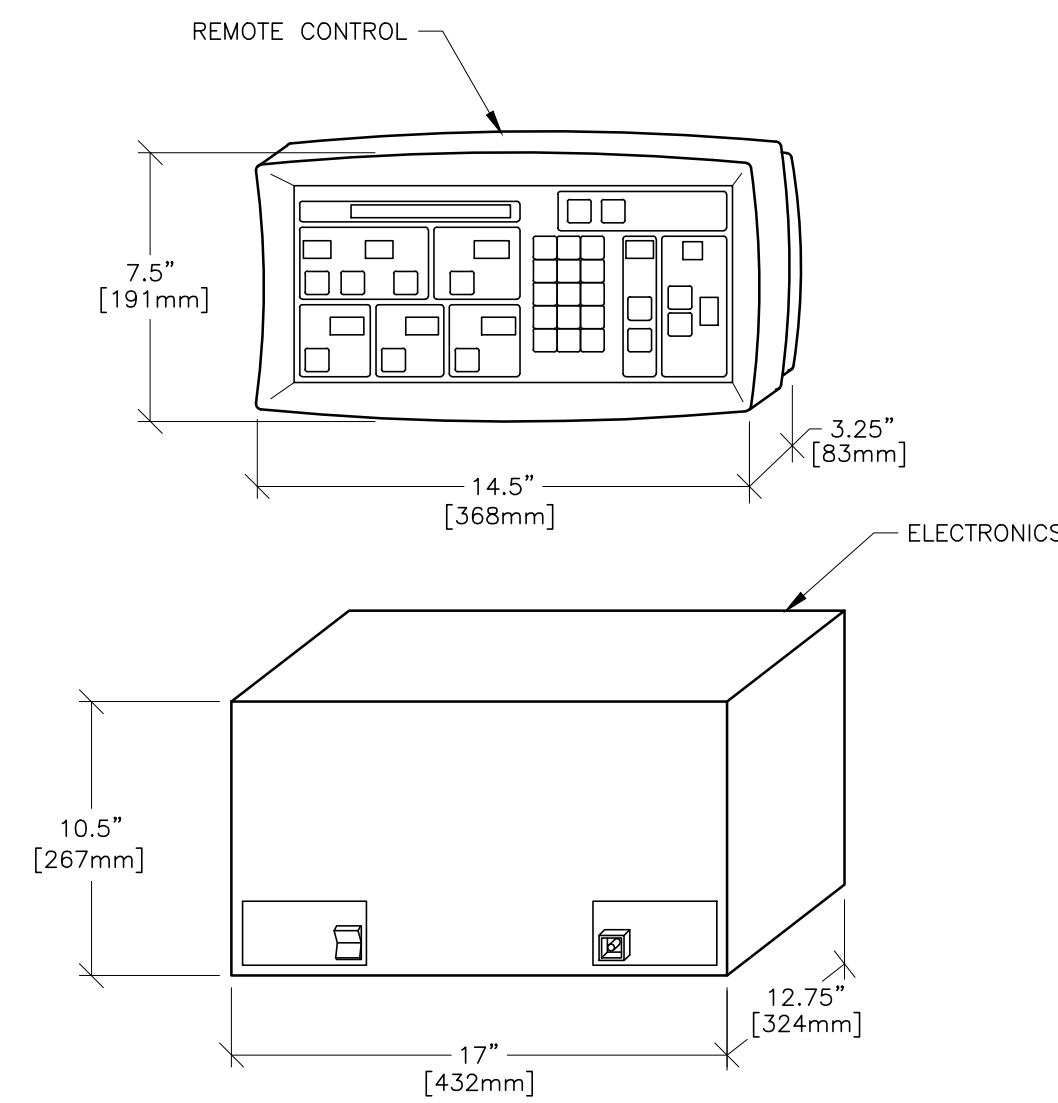
PROJECT	REVISION
4-88f	01
DATE:	22.Oct.15
DRAWN BY:	SLR
CHECKED BY:	TST

REVISION HISTORY:

SHEET
E4

EQUIPMENT DETAIL
INJECTOR REMOTE CONTROL AND ELECTRONICS

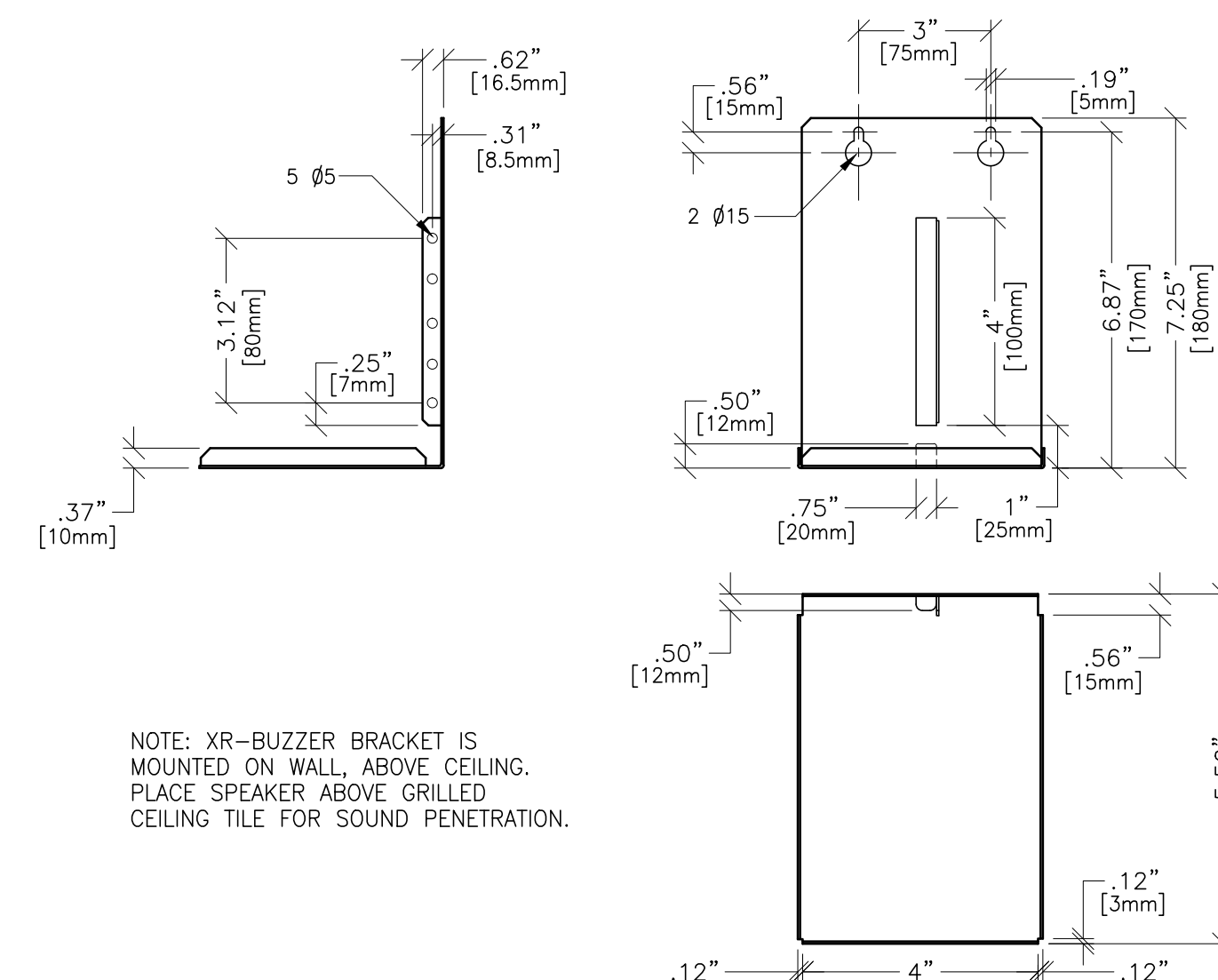
B50-28
REV. DATE: 02.AUG.12



DRAWING NOT TO SCALE

EQUIPMENT DETAIL
XR-BUZZER BRACKET

B5150H
REV. 00: 10/30/08

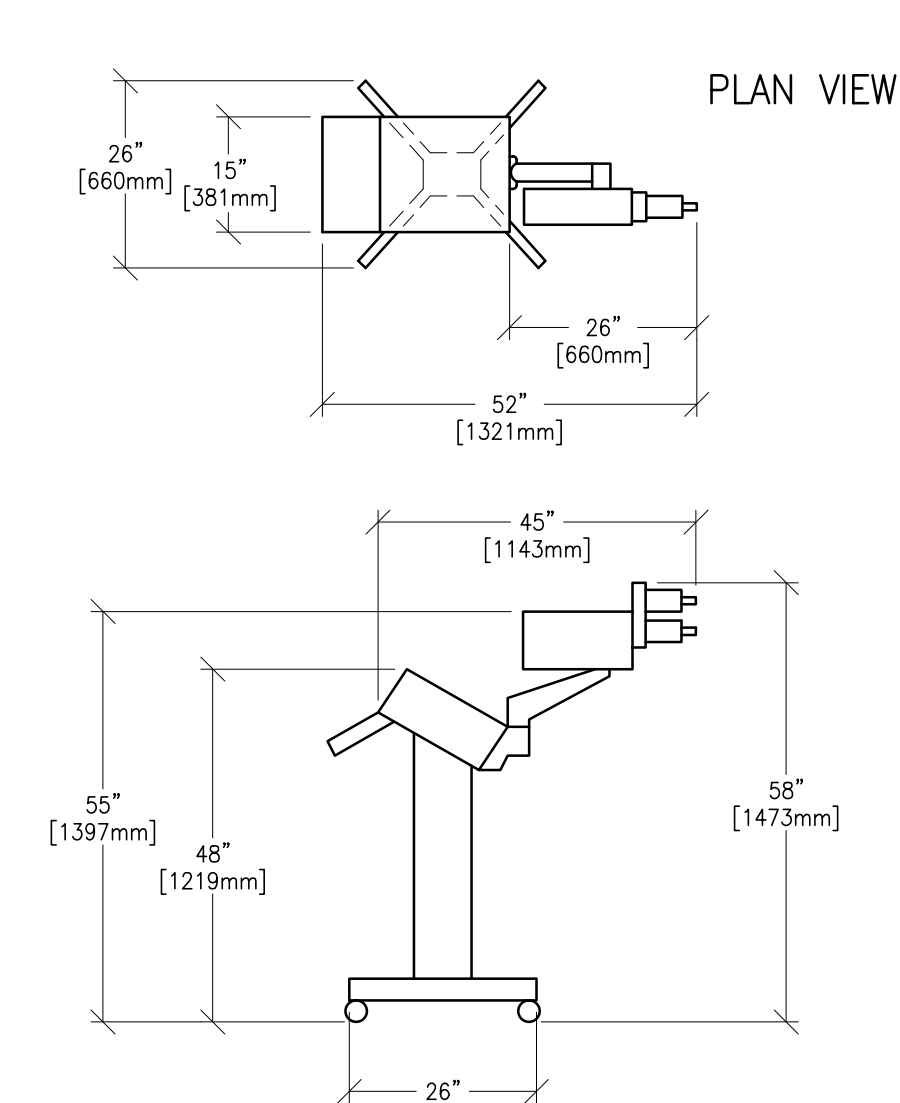


NOTE: XR-BUZZER BRACKET IS MOUNTED ON WALL, ABOVE CEILING. PLACE SPEAKER ABOVE GRILLED CEILING TILE FOR SOUND PENETRATION.

