

Drawing Index

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

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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 *

Innova IGS
Pre Installation Manual
5421046-1-1EN

A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the preIS 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 D0C0422752				
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 cryogen 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 54admin@GEHealthcare.com , that it is compliant with GEHC specifications. Dock box 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</u> . X-ray shielding plan and state acknowledgment letter provided to installer for <u>AR, DC, NC, SC, CO</u> .
4				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.
5				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.
6				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).
7				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.
8				Electrical Requirements: Lockable (LOTO) Main Disconnect Panel (MDP) 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.
9				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.
10				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.
11				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 ties installed per PIM discretion.
12				Staging Requirements: Space has been identified to support the active installation process only. This area meets PIM/project book requirements.
13				Storage Requirements: Storage space has been identified, if needed. This secured space would be used to store equipment indefinitely. If affixed, transportation plan has been developed at customer expense. This space must meet PIM requirements.
				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.
				Medical Gases Requirements: Systems (hard pipe 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: INNOVA IGS 520, 530, 540
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 DRAWING TO THE PROJECT AND TO THE COMPANY'S ACTUAL CONSTRUCTION PRACTICES AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68f	00
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	TST

REVISION HISTORY:

SHEET
C1

PIM R2 RQ - 140190

GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR GON WAS ISSUED AT THE DATE OF THESE DRAWINGS
 NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.

EQUIPMENT CROSS REFERENCE CHART
 P = PREAPPROVAL
 C = CALCULATIONS/ PENDING APPROVAL
 S = SPECIFICATIONS ONLY

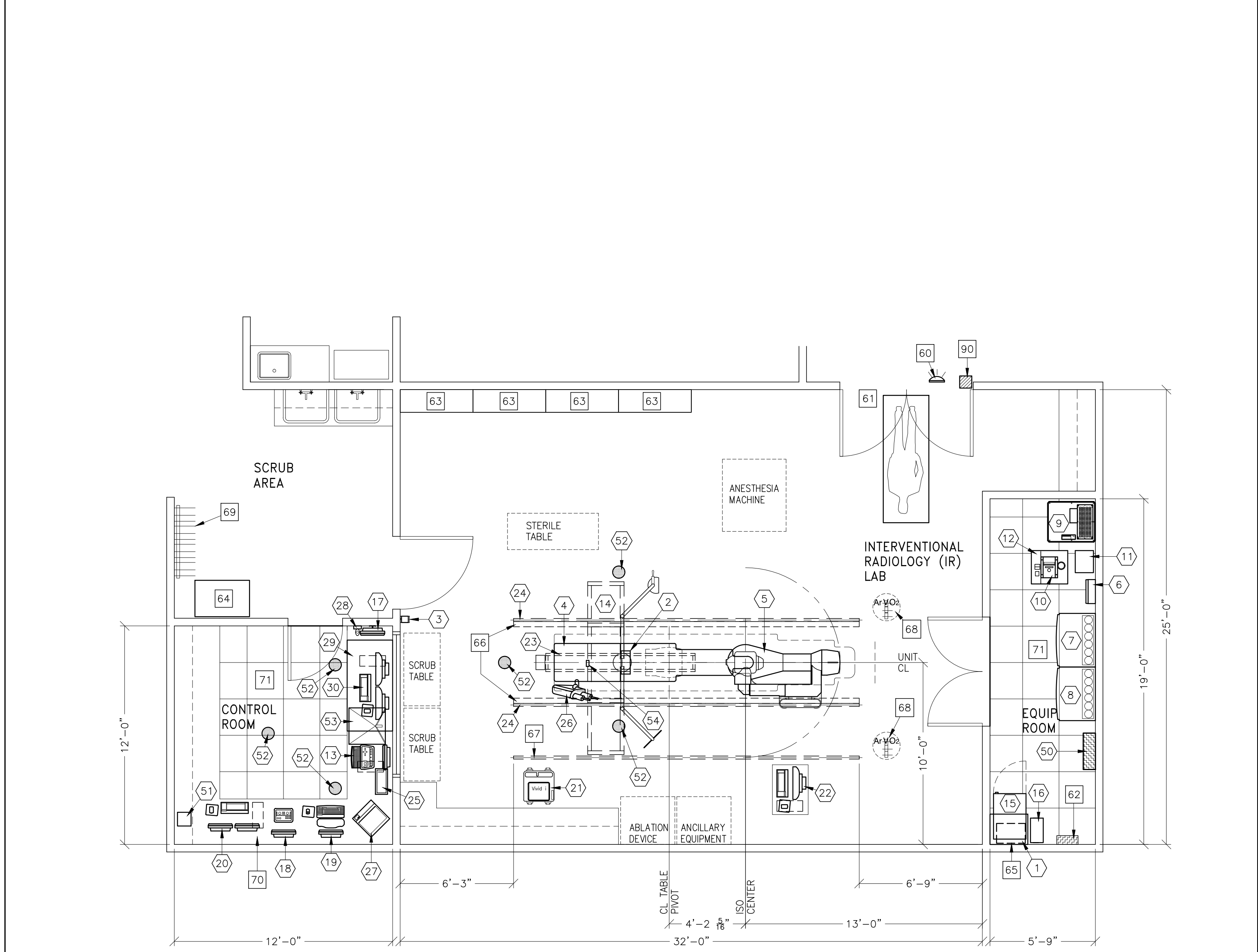
ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN
1	1		INJECTOR ELECTRONICS	37 lbs	320 btu	B5028	---	1E S
2	1		TRAM NET RACK	8 lbs	3389 btu	B5047	---	TRAM S
3	1		KR BUZZER (LOCATED ABOVE CEILING)	2 lbs		B5150H	---	KRB -
4	1		INNOVA IQ TABLE	1750 lbs	614 btu		B5049N	LUS C
5	1		INNOVA POSITIONER (REFERENCE TABLE BASE-PLATE DETAIL FOR FLOOR MOUNTING INFORMATION)	1653 lbs	2416 btu	B5050A B5050B B5050C B5050E B5050F B5050G B5050H B5050J B5050P B5050R	---	LC1 C
6	1		UPS INTERFACE BOX			E4502IB	---	UIB -
7	1		ATLAS CABINET (C2)	659 lbs	1825 btu	B0558C	S100	C2 C
8	1		ATLAS CABINET (C1)	1115 lbs	3389 btu	B0558C	S100	C1 C
9	1		UPS CABINET	1170 lbs	4061 btu	E4502SC	---	UPS -
10	1		DETECTOR CHILLER	33 lbs	706 btu	B5049F	---	DC S
11	1		COOLIX 4100 AUTOTRANSFORMER	66 lbs	238 btu	B-1G505	---	AT -
12	1		COOLIX 4100 WATER CHILLER	264 lbs	18730 btu	B-1G503 B-1G504	---	CHLR C
13	1		IVUS VOLCANO S51 CONSOLE, INCLUDES FLAT PANEL MONITOR AND KEYBOARD (DESK MOUNTED)	68 lbs	1631 btu	B551	---	IVUS -
14	1		LARGE DISPLAY MONITOR ON SINGLE MONITOR SUSPENSION (9 FT x 6 IN. INBOARD BRIDGE MOUNT TWO GE MONITORS ON BACKSIDE OF LD MONITOR)	784 lbs	1706 btu	B2004 B2015	---	LDM WBM1 C
15	1		LARGE DISPLAY MONITOR CABINET	253 lbs	3412 btu	B2014	---	LDC C
16	1		3 KVA UPS CABINET (LARGE DISPLAY SUBSYSTEM OPTION)	77 lbs	546 btu	B2016	---	UPS3 C
17	1		19 IN. MONITOR ON WALL SUPPRT	26 lbs	204 btu	C7619W	---	WBMS C
18	1		CONTROL ROOM MONITOR WITH DL KEYPAD	22 lbs	204 btu	C7412H C7617	---	S
19	1		OPERATORS CONSOLE	22 lbs	546 btu	C7617 M1013AN B5050C	---	WBC1 C
20	1		AW WORKSTATION	81 lbs	1201 btu	C7617	---	C
21	1		VIVID I ULTRASOUND UNIT (ON SAFELOCK CART)			B0572	---	-
22	1		NURSING NOTES WORKSTATION	46 lbs	682 btu		---	S
23	1		COUNTERBALANCED EYE AND THYROID SHIELD WITH R96 LAMP	143 lbs		B5031E	B5031F	LMP S
24	2		LONGITUDINAL STATIONARY RAIL FOR XT SUSPENSION	68 lbs			B2007B	C
25	1		REMOTE CONTROL FOR INJECTOR	4 lbs		B5028	---	1EC S
26	1		INJECTOR HEAD ON TABLE RAIL	15 lbs		B5030A	---	1H S
27	1		IVUS VOLCANO COLOR PRINTER				---	-
28	1		BOLUS CHASE HANDSWITCH	2 lbs			---	WBBC -
29	1		WORKSTATION CART				---	-
30	1		MAC-LAB CONSOLE, INCLUDES MONITORS AND KEYBOARD	566 lbs	2935 btu		---	PC S

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

50	1		INNOVA MAIN DISCONNECT, REFERENCE JUNCTION POINT "PDB" ON SHEET E1 FOR DETAILED DESCRIPTION.	326 lbs	1532 btu	E4502M	---	PDB -
51	1		VITALING CONSOLE			B0566	---	-
52	1		VITALING SPEAKER				---	-
53	1		VITALING MICROPHONE				---	-
54	1		VITALING MICROPHONE (ONE ON MONITOR BRIDGE IN EXAM ROOM)				---	-

EQUIPMENT LAYOUT RECOMMENDED CEILING HEIGHT = 9'-6"

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.



ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABW-DF-XIU
61	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W x 89 IN. H (1118mm x 2108mm). CONTINGENT ON A 96 IN. (2438mm) CORRIDOR WIDTH
62	150-AMP LOCAL SERVICE DISCONNECT FOR LOCK-OUT/TAG-OUT CAPABILITY (MAY BE A FUSED DISCONNECT, CIRCUIT BREAKER OR SAFETY SWITCH.)
63	CATHETER CABINETS
64	CUSTOMER SUPPLIED STORAGE CABINET
65	SHELF - CUSTOMER TO PROVIDE ADEQUATE WALL SUPPORT BEARING BLOCK OUTLINE, SEE S1 FOR MORE INFORMATION.
66	CABLE DRAPE RAIL.
67	MED GASES IN CEILING
68	LEAD APRON RACK
69	COUNTER TOP FOR EQUIPMENT - MINIMUM DEPTH 30 IN. OR ADDITIONAL SHELVING MAY BE REQUIRED. PROVIDE GROMMETTED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
70	FLUSH ACCESS FLOORING
71	

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

90	X-RAY ROOM WARNING LIGHT/ROOM LIGHTING CONTROL PANEL REFERENCE JUNCTION POINT "XRLC" ON SHEET E1 FOR DETAILED DESCRIPTION -CAT. NO. E4502SS FOR WARNING LIGHT & ROOM LIGHT CONTROL.
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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

- AMBIENT OPERATING TEMPERATURE: EQUIPMENT ROOM WITH FLUORO UPS OPTION 68° TO 77° F. (20° TO 25° C)
- AMBIENT OPERATING TEMPERATURE: CONTROL ROOM 68° TO 77° F. (20° TO 25° C)
- AMBIENT OPERATING TEMPERATURE: EXAM ROOM-DESIGN FOR PATIENT/OPERATOR COMFORT TARGET TEMPERATURE 64° F (18° C)
- HUMIDITY: 30° TO 75° FOR EQUIPMENT AND CONTROL ROOMS AND 30° TO 70° FOR EXAM ROOM
- ALTITUDE: NOT TO EXCEED 9,842 FT. (3000M) ABOVE SEA LEVEL.
- THE ENVIRONMENT FOR THE ELECTRONICS CABINET MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.
- DO NOT RESTRICT THE AIR INTAKE OR AIR EXHAUST OF THE SYSTEM COMPONENTS.
- ENVIRONMENTAL CONDITIONS LISTED ABOVE MUST BE MAINTAINED AT ALL TIMES INCLUDING FOR EXAMPLE OVERNIGHT, WEEKENDS, AND HOLIDAYS.

MAGNETIC INTERFERENCE SPECIFICATIONS

IMAGE INTENSIFIERS 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, WI

SHEET TITLE: **EQUIPMENT LAYOUT**
 MODALITY TYPE: **INNOVA IGS 520, 530, 540**
 THIS PLAN IS SUBMITTED TO SUPPORT 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 ACTUAL CONSTRUCTION PURPOSES, DIMENSIONS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL RADIOLOGY
 TYPICAL FINAL DRAWINGS

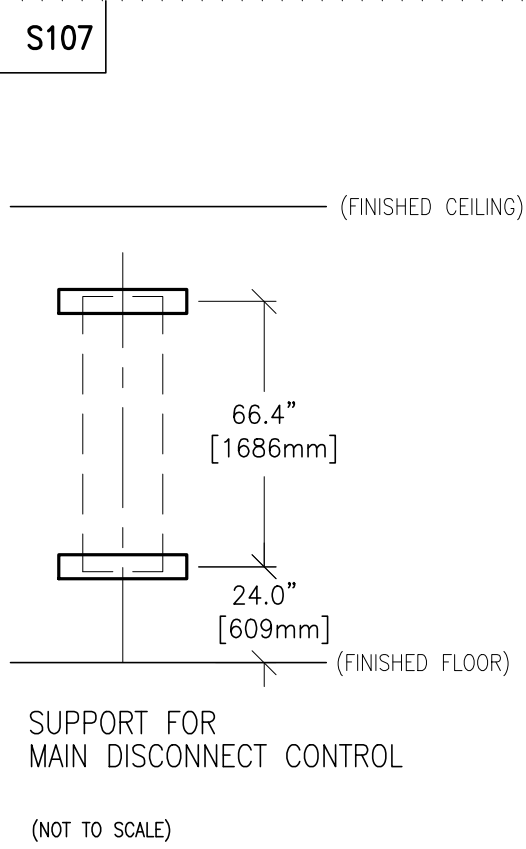
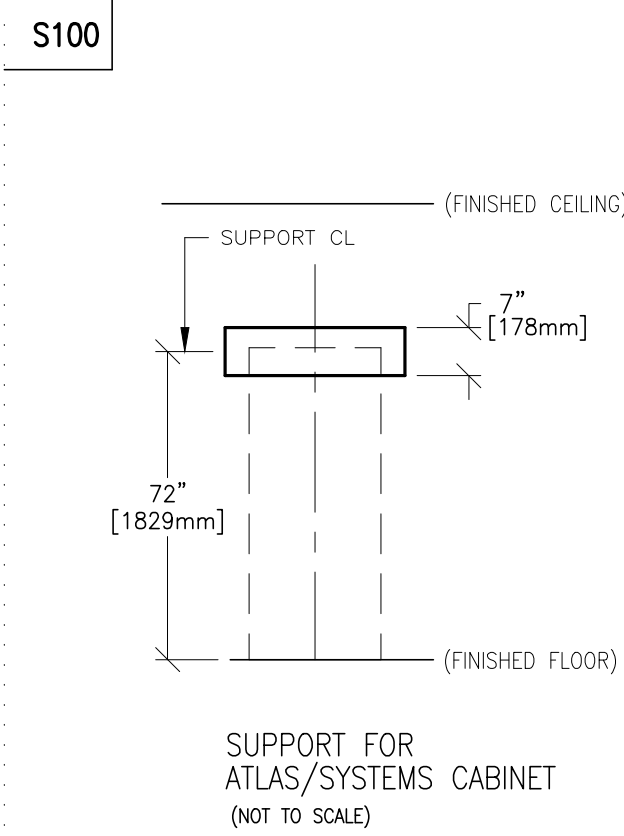
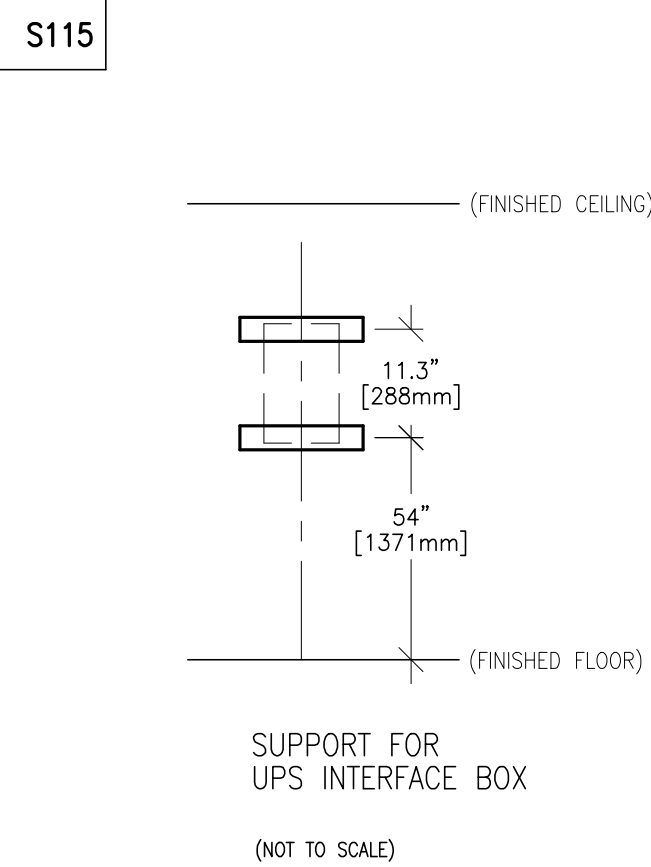
PROJECT	REVISION
4-68F	00

DATE: **18.Dec.13**
 DRAWN BY: **JPH**
 CHECKED BY: **TST**

REVISION HISTORY:

SHEET
A1

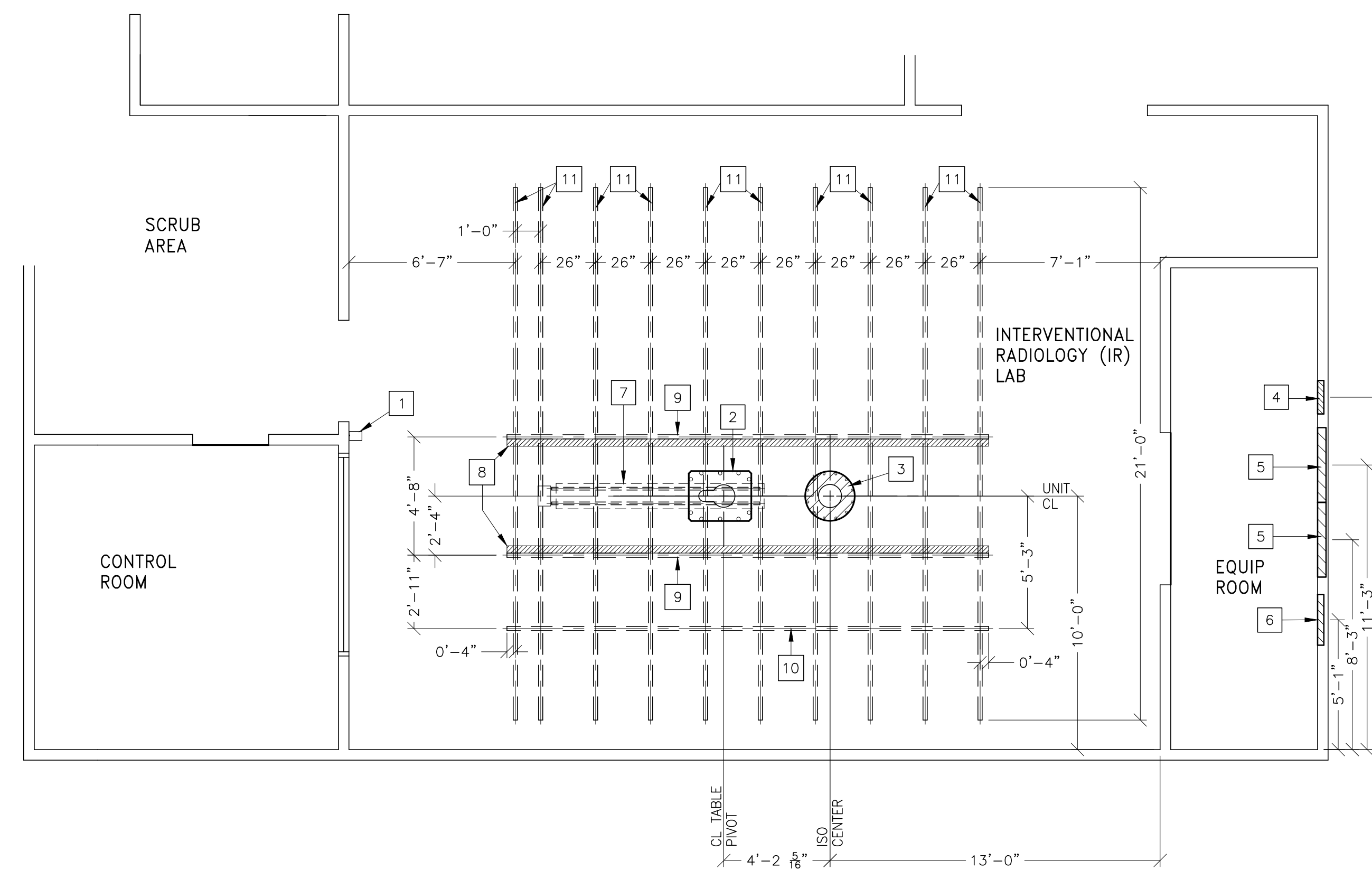
TYPICAL WALL SUPPORT ELEVATIONS



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

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-6"



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	AREA OCCUPIED BY GE SUPPLIED TABLE BASEPLATE
3	AREA OCCUPIED BY GE SUPPLIED POSITIONER BASEPLATE
4	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S115, FOR UPS INTERFACE BOX.
5	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S100, FOR ATLAS CABINET.
6	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S107, FOR MAIN DISCONNECT CONTROL.
7	AREA OF RADIATION SHIELD TRACK, ATTACHED TO UNISTRUT
8	HATCHED AREA INDICATES MONITOR BRIDGE BEARING BLOCK PATH.
9	STATIONARY RAILS ATTACHED TO UNISTRUT GRID IN CEILING.
10	>>COMPONENTS BELOW CEILING<< CABLE DRAPE RAIL, UNISTRUT CAT. NO. CPG55 OR EQUIVALENT. *TO ORDER, CALL UNISTRUT WISCONSIN AT 262-796-8710.
11	UNISTRUT OR EQUIVALENT SUPPORT IN CEILING FOR FASTENING CEILING SUPPORTED EQUIPMENT. SUPPORTS TO 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 THE FINISHED CEILING. RAILS ARE MOUNTED TO THESE SUPPORTS EVERY 2'-0" AND REQUIRE 350 LBS. (159 KG) IN SEISMIC REGIONS, PER BOLT LOAD. METHODS OF SUPPORT THAT PERMIT ATTACHMENT TO STRUCTURAL STEEL THROUGH BOLTS IN CONCRETE SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION.

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.
(10) 12.7mm (1/2") DIA. x 38.1mm (1 1/2") LONG BOLTS WITH UNISTRUT 12.7mm (1/2") NUTS WITH SPRINGS ARE TO BE PROVIDED BY CUSTOMER OR HIS CONTRACTORS FOR EACH STATIONARY AND AUXILIARY SUPPORT RAIL. 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"

GE Healthcare

Healthcare Project Implementation - Design Center
Manufacture

SHEET TITLE: STRUCTURAL LAYOUT

MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO SUPPORT 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 REVISIONS OF THE GE CONSTRUCTION SPECIFICATIONS. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL RADIOLOGY

TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68f	00

DATE: 18.Dec.13

DRAWN BY: JPH

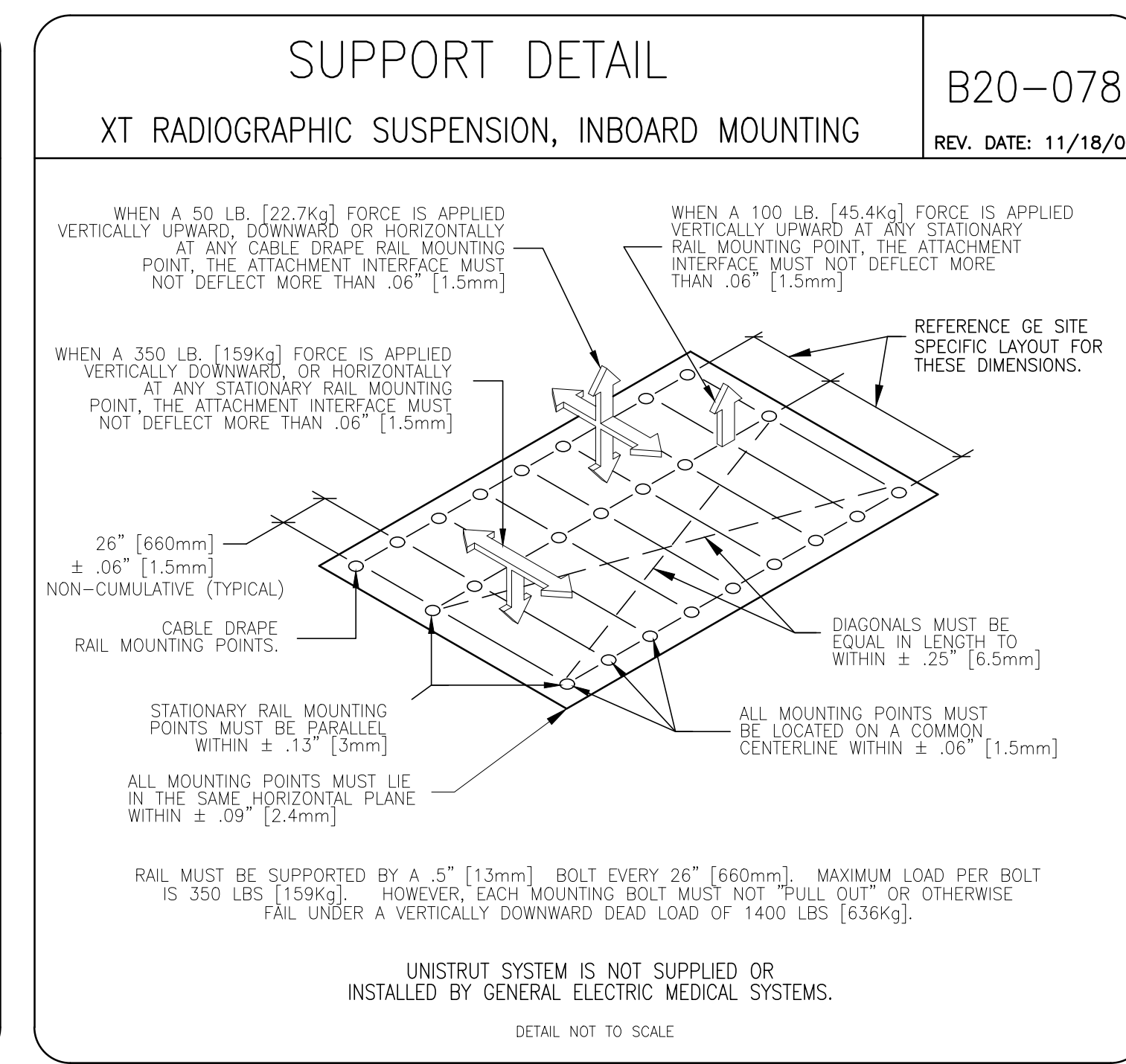
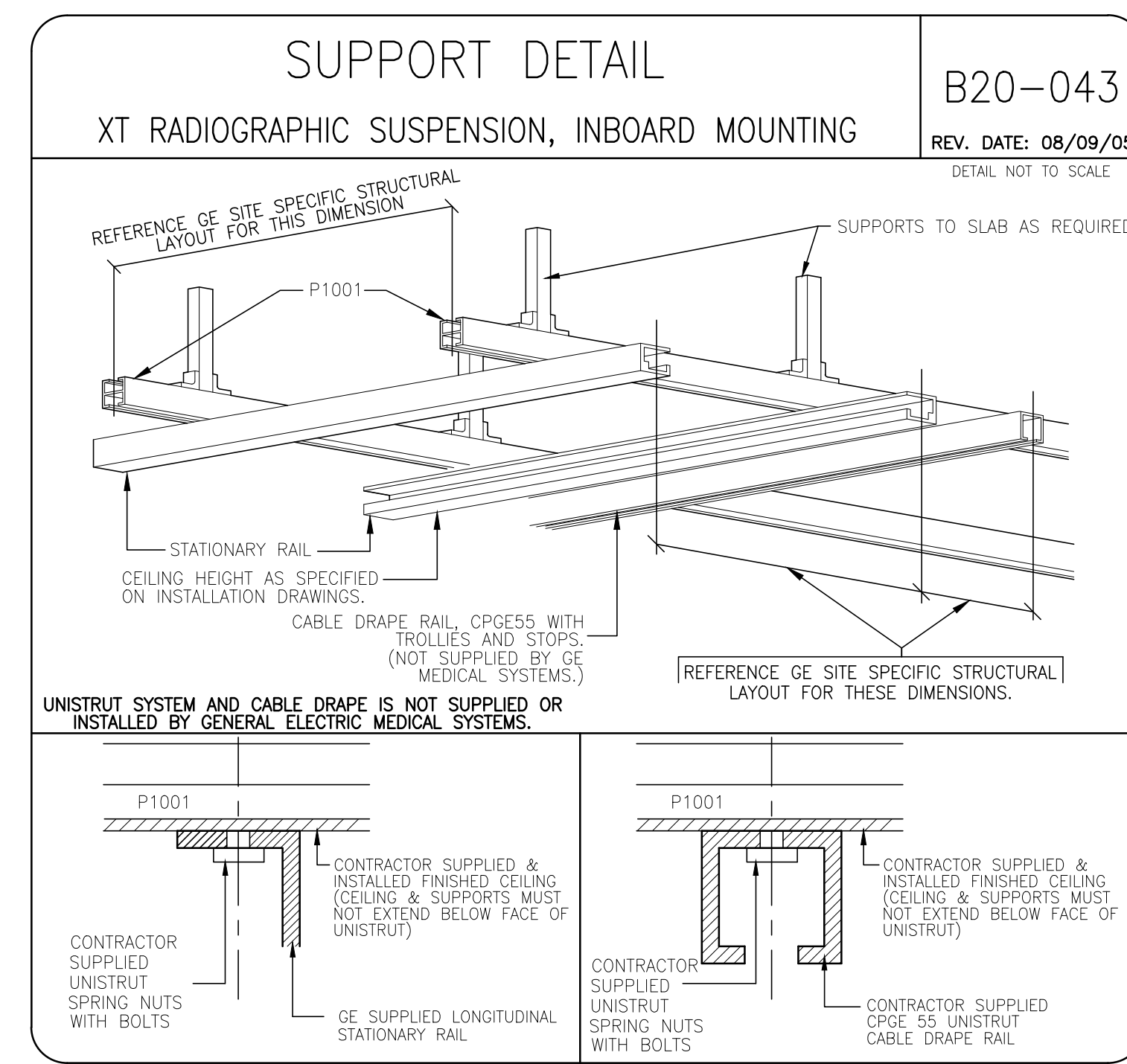
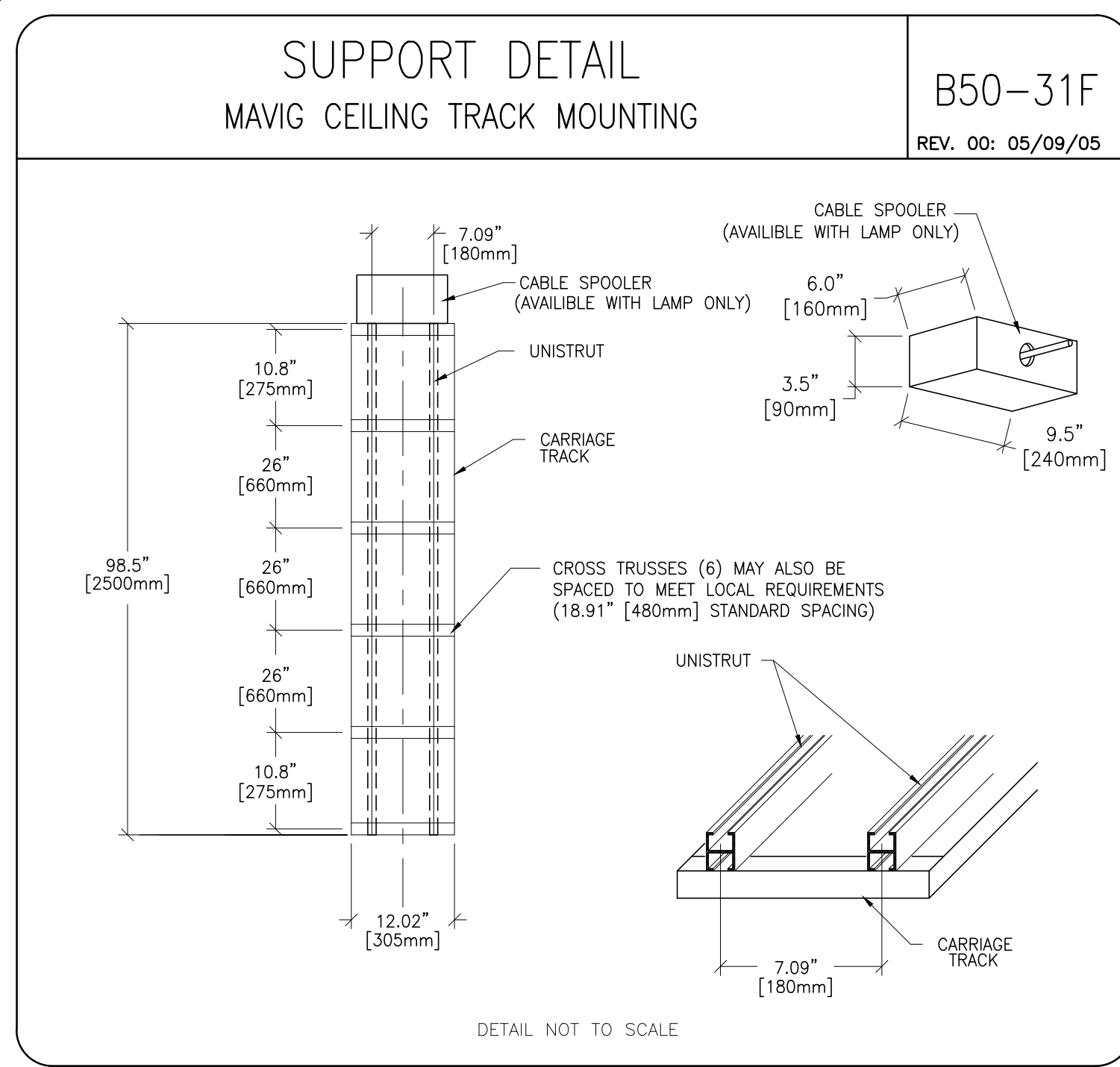
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REVISION HISTORY:

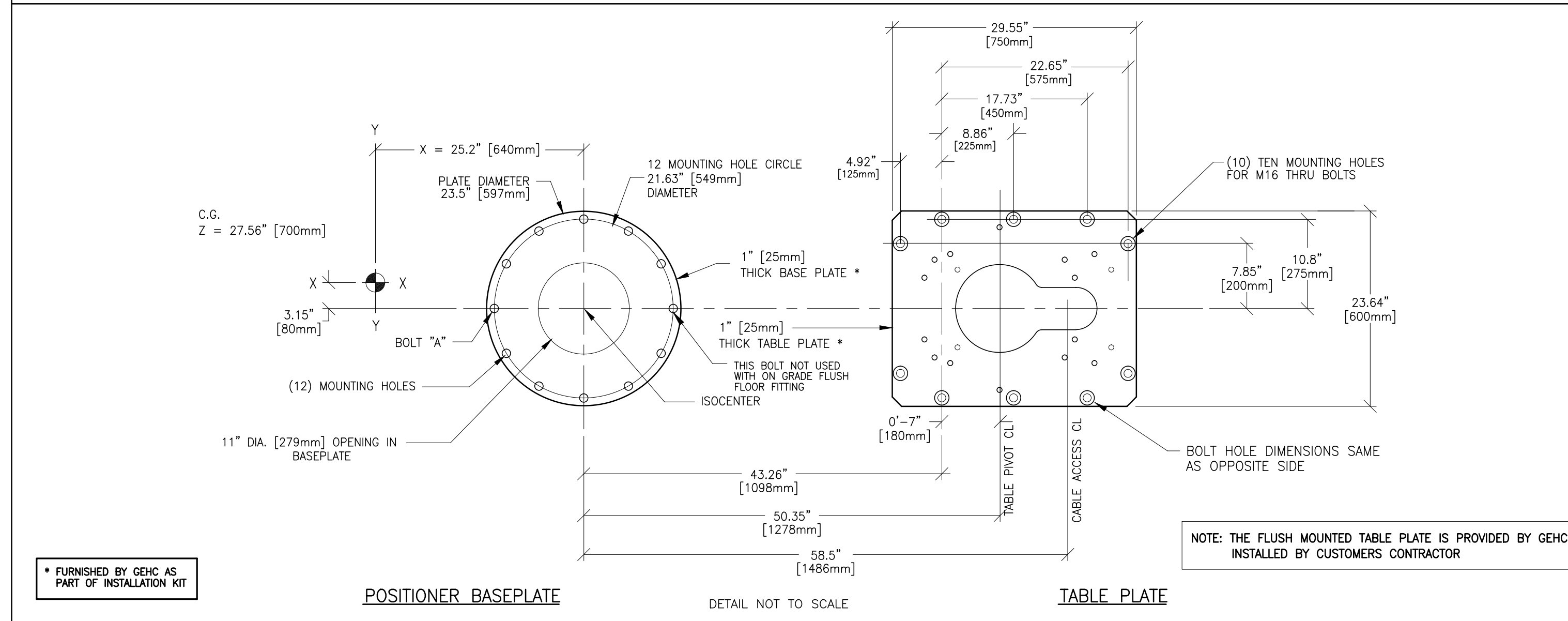
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PIM R2 RQ - 140190



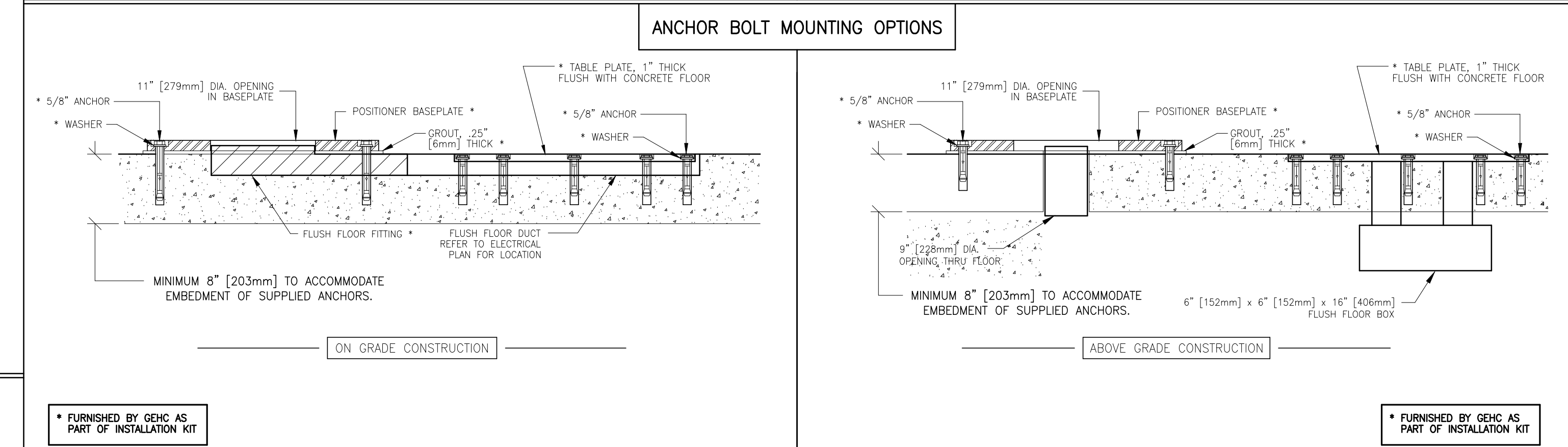
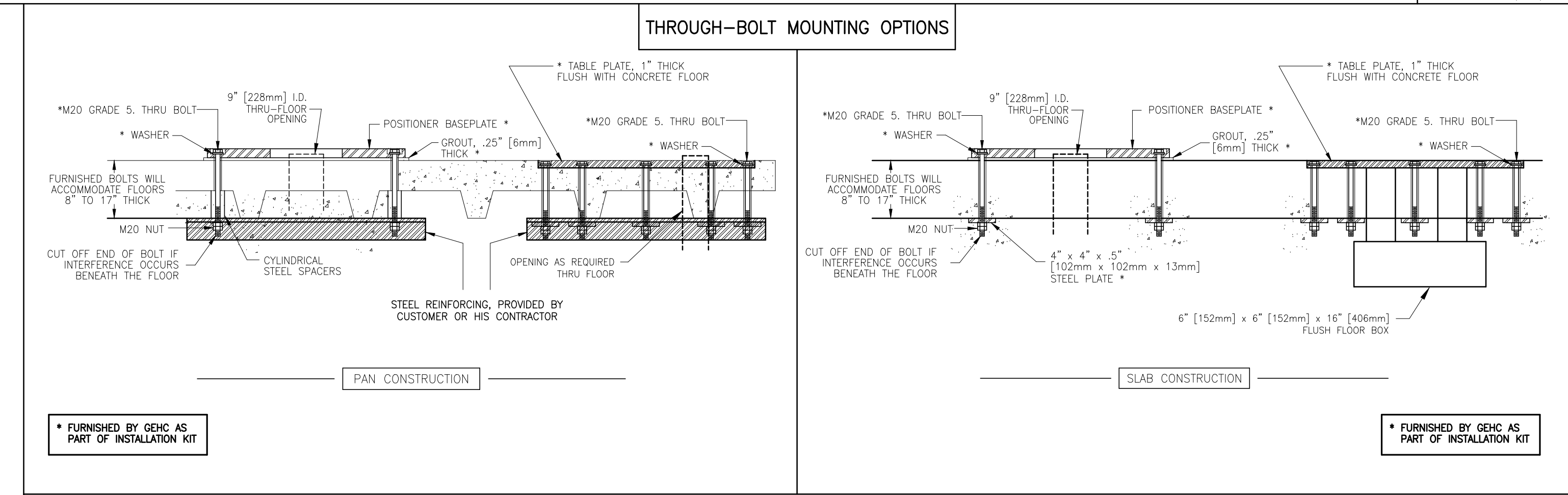
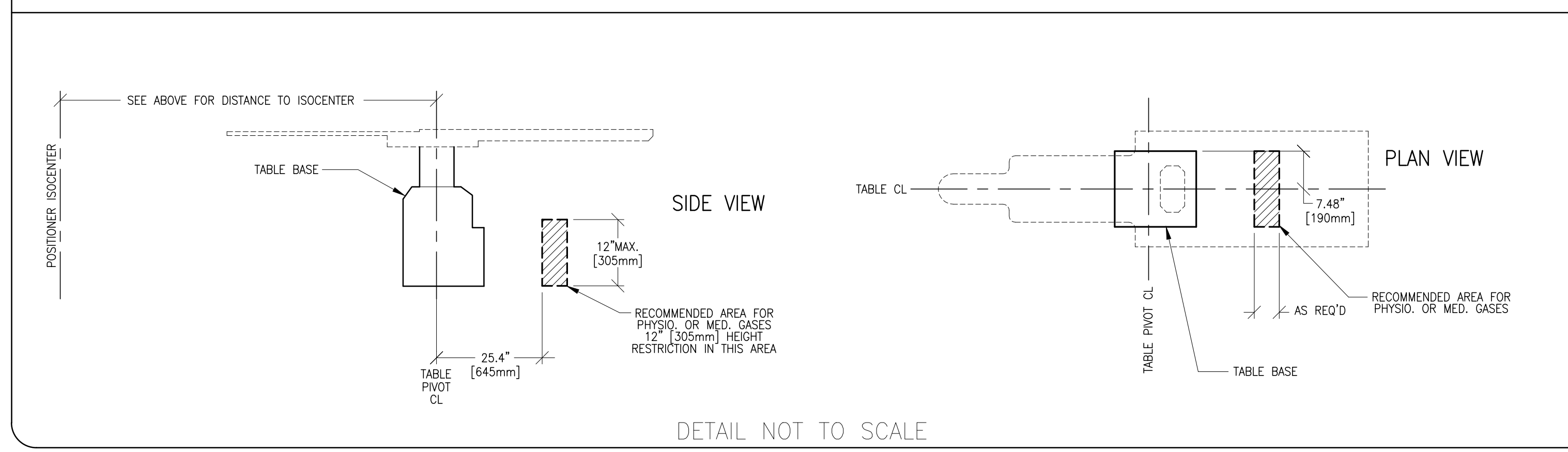
FLOOR MOUNTING : INNOVA 2100-3100-4100 (UNITY)/OMEGA V LONG TABLE (WITH IQ TILT TABLE BASEPLATE) INSTALLATION (TEMPLATE NO. 2360133) B5049N REV. DATE: 06/04/09



WARNING!! THE RELATIONSHIP BETWEEN THE TABLE BASE AND THE POSITIONER BASEPLATE IS CRITICAL.

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.

MEDICAL GAS FLOOR EXIT LOCATIONS



Customer/Contractor Alert: It is the responsibility of the Customer or their Contractor to drill all anchor/thru-bolting holes for anchoring the positioner and table to the floor. Refer to GEHC document no. *2290880-2-100 for installation preparation and procedures.

NOTE: THRU BOLTING IS HIGHLY PREFERRED FOR THE INSTALLATION OF THE POSITIONER BASEPLATE AND OMEGA 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 HIS 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 SHOULD 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 REINFORCING ARE 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.

* DOCUMENT FURNISHED BY GEHC AS PART OF INSTALLATION KIT

POSITIONER BOLT FORCES FOR WORST CASE CONDITIONS		OMEGA TABLE BOLT FORCES FOR WORST CASE CONDITIONS	
LOADS		LOADS	
HORIZONTAL ACCELERATION = 625 lbs. [284 Kg]	BOLT TENSION (AT BOLT "A") MAXIMUM TENSION = 881 lbs. [400 Kg]	BOLT TENSION MAXIMUM TENSION = 1938 lbs. [880 Kg]/BOLT	BOLT SHEAR MAXIMUM SHEAR = 407 lbs. [185 Kg]/BOLT
VERTICAL ACCELERATION = 209 lbs. [95 Kg]	BOLT SHEAR (U-ARM LOCKED) MAXIMUM SHEAR = 129 lbs. [54 Kg]/BOLT		

GE Healthcare
Healthcare Project Implementation - Design Center
Madison, Wisconsin

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: INNOVA IGS 520, 530, 540
THIS PLAN IS SUBMITTED TO VERIFY THE LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE, 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 DRAWING SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL CONSTRUCTION PURPOSES, DIMENSIONS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68F	00
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	TST

REVISION HISTORY:

SHEET
S2

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

ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 9'-6"

JUNCTION POINT DESCRIPTIONS

ELECTRICAL OUTLET LEGEND
CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS. HEIGHT ABOVE FLOOR DETERMINED BY LOCAL CODES UNLESS OTHERWISE SPECIFIED.

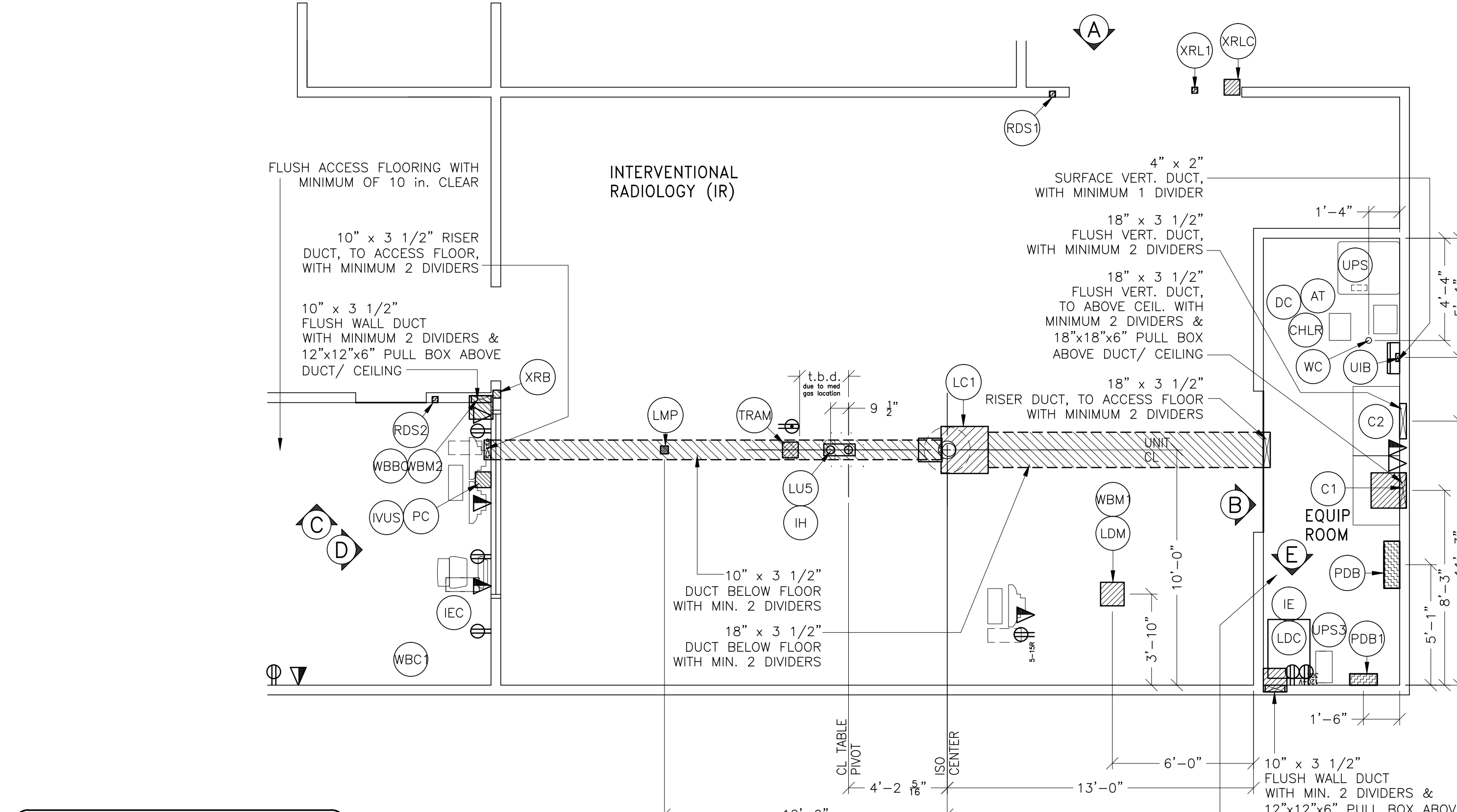
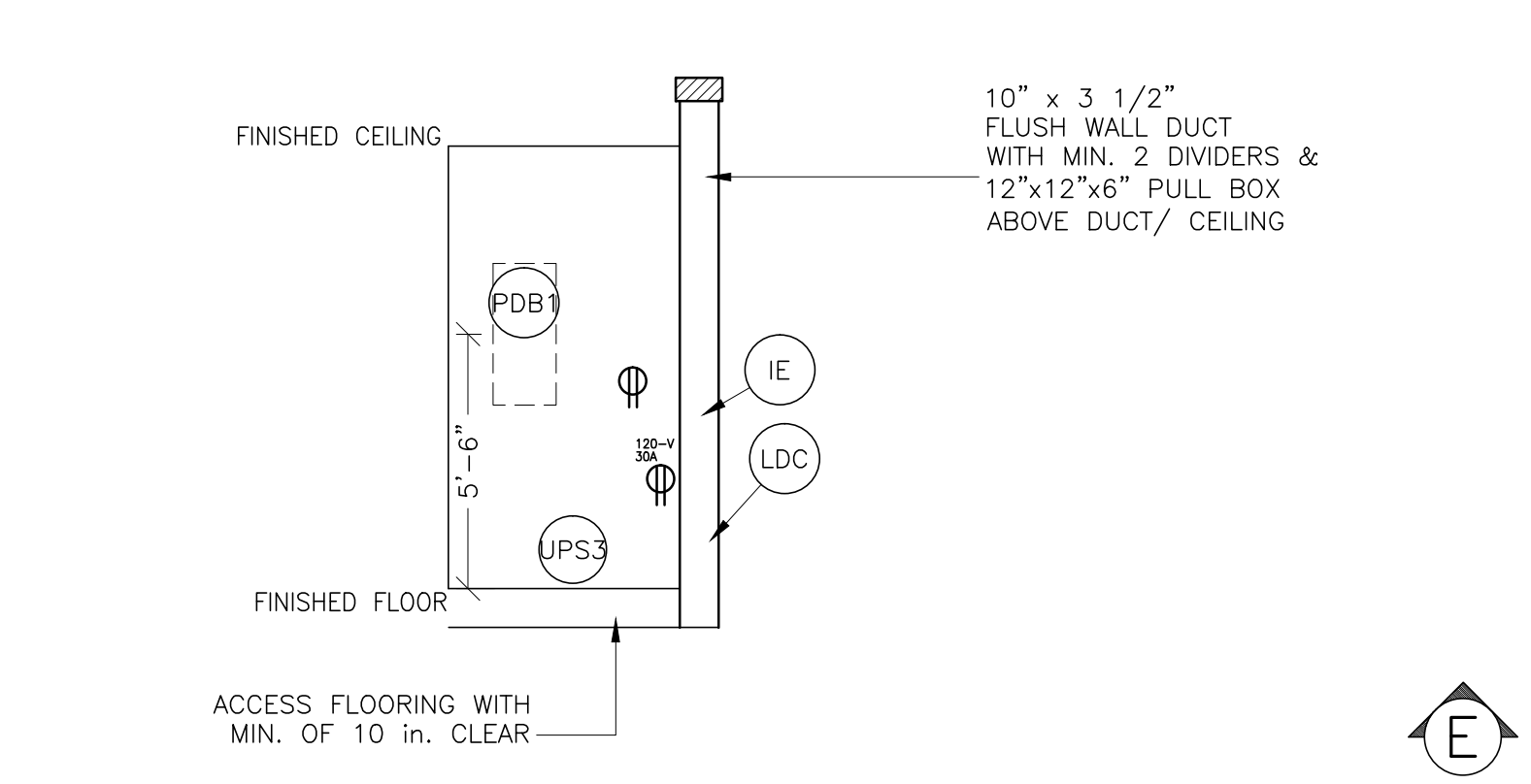
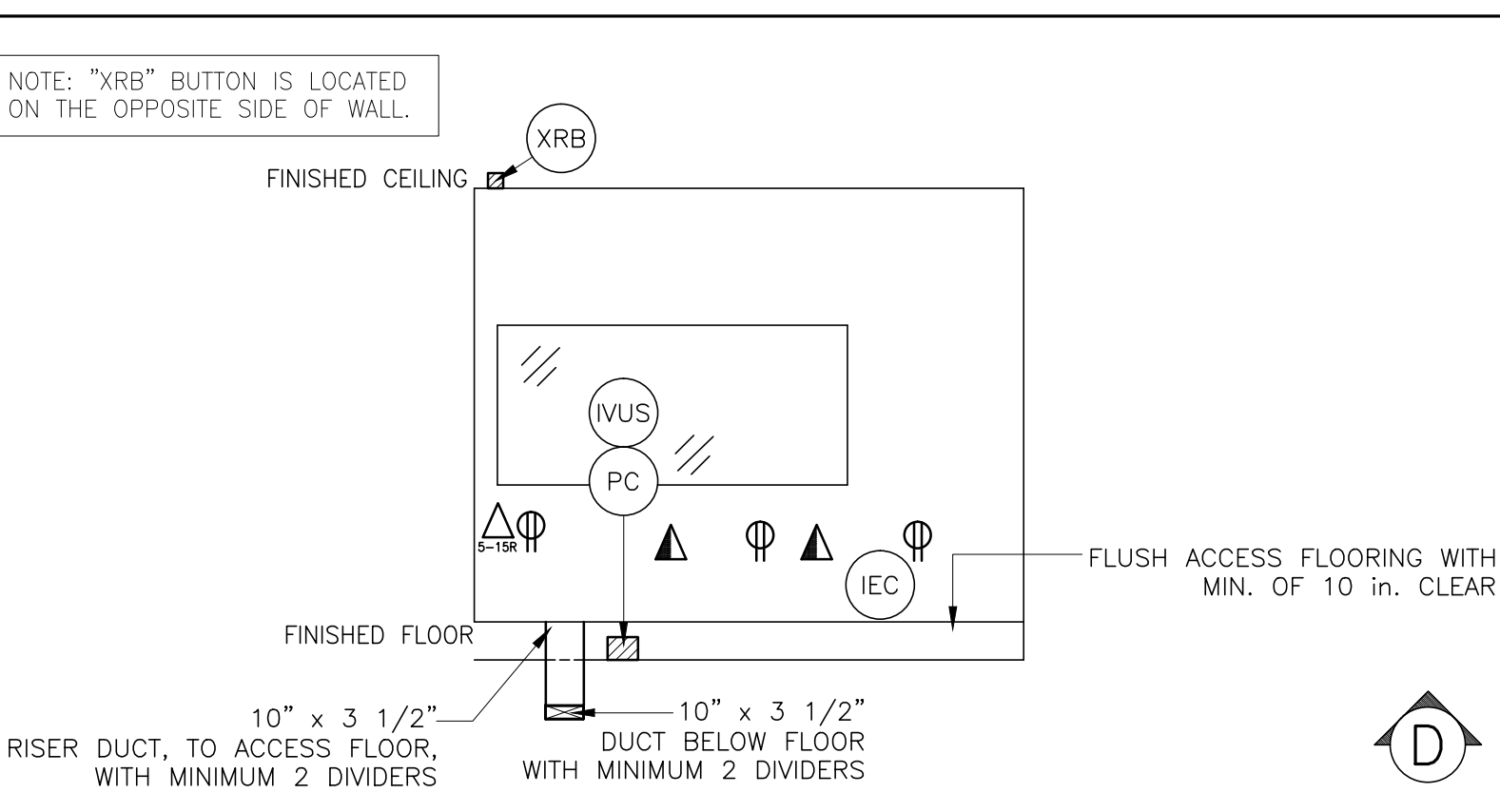
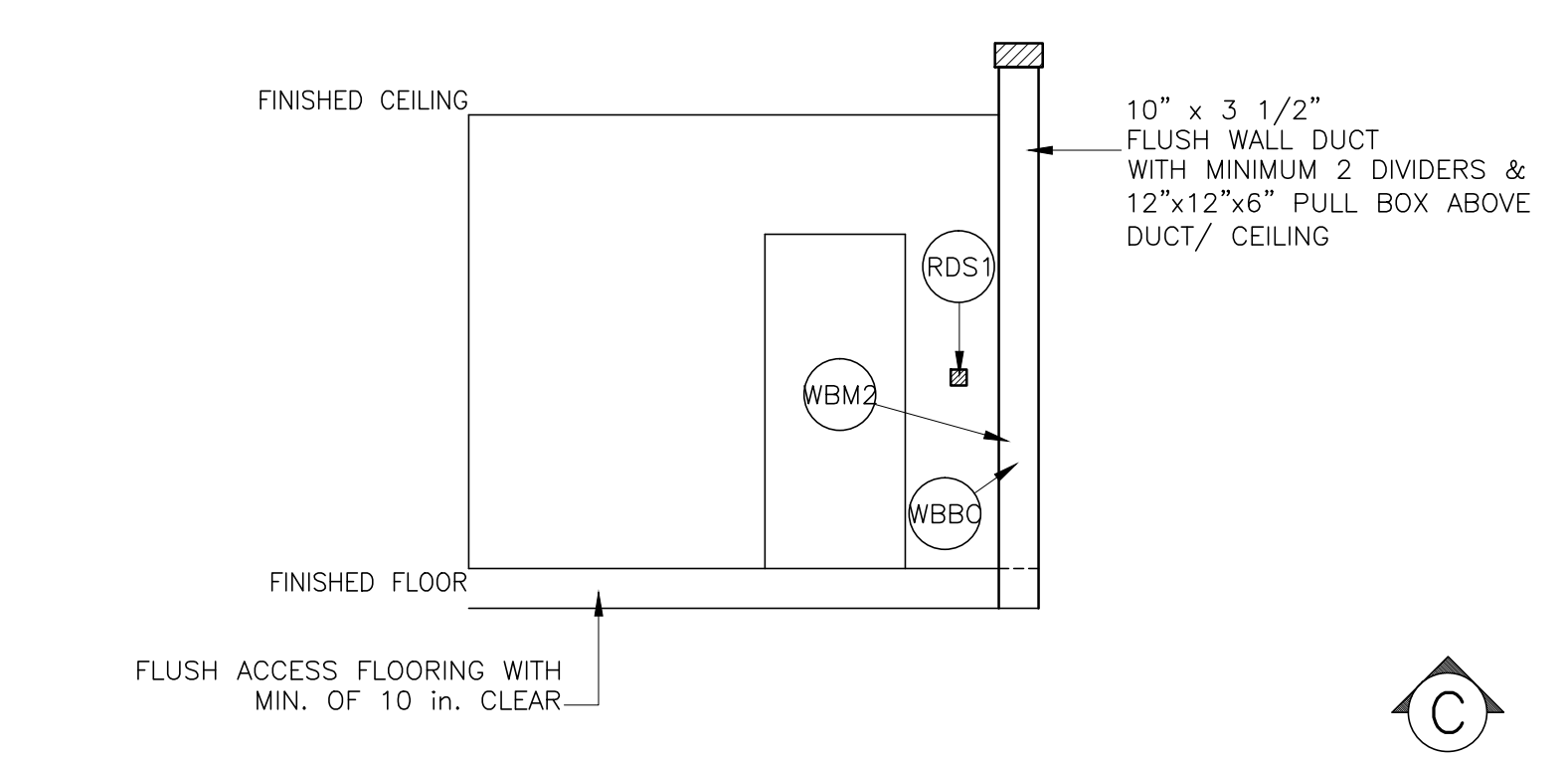
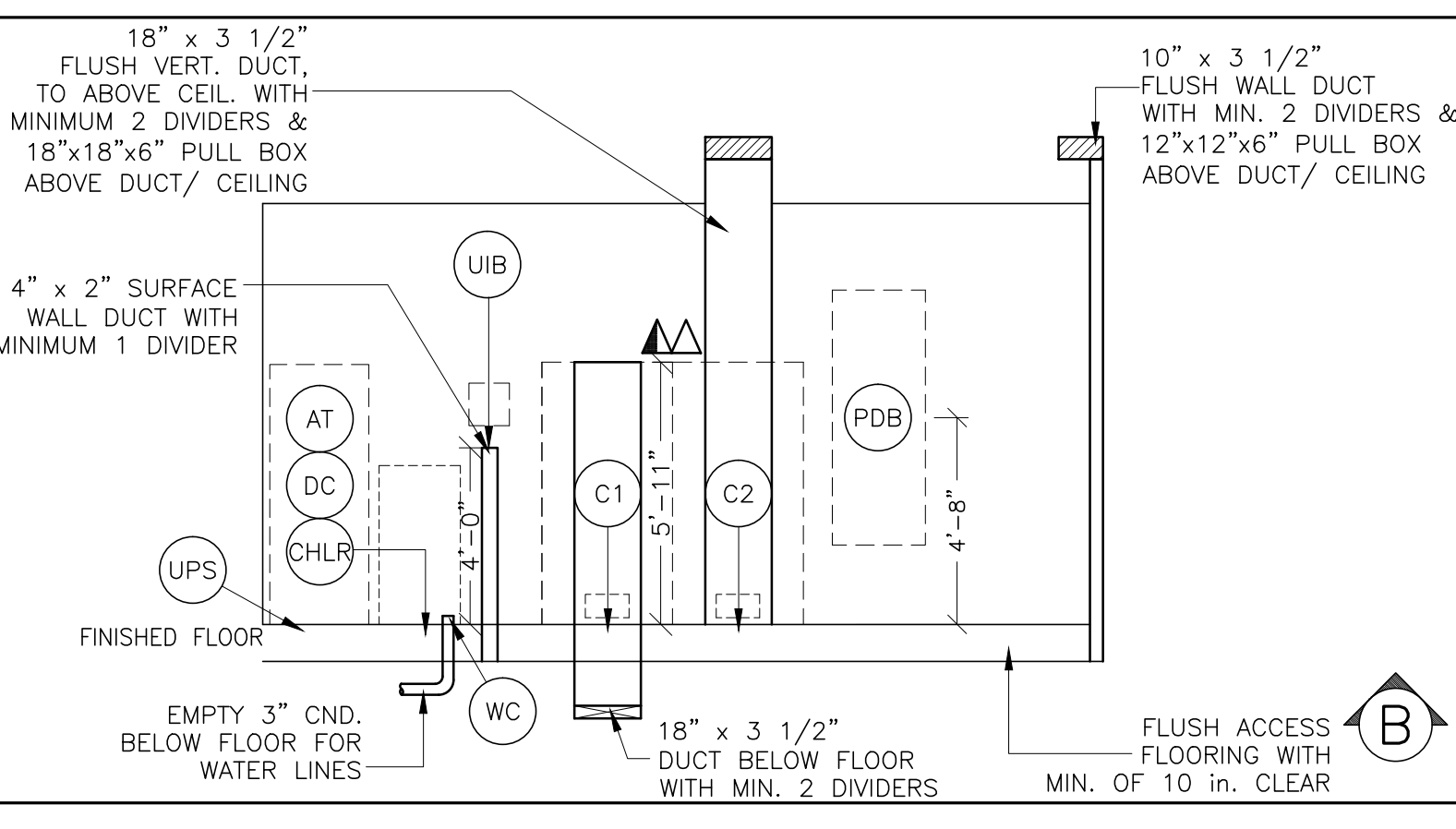
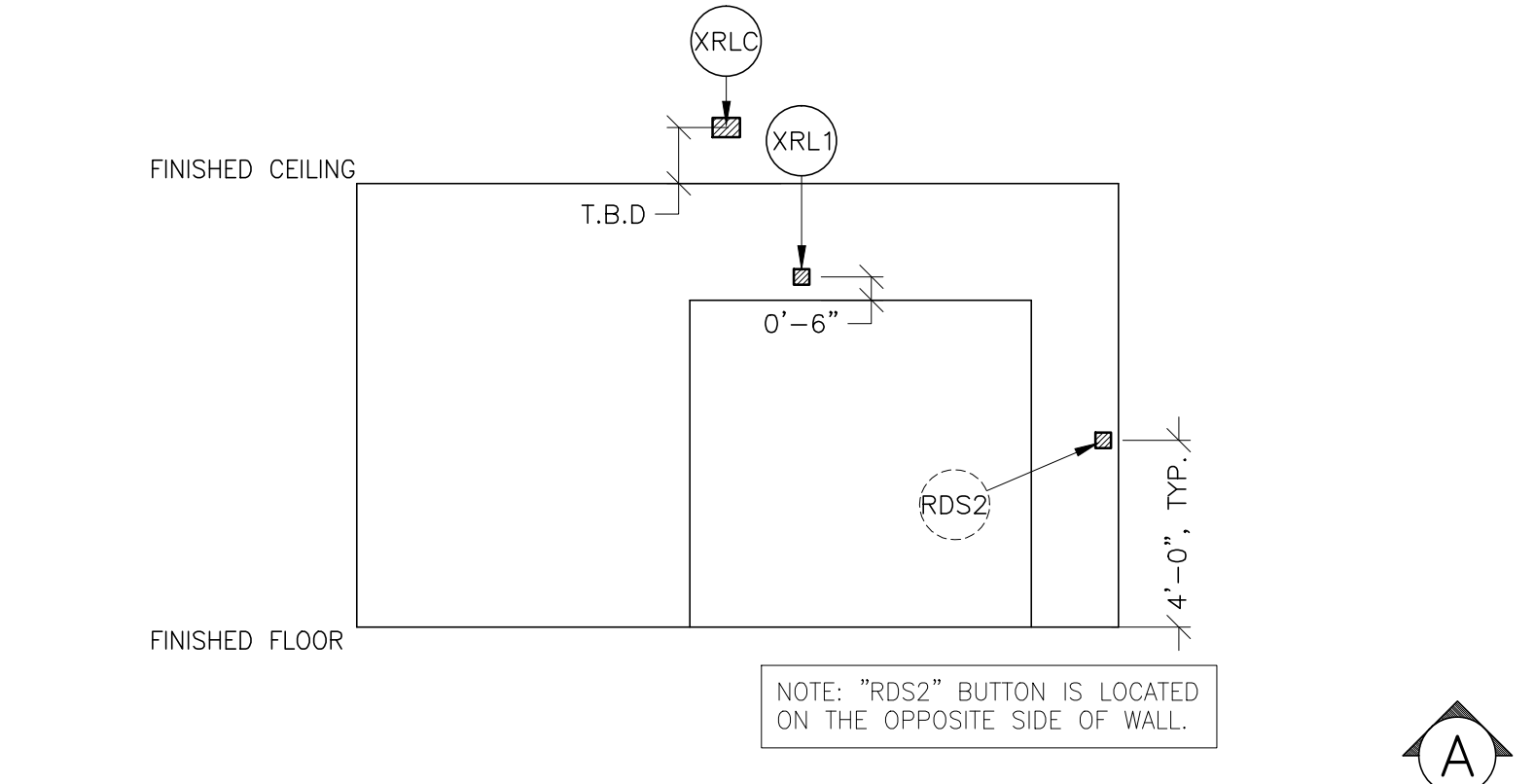
	DUPLEX HOSPITAL GRADE, DEDICATED WALL OUTLET 120-V, SINGLE PHASE POWER
	DEDICATED TELEPHONE LINE(S) (SEE ELECTRICAL DETAIL ELEC-1 OR ELEC-67)
	NETWORK OUTLET (SEE ELECTRICAL DETAILS ELEC-83 AND ELEC-84 OR ELEC-87)
	5-15R NEMA RECEPTACLE, DEDICATED OUTLET 120-V, SINGLE PHASE POWER
	DUPLEX HOSPITAL GRADE, DEDICATED OUTLET 120-V EMERGENCY, SINGLE PHASE POWER, 15A
	DUPLEX HOSPITAL GRADE, DEDICATED TWIST LOCK OUTLET 120-V EMERGENCY, SINGLE PHASE POWER, 30A

DUCT HATCHING LEGEND

	ABOVE CEILING DUCT
	UNDER FLOOR DUCT
	TRENCH DUCT (FLUSH FLOOR)
	SURFACE FLOOR DUCT
	CABLE TRAY
	ABOVE CEILING CONDUIT
	BELOW FLOOR CONDUIT

- JUNCTION POINT NOTES**
- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
 - CONDUIT AND DUCT RUNS SHALL HAVE SWEEP RADIUS BENDS.
 - CONDUITS AND DUCT ABOVE CEILING OR BELOW FINISHED FLOOR MUST BE INSTALLED AS NEAR TO CEILING OR FLOOR AS POSSIBLE TO REDUCE RUN LENGTH.
 - CEILING MOUNTED JUNCTION BOXES ILLUSTRATED ON THIS PLAN MUST BE INSTALLED FLUSH WITH FINISHED CEILING.
 - ALL DUCTWORK MUST MEET THE FOLLOWING REQUIREMENTS:
 - DUCTWORK SHALL BE METAL WITH DIVIDERS AND HAVE REMOVABLE, ACCESSIBLE COVERS.
 - DUCTWORK SHALL BE CERTIFIED/RATED FOR ELECTRICAL POWER PURPOSES.
 - DUCTWORK SHALL BE ELECTRICALLY AND MECHANICALLY BONDED TOGETHER IN AN APPROVED MANNER.
 - PVC AS A SUBSTITUTE MUST BE USED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES.
 - GENERAL CONTRACTOR TO INSERT PULL CORDS FOR ALL CABLE RUN CONDUITS BETWEEN THE EQUIPMENT ROOM AND THE OPERATORS CONTROL ROOM.
 - 10 FOOT PITGALS AT ALL JUNCTION POINTS.
 - ALL WIRING MUST BE THIN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT INSULATION. **ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.**
 - GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

POINT	DESCRIPTION	QTY.	THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR	
			HARDWARE	DETAIL NO., SHT. E3
AT	COOLIX 4100 AUTO TRANSFORMER	1	EXTERNALLY CONNECTED TO TUBE CHILLER	
C1	ATLAS CABINET	1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8" OPENING IN ACCESS FLOOR	ELEC-10
C2	ATLAS CABINET	1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8" OPENING IN ACCESS FLOOR	ELEC-10
CHLR	COOLIX 4100 WATER CHILLER	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
DC	DETECTOR CHILLER	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
IE	INJECTOR ELECTRONICS	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
IEC	INJECTOR CONTROL	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
IH	INJECTOR HEAD	1	EXTERNALLY CONNECTED AT TABLE BASE	
IVUS	IVUS WORKSTATION	1	SHARED BOX WITH 'PC'	
LC1	INNOVA LC	1	24 X 24 X 12 IN. BOX SUITABLE LENGTH OF 6 IN. DIA. THREADED CONDUIT OR PIPE 6 IN. DIA. LOCKNUTS 1 GE SUPPLIED FITTING 1 1/2 X 12 X 6 IN. BUSHING 4 1 IN. DIA. BUSHING	ELEC-100 ELEC-177
LDC	LARGE DISPLAY CABINET	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN DUCT COVER	ELEC-6
LDM	LARGE DISPLAY MONITOR	1	COVERPLATE 1 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
LMP	SURGICAL LAMP	1	COVERPLATE 1 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
LUS	OMEGA TABLE	2	COVERPLATE 1 1/2 IN. DIA. BUSHING & LOCKNUT 6 X 6 X 16 IN. BOX	ELEC-48 ELEC-134
PC	MAC LAB	1	COVERPLATE 1 1/2 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN DUCT COVER 1 1/2 X 8 X 8 IN. FLOOR BOX 1 1/2 X 8 X 8 IN. CHASE NIPPLE	ELEC-13 ELEC-8
PDB	MAIN DISCONNECT	1	150-AMP PANEL INCLUDED IN ORDER	ELEC-161
PDB1	LOCAL SERVICE DISCONNECT	1	150-AMP LOCAL SERVICE DISCONNECT (CUSTOMER SUPPLIED)	
RDS1	EMERGENCY OFF	1	PROVIDE A SINGLE GANG, 2 1/8 IN. DEEP, FLUSH MTD. WALL BOX	ELEC-16
RDS2	EMERGENCY OFF	1	PROVIDE A SINGLE GANG, 2 1/8 IN. DEEP, FLUSH MTD. WALL BOX	ELEC-16
TRAM	REMOTE ACQUISITION UNIT	1	COVERPLATE 1 1/2 X 8 X 8 IN. FLOOR BOX 1 1/2 X 8 X 8 IN. CHASE NIPPLE	ELEC-13
UIB	UPS INTERFACE BOX	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN DUCT COVER	ELEC-5 ELEC-6
UPS	UPS CABINET	1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8" OPENING IN DUCT COVER 1 1/2 X 8 X 8 IN. FLOOR BOX 1 1/2 X 8 X 8 IN. CHASE NIPPLE	ELEC-5 ELEC-6
UPS3	3 KVA UPS (LD SUBSYSTEM)	1	EXTERNALLY CONNECTED TO LARGE DISPLAY CABINET - 'LDC'	
WBBC	BOLUS WALLBOX	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
WBC1	OPERATORS CONSOLE	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN ACCESS FLOOR	ELEC-10
WBM1	TV MONITOR	1	SHARED CEILING BOX WITH 'LDM' 1 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
WBM2	TV MONITOR	1	12 IN. OF GROMMET MATERIAL FOR A 3" X 3" OPENING IN DUCT COVER	ELEC-5 ELEC-6
WC	WATER CHILLER HOSE OUTLET	1	3 IN. CONDUIT STUBBED 2 IN. ABOVE FLOOR	ELEC-9
XRB	XR BUZZER (LOCATED ABOVE CEILING)	1	COVERPLATE 1 1/2 X 8 X 8 IN. BDX 1 1/2 X 8 X 8 IN. CHASE NIPPLE	ELEC-8
XRL1	WARNING LIGHT	1	COVERPLATE SINGLE GANG BOX 'X-RAY ON' INCANDESCENT LIGHT FIXTURE - DO NOT USE FLUORESCENT FIXTURES.	ELEC-157
XRLC	WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	E4502SS WARNING LIGHT & ROOM LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER	ELEC-157



A COMPLETE REVIEW OF ELECTRICAL OPTIONS MUST BE DISCUSSED WITH YOUR GE PROJECT MANAGER OF INSTALLATIONS, BEFORE BIDDING BEGINS.