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INJECTOR ON MOBILE PEDESTAL

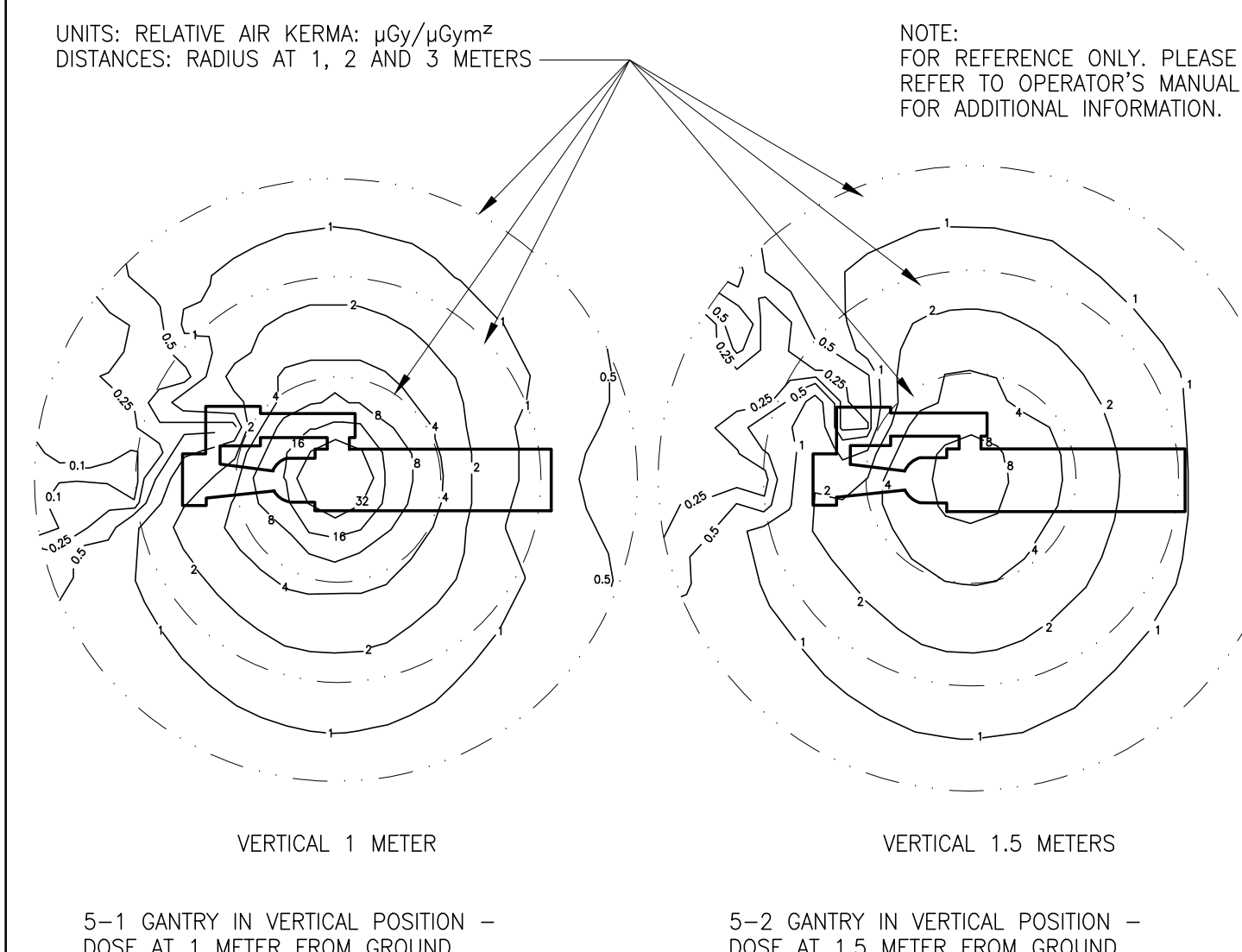
B50-30
REV. DATE: 28.JUN.12



DRAWING NOT TO SCALE

EQUIPMENT DETAIL
DISCOVERY IGS RADIATION SCATTER PLOTS

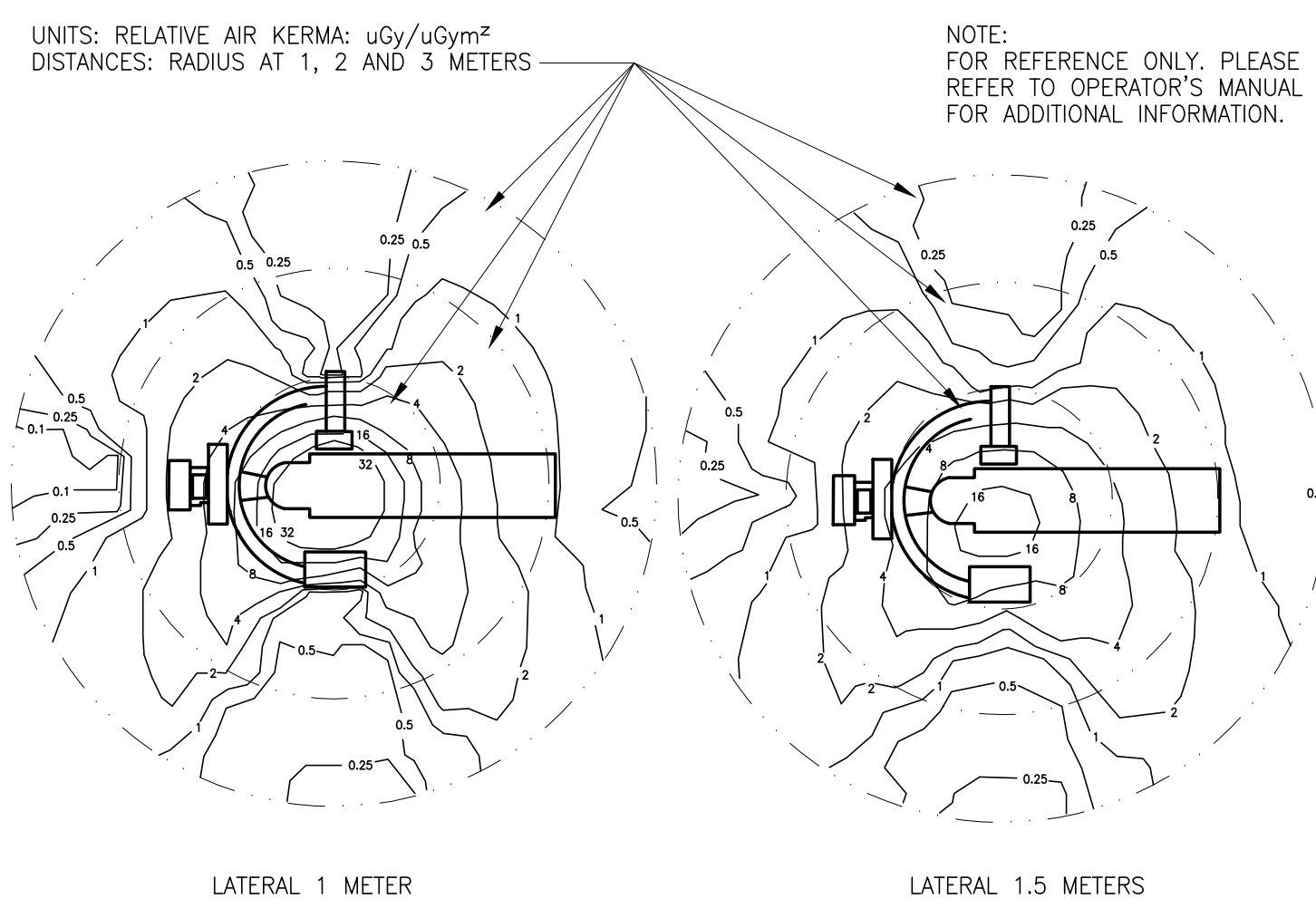
B5050S
REV. DATE: 18.JUL.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DISCOVERY IGS RADIATION SCATTER PLOTS

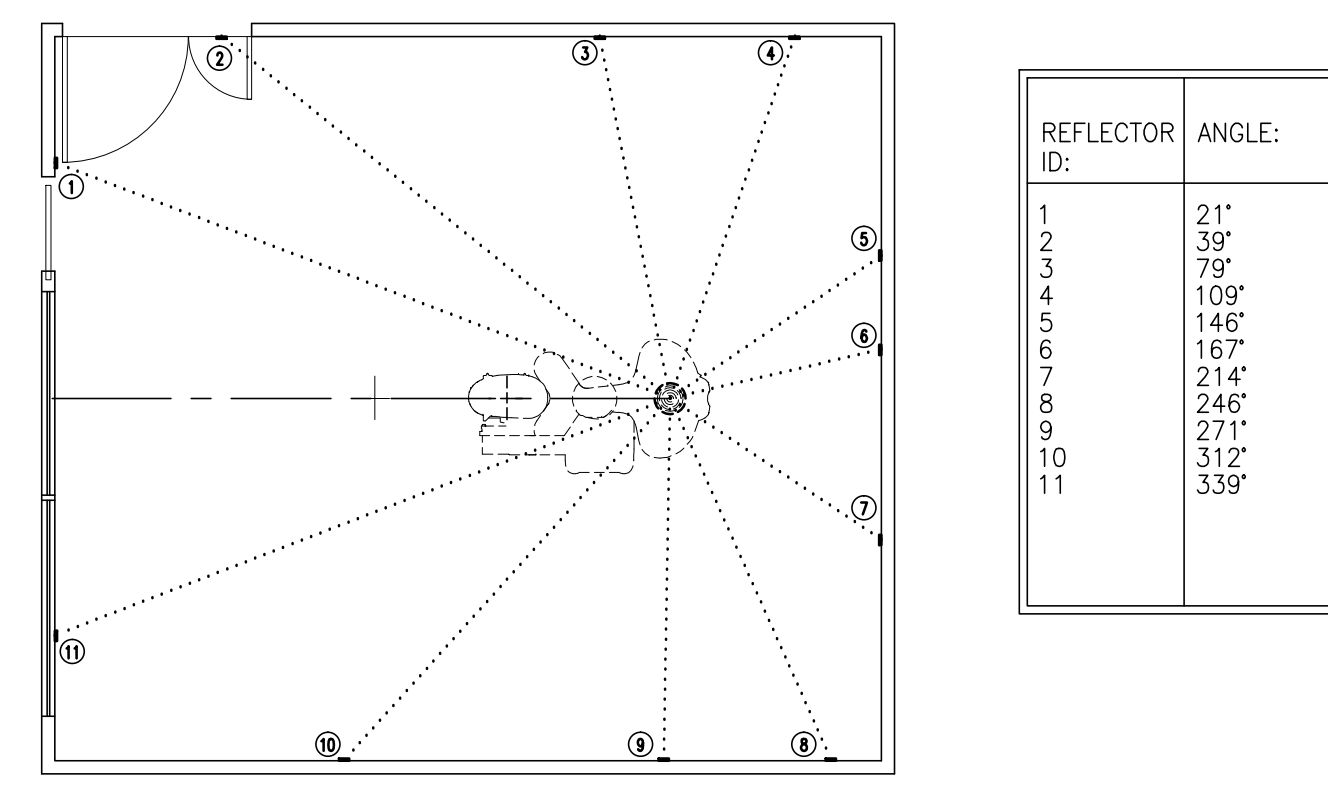
B5050T
REV. DATE: 18.JUL.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LASER TARGET IMPLEMENTATION

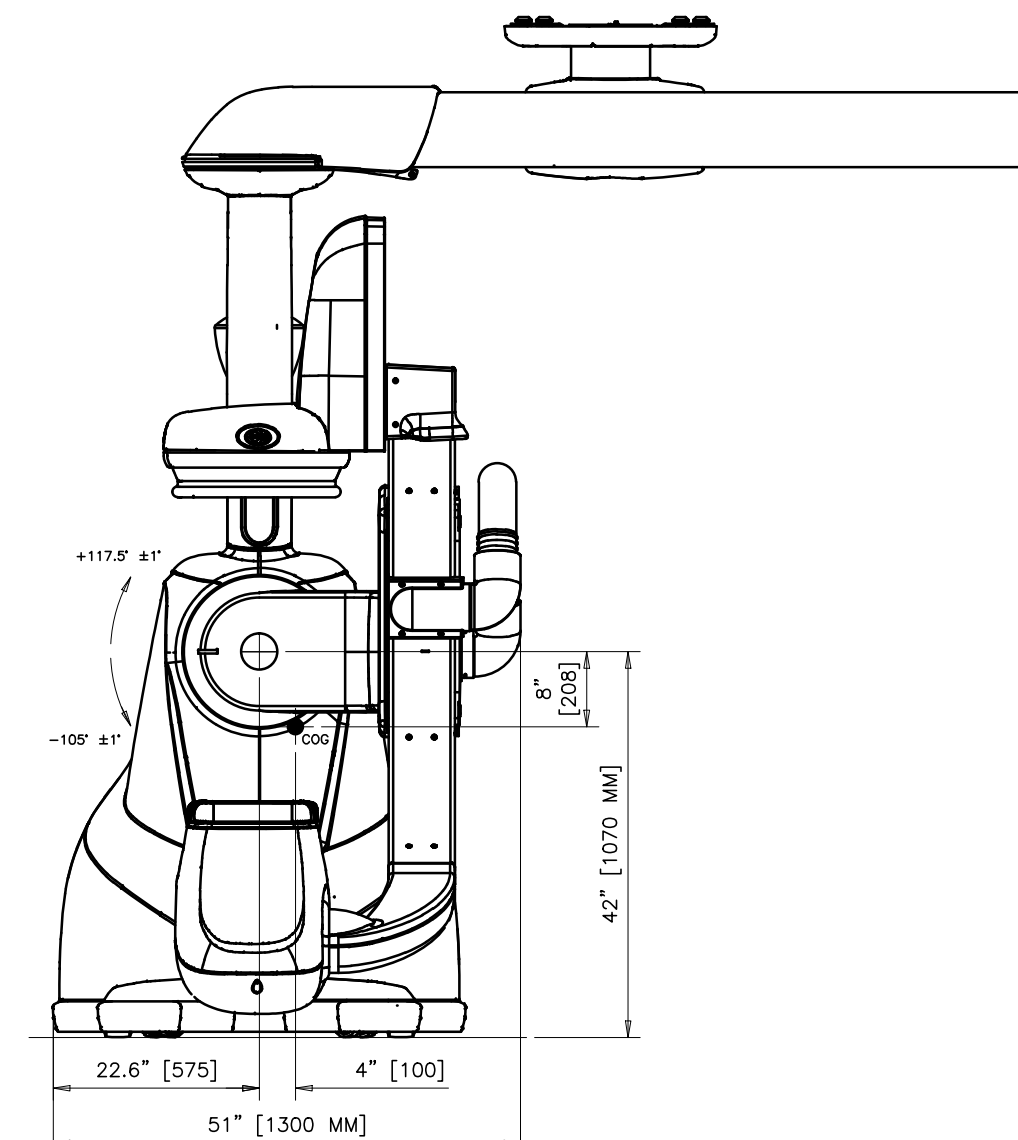
B-IGS10
REV. DATE: 30.AUG.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DISCOVERY IGS POSITIONER - FRONT VIEW

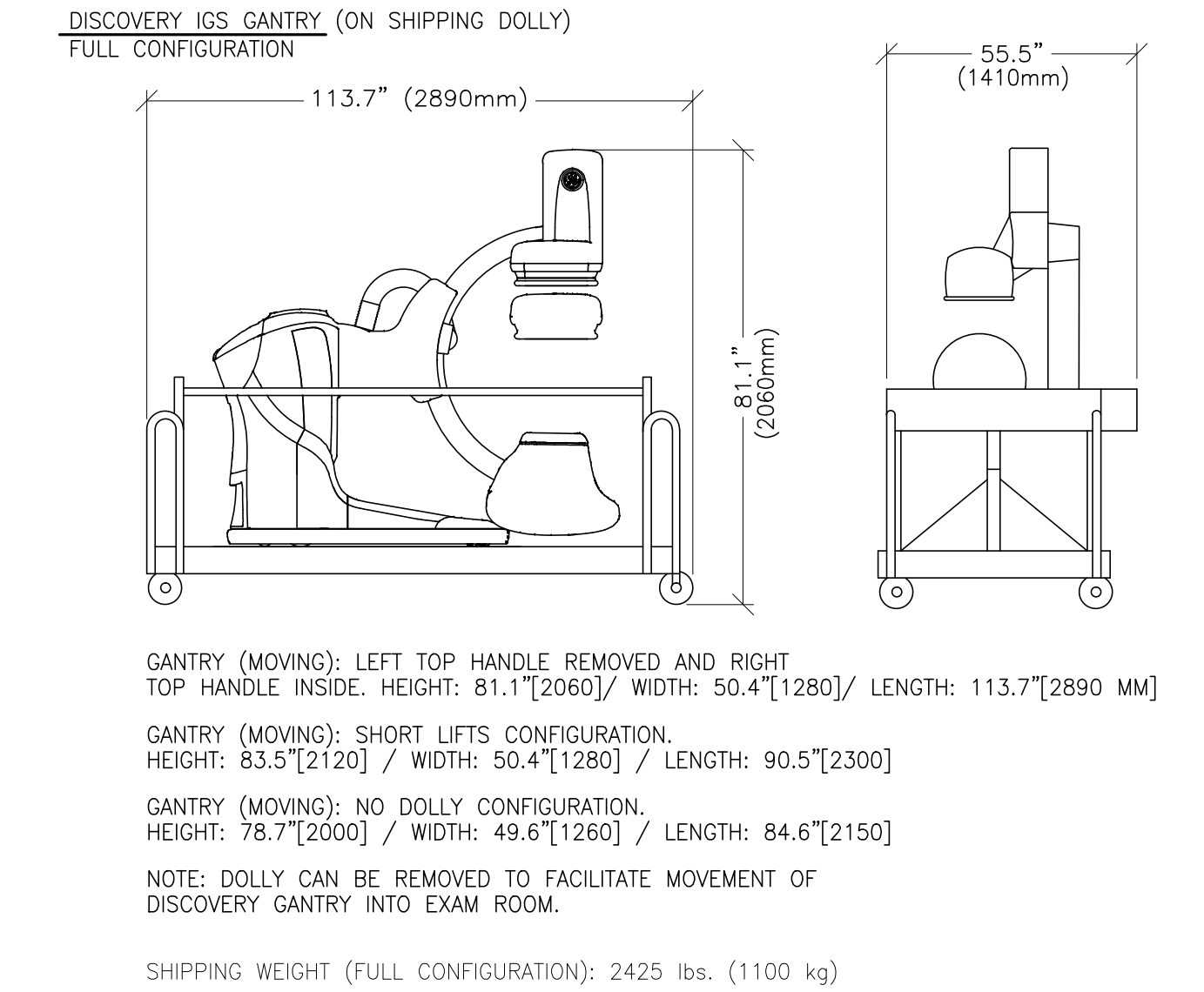
B-IGS01
REV. DATE: 10.APR.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
SHIPPING DOLLY FOR DISCOVERY IGS GANTRY

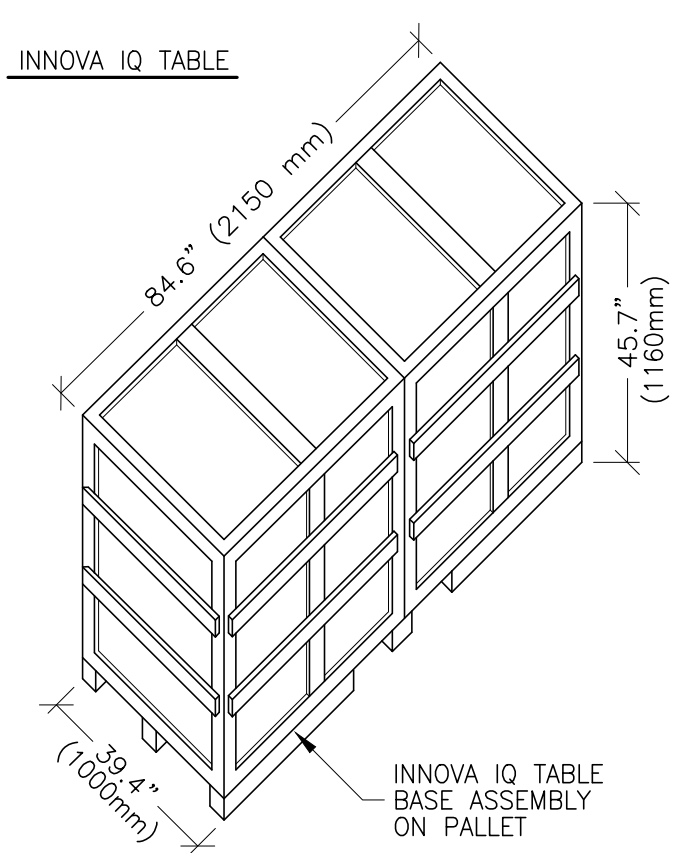
B-IGS12
REV. DATE: 11.SEP.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
SHIPPING CRATE FOR IQ TABLE; DISCOVERY SYSTEM

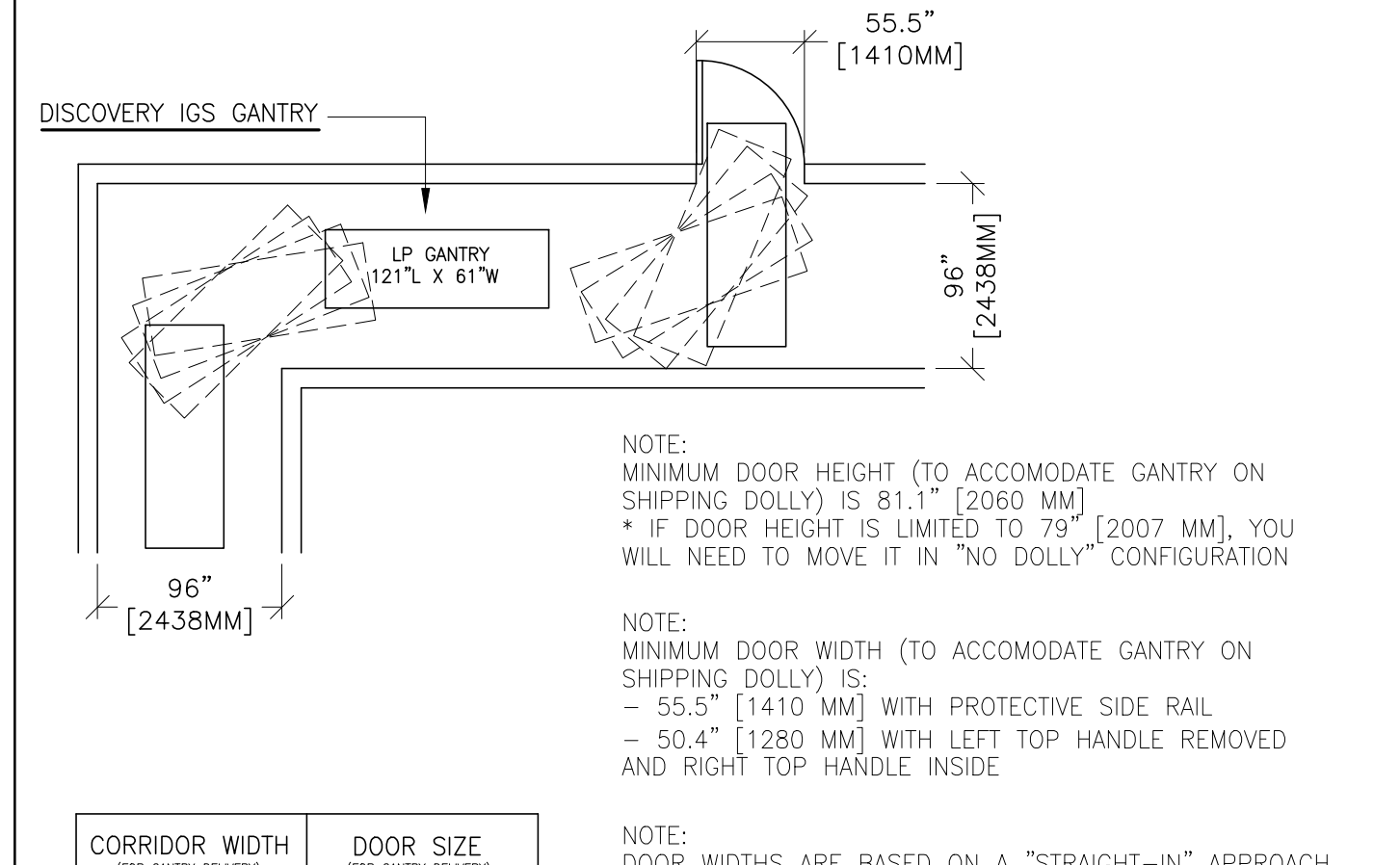
B-IGS13
REV. DATE: 25.JUL.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DISCOVERY IGS - GANTRY DELIVERY PATH