CONDUIT RUNS: INNOVA IGS 520/530/540

CONDUITS REQUIRED FROM POINT "XRLC" (CONDUITS ARE LOCATED ABOVE CEILING)

(4)	XRLC TO XRL1	ONE 1/2" CND.
(6)	XRLC TO C2	ONE 1/2" CND.
(7)	XRLC TO 150-V 1A POWER	CND. AS REQ'D

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "XRB" (CONDUITS ARE LOCATED ABOVE CEILING)

(9)	XRB TO POWER STRIP IN CONTROL AREA	ONE 3/4" CND.
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NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "LMP" (CONDUITS ARE LOCATED ABOVE CEILING)

(11)	LMP TO 120-V 1A POWER	CND. AS REQ'D
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NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQ'D FOR "LARGE DISPLAY MONITOR" (CONDUITS ARE LOCATED ABOVE CEILING)

(34)	LDM TO LDC	ONE 3" & ONE 3/4" CND. CABLE LENGTH 100 FT.
(36)	LDC TO WBC1	ONE 3" CND.
(37)	LDC TO TRAM	ONE 3" CND.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "WBM1" (CONDUITS ARE LOCATED ABOVE CEILING)

(12)	WBM1 TO C1	TWO 2 1/2" CND'S. (UP TO FOUR MONITOR STATIONS) (CABLE LENGTH UP TO 40 FT.)
(13)	WBM1 TO WBC1	ONE 2 1/2" CND. (CABLE LENGTH UP TO 40 FT.)

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "WC" (CONDUIT IS LOCATED IN OR BELOW FLOOR)

(14)	WC TO LC1	ONE EMPTY 3" CND. (FOR WATER LINES) (SEE WATER LINE TO LOCATED ON E1) (SEE WATER LINE TO REMOVED FROM E1) (CABLE LENGTH UP TO 10 00 FT)
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NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "PDB" (CONDUITS ARE LOCATED ABOVE CEILING)

*CABLES THAT COULD RUN IN DUCT SYSTEM INSTEAD

(15)	PDB TO UPS	*TWO CND'S. AS REQ'D.
(16)	PDB TO UIB	*ONE 1 1/2" CND. (CABLE LENGTH 70 FT.)

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "PDB1" (CONDUITS ARE LOCATED ABOVE CEILING)

(17)	PDB1 TO RDS1	ONE 1/2" CND.
(18)	PDB1 TO RDS2	ONE 1/2" CND.
(19)	PDB1 TO C1	*TWO 2 1/2" CND'S. FOR FOUR CUSTOMER SUPPLIED POWER/ GROUND RUNS (AND GE SUPPLIED WIRES) (CABLE LENGTH 19 FT.)

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FROM POINT "PC" (CONDUITS ARE LOCATED ABOVE CEILING)

(20)	PDB TO C1	*ONE 1" CND. FOR TWO GE SUPPLIED SIGNAL CABLES (CABLE LENGTH 19 FT.)
(21)	PDB TO PDB1	ONE CND. AS REQ'D.
(22)	PDB1 TO 480-V 3A POWER	CND. AS REQ'D
(23)	PDB TO IE	(INJECTOR POWER) CONSULT MFG. (RUN IN DUCT/ CONDUIT SYSTEM)

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUIT RUNS: PHYSIO MONITORING/ IVUS

CONDUITS REQUIRED FOR MAC LAB

(52)	PC/IVUS TO WBM1	ONE 3" CND. (LOCATED ABOVE CEILING)
(53)	PC TO TRAM	ONE 3" CND. (LOCATED IN/BELOW FLOOR)
(54)	IVUS TO TRAM	ONE 3" CND. (LOCATED IN/BELOW FLOOR)

FEEDER TABLE REV. DATE: 12/22/10

* CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
 * RECOMMENDED FEEDER SIZES FROM DIST. TRANS. TO ROOM DISCONNECT. CALCULATIONS ARE AT NOMINAL VOLTAGE BASED UPON 1/0 WIRE SIZE FROM ROOM DISCONNECT TO POWER CABINET WITH A MAXIMUM RUN OF 25 FT.
 * NEUTRAL MUST BE TERMINATED INSIDE THE MAIN DISCONNECT PANEL AND NOT AT ANY GE CABINET.
 * THE GROUNDING CONDUCTOR () WILL BE A 2 AWG MINIMUM OR MEET LOCAL CODE REQUIREMENTS. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.
 * MINIMUM WIRE SIZE FOR CIRCUIT BREAKER, BASED ON RECOMMENDED OVERCURRENT PROTECTION.
 * FOR A FULL SYSTEM UPS, REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.
 * IF THE FEEDER IS BIGGER THAN 3/0, THE HOSPITAL MUST PROVIDE AND INSTALL A REDUCTION BOX

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE													
	324-396		342-418		360-440		378-462		396-484		414-506		432-528	
	FEEDER	FLOOR	FEEDER	FLOOR	FEEDER	FLOOR	FEEDER	FLOOR	FEEDER	FLOOR	FEEDER	FLOOR	FEEDER	FLOOR
50	1/0	(2)	+1/0	(2)	1/0	(2)	+1/0	(2)	1/0	(2)	+1/0	(2)	1/0	(2)
100	1/0	(2)	+1/0	(2)	1/0	(2)	+1/0	(2)	1/0	(2)	+1/0	(2)	1/0	(2)
150	3/0	(2)	2/0	(2)	2/0	(2)	1/0	(2)	1/0	(2)	1/0	(2)	1/0	(2)
200	4/0	(2)	3/0	(2)	3/0	(2)	2/0	(2)	2/0	(2)	2/0	(2)	1/0	(2)
250	300M	(2)	300M	(2)	250M	(2)	4/0	(2)	3/0	(2)	3/0	(2)	3/0	(2)
300	400M	(2)	350M	(2)	300M	(2)	250M	(2)	4/0	(2)	4/0	(2)	4/0	(2)
350	600M	(2)	500M	(2)	400M	(2)	350M	(2)	300M	(2)	250M	(2)	4/0	(2)
400	700M	(2)	600M	(2)	500M	(2)	400M	(2)	350M	(2)	300M	(2)	300M	(2)

CONTRACTOR SUPPLIED AND INSTALLED WIRING
ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS.

WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
<22> 3 PHASE > PDB1	3-BLACK, 1-WHITE, 1-GREEN (REFER TO FEEDER TABLE)
<21> PDB1 > PDB	3-BLACK, 1-WHITE, 1-GREEN (REFER TO FEEDER TABLE)
<19> PDB > C1 <JEDI>	3-1/0 BLACK, 1-1/0 GREEN
<19> PDB > C1 <PDU>	2-ND. 10 BLACK, 1-ND. 10 GREEN
<19> PDB > C2	3-ND. 8 BLACK, 1-ND. 8 GREEN
<19> PDB > AT	3-ND. 10 BLACK, 1-ND. 10 GREEN
<15> PDB > UPS	6-ND. 6 BLACK, 1-ND. 6 WHITE, 2-ND. 6 GREEN
<17> PDB > RDS1	2-ND. 14 BLACK, 2-ND. 14 WHITE, 1-ND. 14 GREEN
<18> PDB > RDS2	2-ND. 14 BLACK, 2-ND. 14 WHITE, 1-ND. 14 GREEN
<7> XRLC > 1 PHASE	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
<6> XRLC > C2	2-ND. 14 BLACK, 2-ND. 14 WHITE, 1-ND. 14 GREEN
<4> XRL1 > XRLC	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
<11> 120-V > LMP	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
LDC > HOSPITAL GROUND	1-ND. 10 GREEN

GE Healthcare

Healthcare Project Implementation - Design Center
Manufacture, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCES, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS AND TO THE USER'S SPECIFIC ACTUAL CONSTRUCTION REQUIREMENTS. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: INTERVENTIONAL RADIOLOGY TYPICAL FINAL DRAWINGS

PROJECT: 4-68F

REVISION: 00

DATE: 18.Dec.13

DRAWN BY: JPH

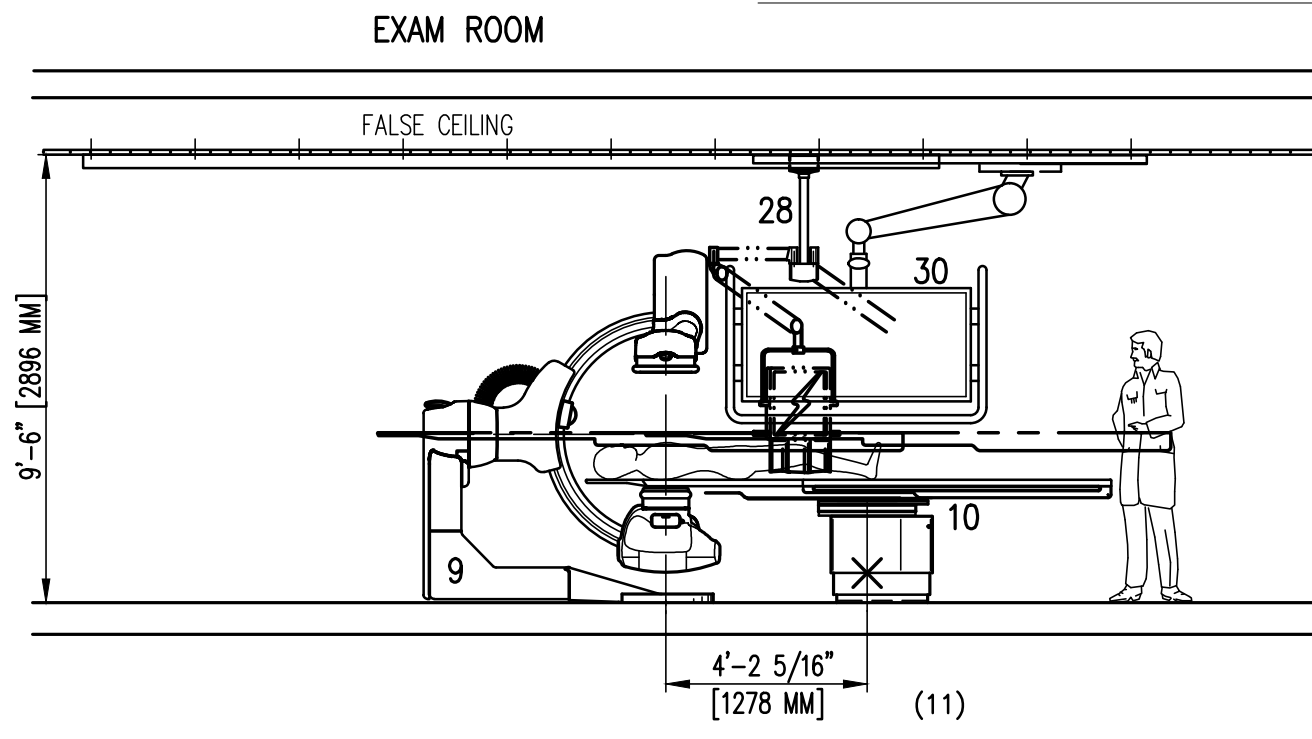
CHECKED BY: TST

REVISION HISTORY:

SHEET: E1

INTERCONNECT DIAGRAM

TYPICAL VIEWS



EQUIPMENT DESCRIPTIONS				OPTIONS			
ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)	ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)
1	- XR BUZZER	2		22	- ADVANTAGE WINDOWS WORKSTATION	81	1201
2	- ATLAS CABINET C2	659	1825	23	- IVUS VOLCANO CONSOLE	68	1631
3	- ATLAS CABINET C1	1115	3389	24	- IVUS VOLCANO COLOR PRINTER	X	X
4	- DETECTOR CONDITIONER	33	706	25	- INJECTOR HEAD	15	
5	- COOLIX 4100 WATER CHILLER	265	18725	26	- INJECTOR ELECTRONICS	37	320
6	- 20kva UPS CABINET	1170	4061	27	- REMOTE CONTROL FOR INJECTOR	4	
7	- UPS INTERFACE BOX			28	- LAMP (RADIATION SHIELD TRACK)	143	
8	- TV CEILING SUSPENSION (8 MONITOR)	557	1228	29	- LARGE DISPLAY MONITOR CABINET	254	3412
9	- INNOVA LC POSITIONER	1653	2416	30	- LARGE DISPLAY MONITOR	784	1706
10	- OMEGA IO TABLE	1750	614	31	- MACH 3 TRANSFORMER	70	X
11	- INNOVA VOIM FIFTH DL KEYBOARD CONSOLE	22	204	32	- MACLAB PHYSIO MONITORING	566	2935
12	- VOIM OPERATOR CONSOLE	22	546	33	- PRINTER (PHYSIO)	X	309
13	- ROOM LIGHTS			34	- TRAM (PHYSIO)	8	X
14	- XRAY WARNING LAMP			35	- REMOTE OPERATING TERMINAL (PHYSIO)	46	682
15	- XRAY WARNING LAMP CONTROLLER			36	- MICRO PACE STIMULATOR (PHYSIO)	X	X
16	- RDS1 PUSHBUTTON			37	- SKYTRON LIGHTING UNIT	50	341
17	- RDS2 PUSHBUTTON			38	- 150 kva UPS	2160	31802
18	- PDB MAIN DISCONNECT	326	1532	39	- UPS BATTERY CABINET	3529	X
19	- LOTO DISCONNECT BREAKER			40	- MAINTENANCE BYPASS PANEL	350	X
20	- 3kva UPS CABINET	81	546	41	- COOLIX 4100 AUTOTRANSFORMER	99	239
21	- BOLUS CHASE HANDSWITCH	2					

POWER SPECIFICATIONS

INNOVA SYSTEMS
REV. DATE: 01/04/07

VOLTAGE: PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 360 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.

TABLE A ALLOWABLE INPUT VOLTAGES/CURRENT DEMAND

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)	
		MAX. MOMENTARY	CONTINUOUS
360	324-396	304	32
380	342-418	289	31
400	360-440	274	29
420	378-462	264	28
440	396-484	249	26
460	414-506	238	25
480	432-528	228	24

NOTE: 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.

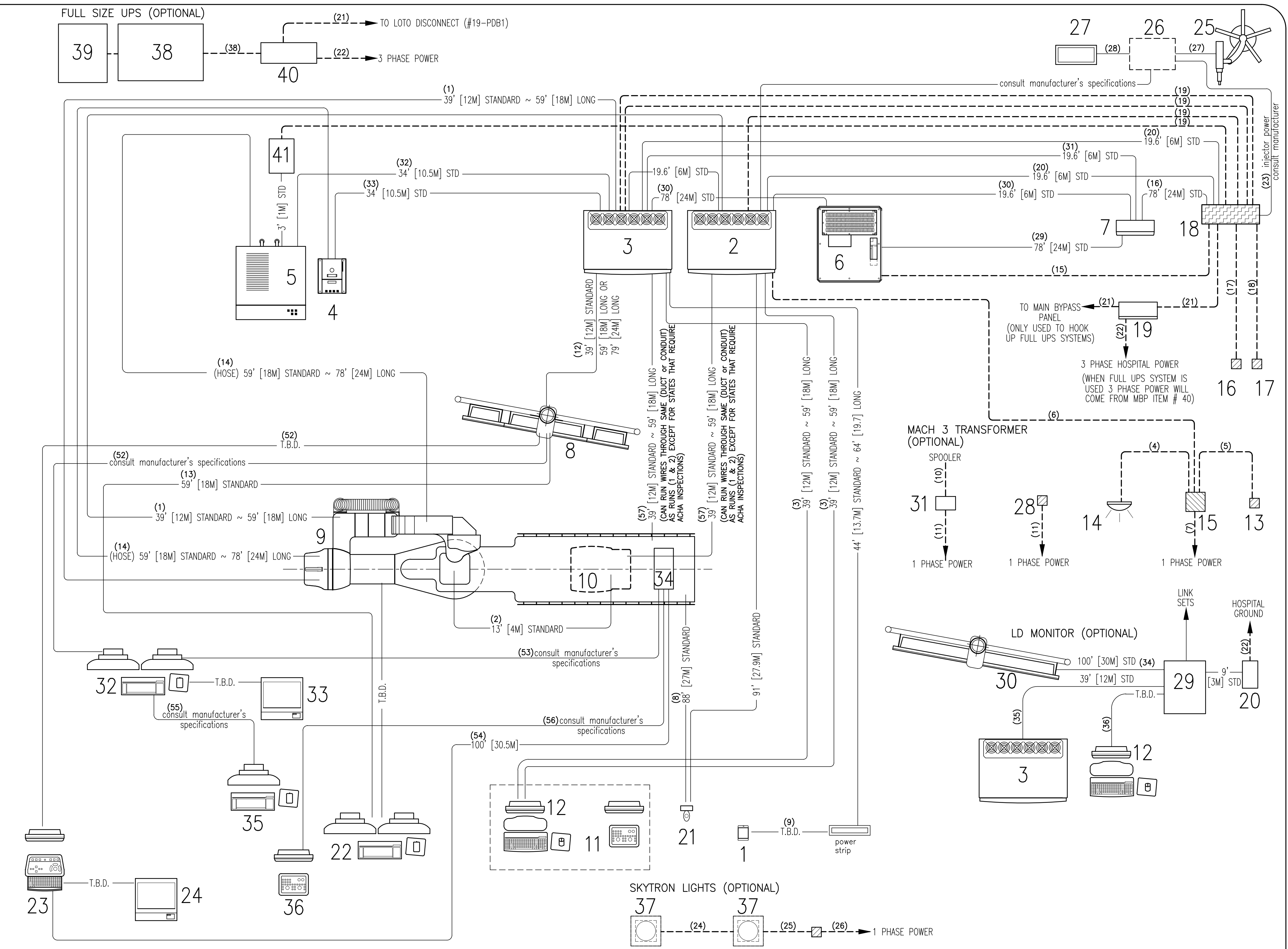
POWER DEMAND: CONTINUOUS POWER DEMAND = 20KVA. (MAX DEMAND = 171 KVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	ADVANTX 100
kva * POWER FACTOR AT	171 0.9
mA	1250
kvp	80

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

DISTRIBUTION TRANSFORMER: FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 225 KVA.



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.

DIAGRAM KEY

---	CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
---	GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.
59' [18M]	MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS. Feet [Meters]

REV DATE: 12.Mar.12

GE Healthcare
Healthcare Project Implementation - Design Center
Madison, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS
MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO ASSIST IN THE 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 DRAWINGS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68F	00

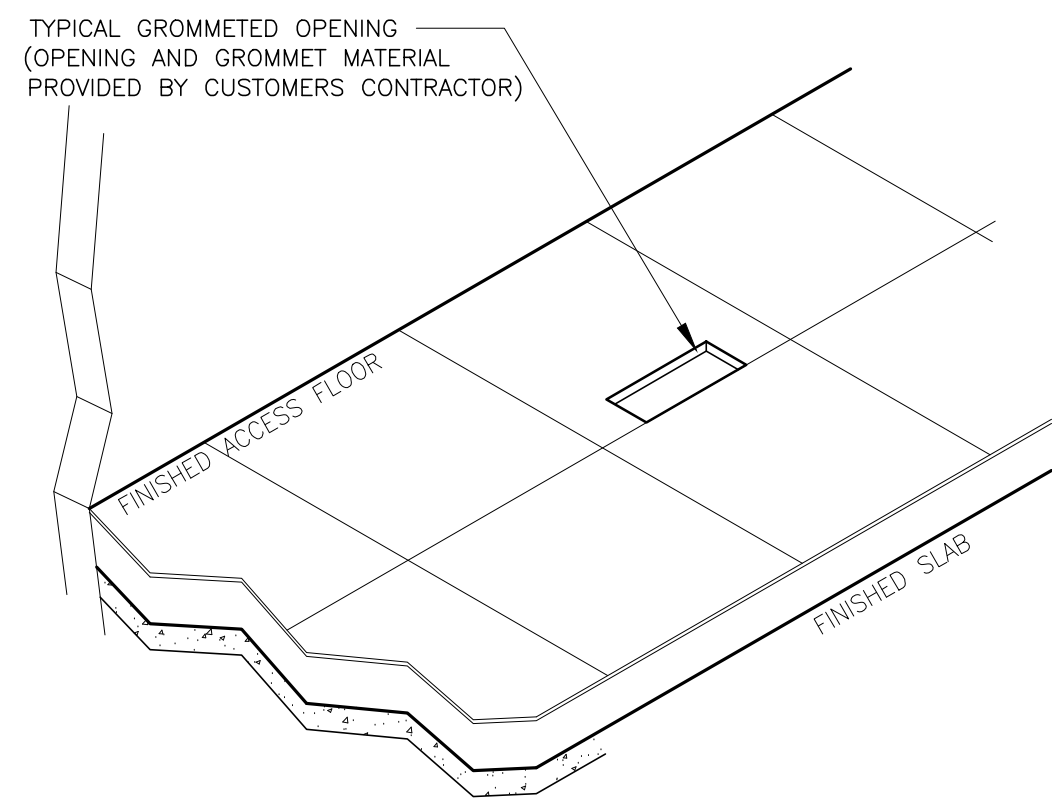
DATE: 18.Dec.13
DRAWN BY: JPH
CHECKED BY: TST

REVISION HISTORY:

SHEET
E2

ELECTRICAL DETAIL
GROMMETED OPENING – ACCESS FLOORING (TYPICAL) **ELEC-10**

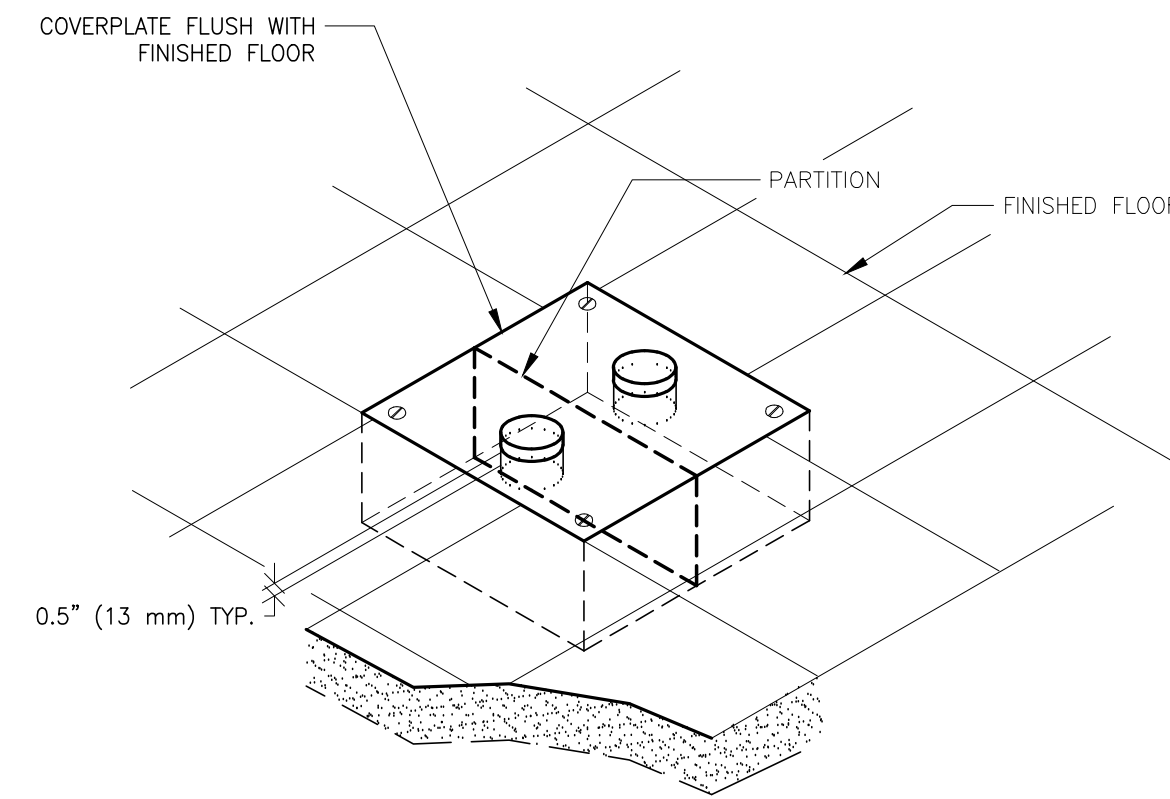
REV. DATE: 04/21/05



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
FLOOR BOX WITH NIPPLES (TYPICAL) **ELEC-13**

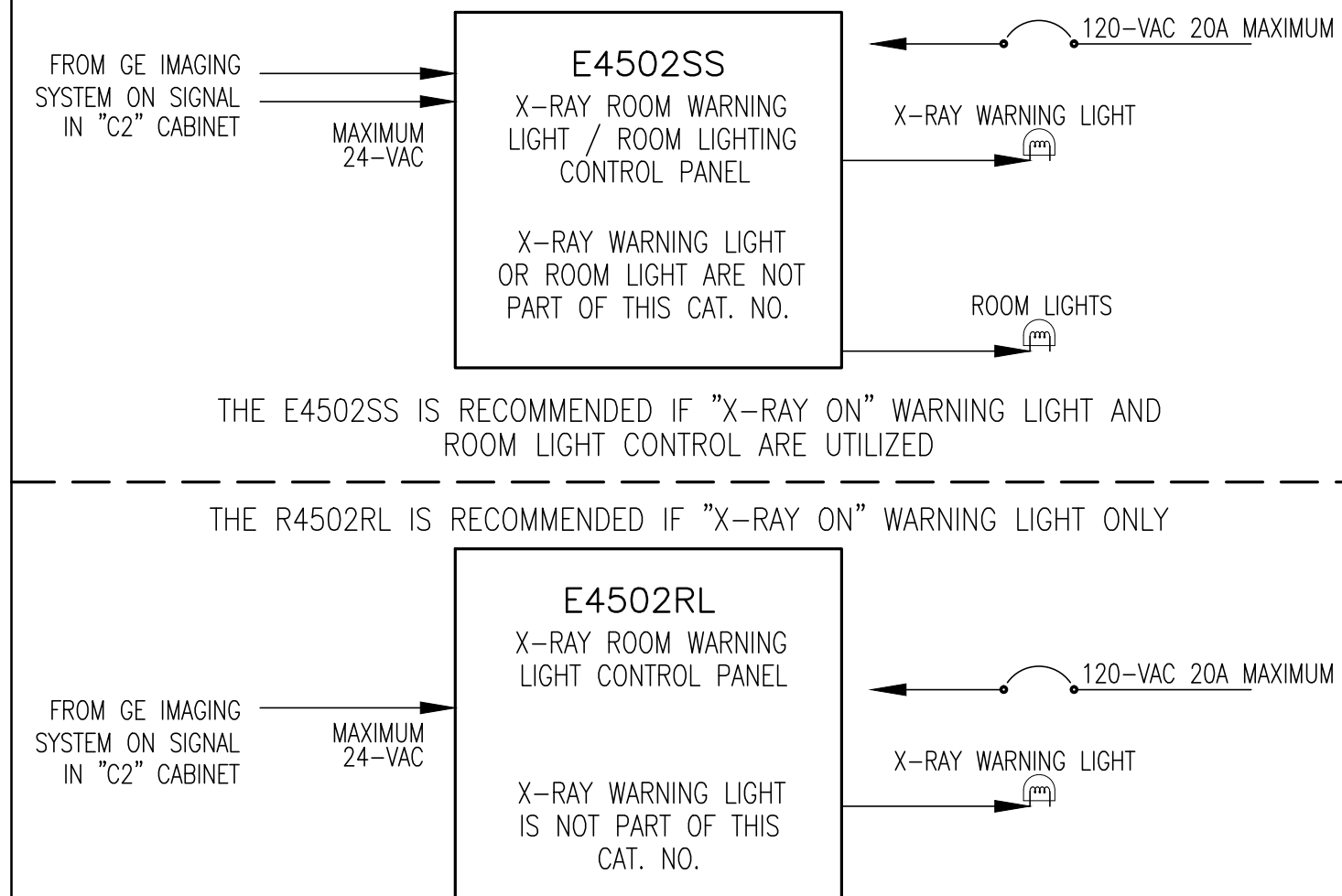
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
X-RAY WARNING LIGHT & ROOM LIGHT CONTROL PANEL **ELEC-157**

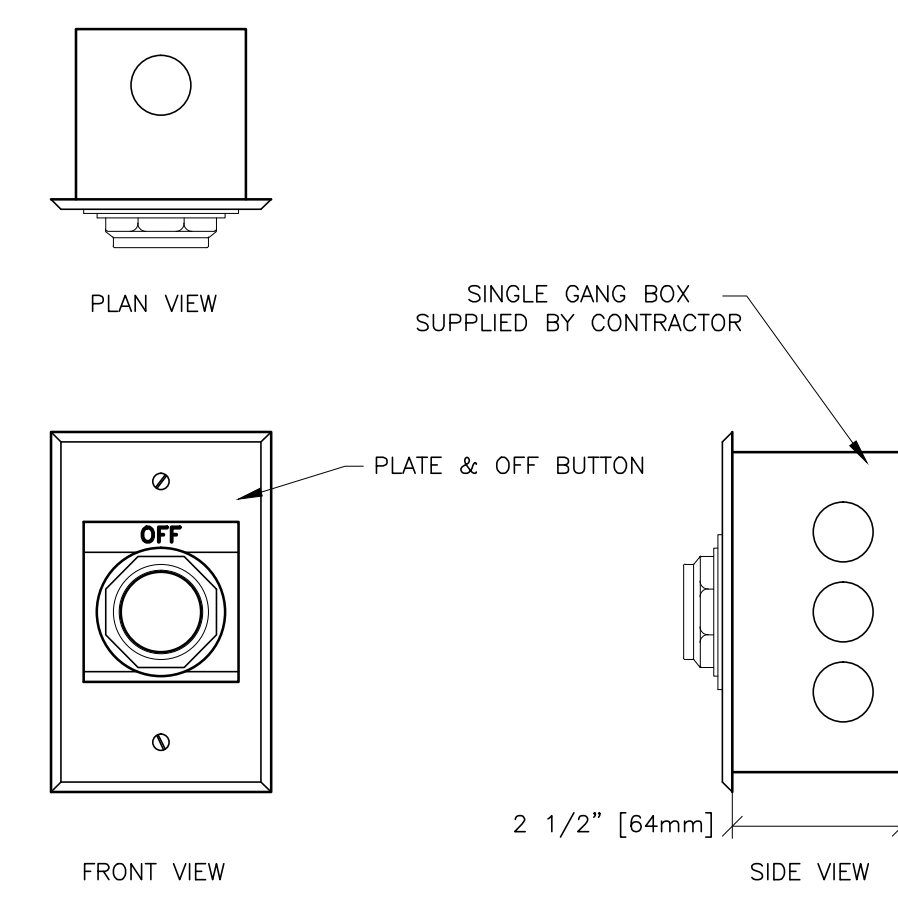
REV. DATE: 04/23/09



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
EMERGENCY OFF BUTTON **ELEC-16**

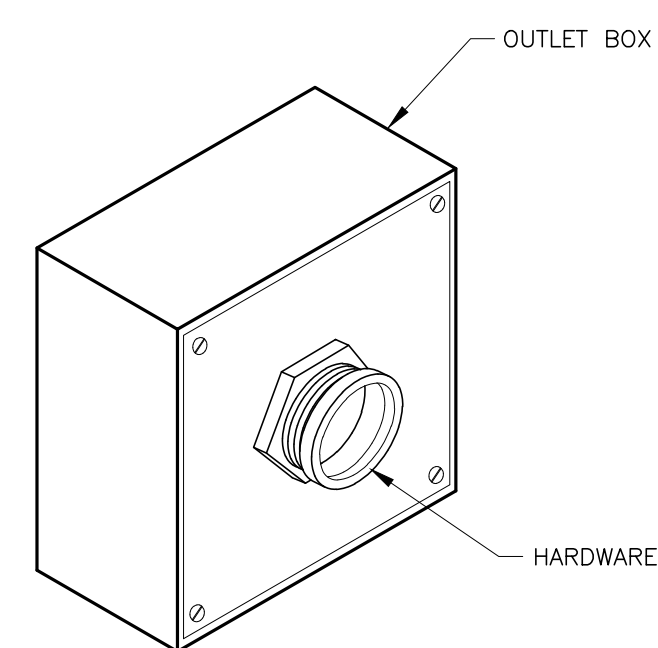
REV. DATE: 05/14/09



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL) **ELEC-8**

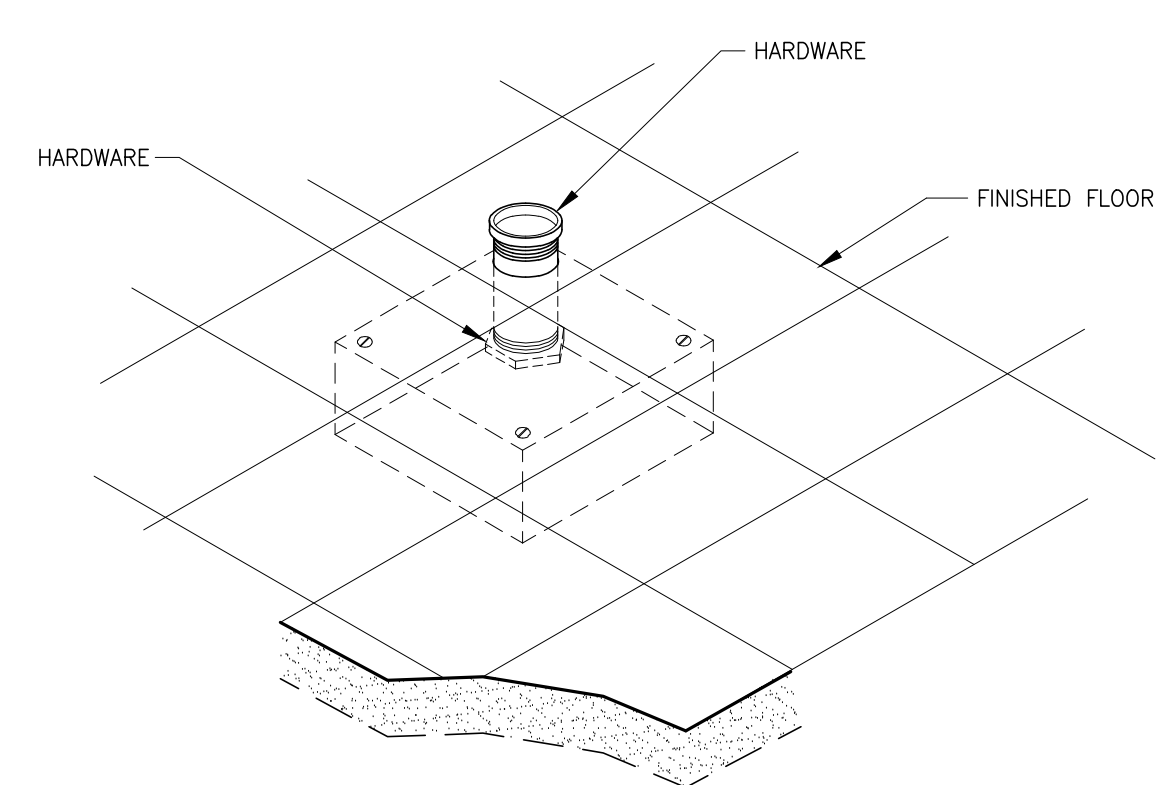
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECTION – BOX BELOW FLOOR **ELEC-48**

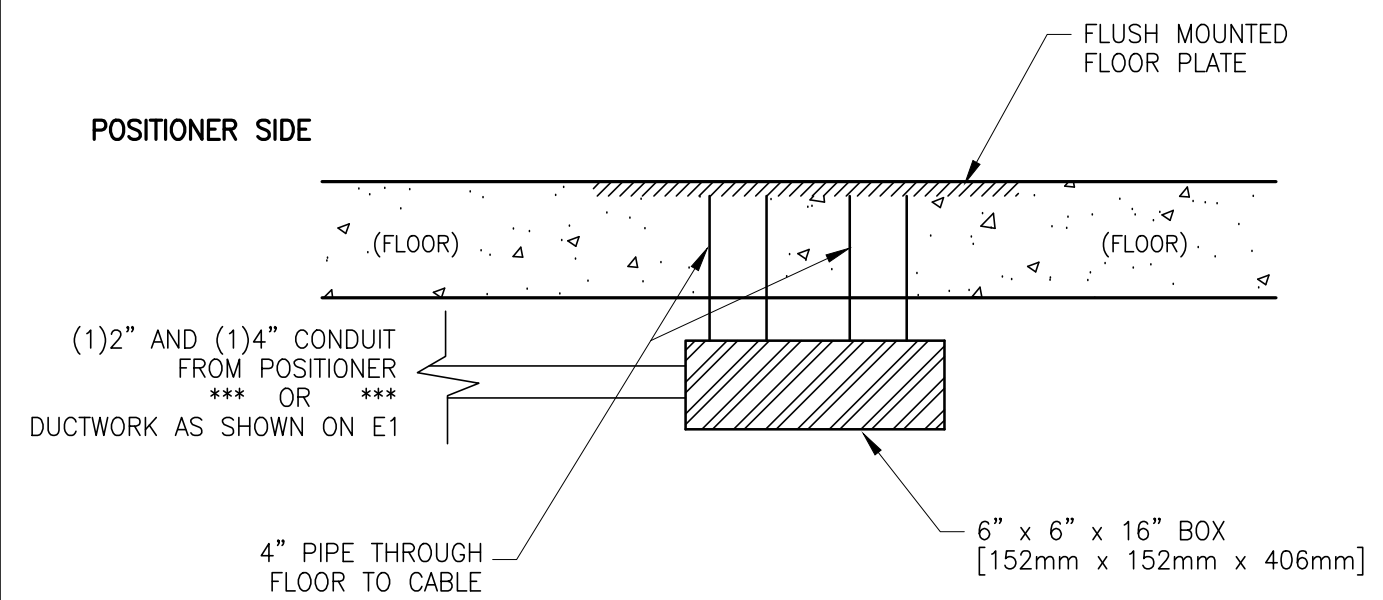
REV. DATE: 01/04/96



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECT DETAIL, UNDER FLOOR **ELEC-134**

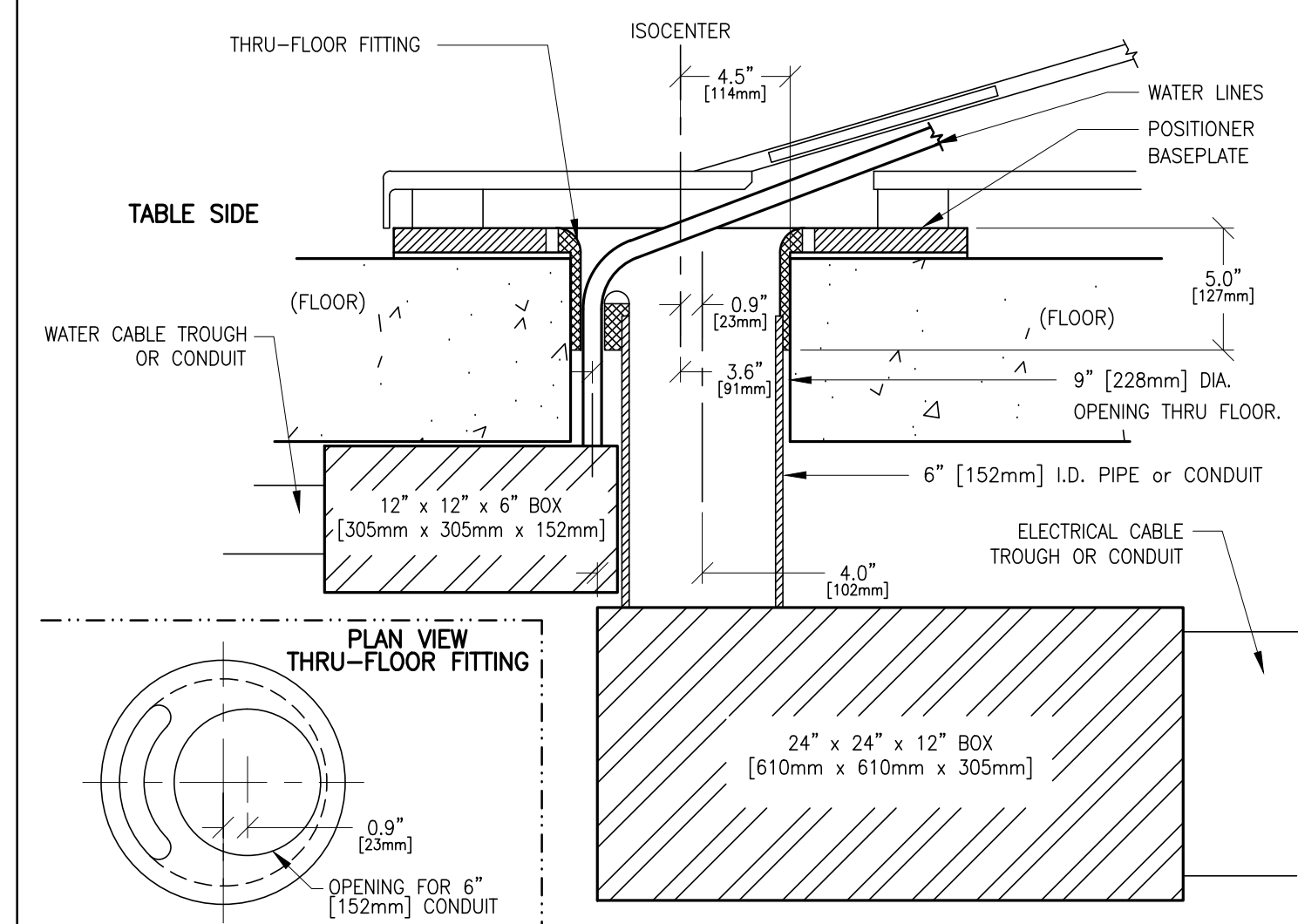
REV. DATE: 05/10/04



NOTE: PIPE, JUNCTION BOX AND DUCT OR CONDUIT ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER or CUSTOMER'S CONTRACTOR.

ELECTRICAL DETAIL
POSITIONER INTERCONNECT DETAIL, UNDER FLOOR **ELEC-100**

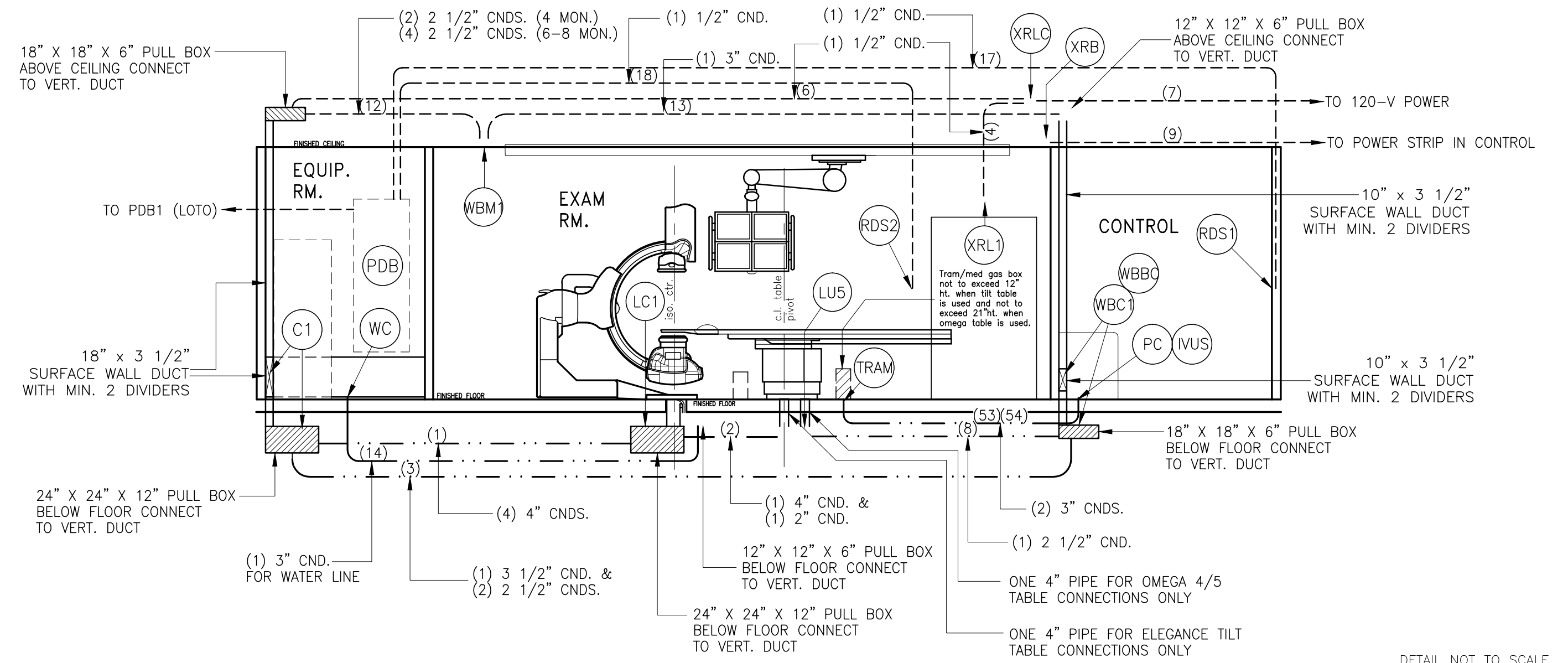
REV. DATE: 03/30/04



NOTE: PIPE, JUNCTION BOX AND DUCT OR CONDUIT ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER or CUSTOMER'S CONTRACTOR.

ELECTRICAL DETAIL
INNOVA PLUS WITH BOX AND CONDUIT RUNS **ELEC-177**

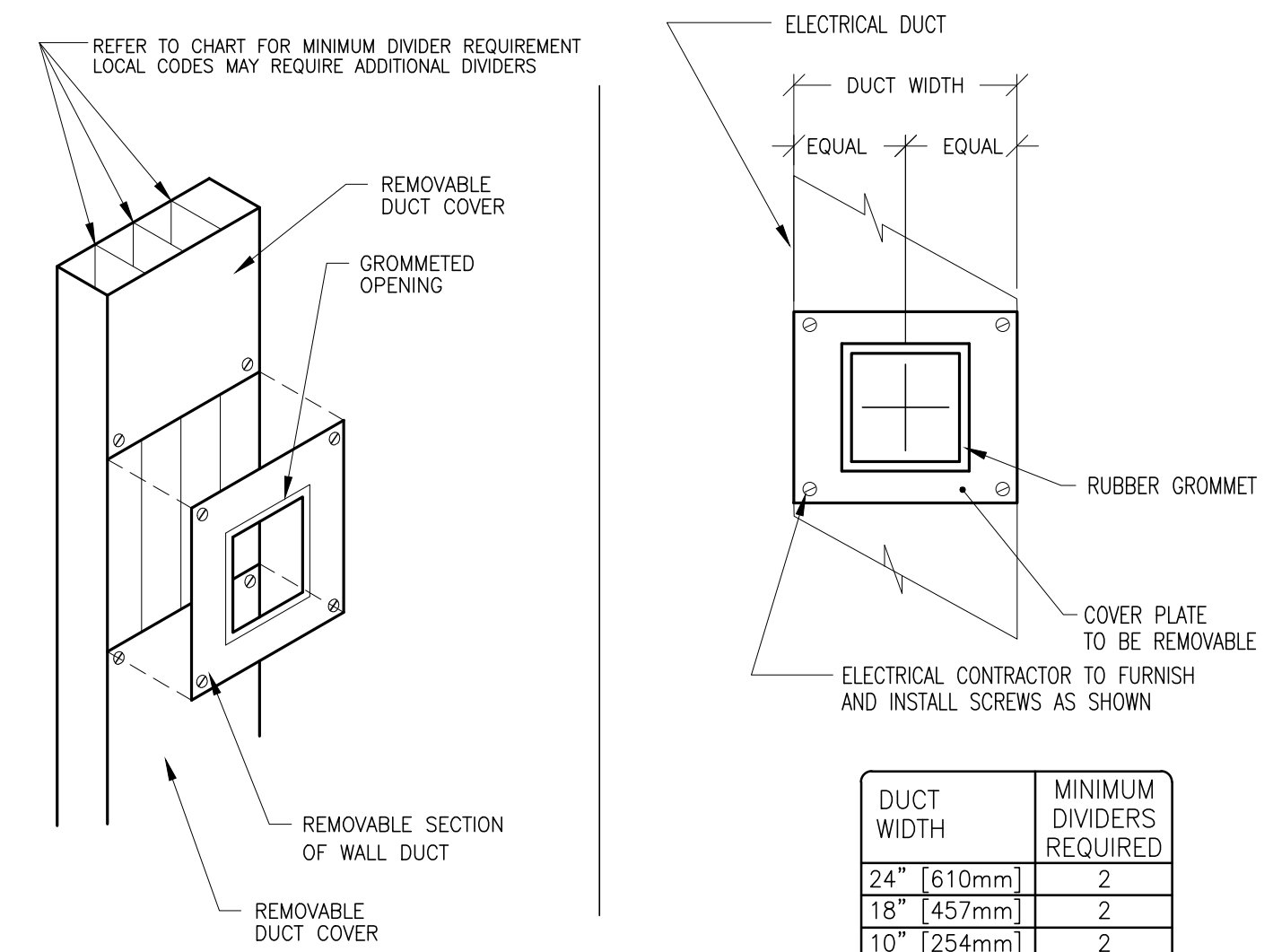
REV. DATE: 11.Nov.11



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
VERTICAL WALL DUCT (TYPICAL) **ELEC-6**

REV. DATE: 03/19/04

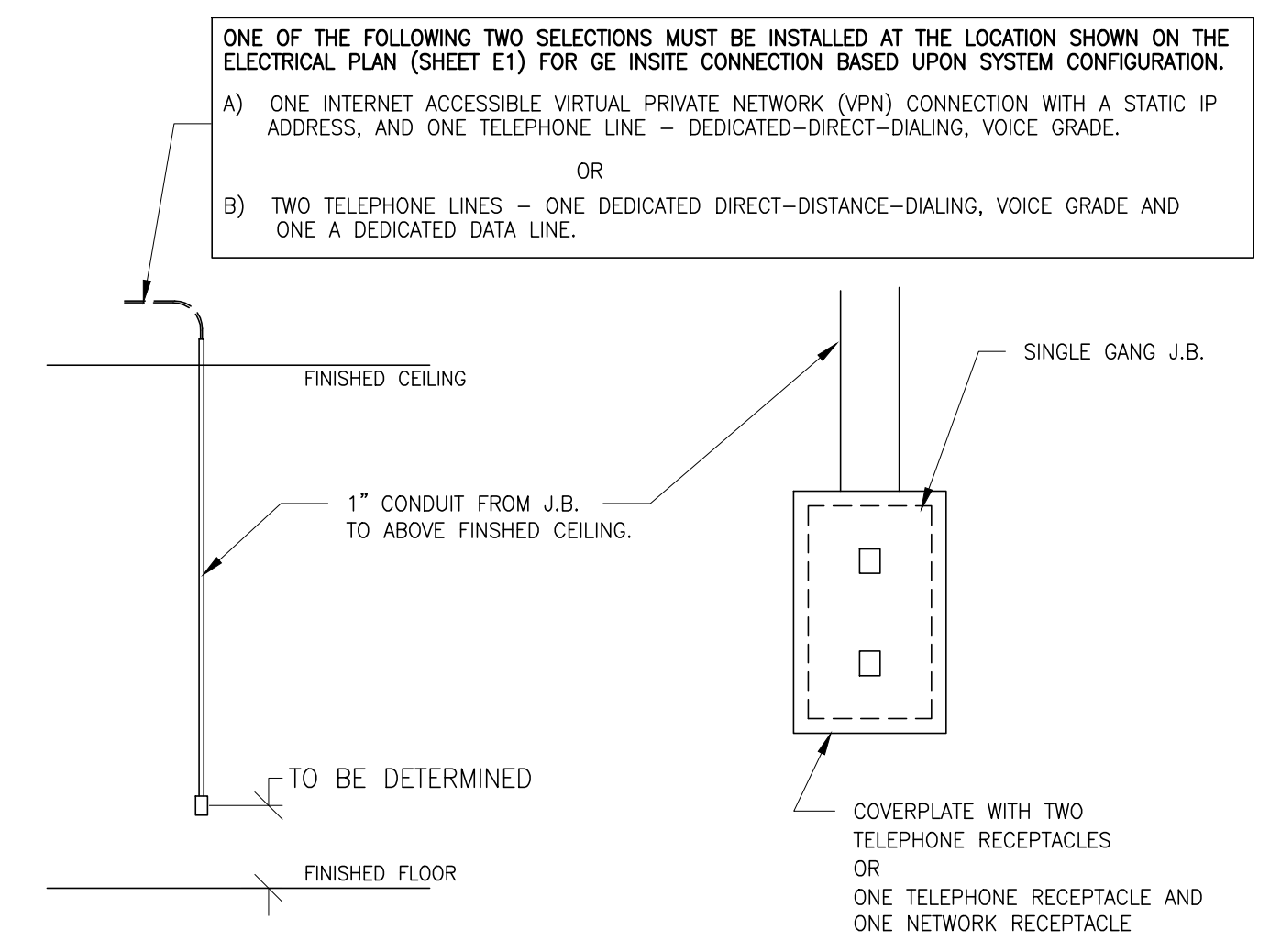


DUCT WIDTH	MINIMUM DIVIDERS REQUIRED
24" [610mm]	2
18" [457mm]	2
10" [254mm]	2
6" [152mm]	1
4" [102mm]	1

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

GE Healthcare
Healthcare Project Implementation – Design Center
Manufacture

SHEET TITLE: **ELECTRICAL DETAILS**
MODALITY TYPE: **INNOVA IGS 520, 530, 540**
THIS PLAN IS SUBMITTED TO REQUEST FOR APPROVAL OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE COMPANY'S POLICY ON ELECTRICAL CONSTRUCTION PRACTICES AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
INTERVENTIONAL RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68F	00

DATE: 18.Dec.13
DRAWN BY: JPH
CHECKED BY: TST

REVISION HISTORY:

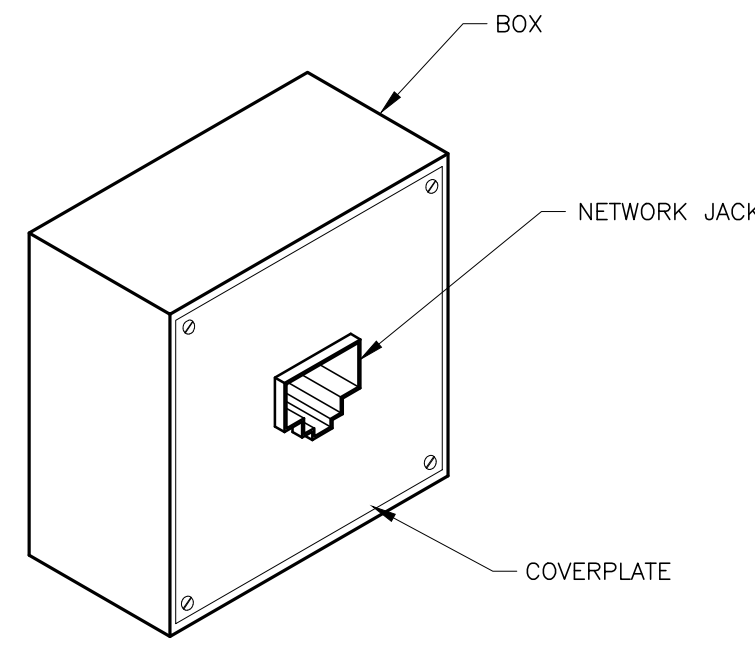
SHEET
E3

PIM R2
RQ - 140190

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

ELEC-83

REV. DATE: 10/06/98

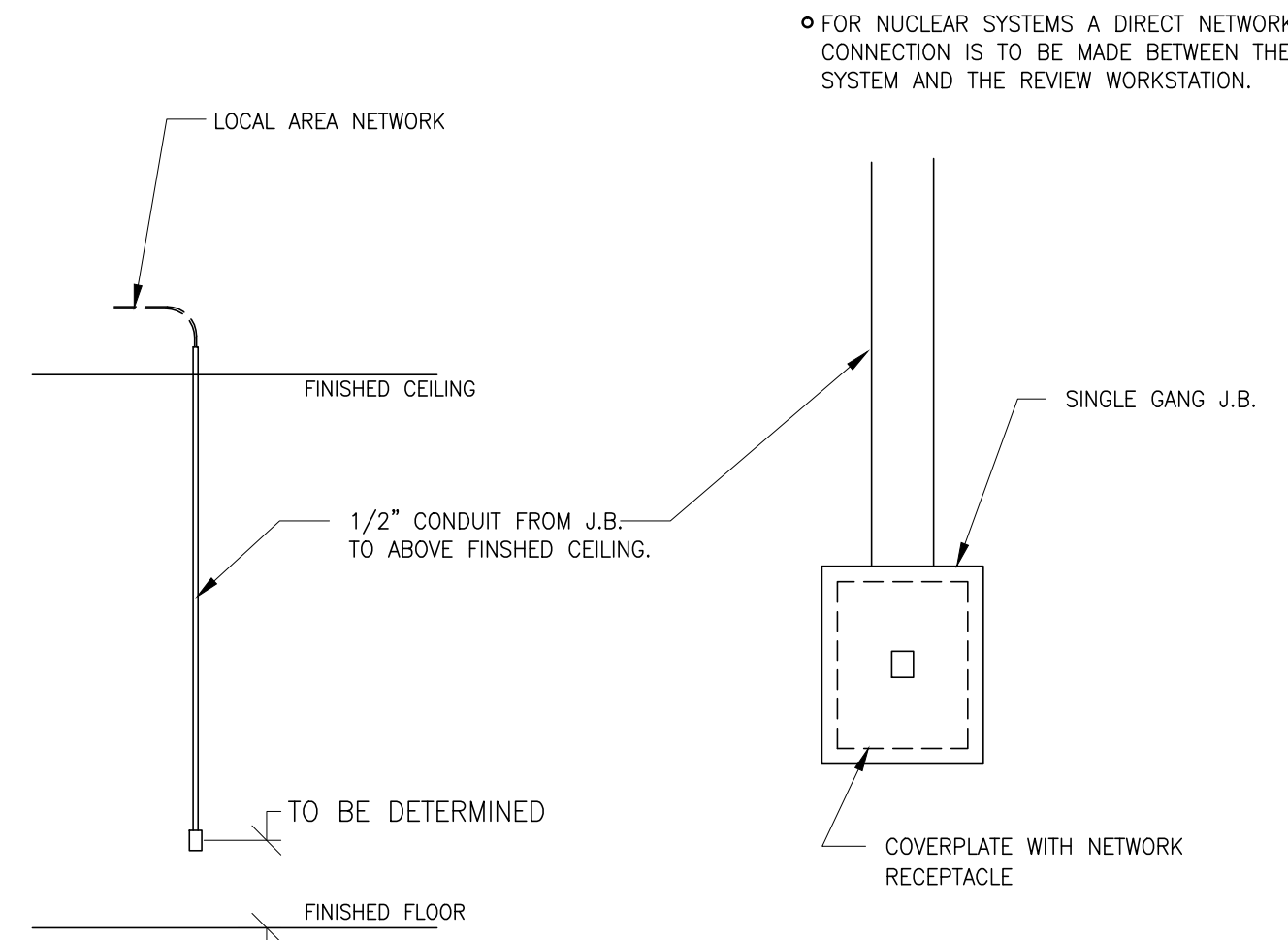


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
NETWORK CONNECTION (TYPICAL)

ELEC-84

REV. DATE: 03/06/04

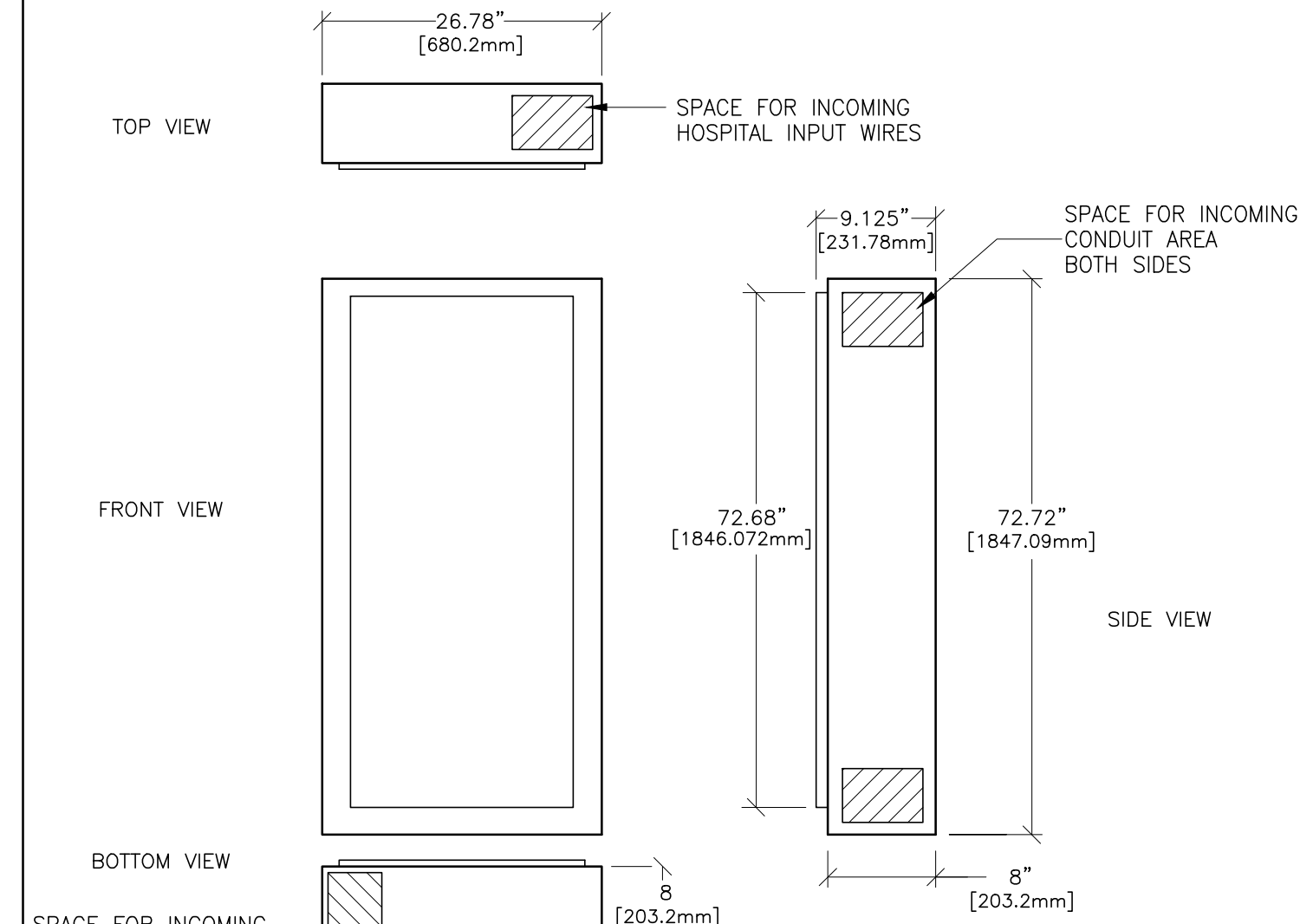


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INNOVA PLUS MAIN DISCONNECT PANEL

ELEC-161

REV. DATE: 09/27/10



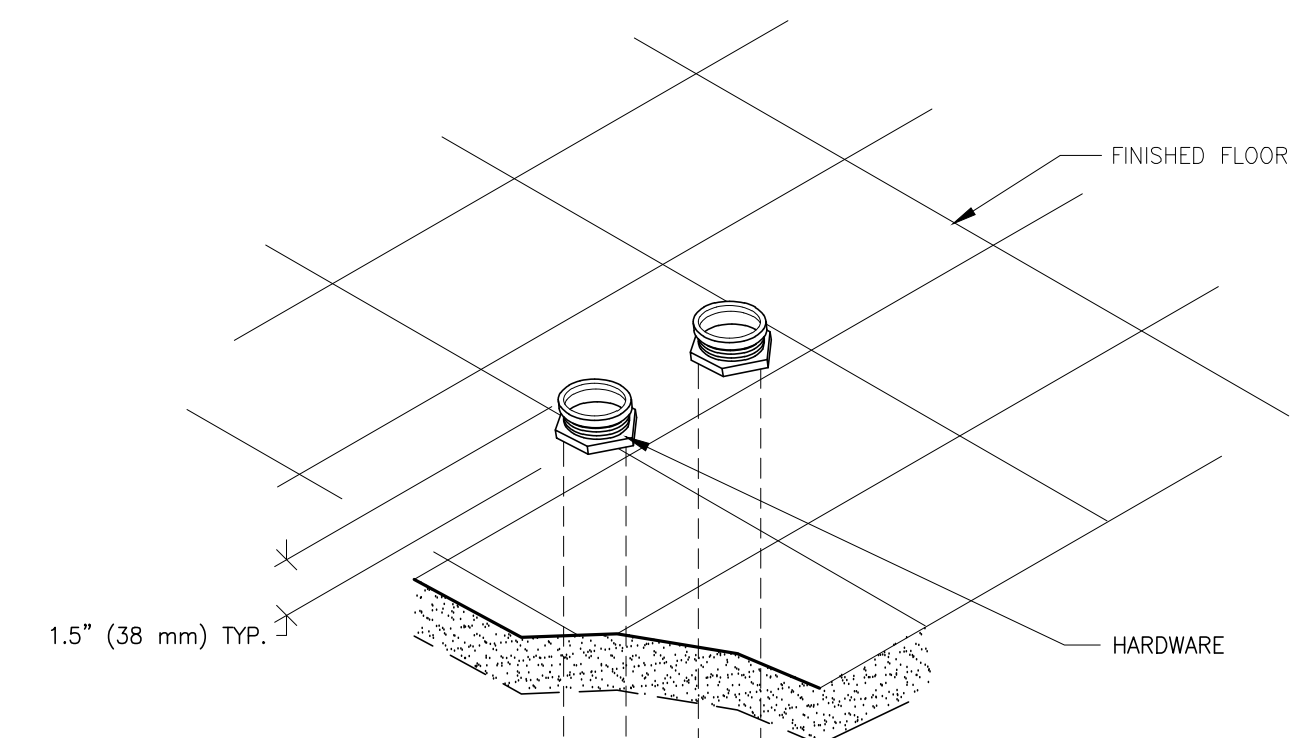
DETAIL NOT TO SCALE

NOTE: LINE WIRES AND UPS WIRES MUST NOT BE MIXED.