B-IGS14
REV. DATE: 26.JUN.13

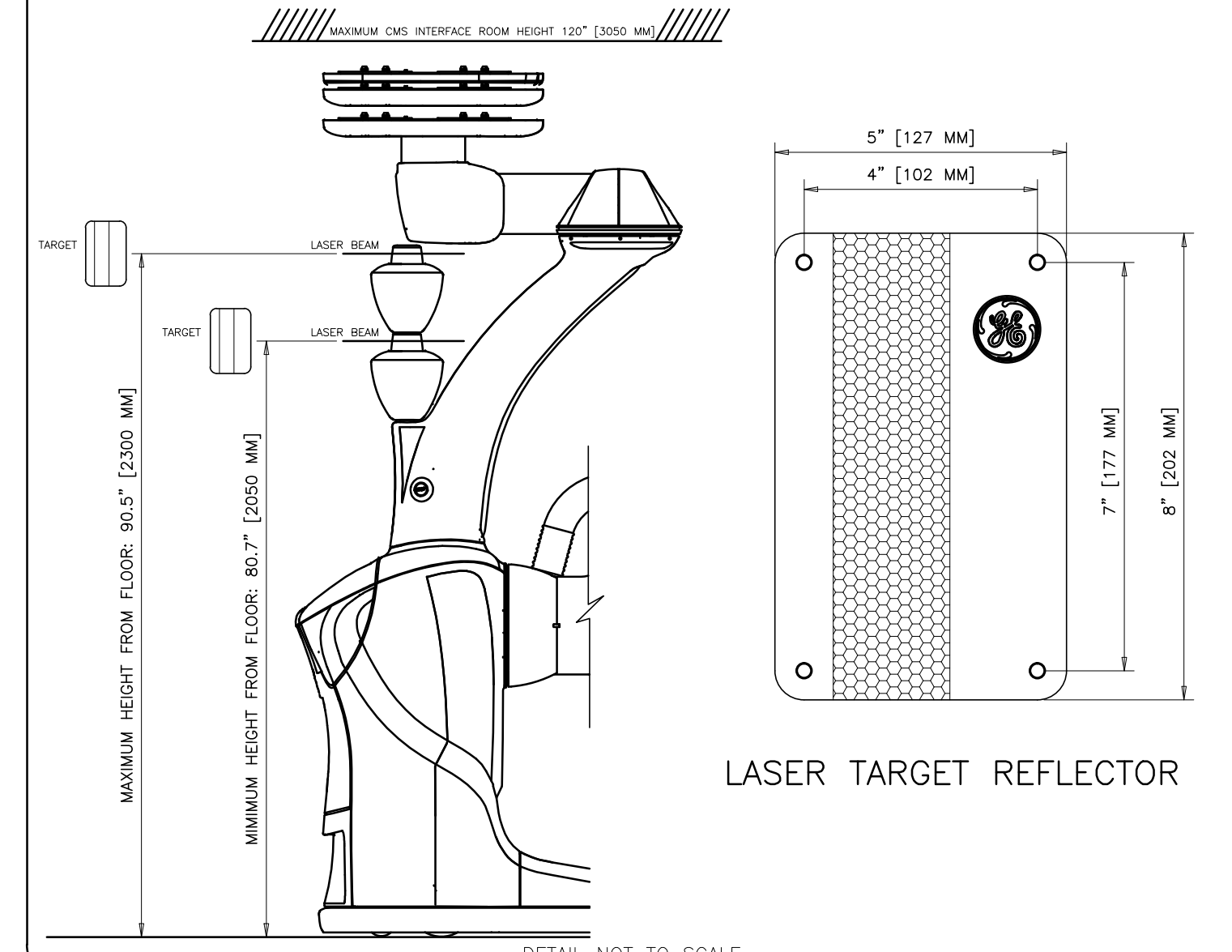


CORRIDOR WIDTH (FOR GANTRY ASSEMBLY)	DOOR SIZE (FOR GANTRY ASSEMBLY)
96" WIDE	55.5" OPENING

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LASER TARGET REFLECTOR

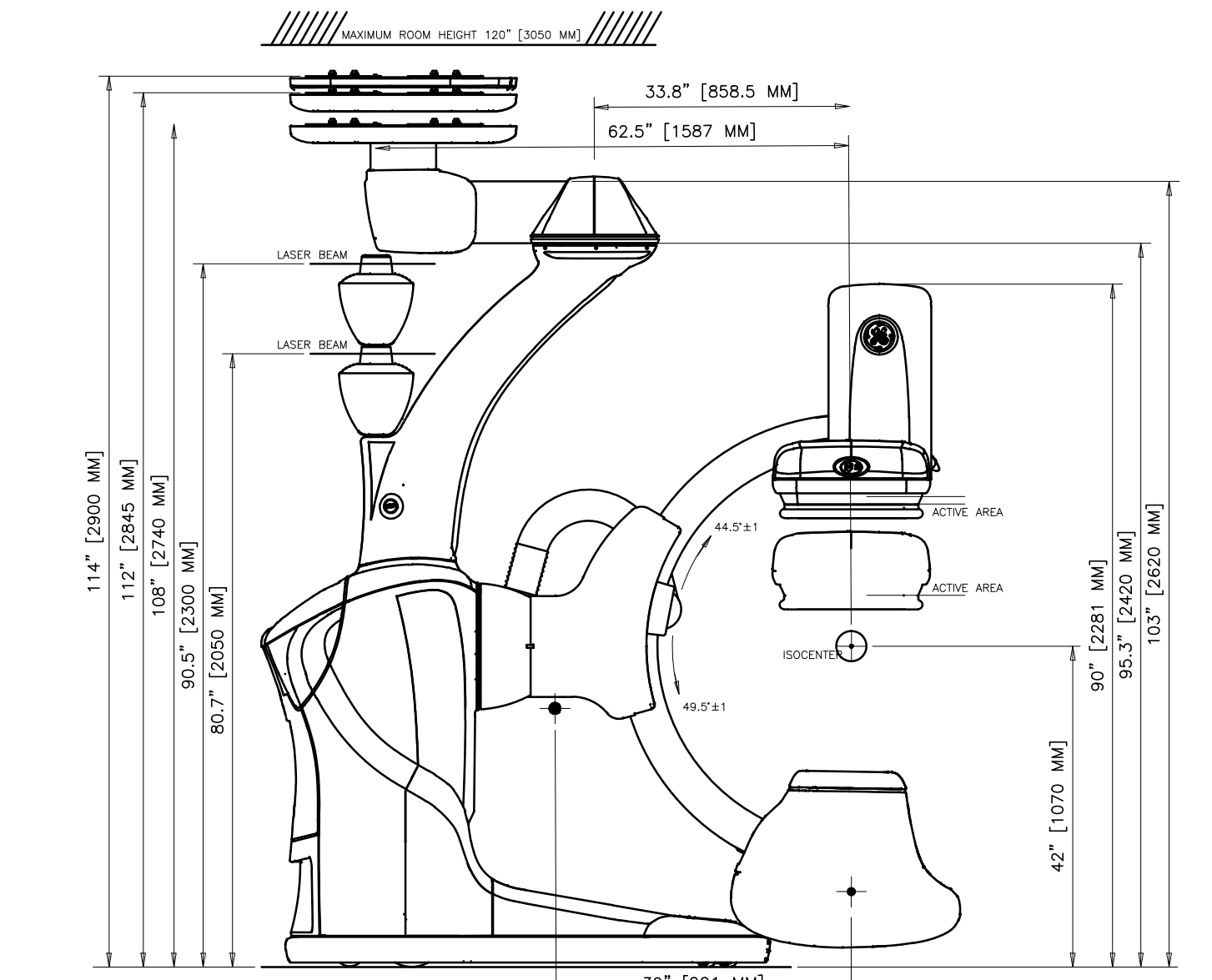
B-IGS07
REV. DATE: 09.AUG.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DISCOVERY IGS POSITIONER - SIDE VIEW

B-IGS02
REV. DATE: 19.APR.12



THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: DISCOVERY IGS

PROJECT TITLE:
INTERVENTIONAL O.R.

PROJECT	REVISION
4-88f	01

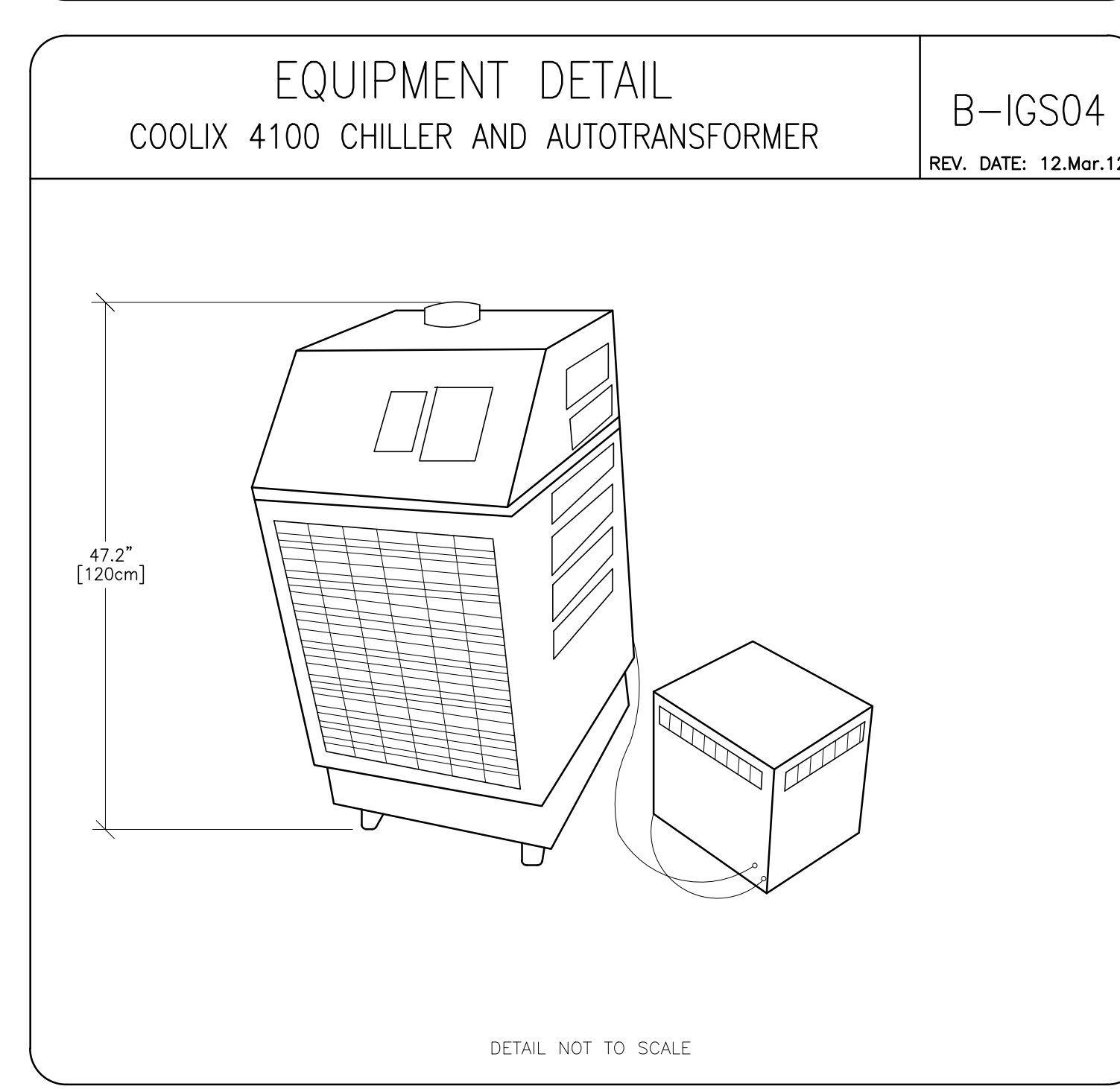
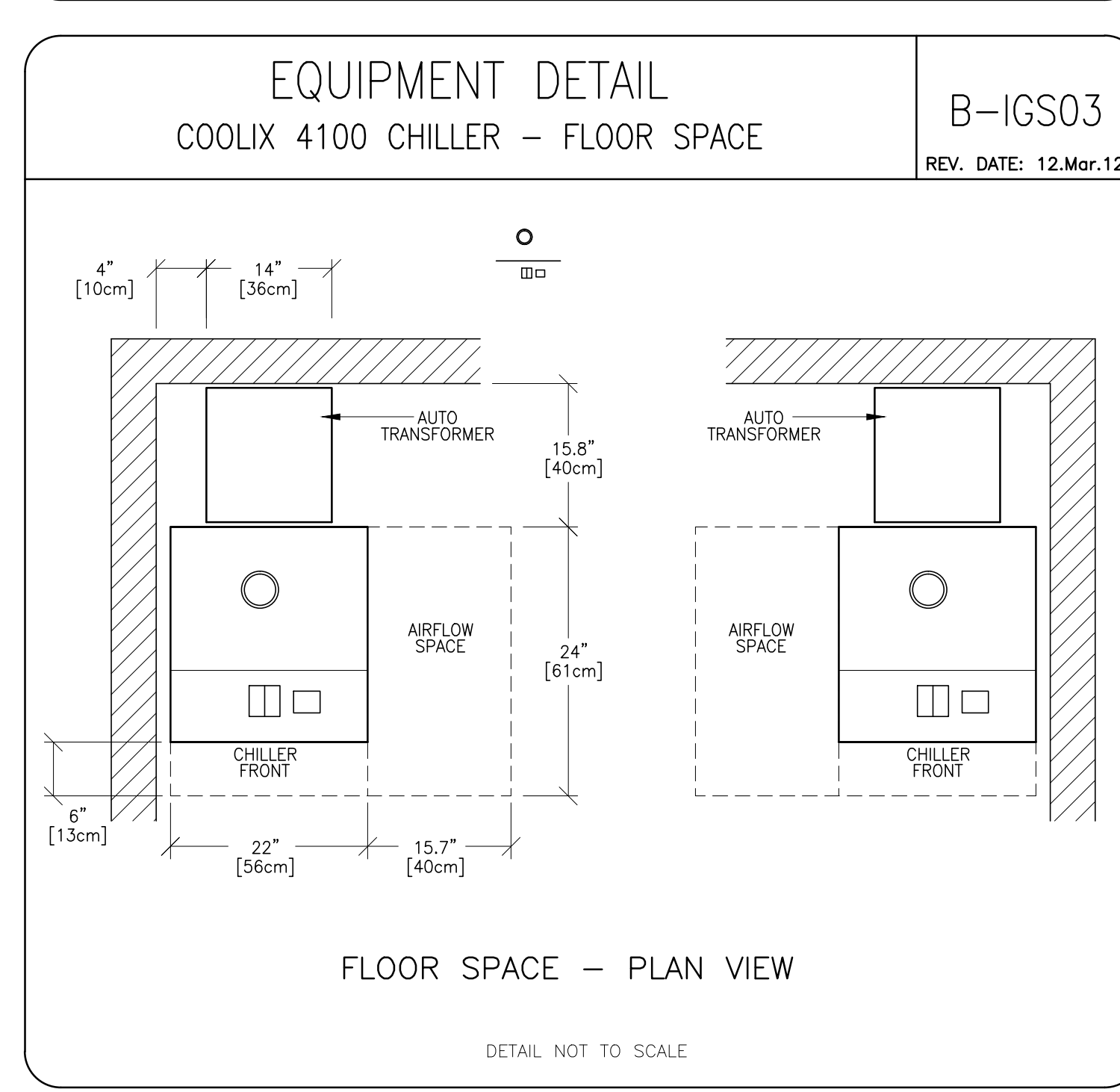
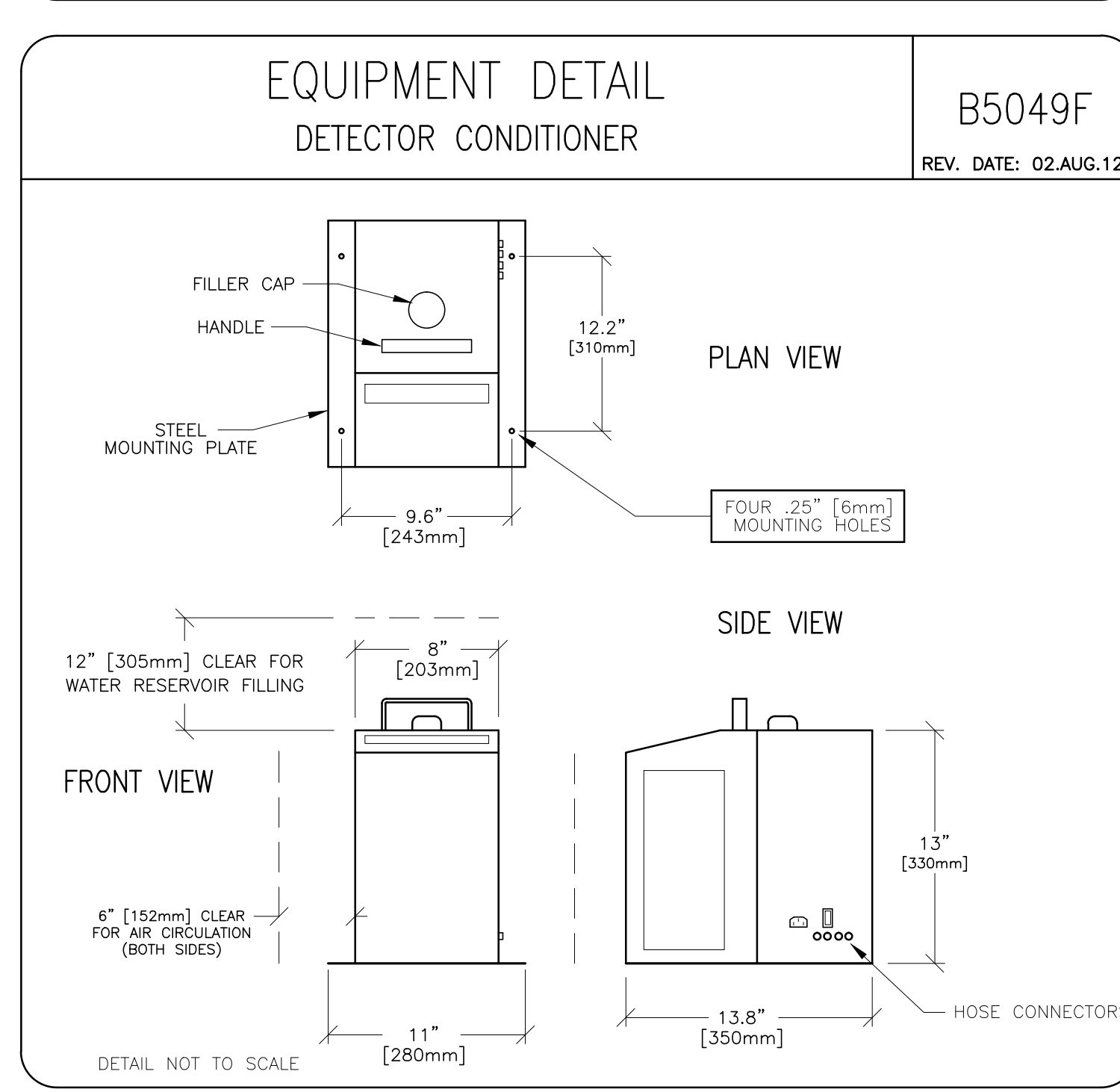
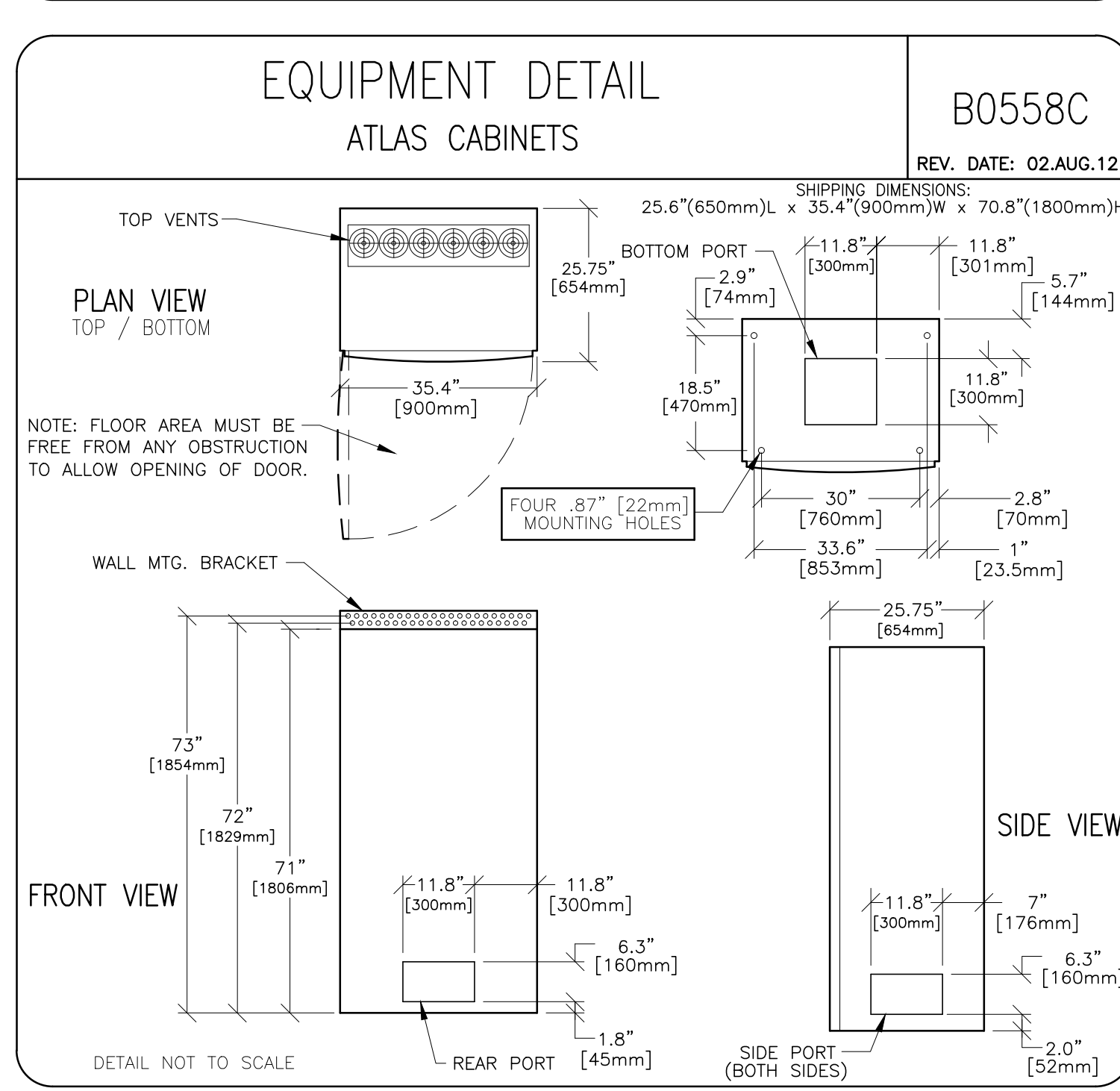