ELECTRICAL DETAIL
CONDUITS THRU-FLOOR (TYPICAL)

ELEC-9

REV. DATE: 08/08/94

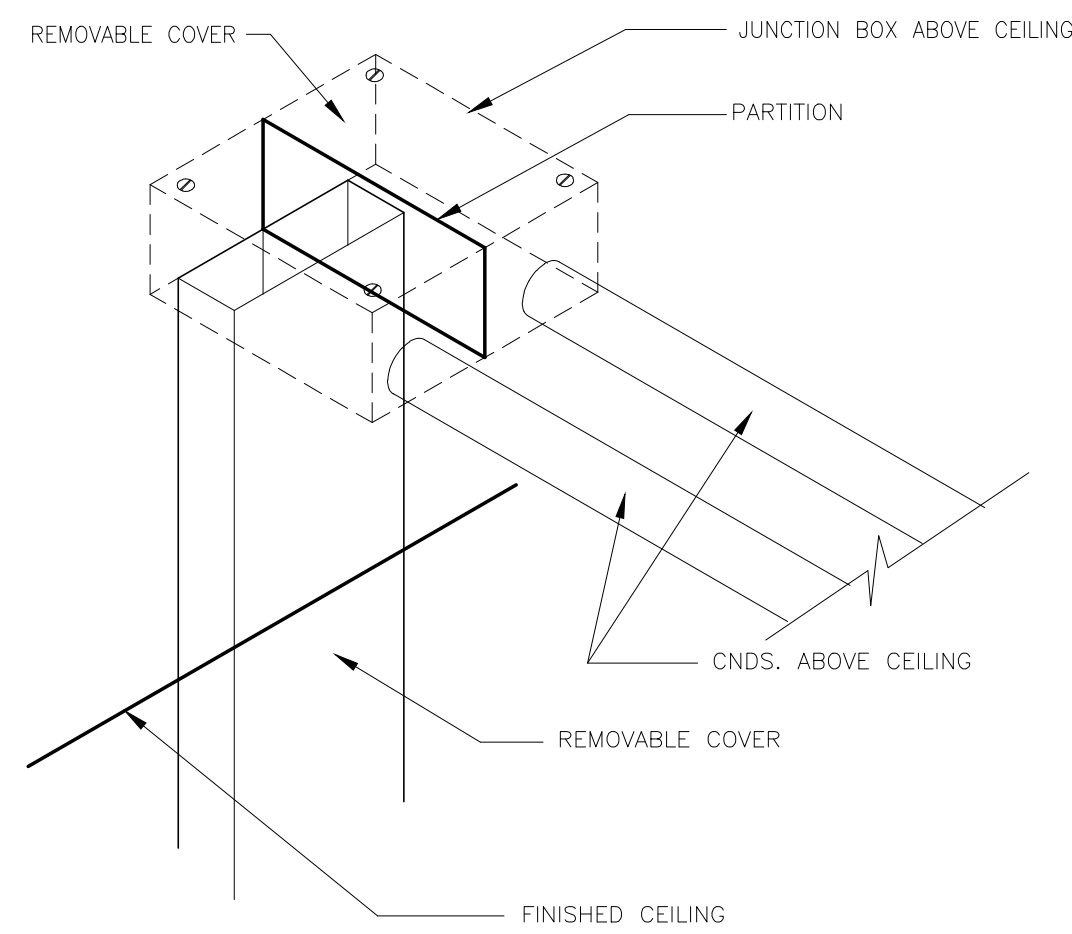


DETAIL NOT TO SCALE

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

ELEC-2

REV. DATE: 09/30/94

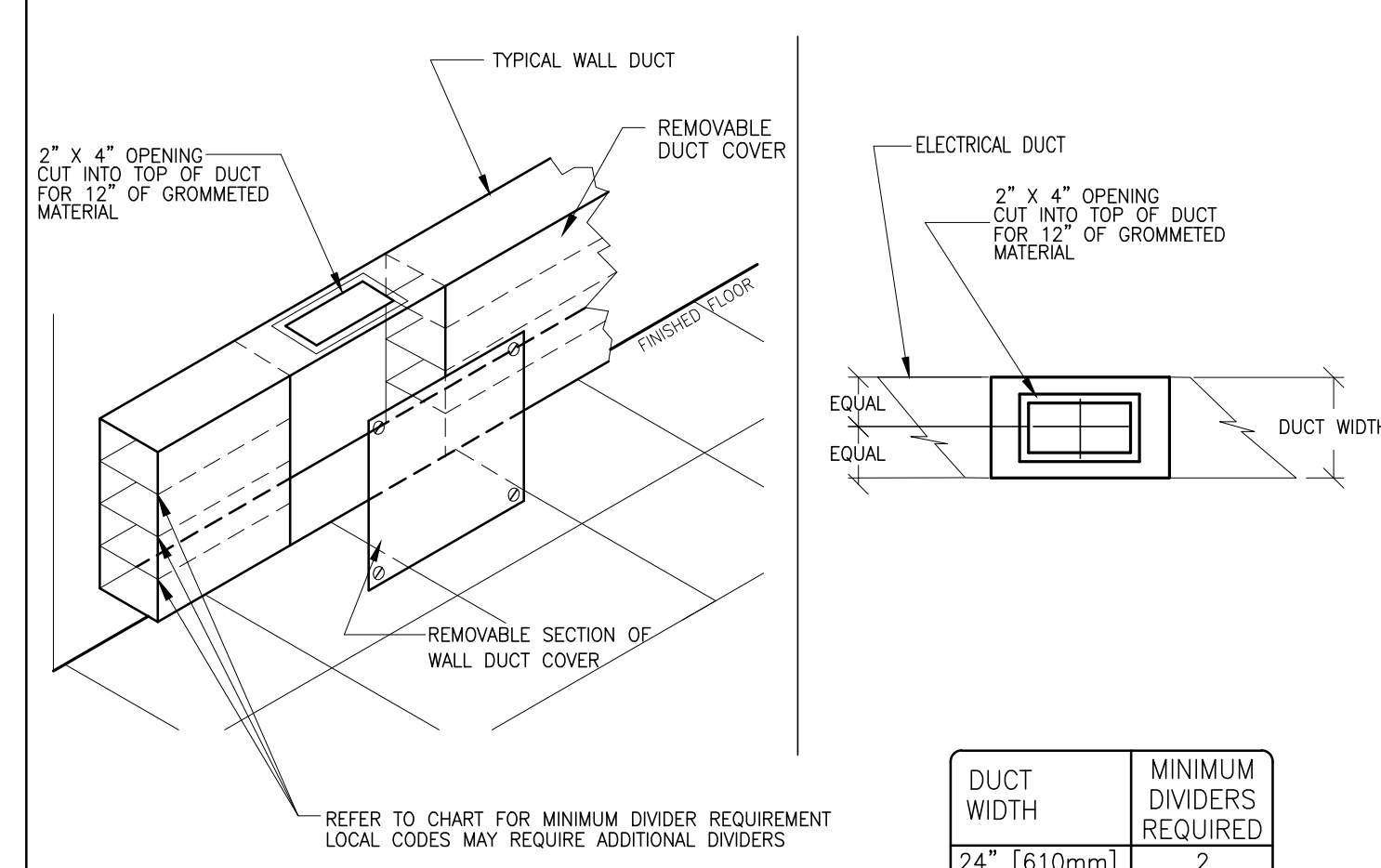


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

ELEC-5A

REV. DATE: 06/16/08



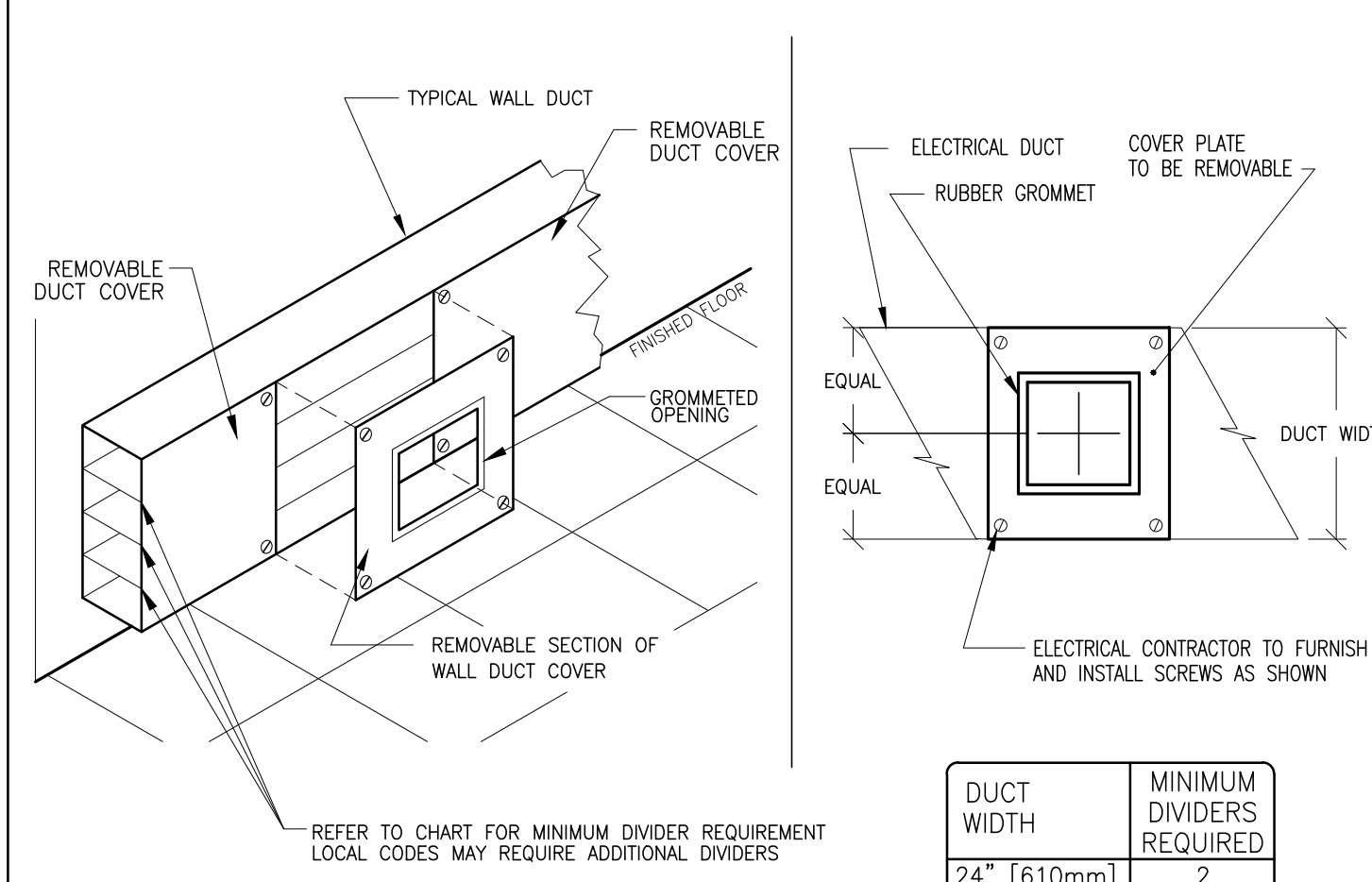
DETAIL NOT TO SCALE

DUCT WIDTH	MINIMUM DIVIDERS REQUIRED
24" [610mm]	2
18" [457mm]	2
10" [254mm]	2
6" [152mm]	1
4" [102mm]	1

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

ELEC-5

REV. DATE: 03/19/04



DETAIL NOT TO SCALE

DUCT WIDTH	MINIMUM DIVIDERS REQUIRED
24" [610mm]	2
18" [457mm]	2
10" [254mm]	2
6" [152mm]	1
4" [102mm]	1

SHEET TITLE: ELECTRICAL DETAILS

MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF 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 NATIONAL ELECTRICAL CODE, LOCAL CODES, AND THE COMPANY'S ACTUAL CONSTRUCTION PRACTICES. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL
RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT	REVISION
4-68f	00

DATE: 18.Dec.13
DRAWN BY: JPH
CHECKED BY: TST

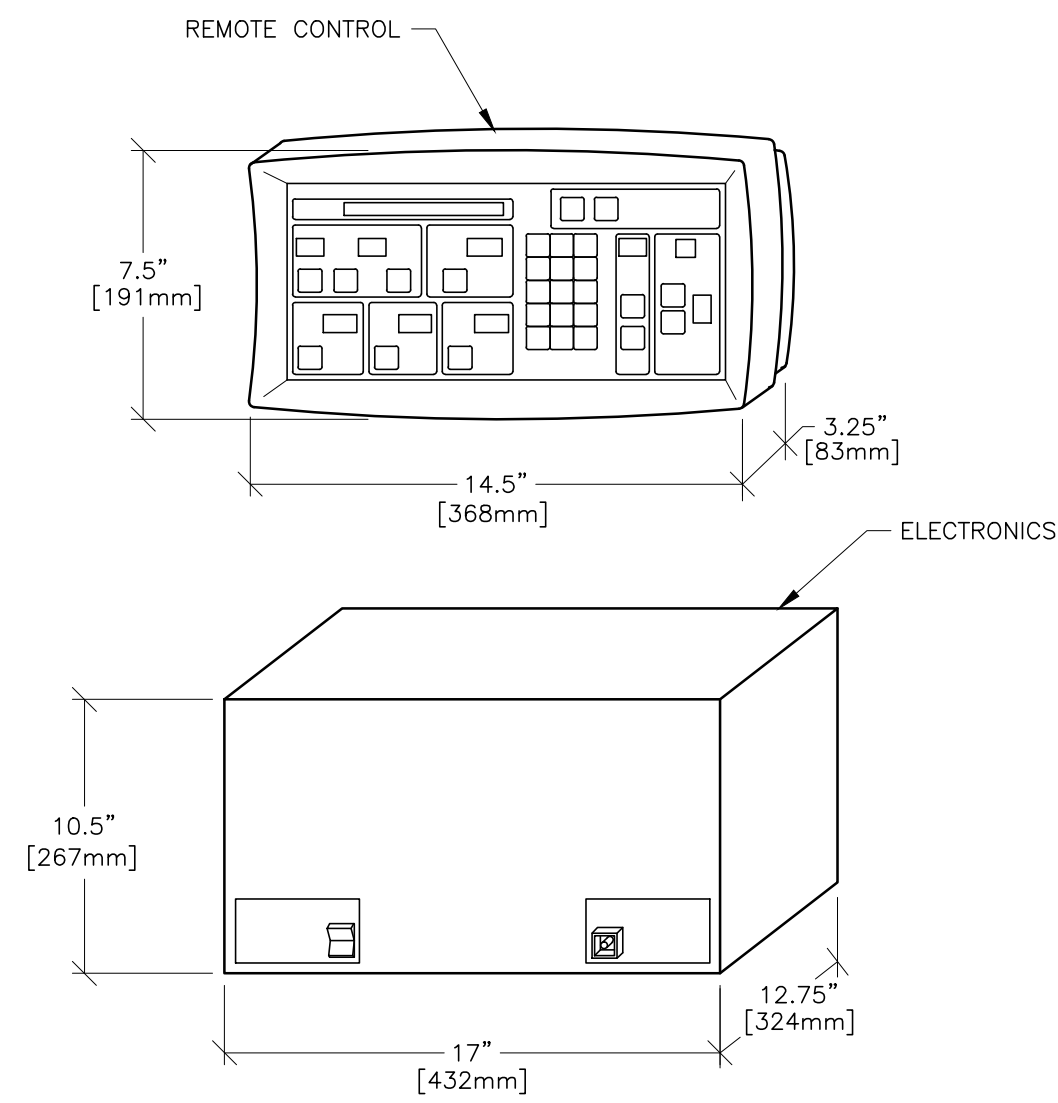
REVISION HISTORY:

SHEET

E4

EQUIPMENT DETAIL
INJECTOR REMOTE CONTROL AND ELECTRONICS

B50-28



DRAWING NOT TO SCALE

EQUIPMENT DETAIL
TRAM-RAC 4A

B5047

REV. DATE: 05/26/04

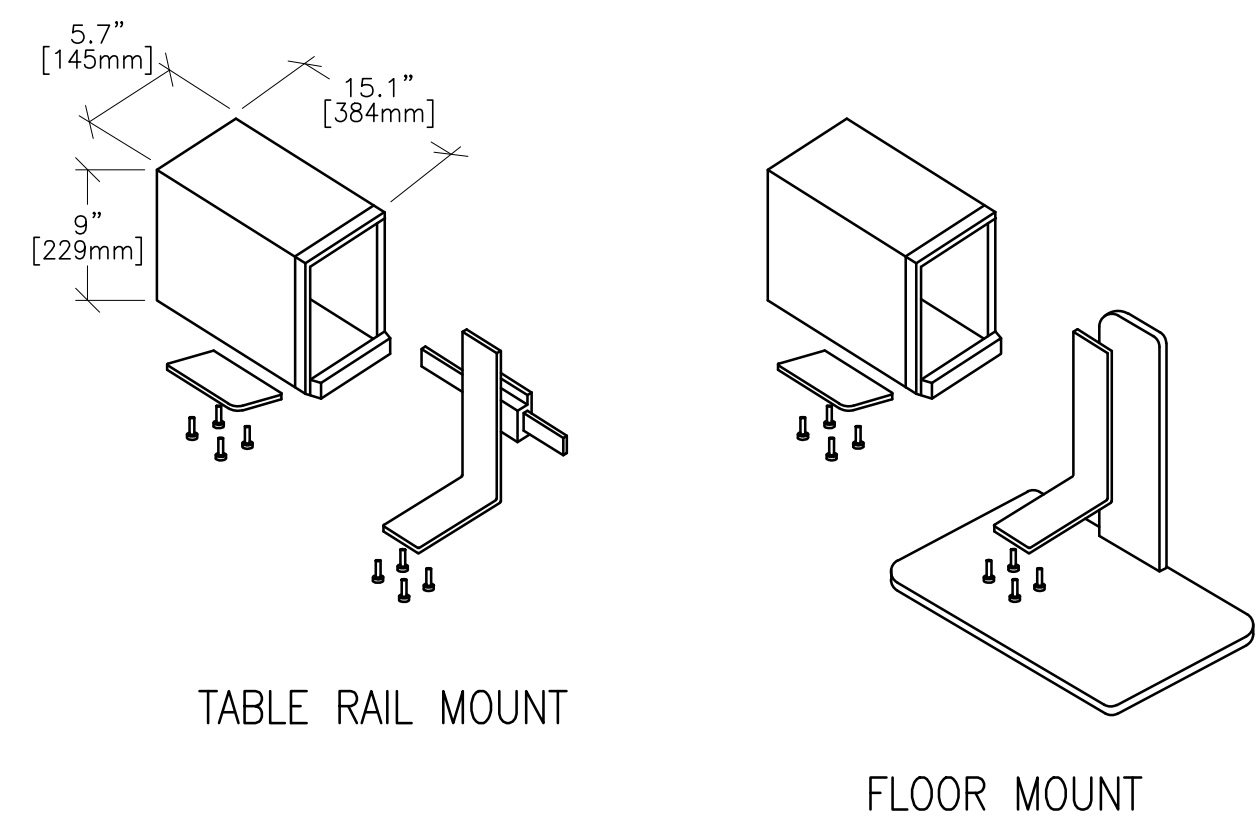


TABLE RAIL MOUNT

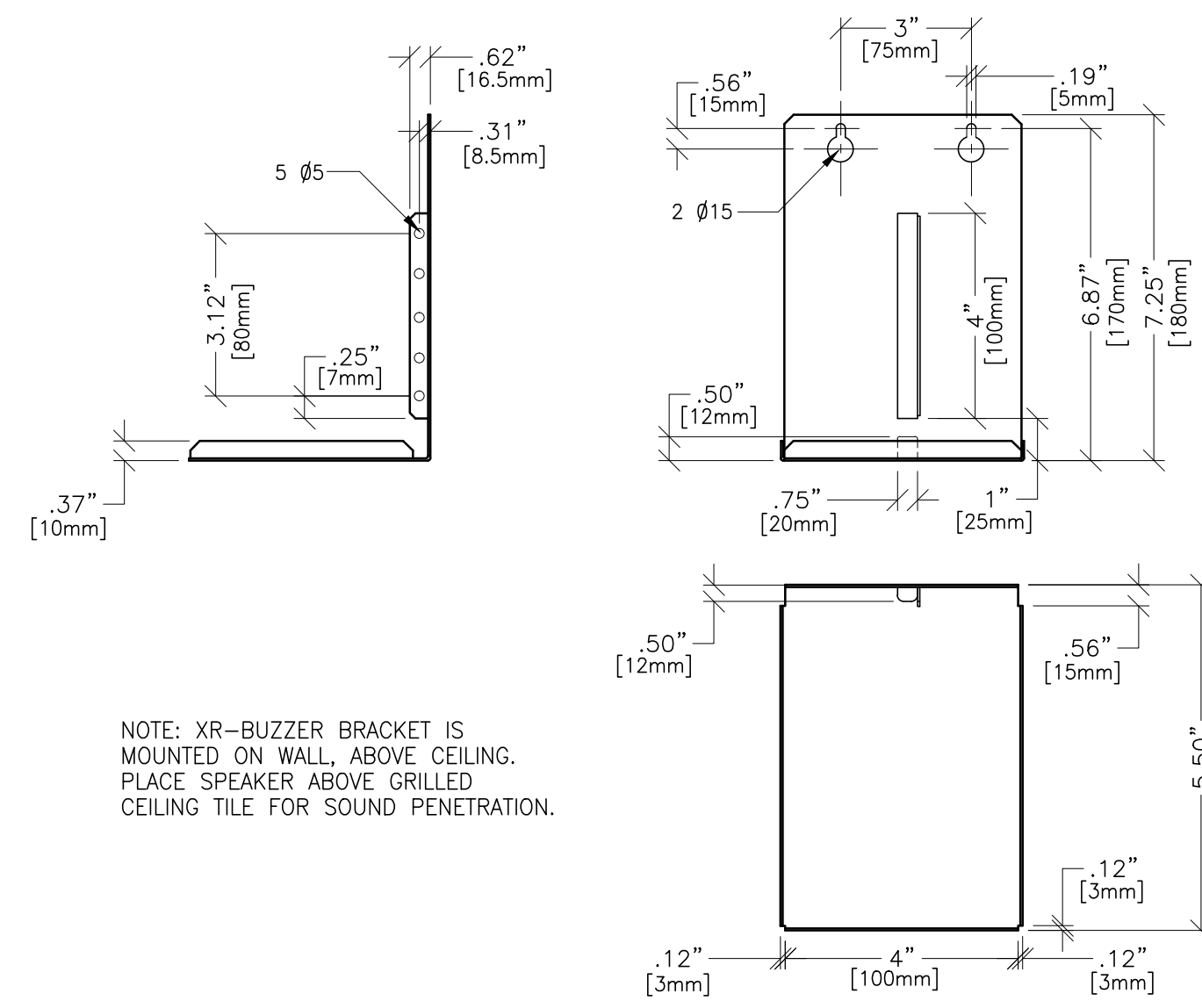
FLOOR MOUNT

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
XR-BUZZER BRACKET

B5150H

REV. 00: 10/30/08



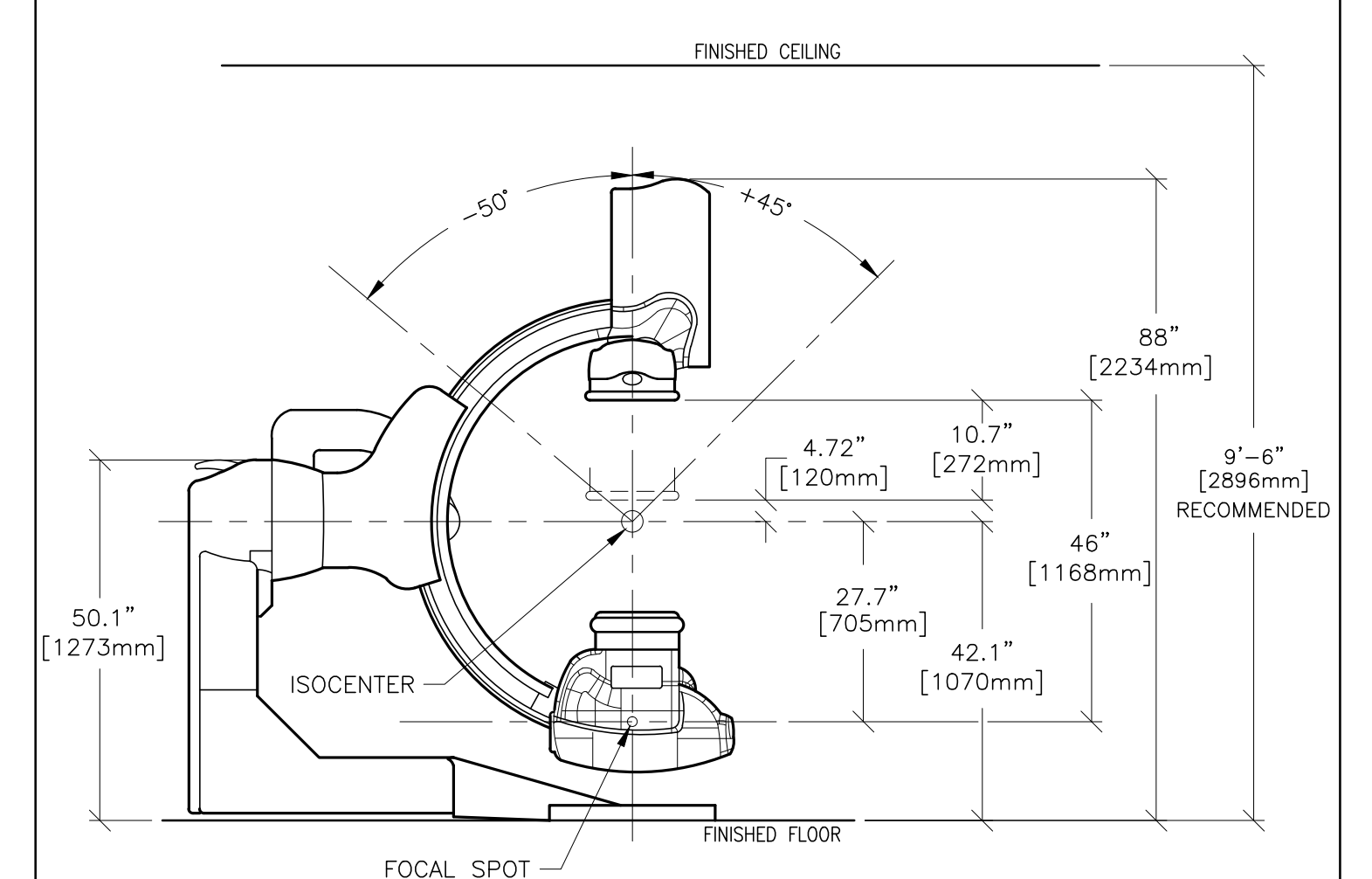
NOTE: XR-BUZZER BRACKET IS MOUNTED ON WALL, ABOVE CEILING. PLACE SPEAKER ABOVE GRILLED CEILING TILE FOR SOUND PENETRATION.

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA VASCULAR SYSTEM

B5050A

REV. DATE: 06/07/05

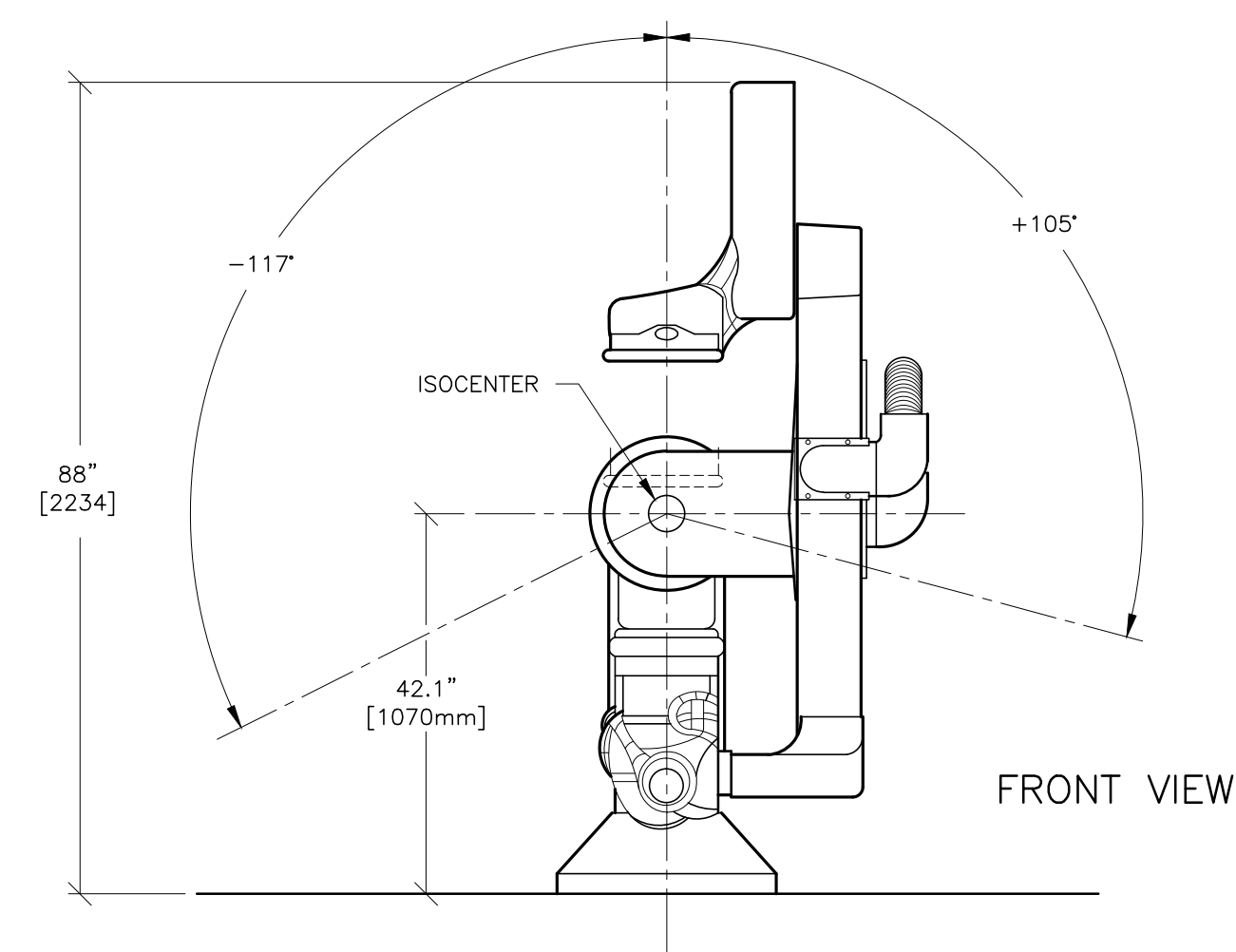


DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA VASCULAR SYSTEM

B5050B

REV. DATE: 06/07/05



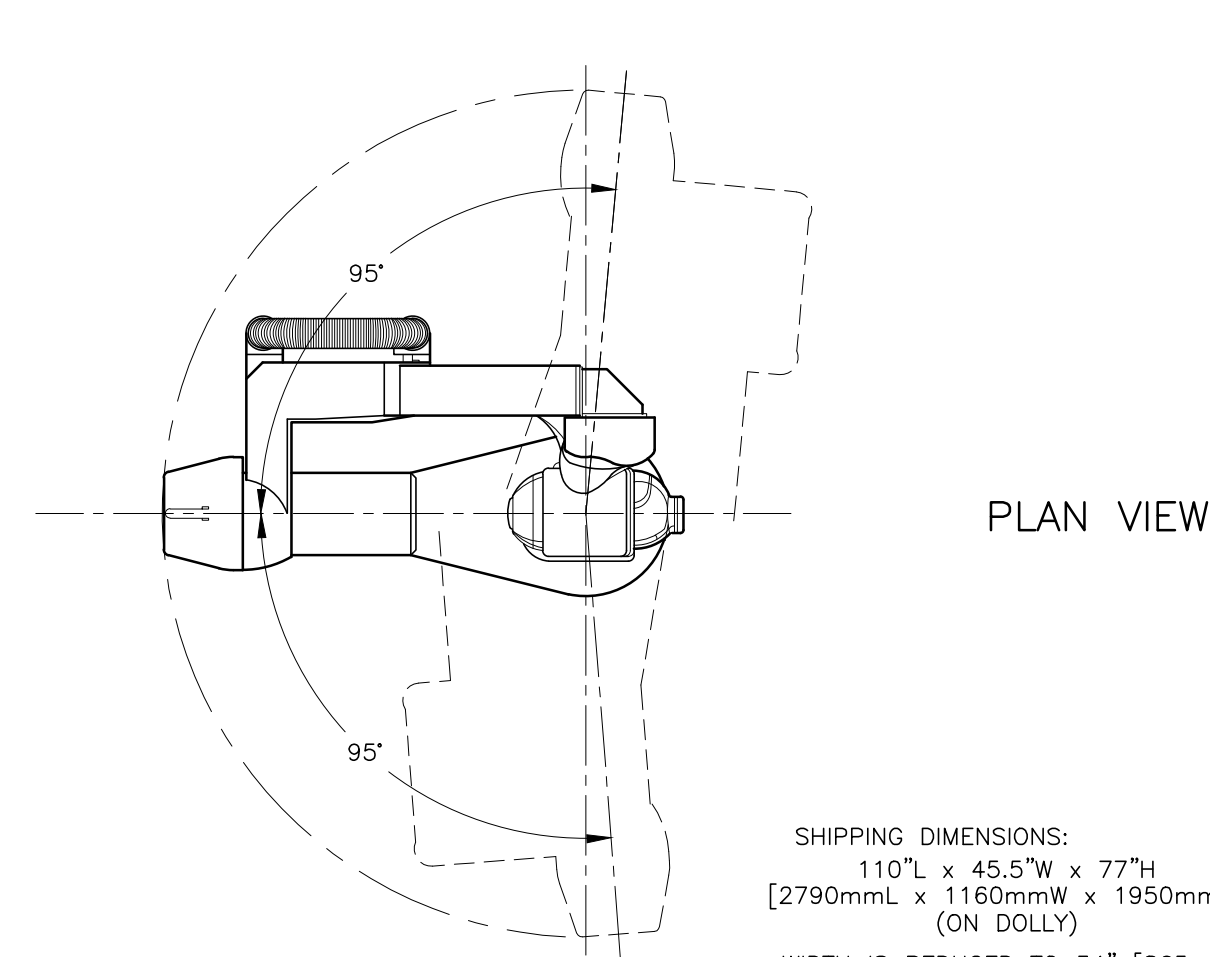
FRONT VIEW

DRAWING NOT TO SCALE

EQUIPMENT DETAIL
INNOVA VASCULAR SYSTEM

B5050

REV. DATE: 02/22/05



PLAN VIEW

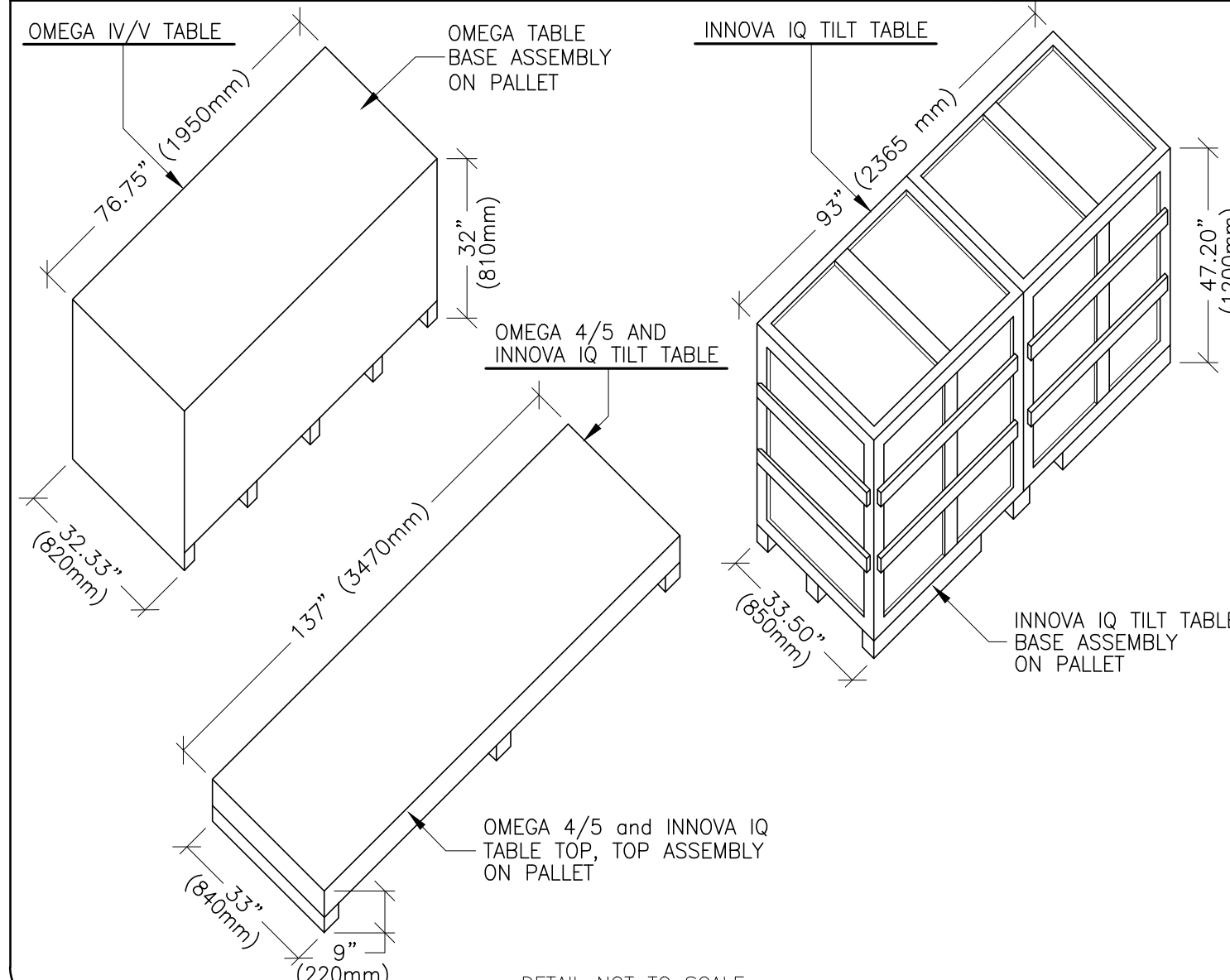
SHIPPING DIMENSIONS:
110"L x 45.5"W x 77"H
[2790mmL x 1160mmW x 1950mmH]
(ON DOLLY)
WIDTH IS REDUCED TO 34" [865mm]
BY REMOVING SIDE RAILS