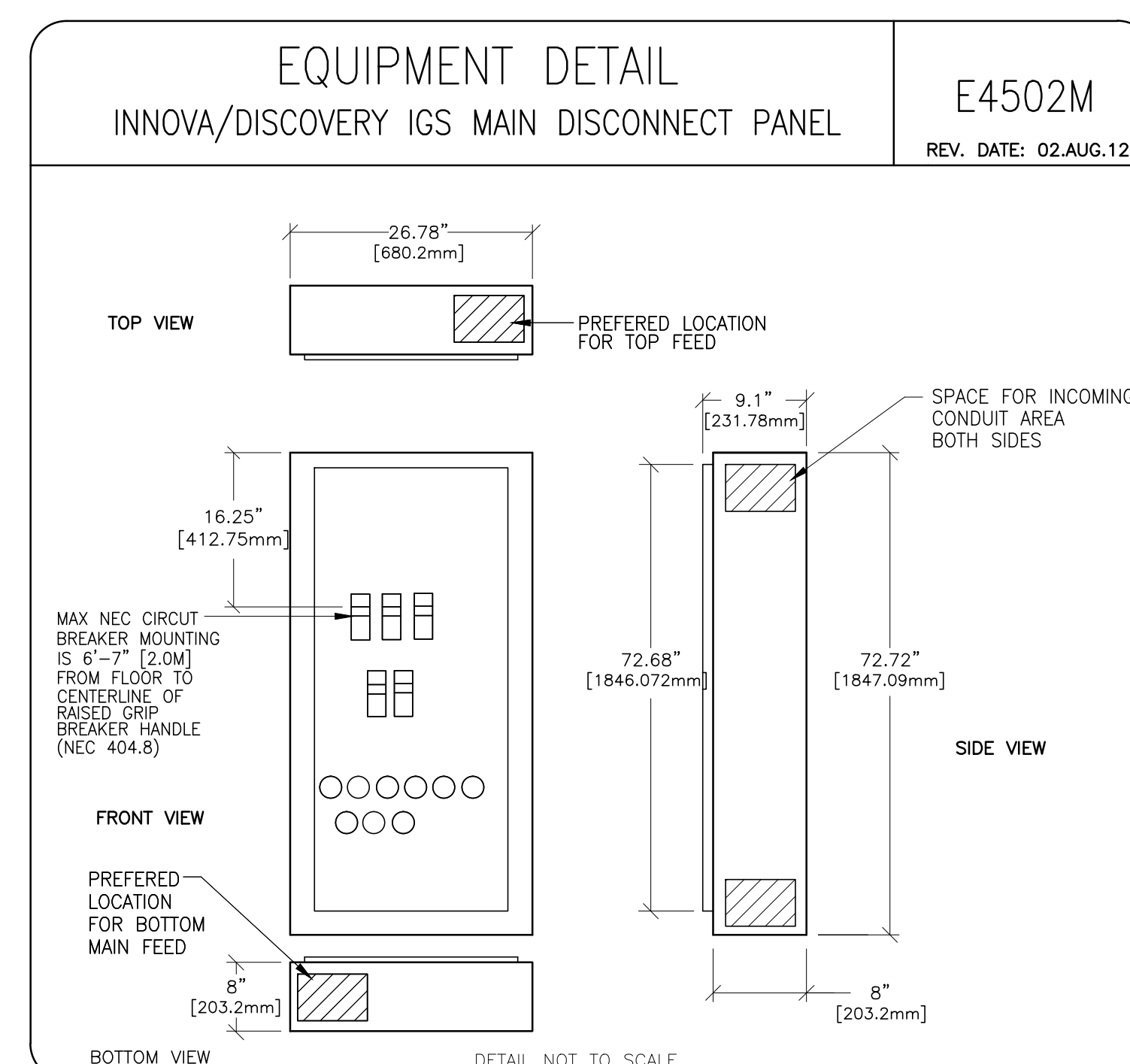
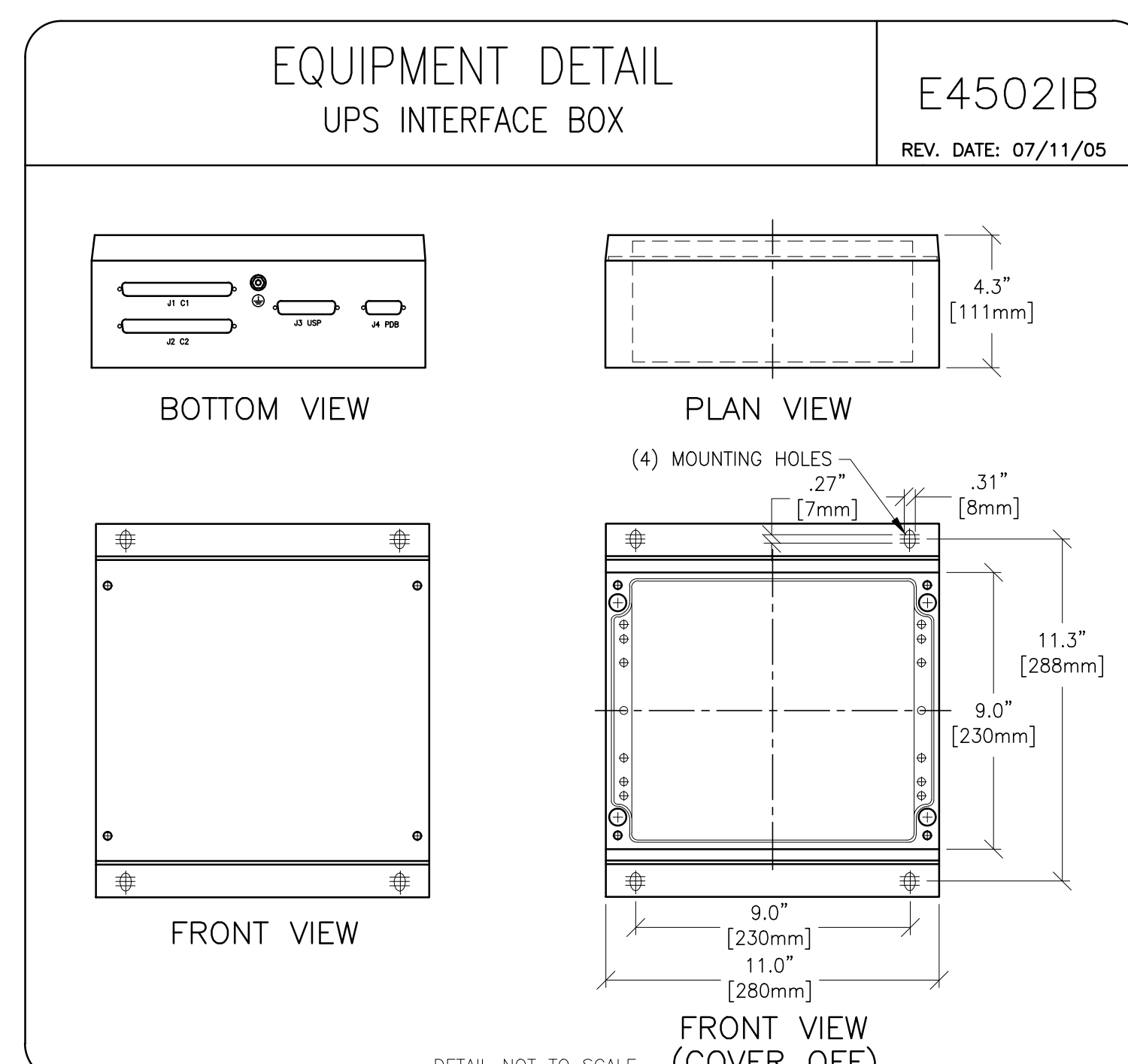
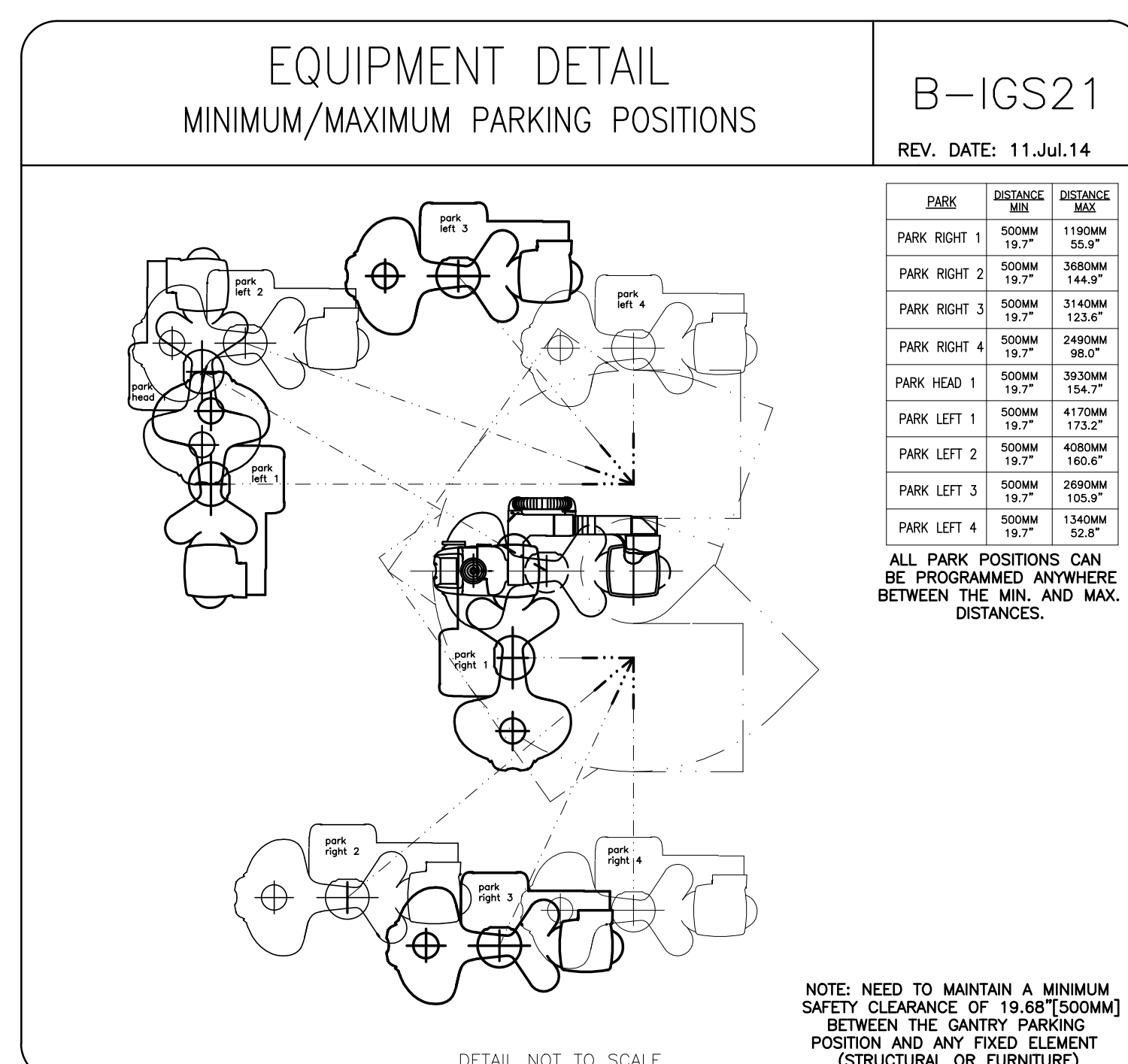
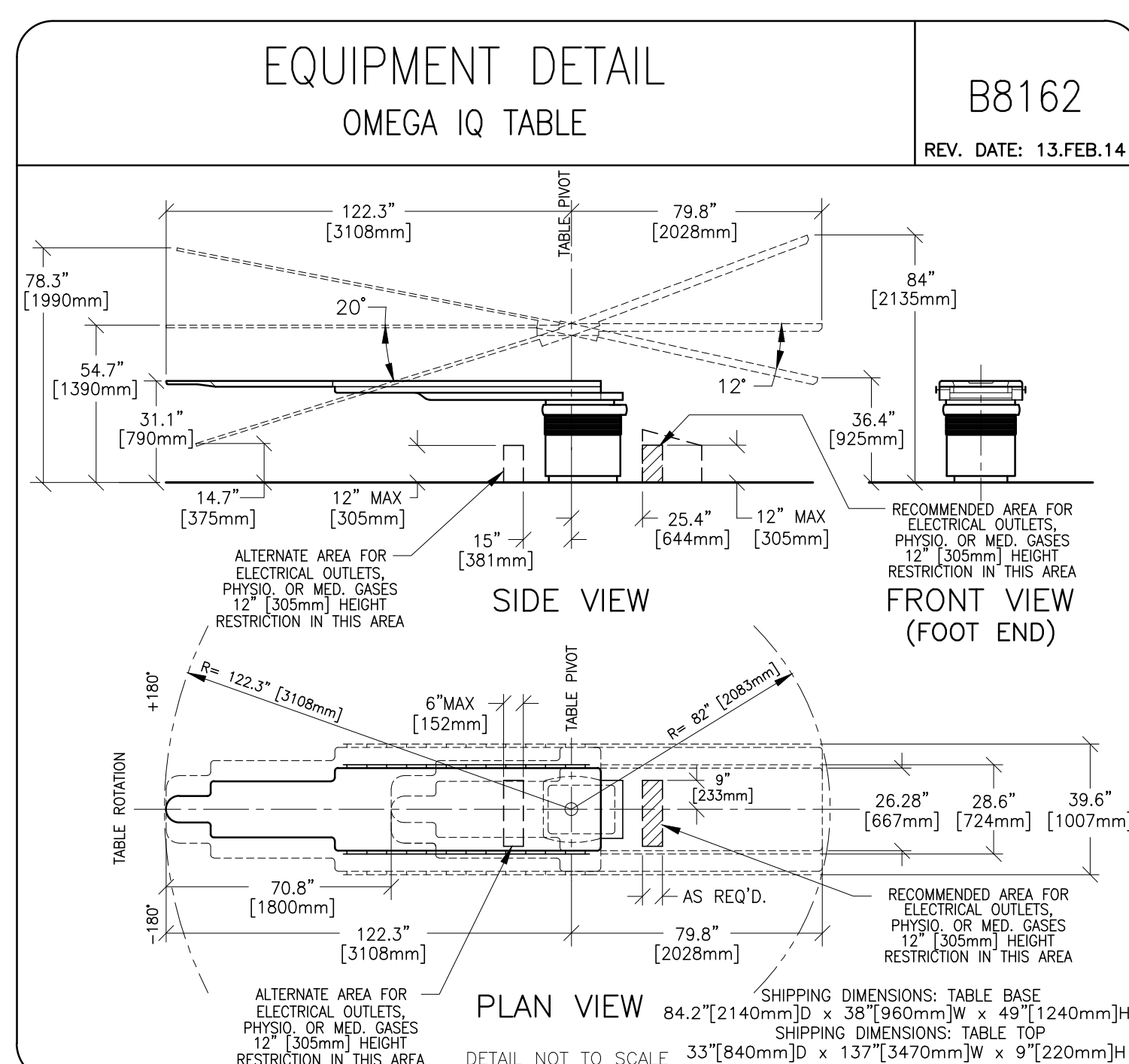
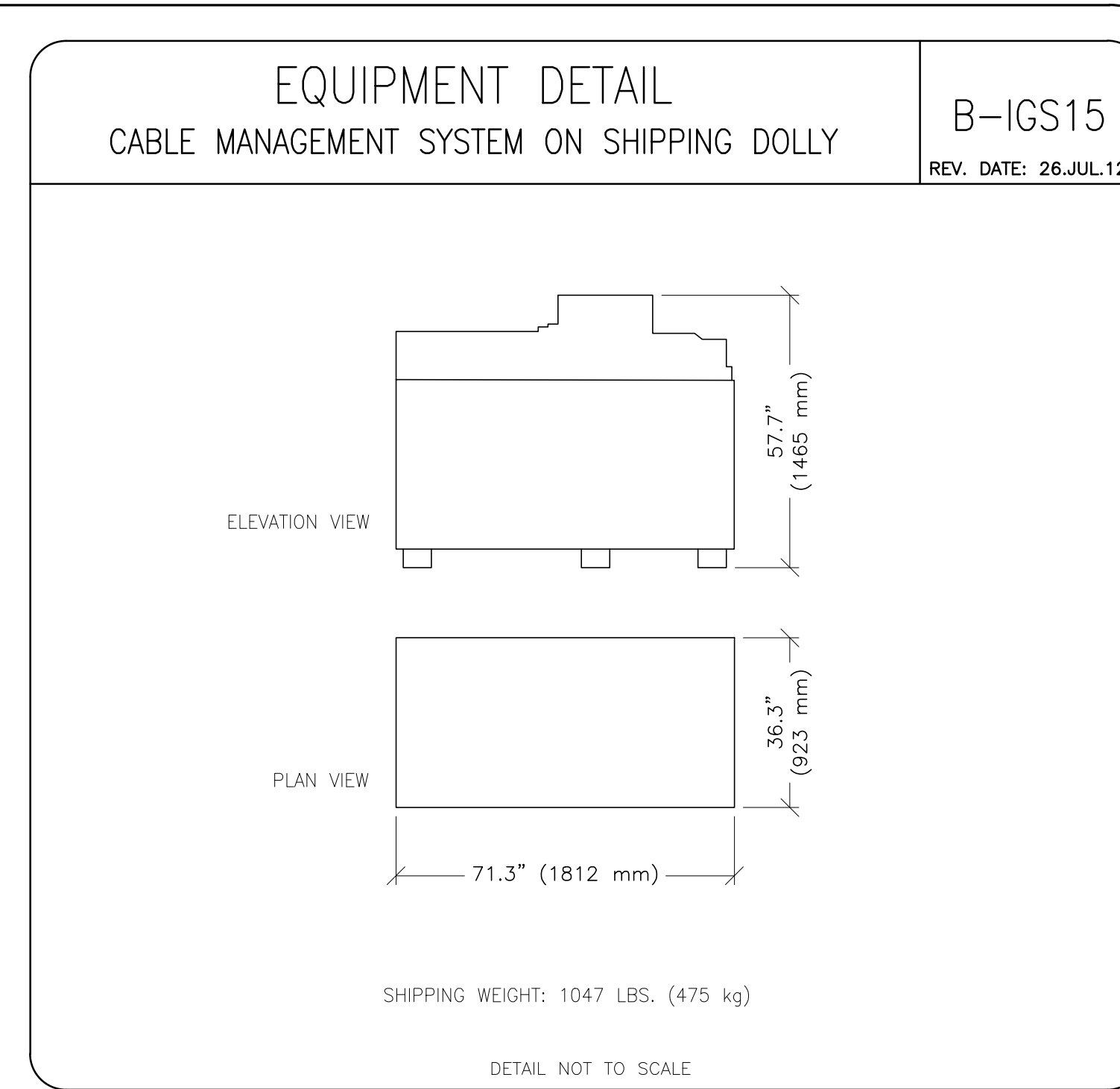