DRAWING NOT TO SCALE

EQUIPMENT DETAIL
SHIPPING CREATE FOR OMEGA & INNOVA IQ TABLES

B5050E

REV. DATE: 12/07/09

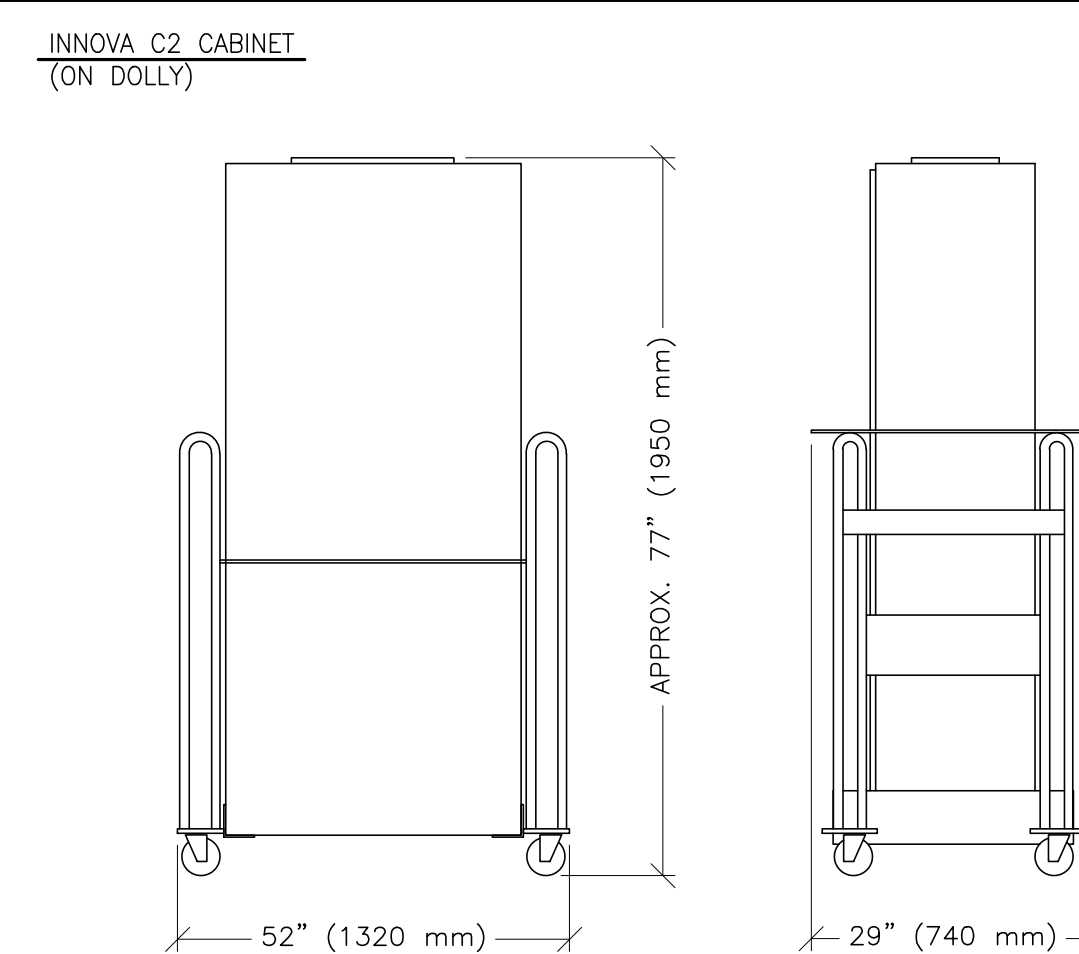


DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA C2 CABINET ON SHIPPING DOLLY

B5050F

REV. DATE: 12/07/09



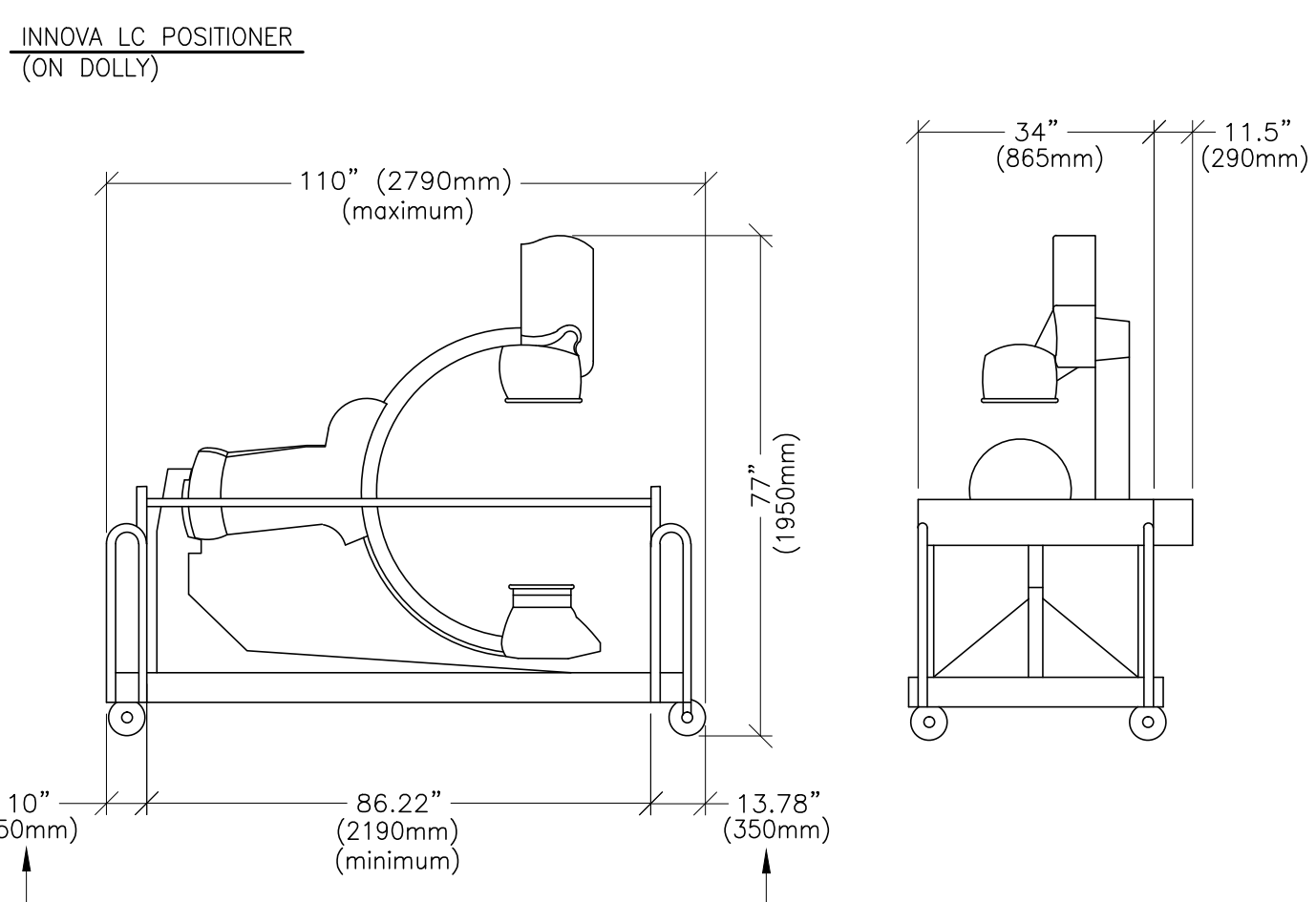
SHIPPING WEIGHT: 821 LBS. (372 kg)(C2-HARMONY SYSTEMS)
SHIPPING WEIGHT: 785 LBS. (356 kg)(C2-BIPLANE SYSTEMS)

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
SHIPPING DOLLY FOR INNOVA LC POSITIONER

B5050G

REV. DATE: 12/07/09



NOTE:
BOTH ENDS OF THE DOLLY CAN BE REMOVED WHICH WILL SHORTEN LC GANTRY DOLLY DONE TO 86.22" (2190mm) RECOMMEND ONLY ONE SIDE BE REMOVED WHEN DELIVERY THROUGH HOSPITAL.

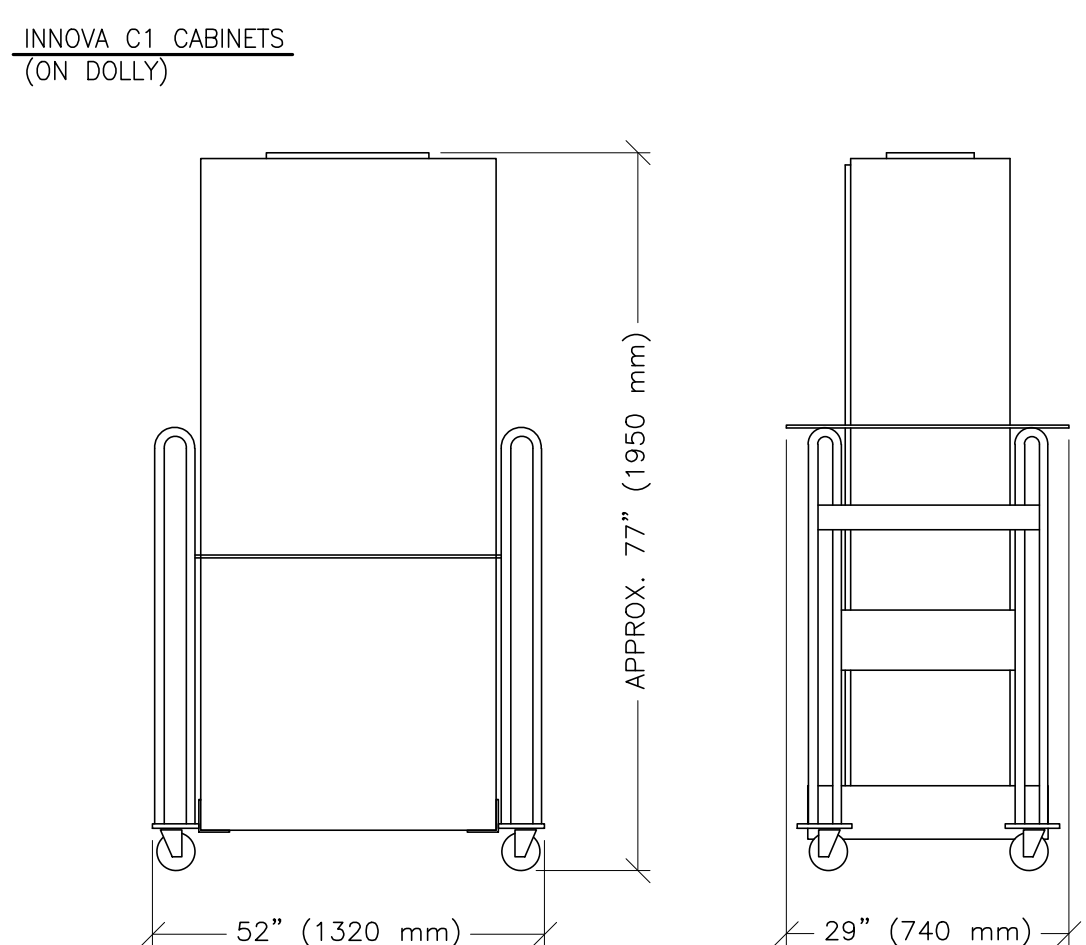
SHIPPING WEIGHT: 2340 lbs. (1060 kg)

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA C1 & C3 CABINETS ON SHIPPING DOLLY

B5050H

REV. DATE: 12/07/09



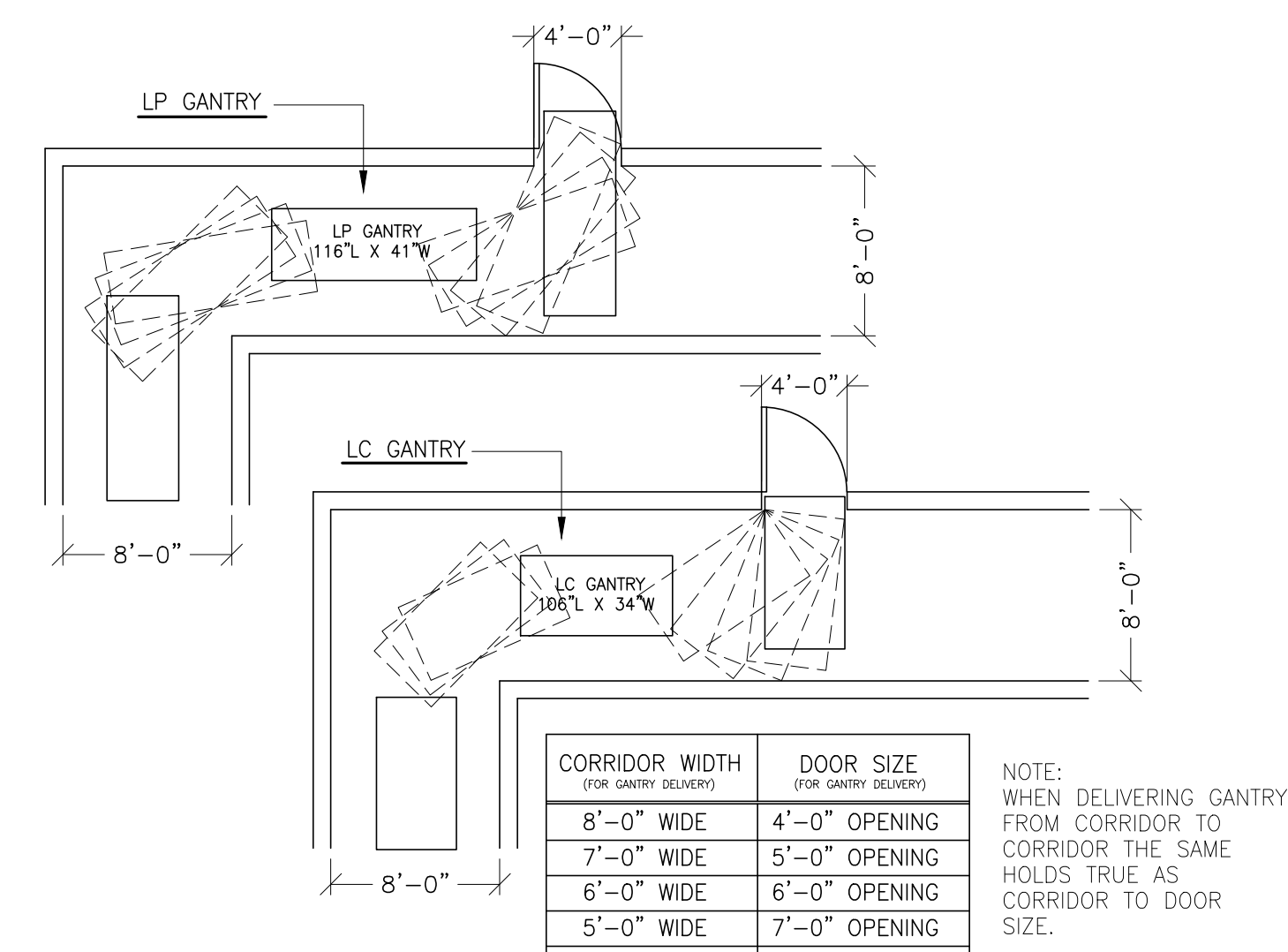
SHIPPING WEIGHT: 1277 lbs (579 kg) C1-HARMONY SYSTEMS)
SHIPPING WEIGHT: 1052 lbs (477 kg) C1 FRONTAL - BIPLANE SYSTEMS)
SHIPPING WEIGHT: 866 lbs (393 kg) C3 LATERAL - BIPLANE SYSTEMS)

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LP AND LC GANTRY DELIVERY PATH

B5050J

REV. DATE: 12/07/09



CORRIDOR WIDTH (FOR GANTRY DELIVERY)	DOOR SIZE (FOR GANTRY DELIVERY)
8'-0" WIDE	4'-0" OPENING
7'-0" WIDE	5'-0" OPENING
6'-0" WIDE	6'-0" OPENING
5'-0" WIDE	7'-0" OPENING
4'-0" WIDE	8'-0" OPENING

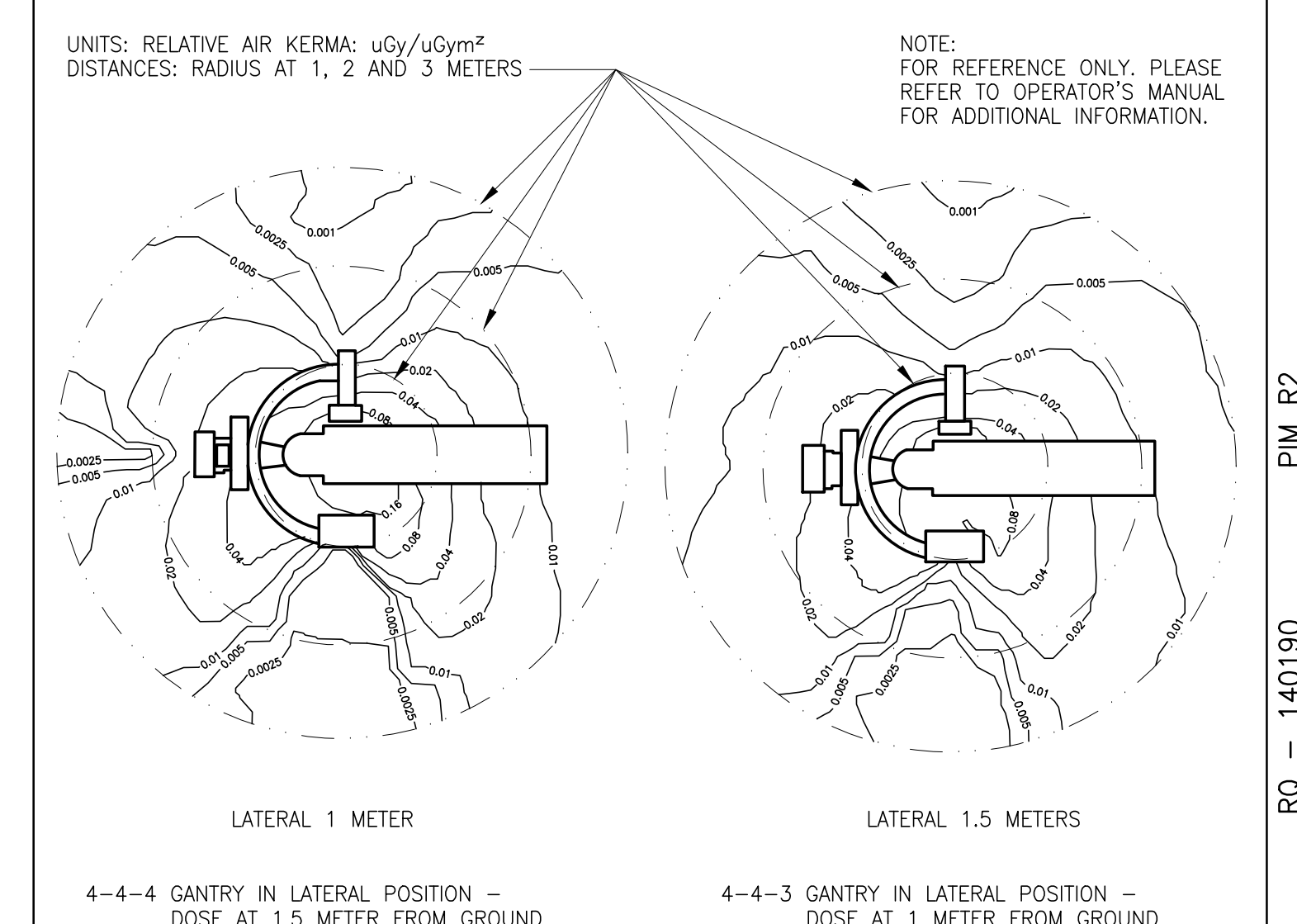
NOTE:
WHEN DELIVERING GANTRY FROM CORRIDOR TO CORRIDOR THE SAME HOLDS TRUE AS CORRIDOR TO DOOR SIZE.

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA RADIATION SCATTER PLOTS

B5050P

REV. DATE: 12/07/09



LATERAL 1 METER

LATERAL 1.5 METERS

4-4-4 GANTRY IN LATERAL POSITION - DOSE AT 1.5 METER FROM GROUND

4-4-3 GANTRY IN LATERAL POSITION - DOSE AT 1 METER FROM GROUND

DETAIL NOT TO SCALE

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

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO REQUEST FOR THE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE DETAILS AND DIMENSIONS SHOWN. HOWEVER, THE COMPANY CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

INTERVENTIONAL
RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT TITLE:

PROJECT	REVISION
4-68F	00
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	TST

REVISION HISTORY:

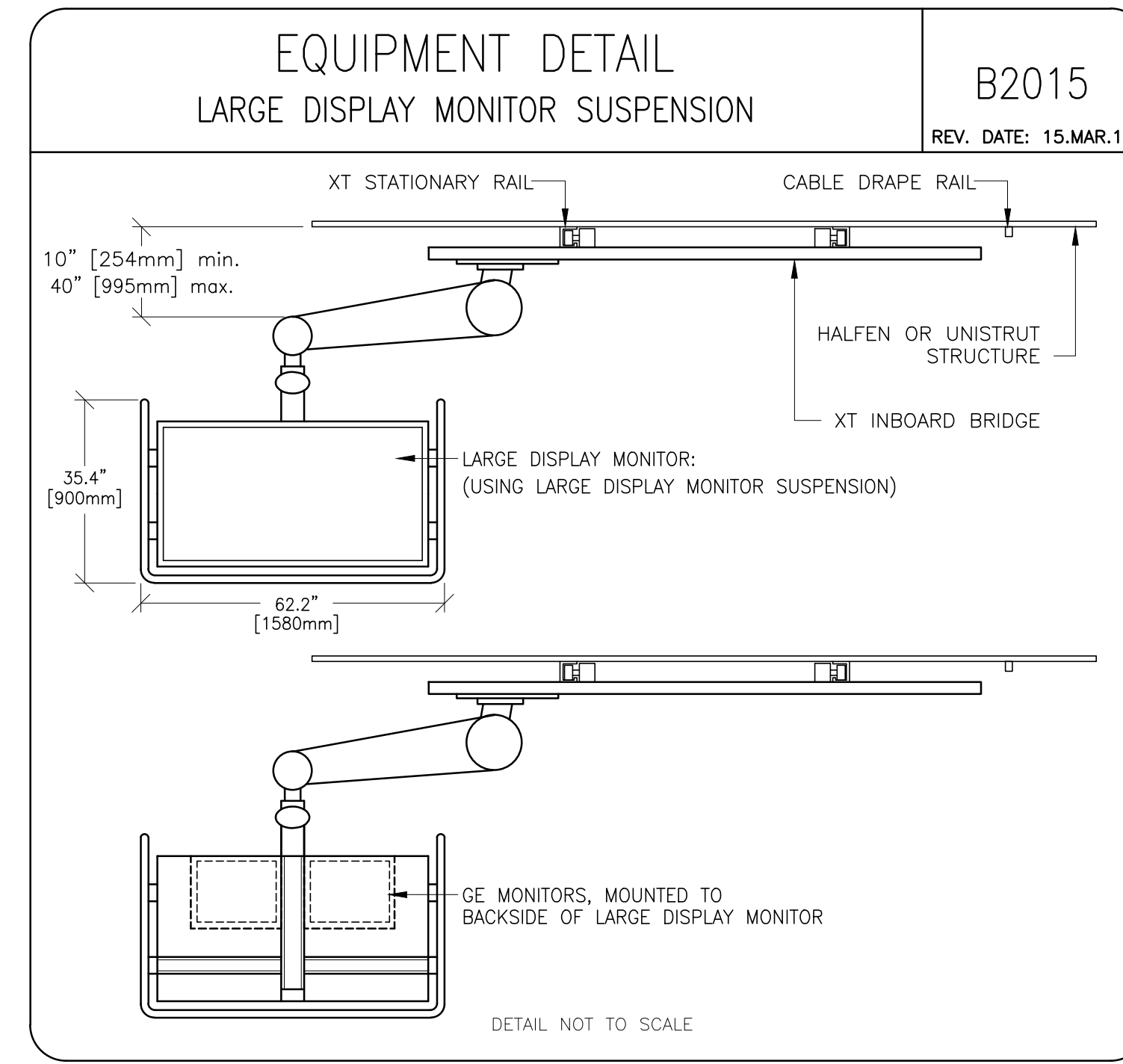
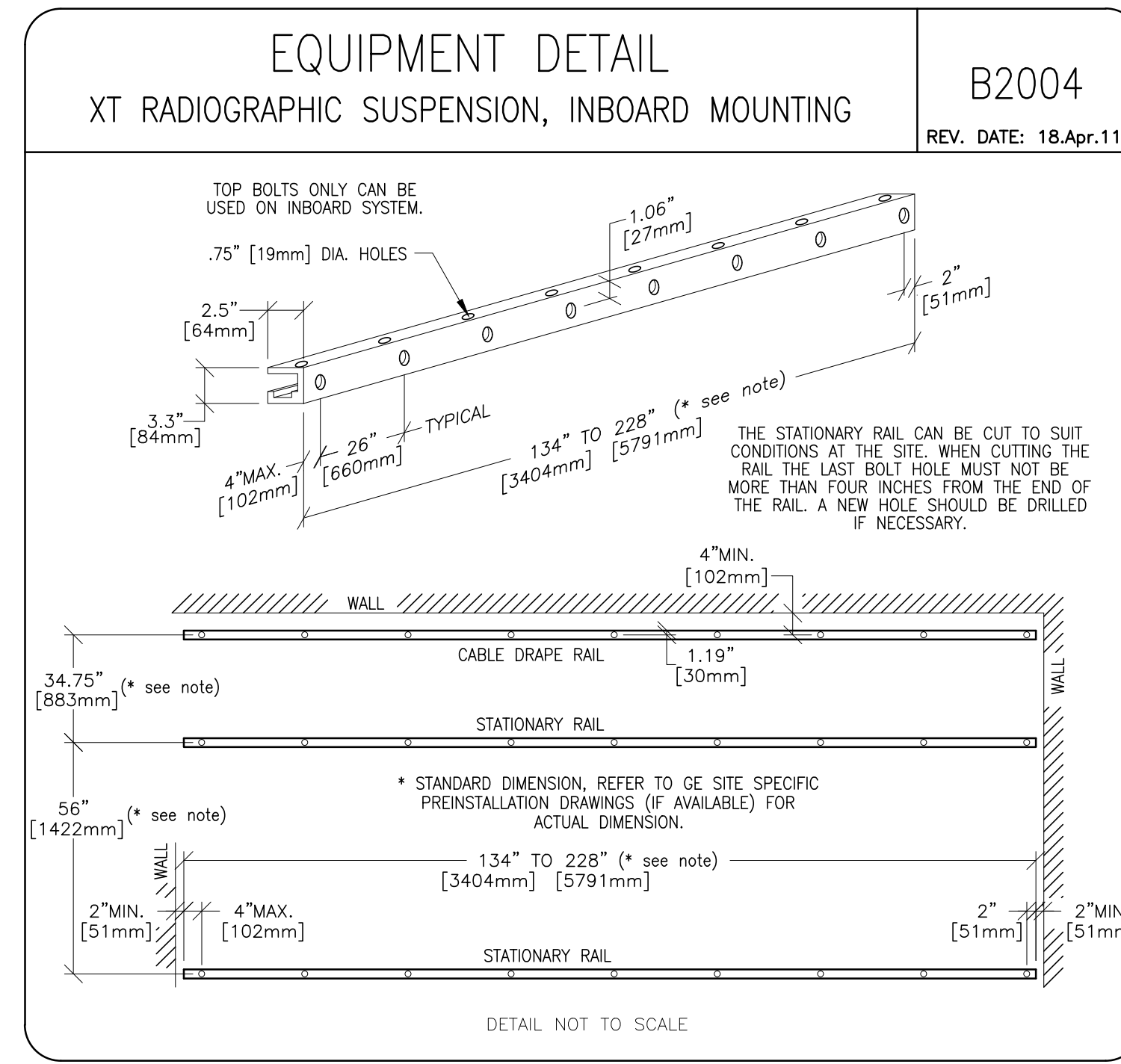
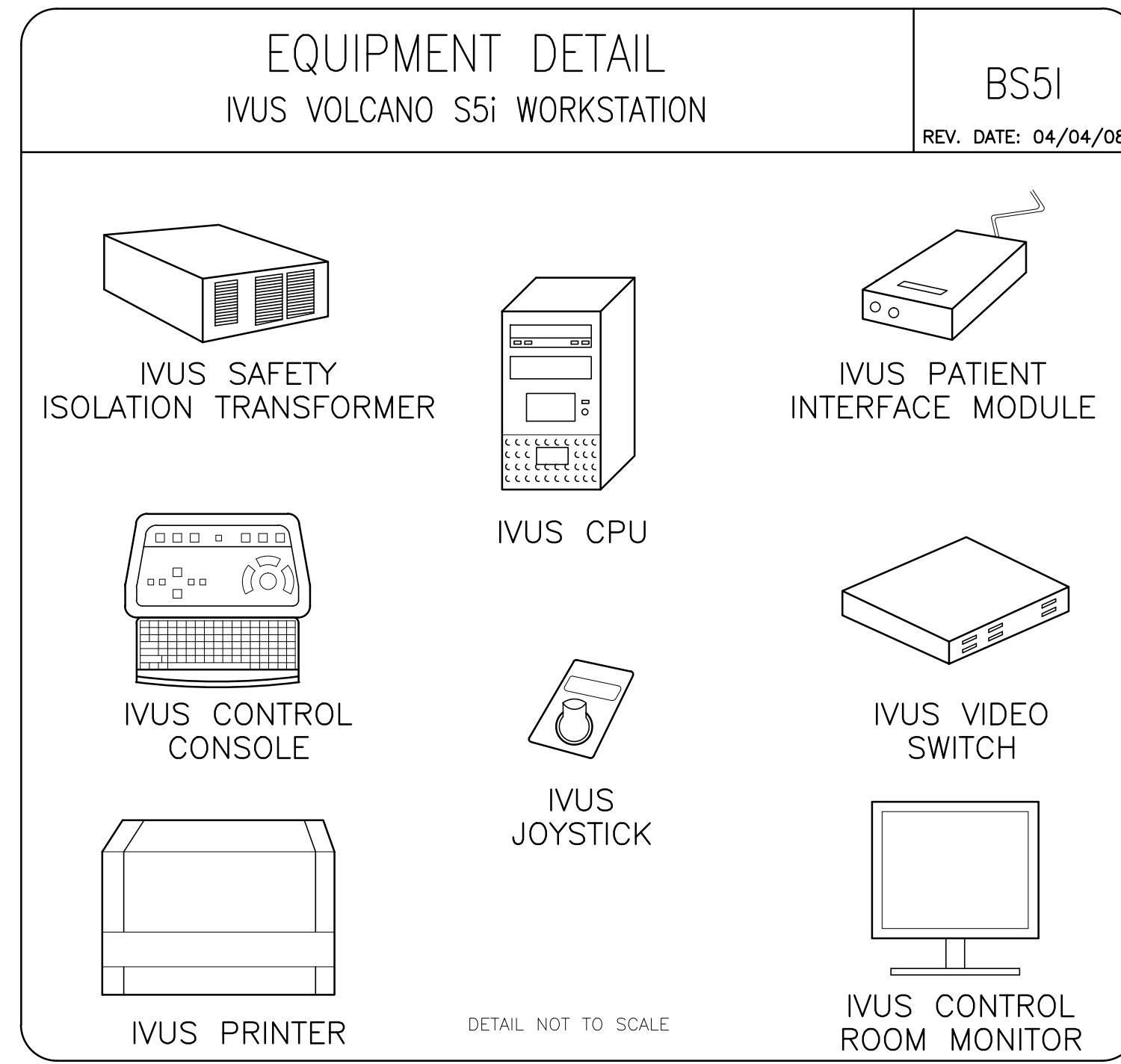
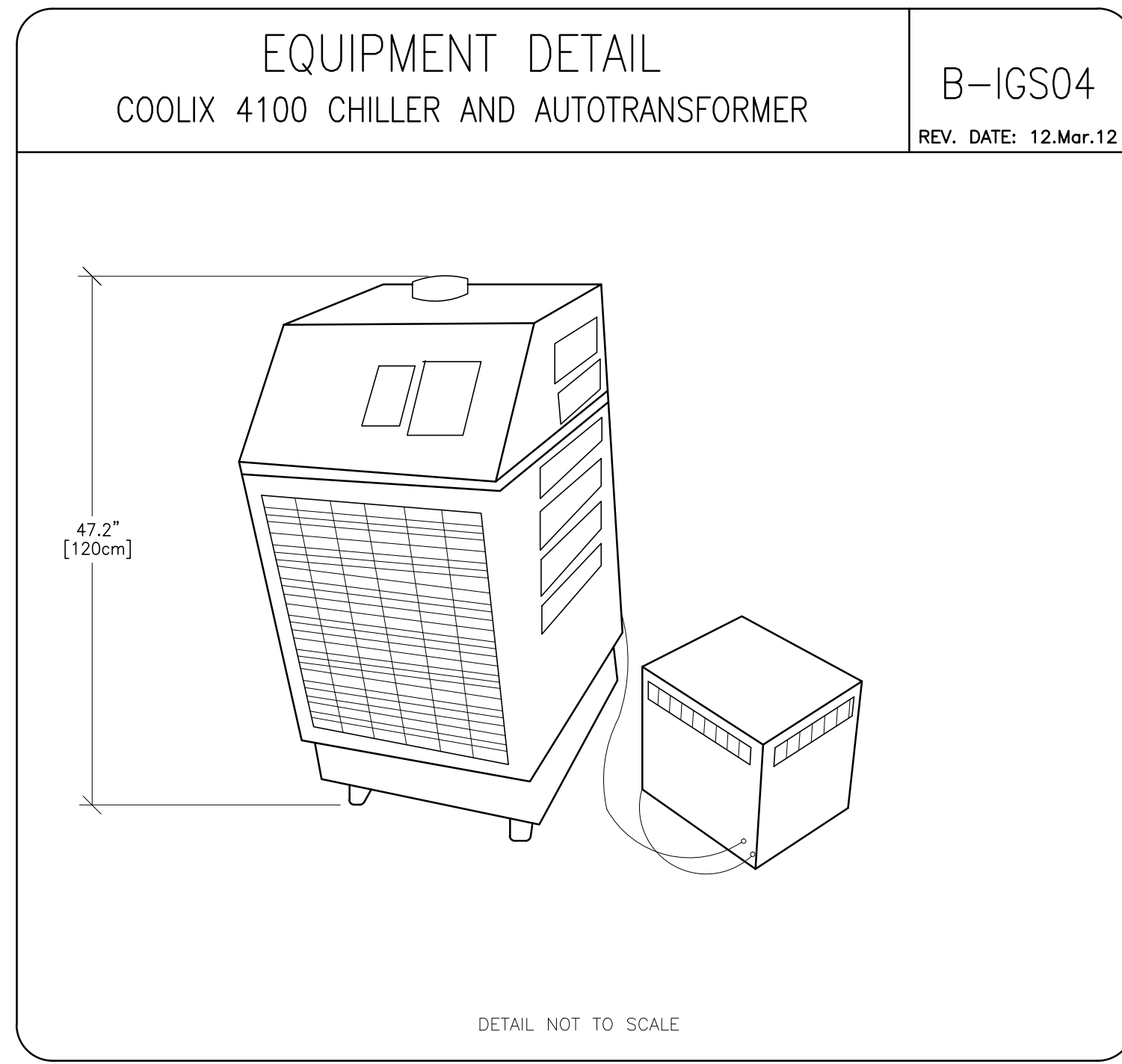
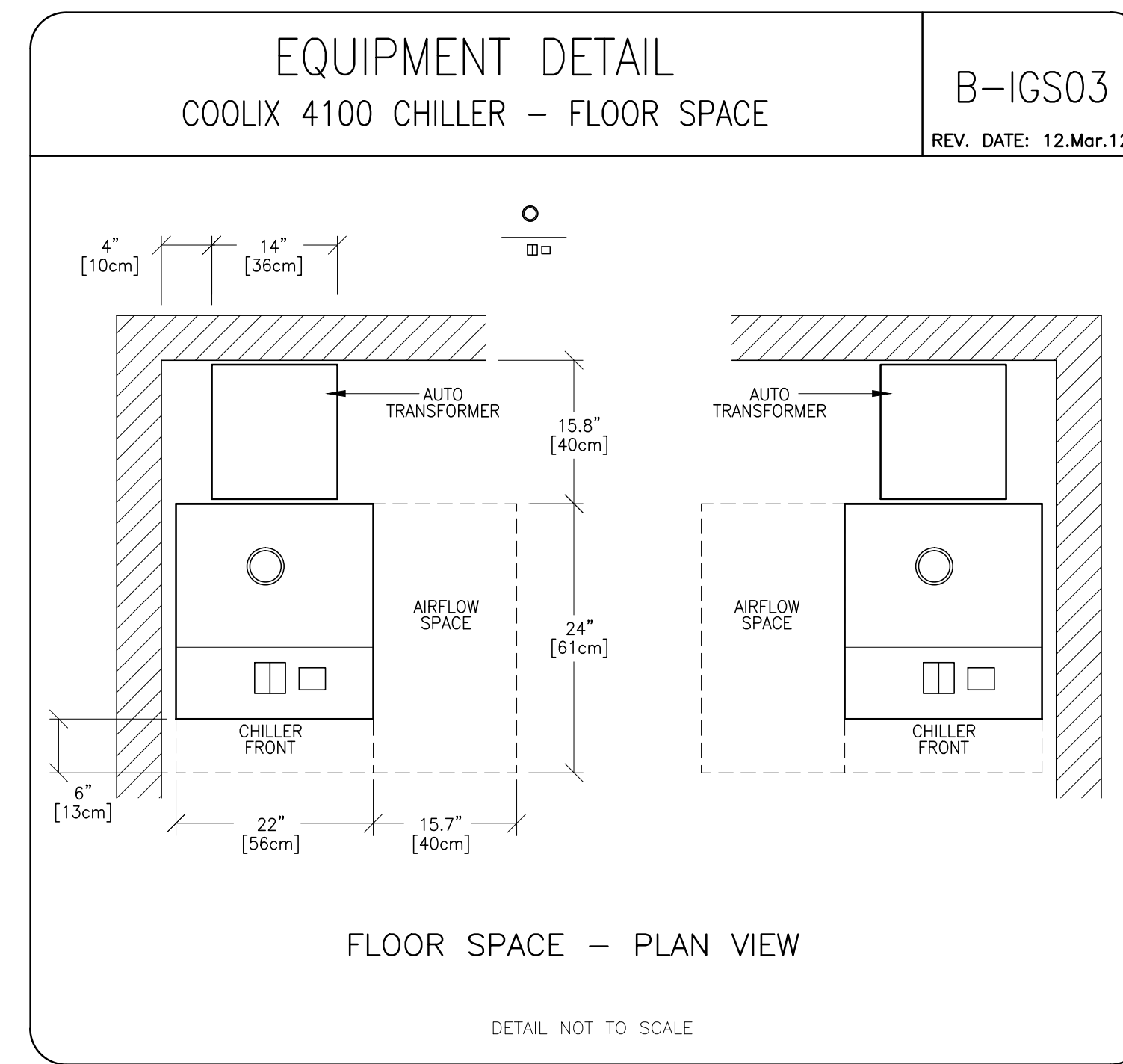
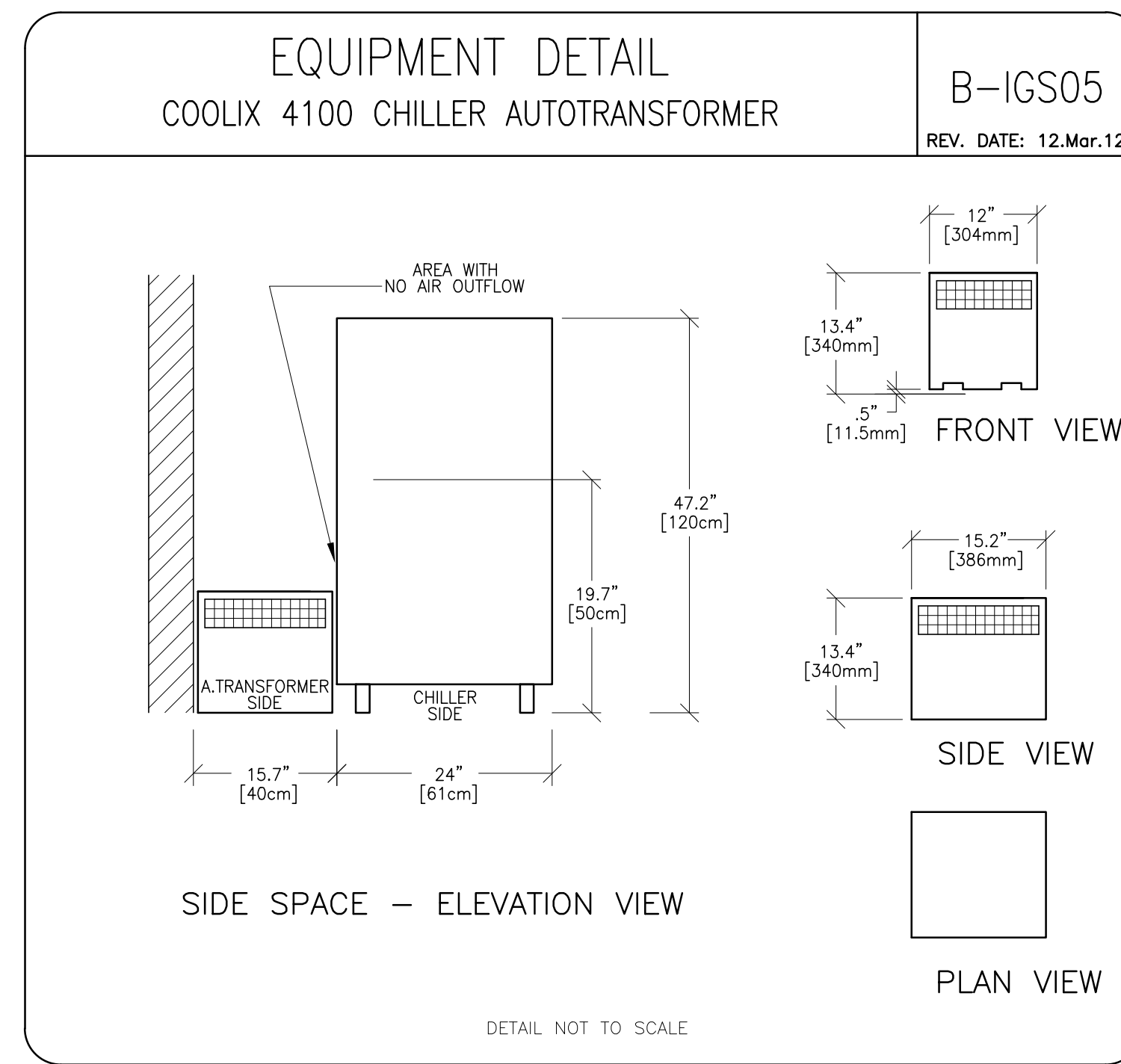
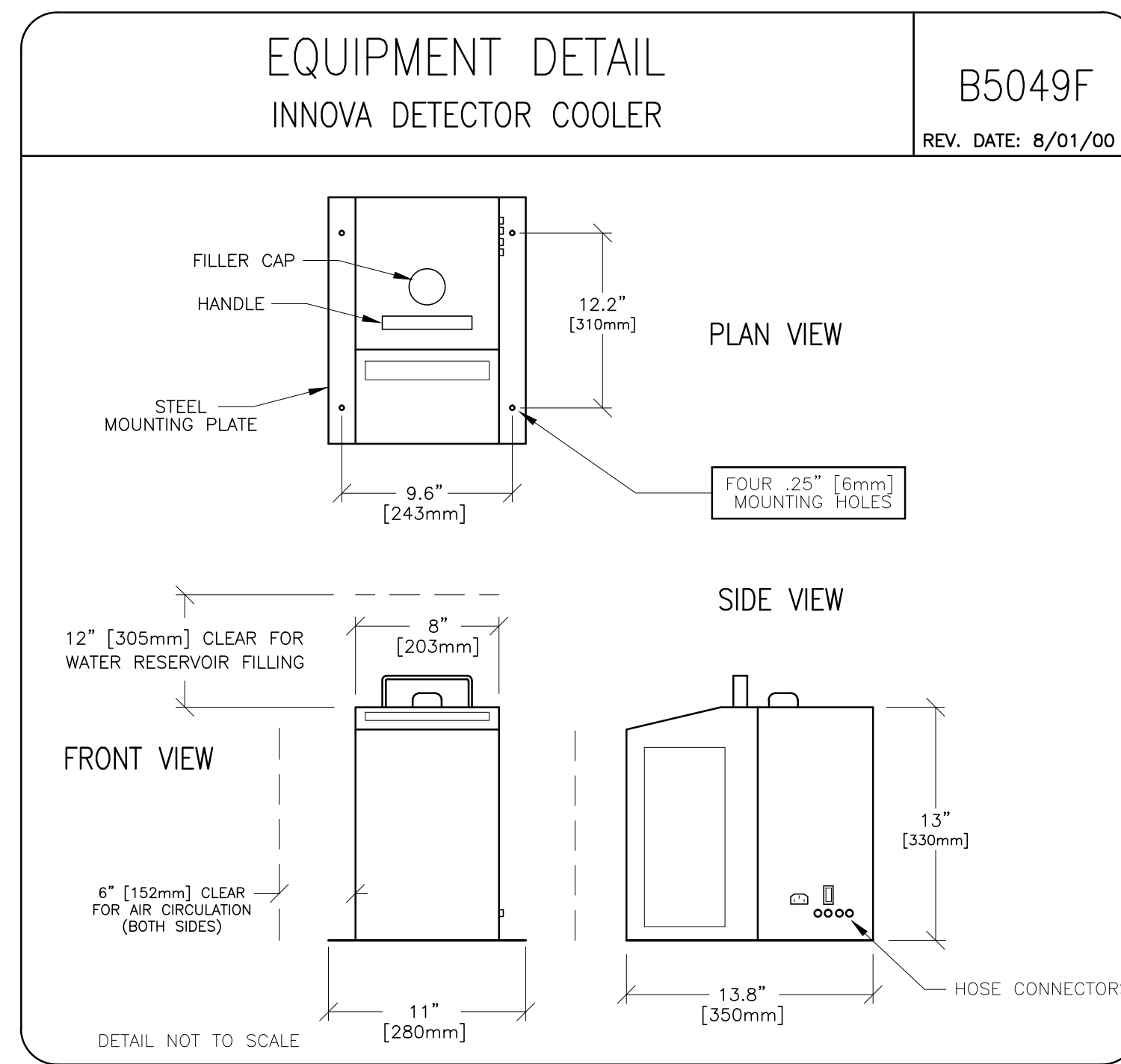
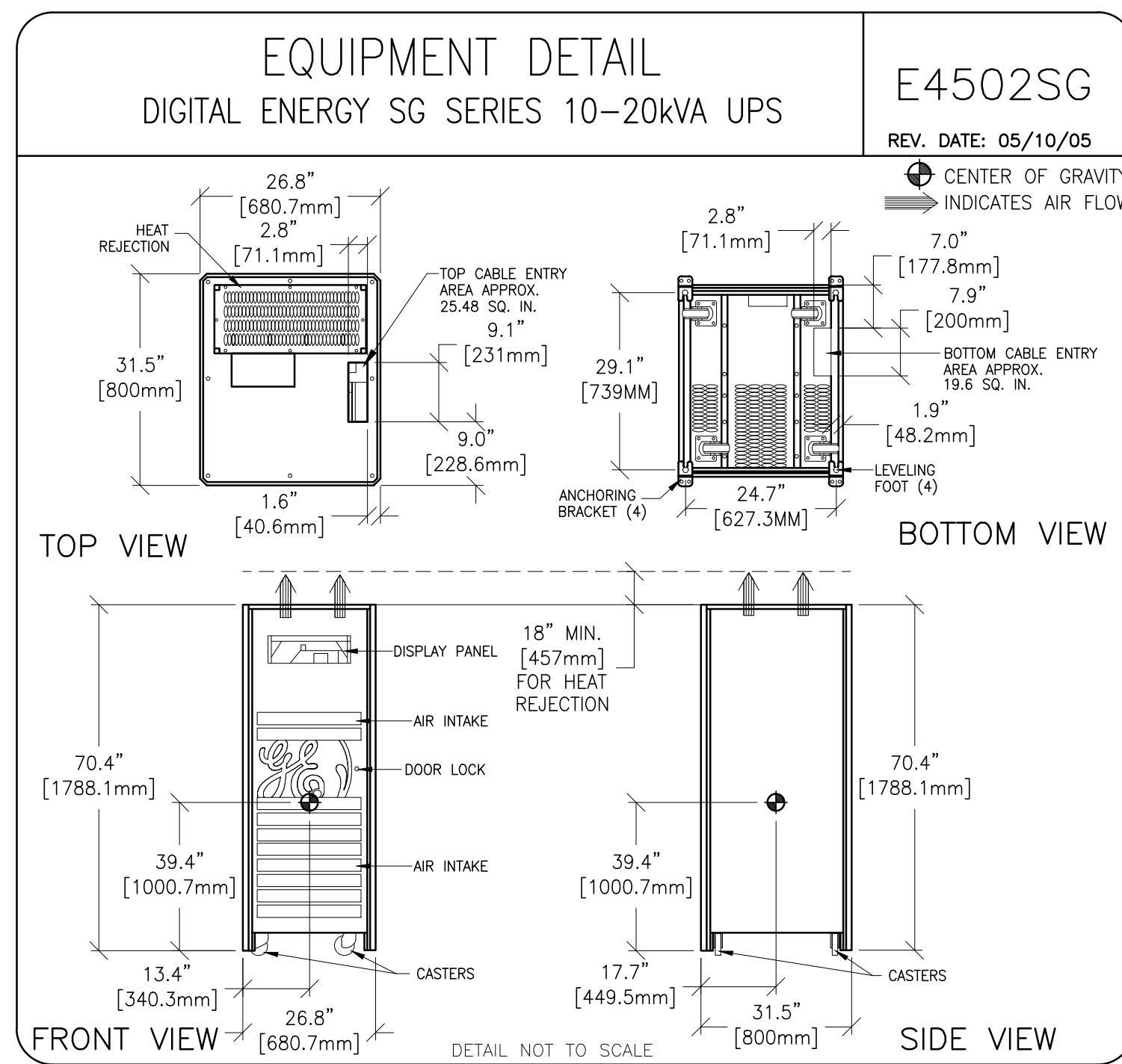
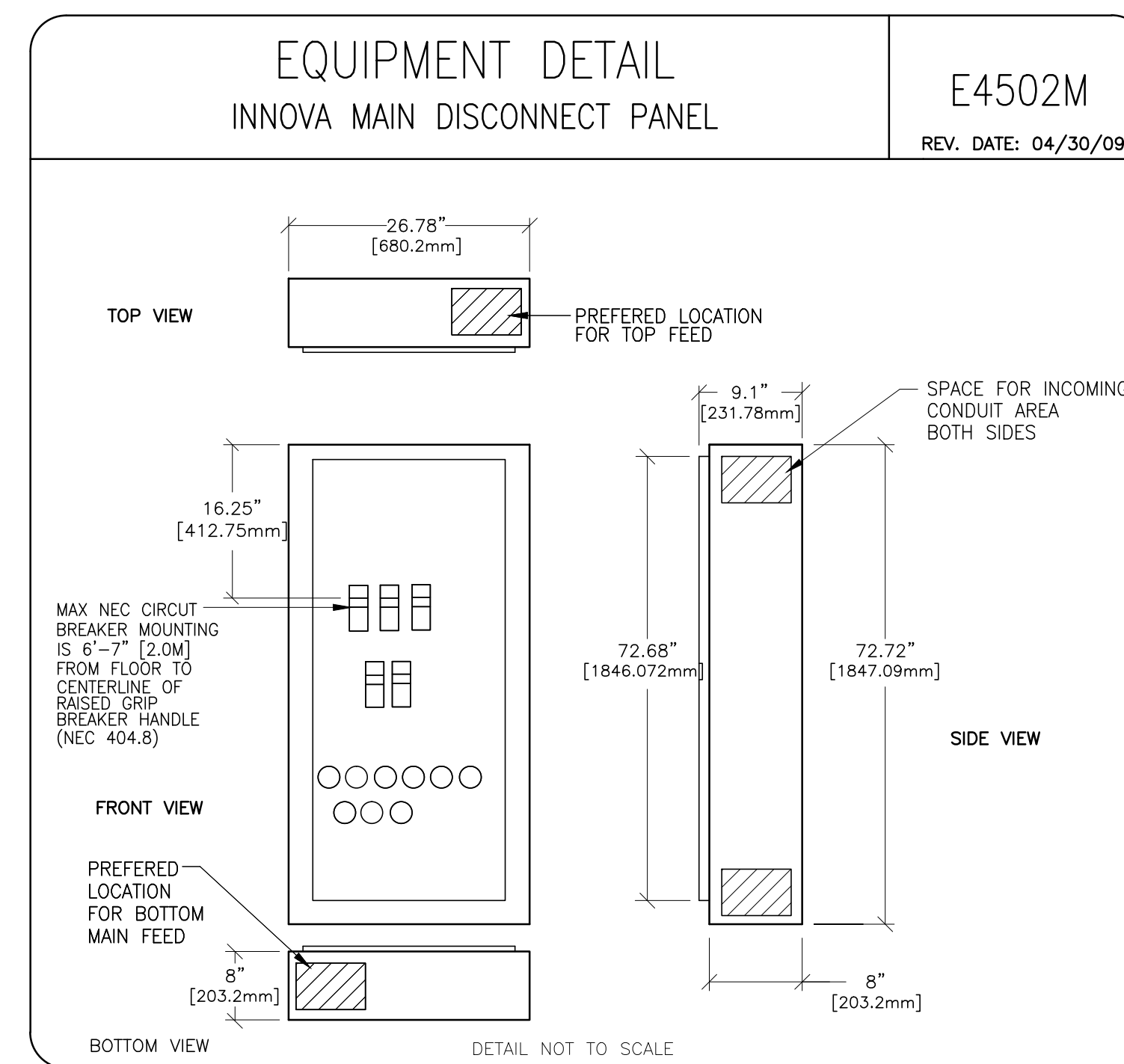
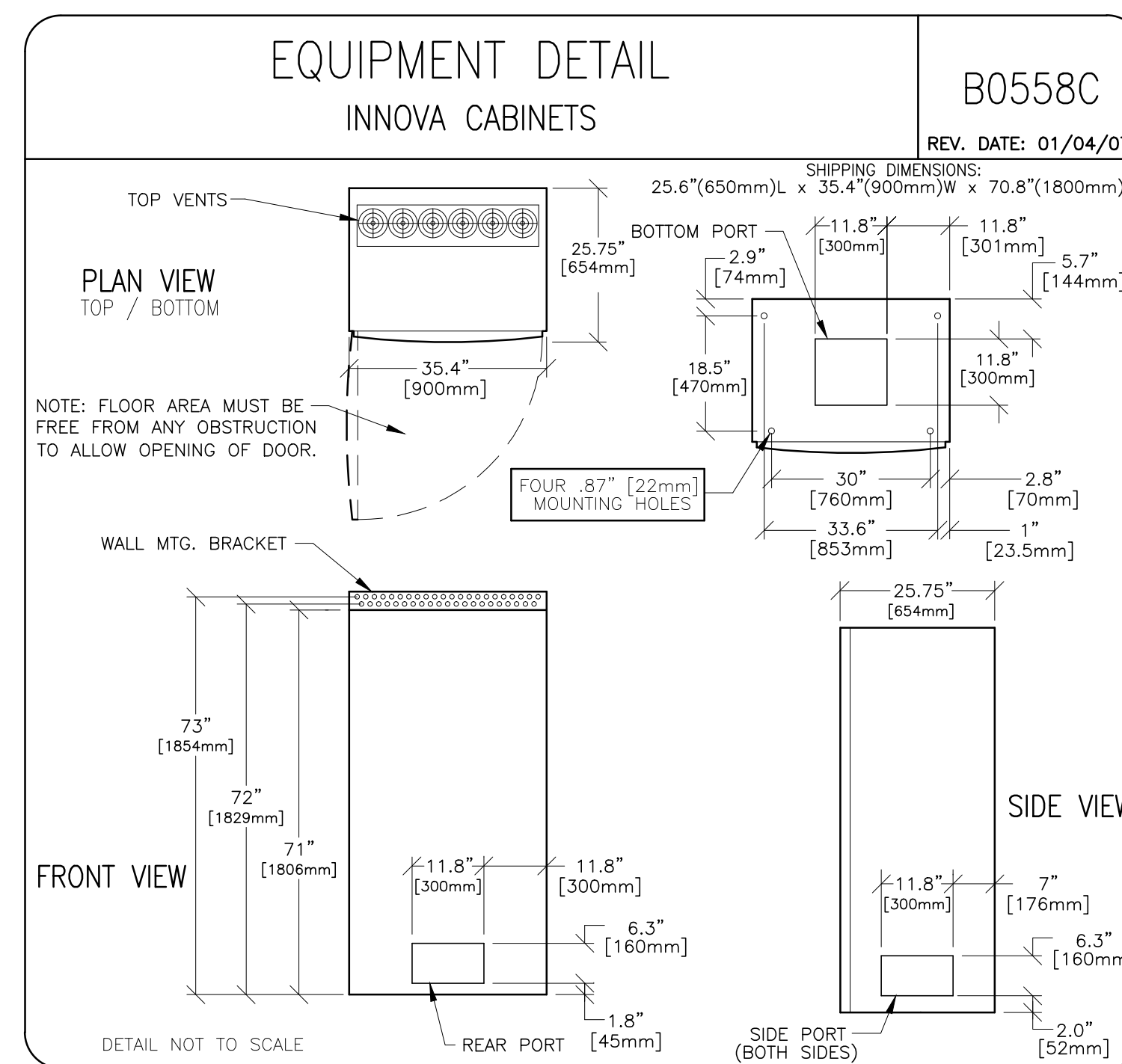
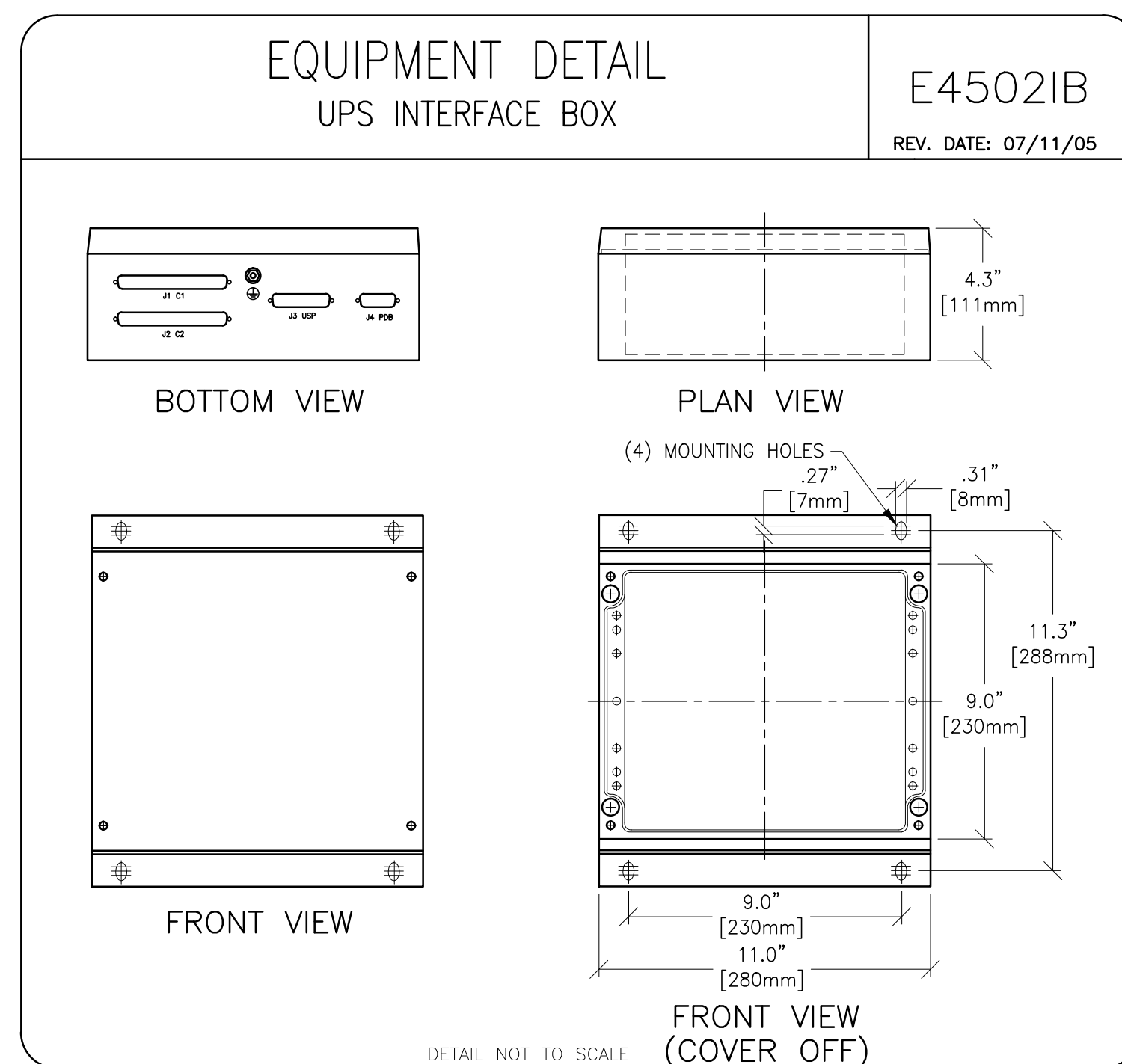
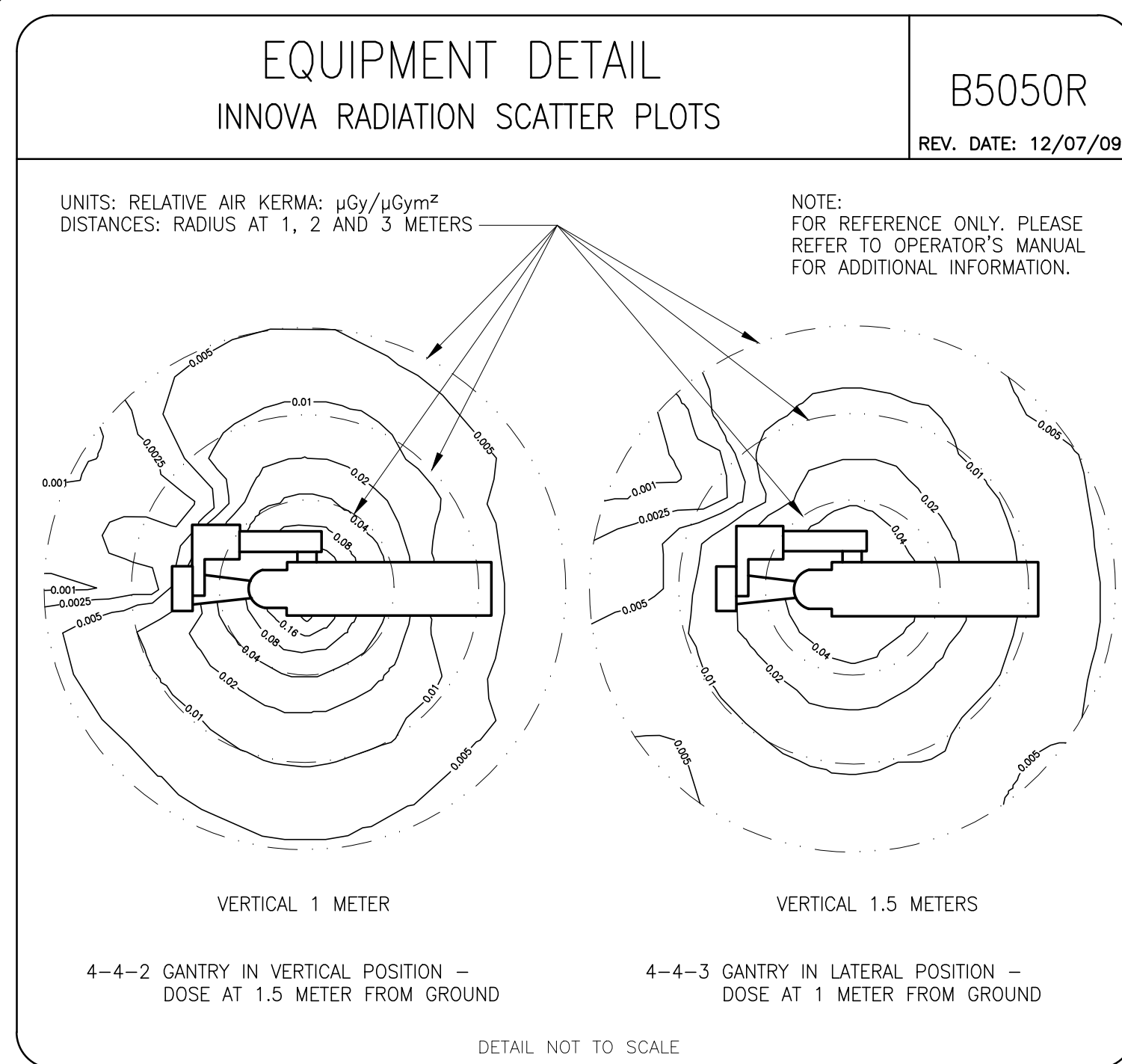
SHEET

D1

GE Healthcare

Healthcare Project Implementation - Design Center
Minneapolis

PIM R2
RQ - 140190



PROJECT	REVISION
4-68F	00
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	TST

REVISION HISTORY:

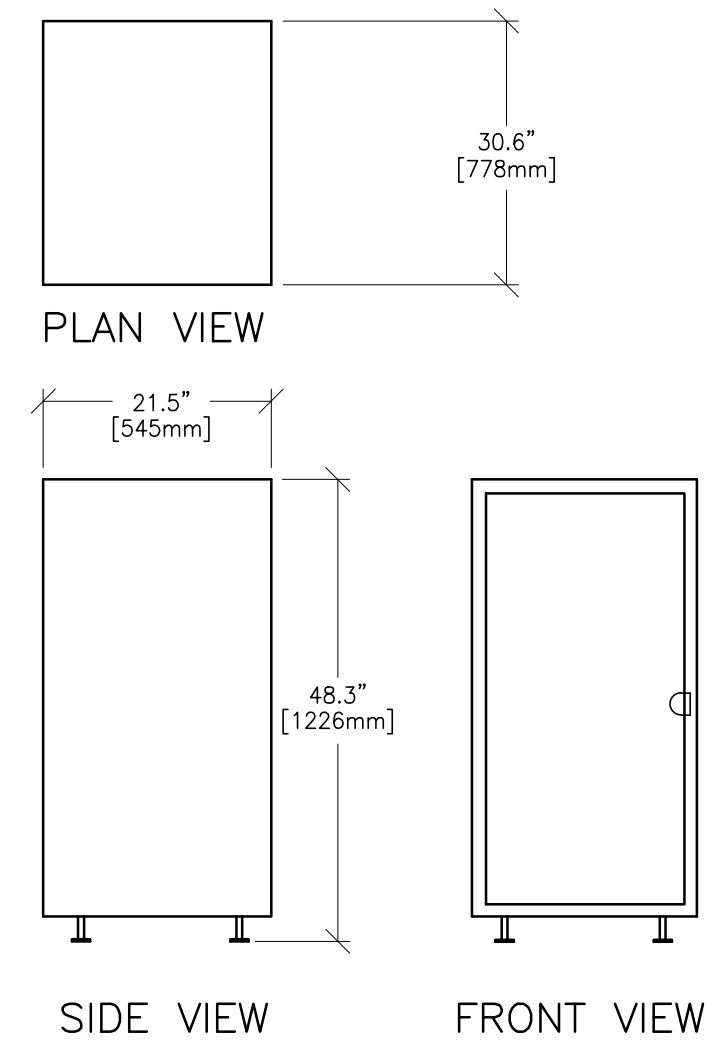
PIM R2

QR - 140190

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

EQUIPMENT DETAIL
LARGE DISPLAY CABINET

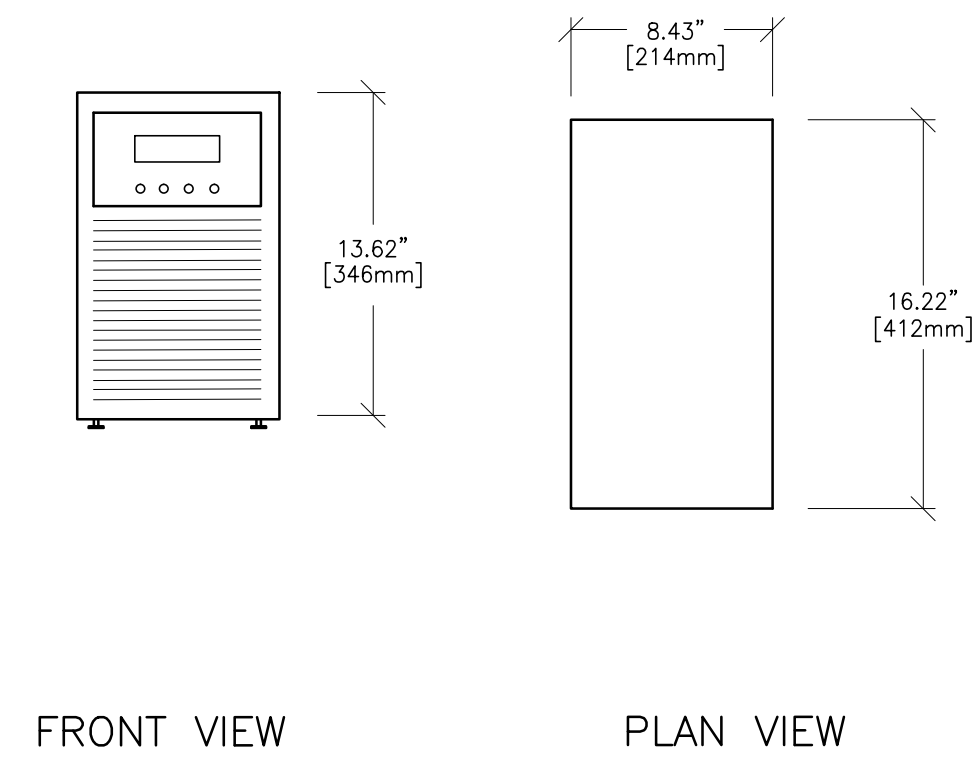
B2014
REV. DATE: 15.MAR.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
3KVA UPS (LARGE DISPLAY SUBSYSTEM OPTION)