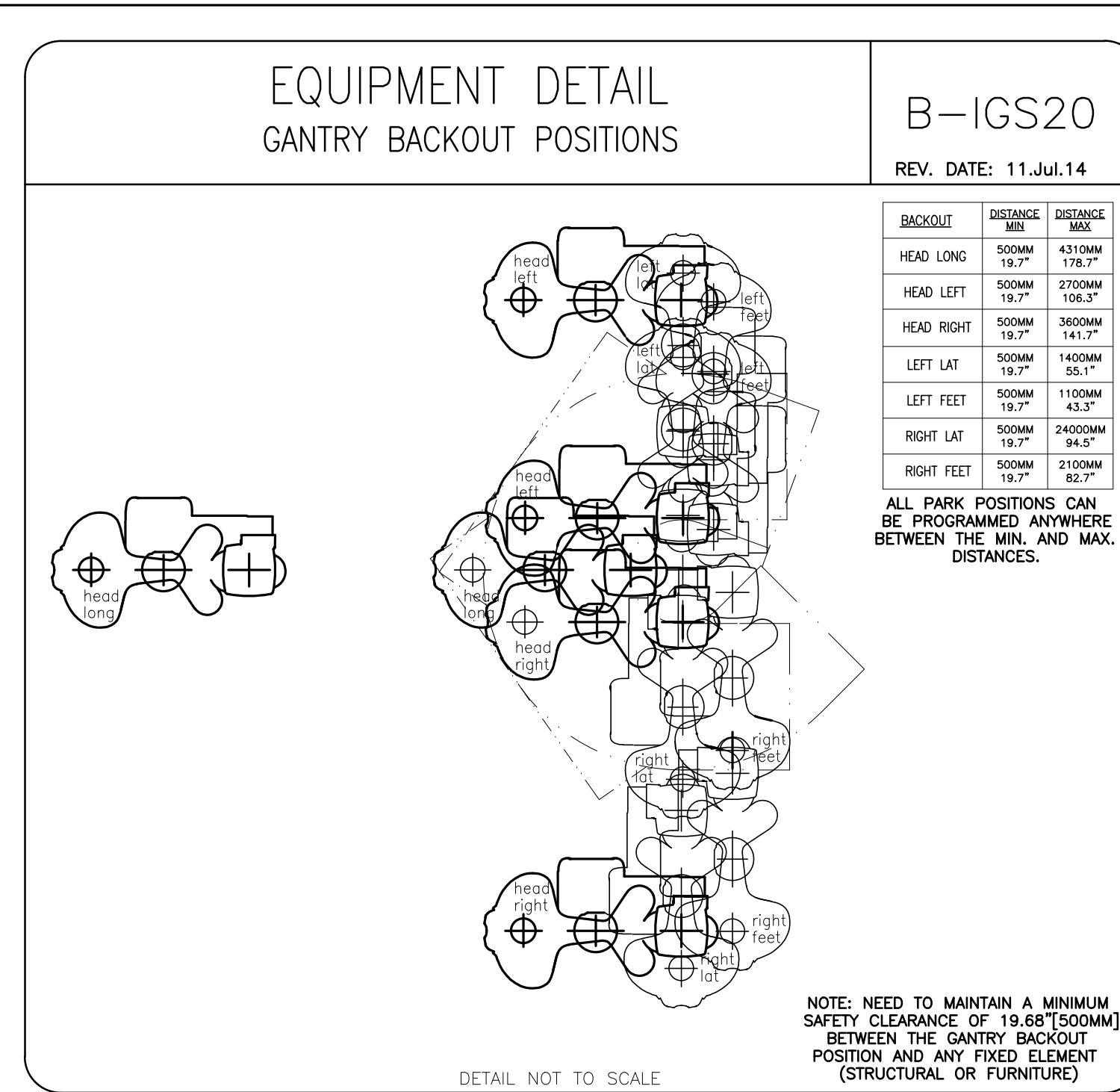
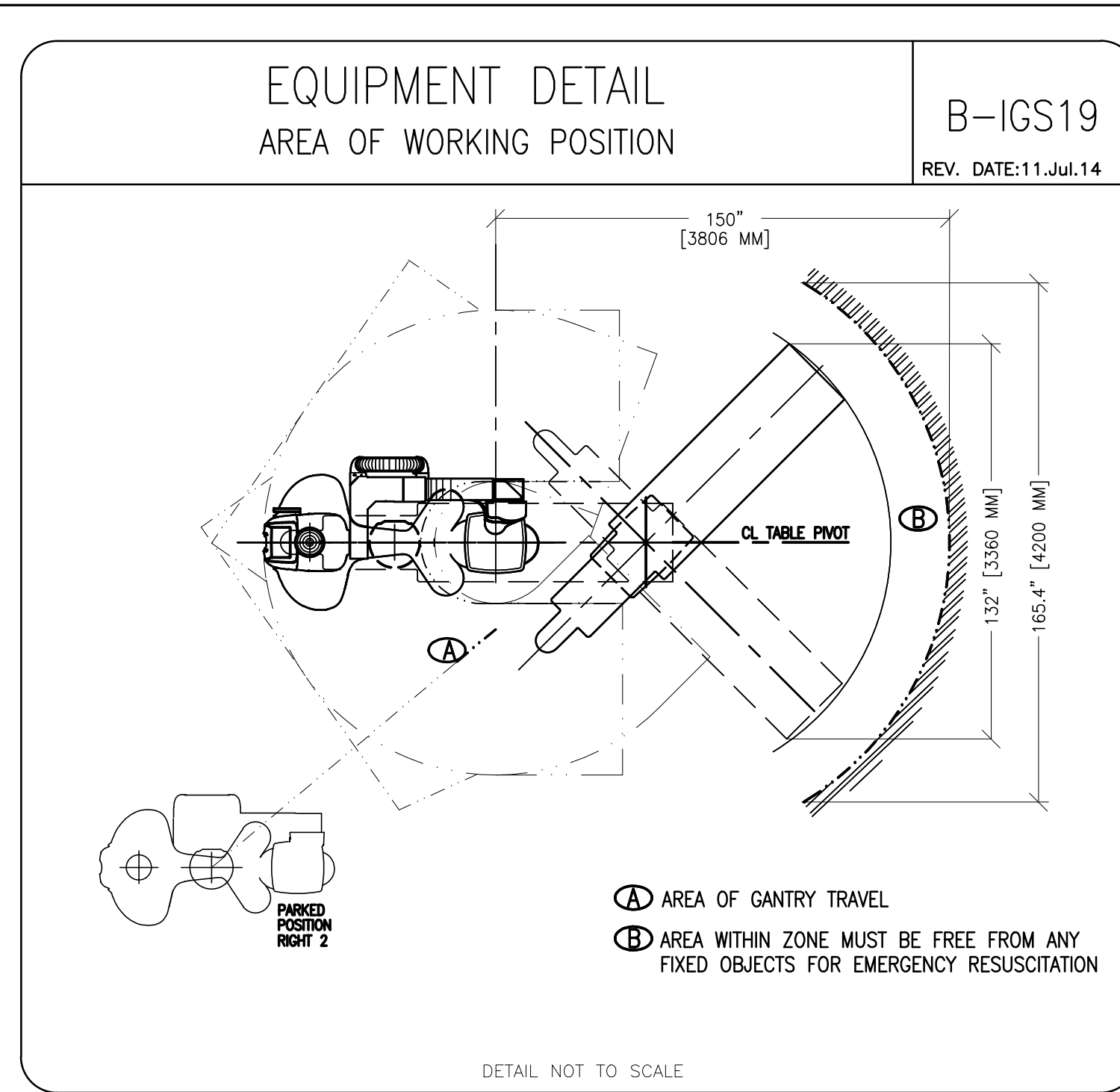
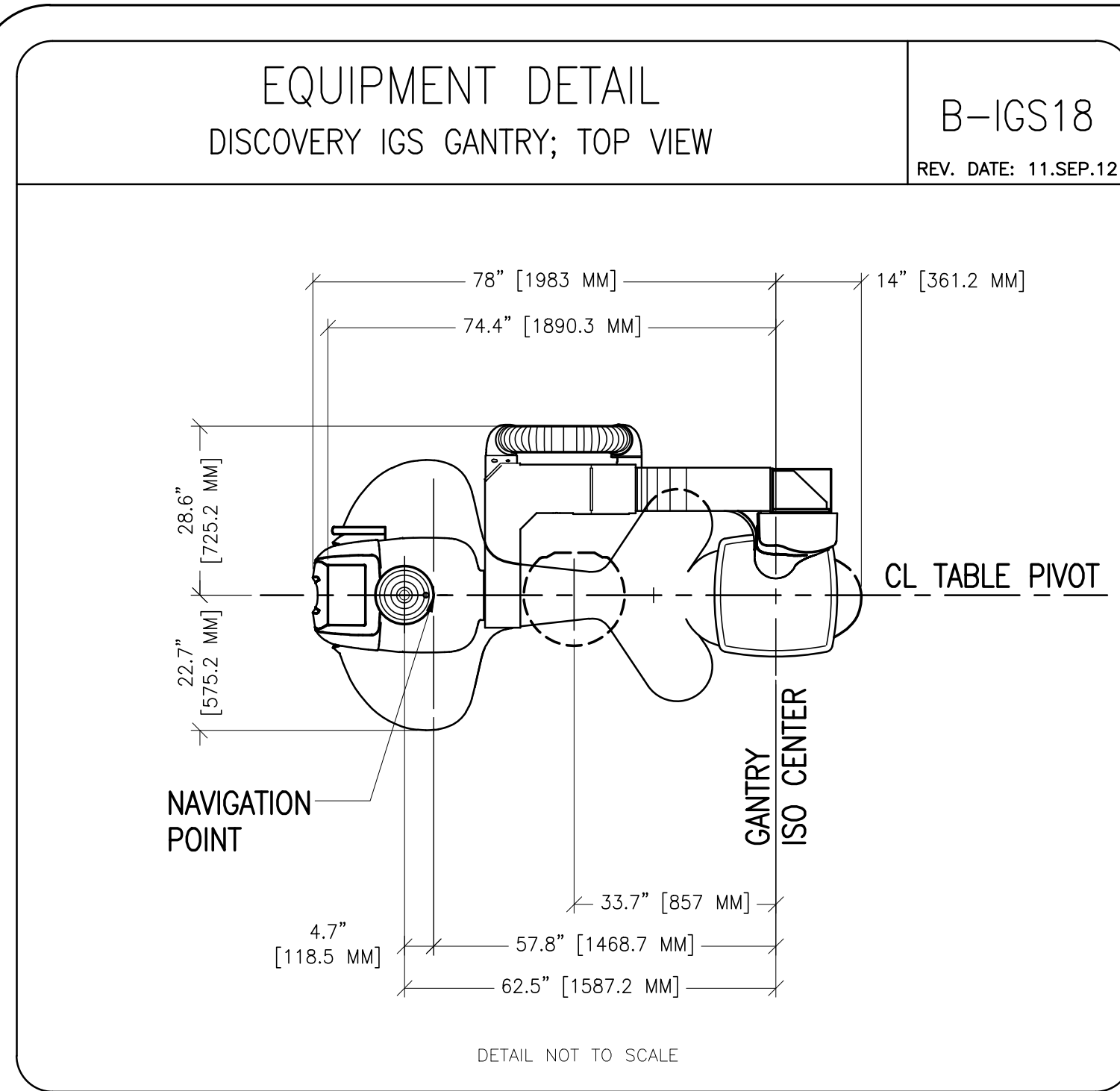
DATE: 22.Oct.15
DRAWN BY: SLR
CHECKED BY: TST

REVISION HISTORY:

SHEET
D1

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

PIM R1
RQ - 155701



PROJECT	REVISION
4-88f	01
DATE:	22.Oct.15
DRAWN BY:	SLR
CHECKED BY:	TST

EQUIPMENT DETAIL
COOLIX 4100 CHILLER AUTOTRANSFORMER

B-IGS05
REV. DATE: 12.MAR.12

FRONT VIEW
SIDE VIEW
PLAN VIEW

SIDE SPACE - ELEVATION VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DIGITAL ENERGY SG SERIES 10-20KVA UPS

E4502SG
REV. DATE: 05/10/05

TOP VIEW
BOTTOM VIEW
FRONT VIEW
SIDE VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
TABLESIDE CART

B-IGS06
REV. DATE: 12.APR.12

CART - FRONT VIEW
CART - SIDE VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LARGE DISPLAY CABINET

B2014
REV. DATE: 15.MAR.12

PLAN VIEW
SIDE VIEW
FRONT VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
3kVA UPS (LARGE DISPLAY SUBSYSTEM OPTION)

B2016
REV. DATE: 15.MAR.12

FRONT VIEW
PLAN VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
19" FLAT PANEL MONITOR ON WALL SUPPORT

C7619W
REV. DATE: 20.MAR.12

FRONT VIEW
SIDE VIEW
PLAN VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DL KEYPAD

C7412H
REV. DATE: 02.AUG.12

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
19" FLAT PANEL MONITOR WITH STAND

C7619D
REV. DATE: 20.MAR.12

FRONT VIEW
SIDE VIEW
PLAN VIEW

DETAIL NOT TO SCALE

TYPICAL CONTROL ROOM
SINGLE PLANE SYSTEM

B5050C
REV. DATE: 02.AUG.12

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
RCIM WITH DL KEYBOARD CONSOLE

C75-02
REV. DATE: 10/25/10

FRONT VIEW
SIDE VIEW
PLAN VIEW

PC TOWER XW6400
PC TOWER XW8200
KEYBOARD

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
ADVANTAGE WINDOWS WORKSTATION

M1013AW
REV. DATE: 20.MAR.12

ULTRASPARC STATION
KEYBOARD
19" FLAT PANEL MONITOR

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
19" FLAT PANEL MONITOR WITH STAND

C7619D
REV. DATE: 20.MAR.12

FRONT VIEW
SIDE VIEW
PLAN VIEW

DETAIL NOT TO SCALE

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: DISCOVERY IGS

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE MANUFACTURER'S DIMENSIONS AND TO THE USER'S OR ARCHITECT'S ACTUAL CONSTRUCTION PURPOSES. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL O.R.
MILWAUKEE, WISCONSIN

PROJECT	REVISION
4-88f	01
DATE:	22.Oct.15
DRAWN BY:	SLR
CHECKED BY:	TST

REVISION HISTORY:

SHEET
D3

RQ - 155701 PIM R1