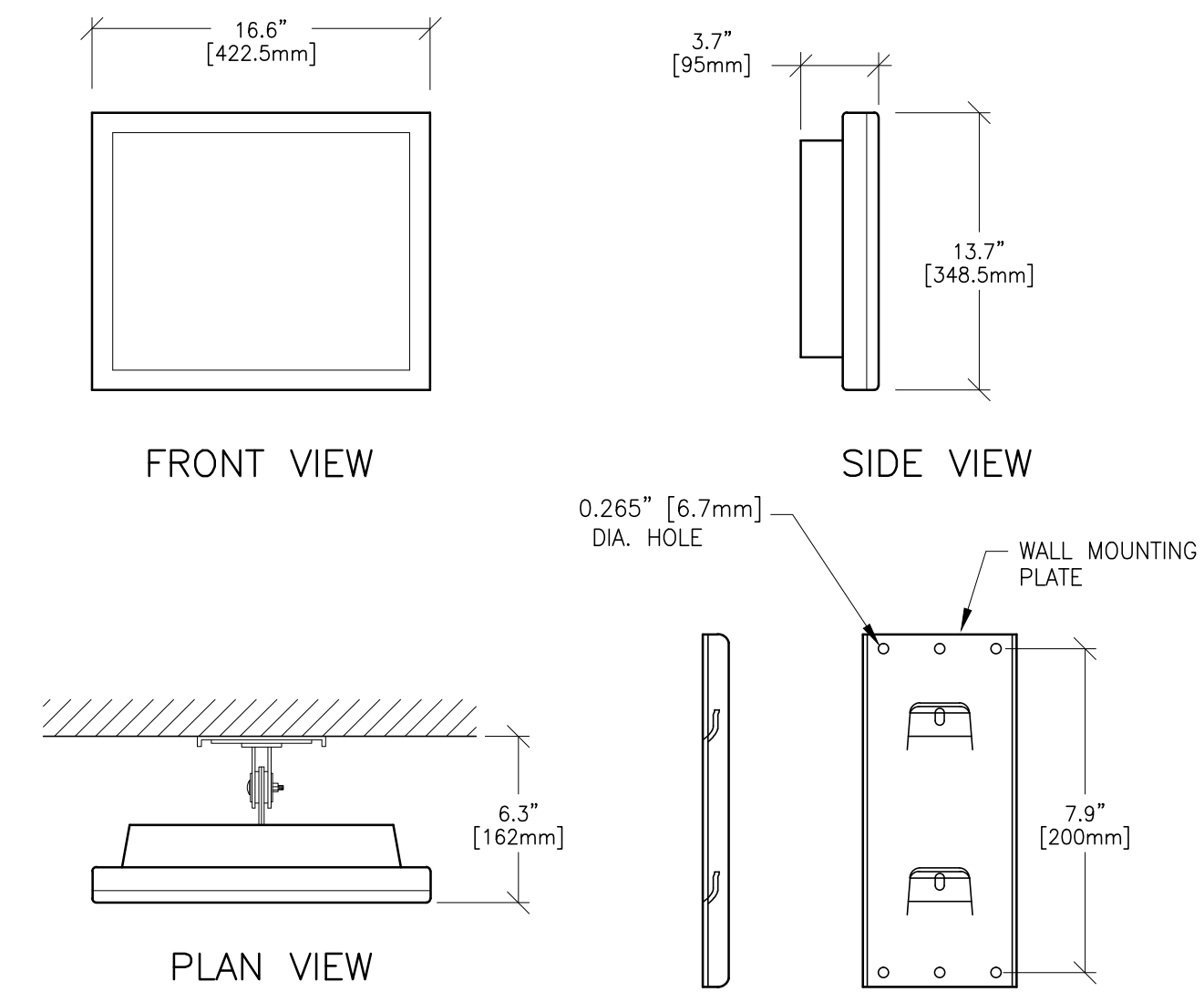
B2016
REV. DATE: 15.MAR.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
19" FLAT PANEL MONITOR ON WALL SUPPORT

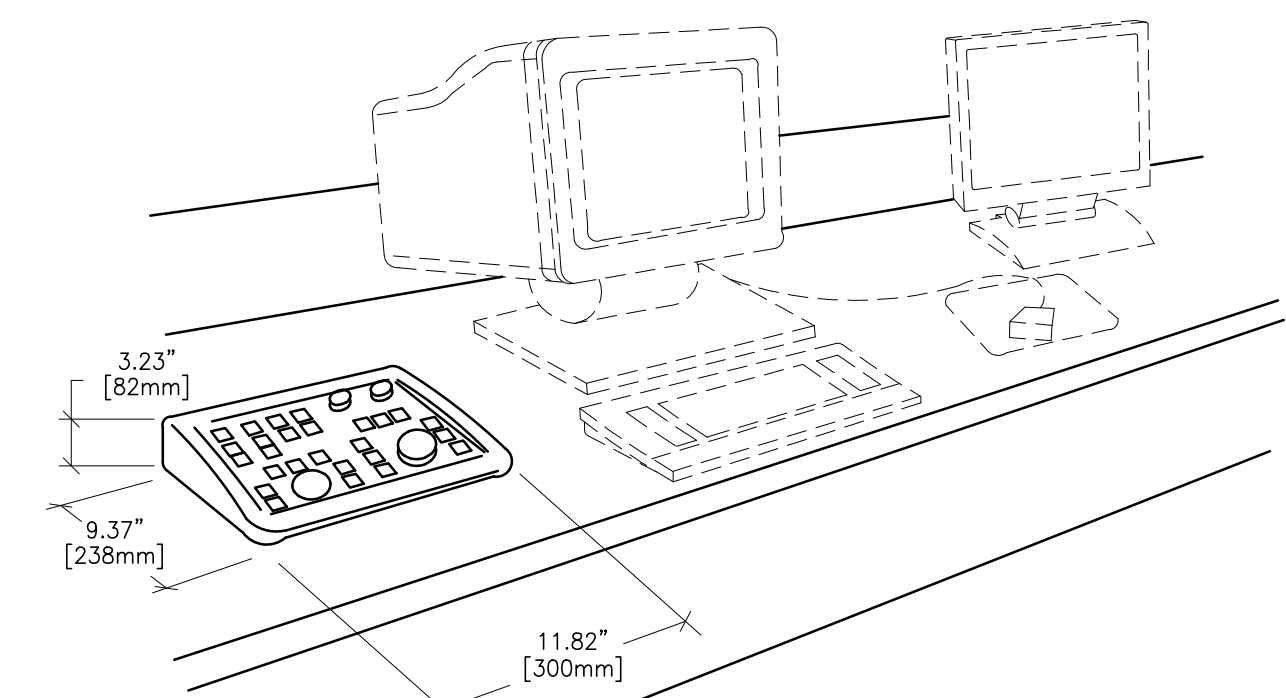
DC7619W
REV. DATE: 20.MAR.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
DLX or DL KEYPAD

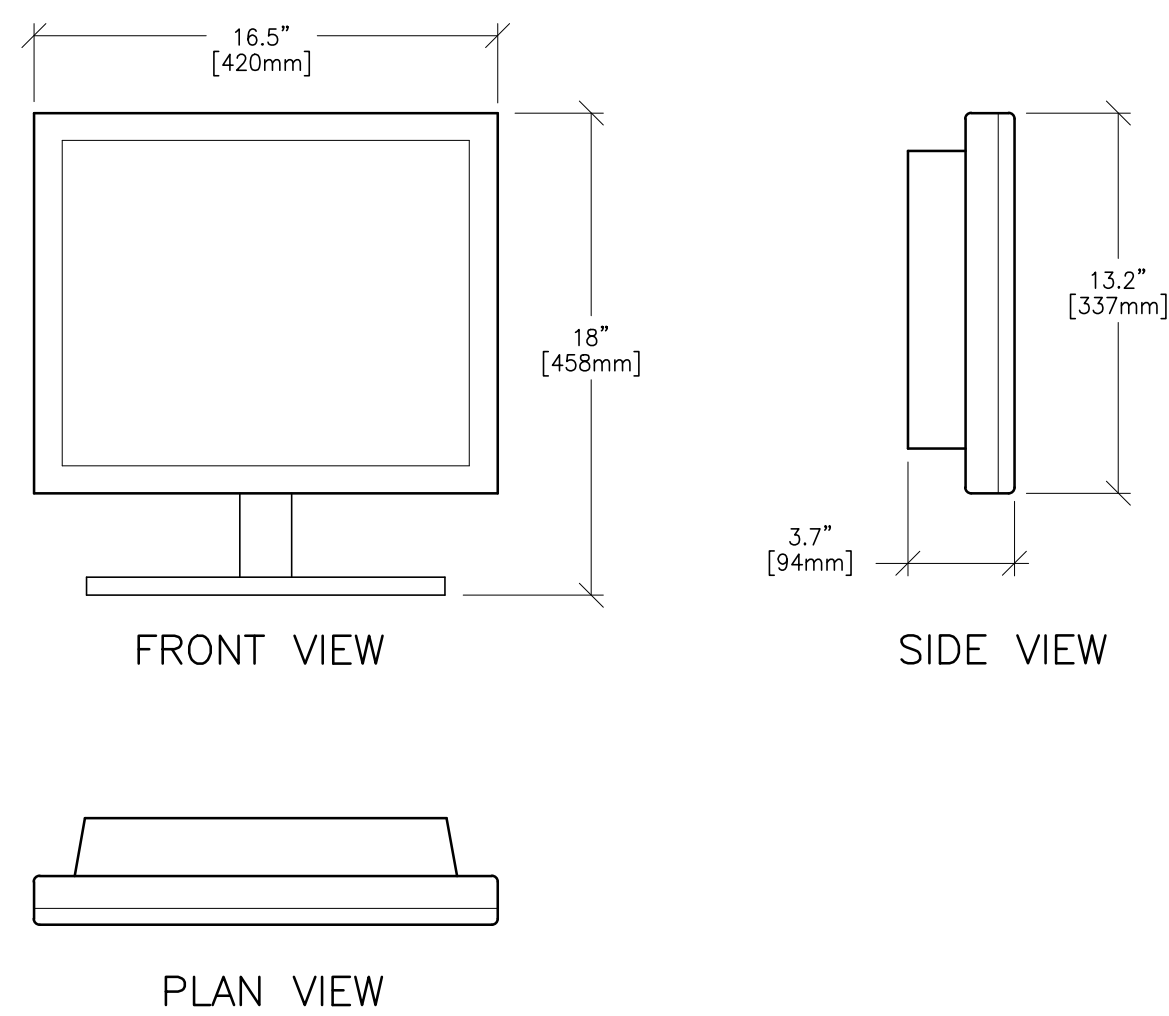
C7412H
REV. DATE: 09/03/03



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
18" FLAT PANEL MONITOR

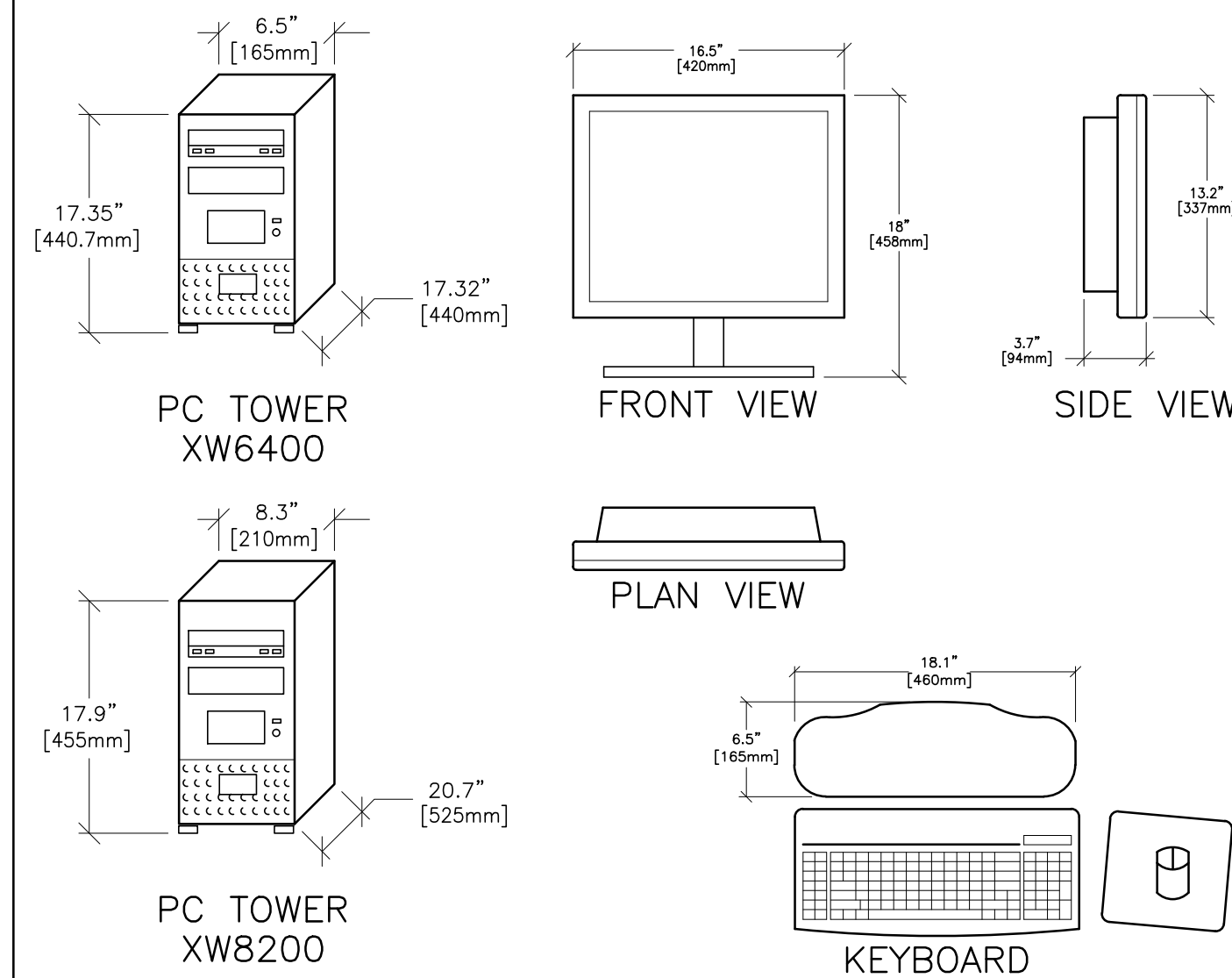
C76-17
REV. DATE: 08/28/09



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
RCIM WITH DL KEYBOARD CONSOLE

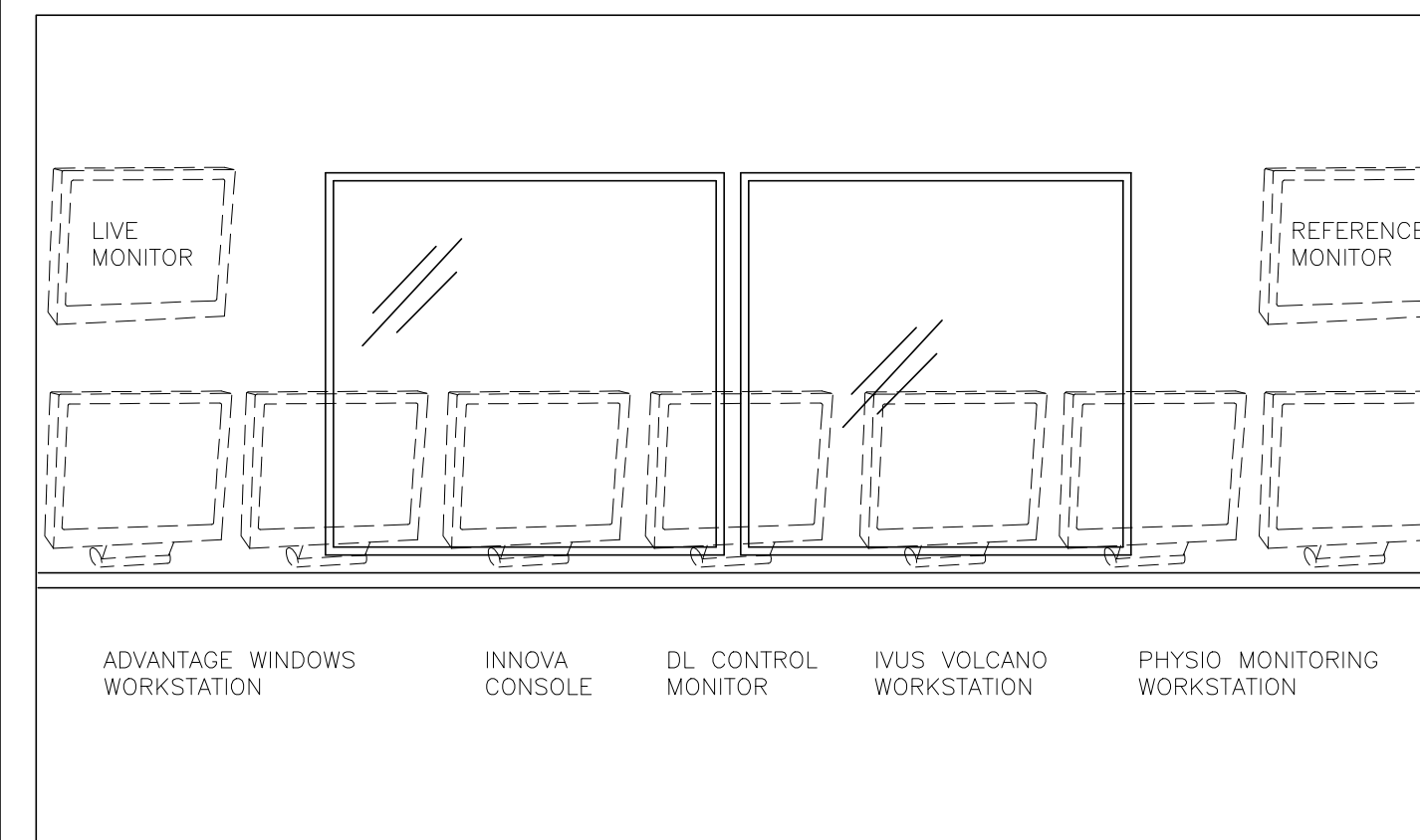
C75-02
REV. DATE: 10/25/10



DETAIL NOT TO SCALE

TYPICAL CONTROL ROOM
INNOVA SINGLE PLANE

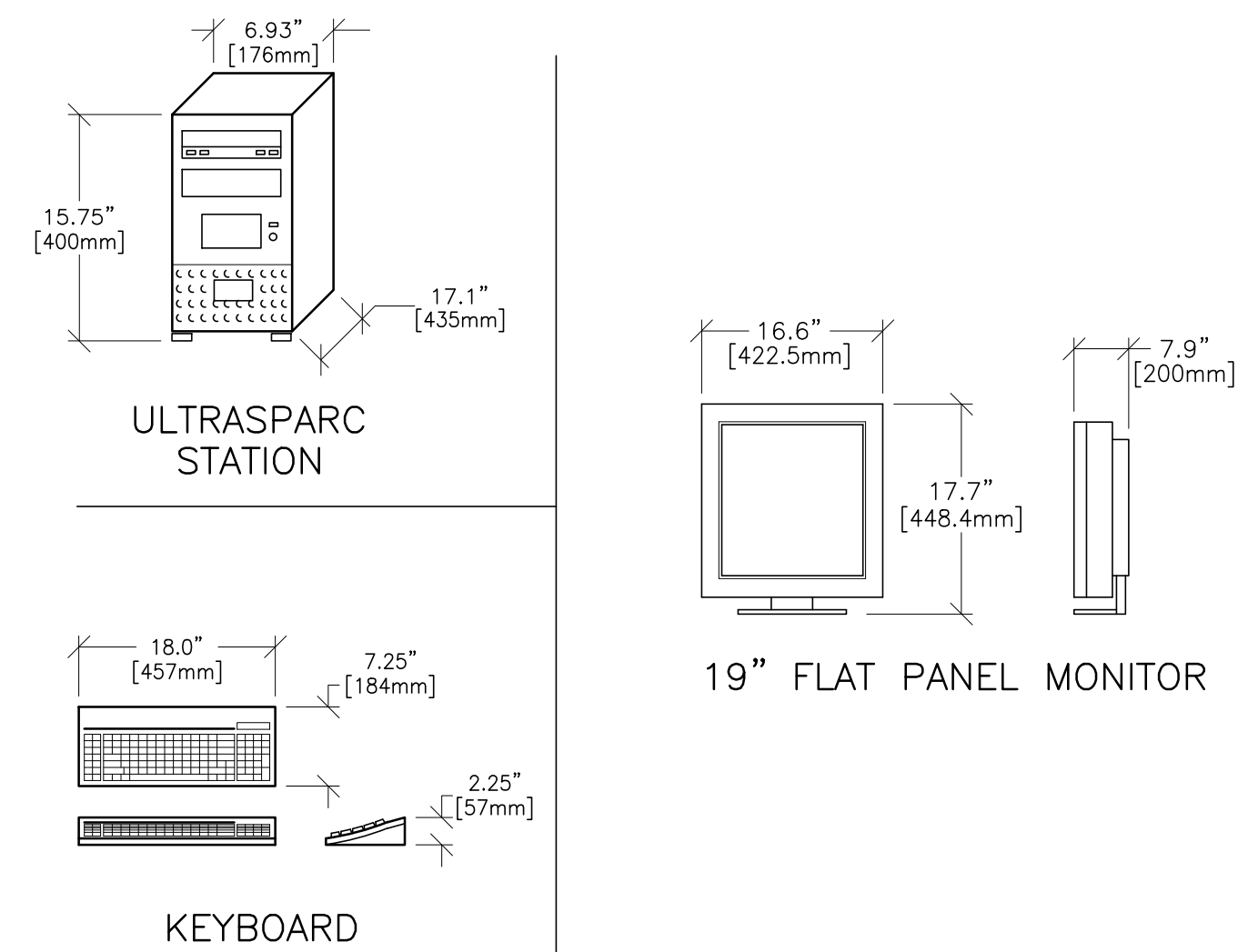
B5050C
REV. DATE: 08/26/08



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
ADVANTAGE WINDOWS WORKSTATION

M1013AW
REV. DATE: 20.MAR.12



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
VIVID i ULTRASOUND UNIT

B0572
REV. DATE: 28.APR.11

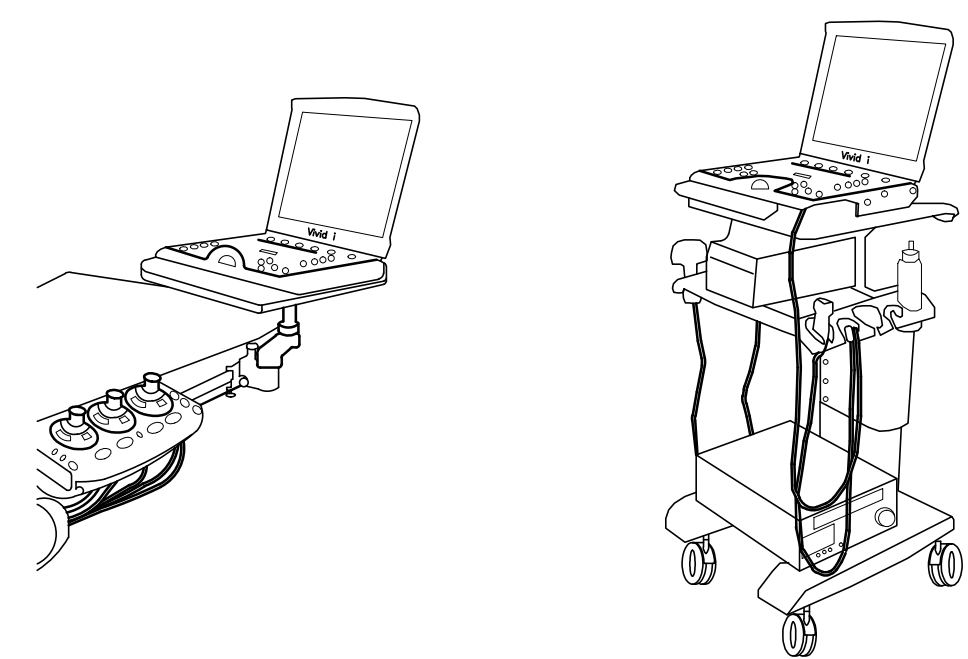


TABLE RAIL MOUNT

SAFE LOCK CART

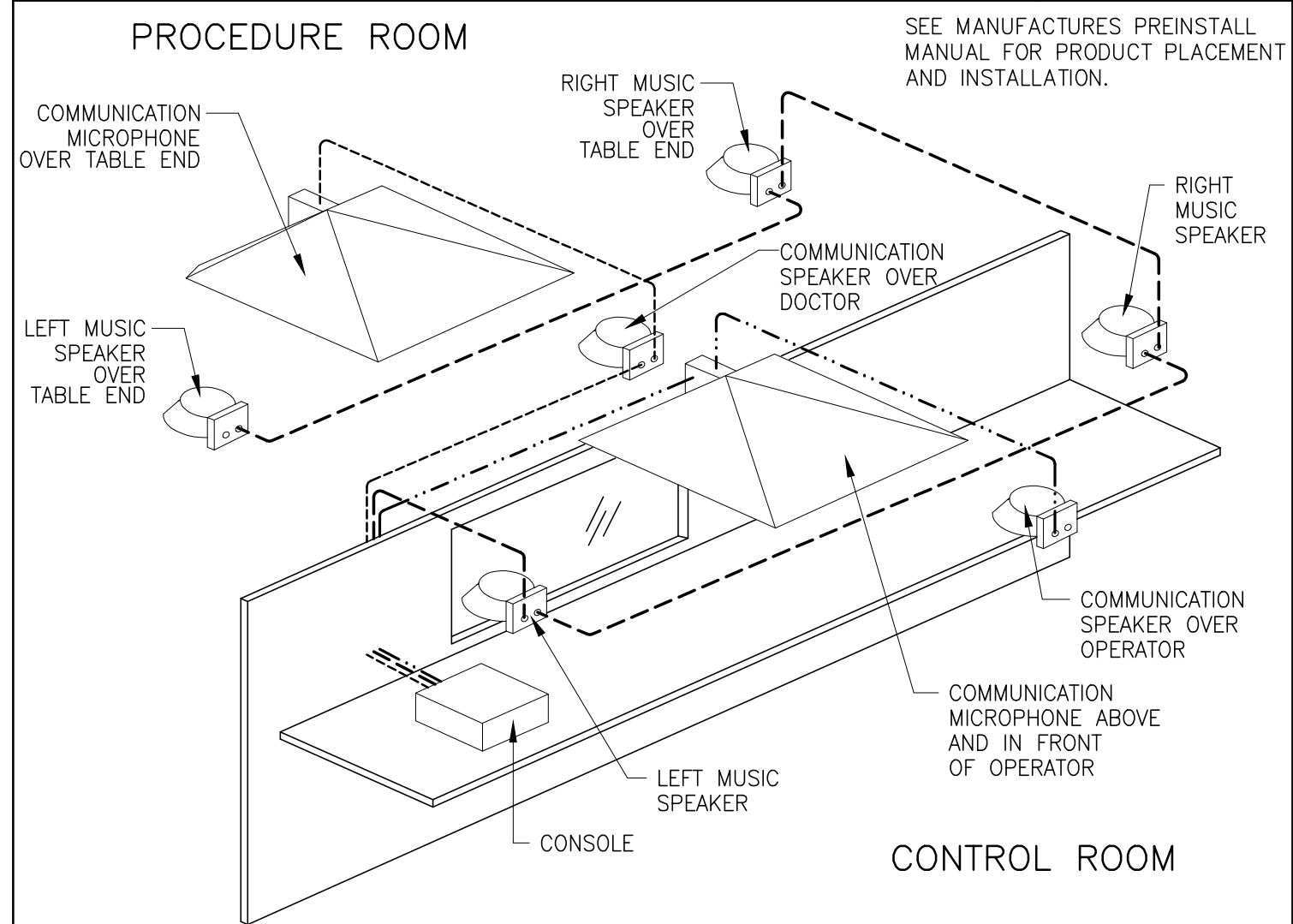
PHYSICAL SPECIFICATIONS

Equipment	Width (in/cm)	Depth (in/cm)	Height (in/cm)	Weight (lbs/kg)	Heat (btu/hr)
Vivid i	14.2"/35.8	12.4"/31.3	2.3"/5.9	11lb/5.4	240 btu

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
VITALIQ COMMUNICATION AND MUSIC SYSTEM

B0566
REV. DATE: 06/14/05

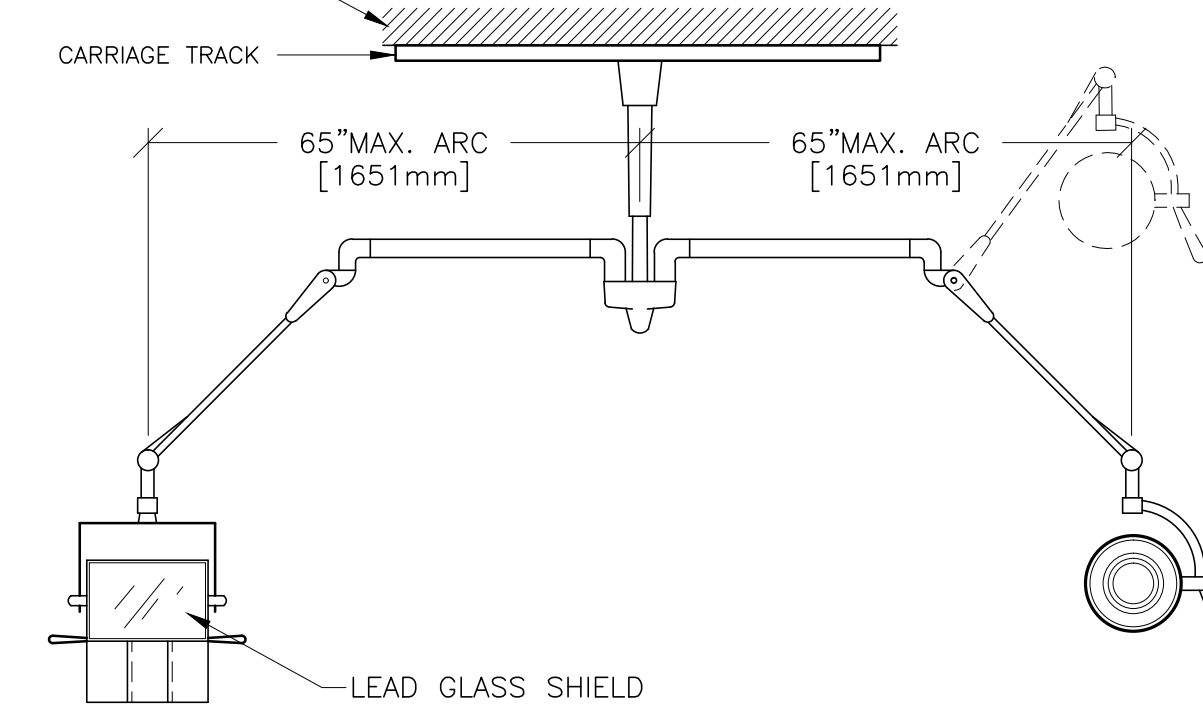


DETAIL NOT TO SCALE

VIS-A-VIS, INC.
1-800-319-6014

EQUIPMENT DETAIL
MAVIG EYE & THYROID SHIELD WITH LAMP

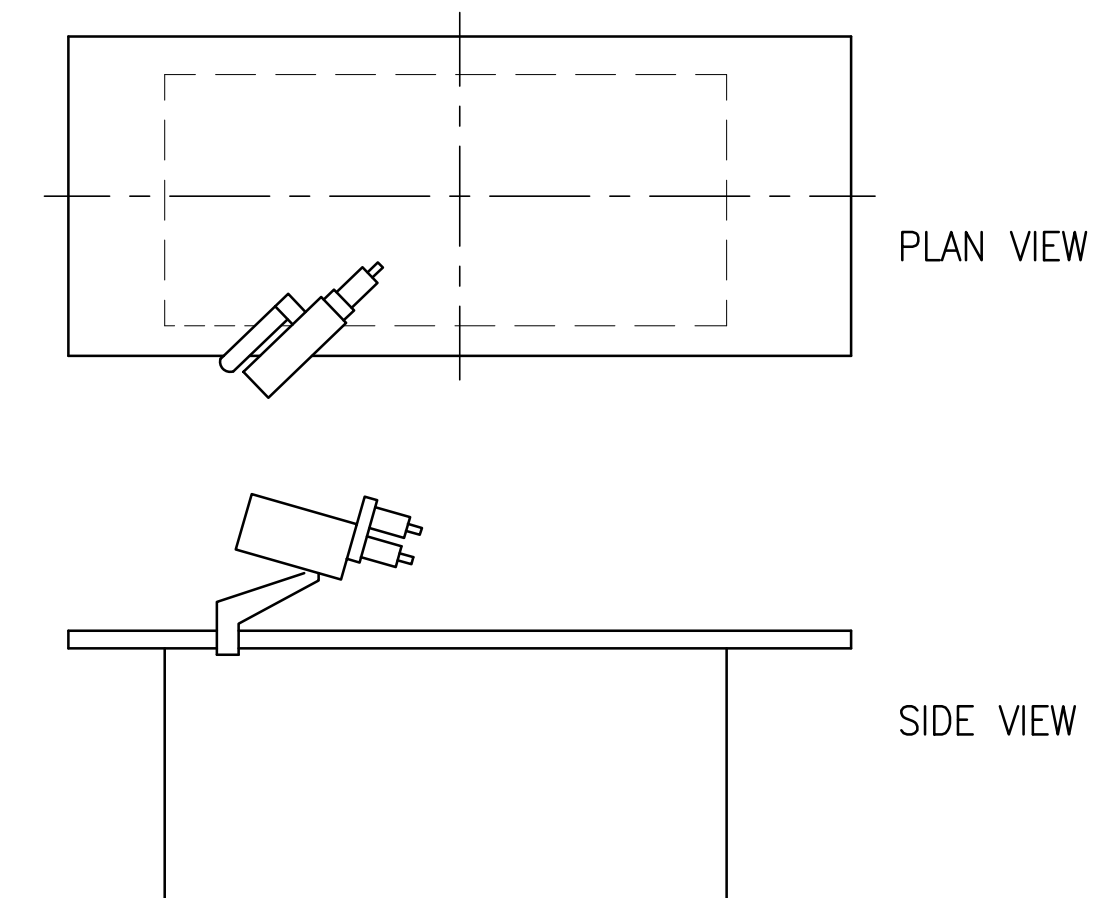
B50-31E
REV. 00: 10/03/97



DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INJECTOR ON TABLE RAIL

B50-30A



DRAWING NOT TO SCALE

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

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: INNOVA IGS 520, 530, 540

THIS PLAN IS SUBMITTED TO ASSIST IN THE LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING, DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE DETAILS AND DIMENSIONS SHOWN ON THE DRAWINGS. HOWEVER, THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DIMENSIONS OF ALL EQUIPMENT AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

INTERVENTIONAL RADIOLOGY
TYPICAL FINAL DRAWINGS

PROJECT TITLE:

PROJECT	REVISION
4-68F	00

DATE: 18.Dec.13
DRAWN BY: JPH
CHECKED BY: TST

REVISION HISTORY:

REVISION HISTORY:

SHEET

D3

PIM R2

RQ - 140190