

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 *

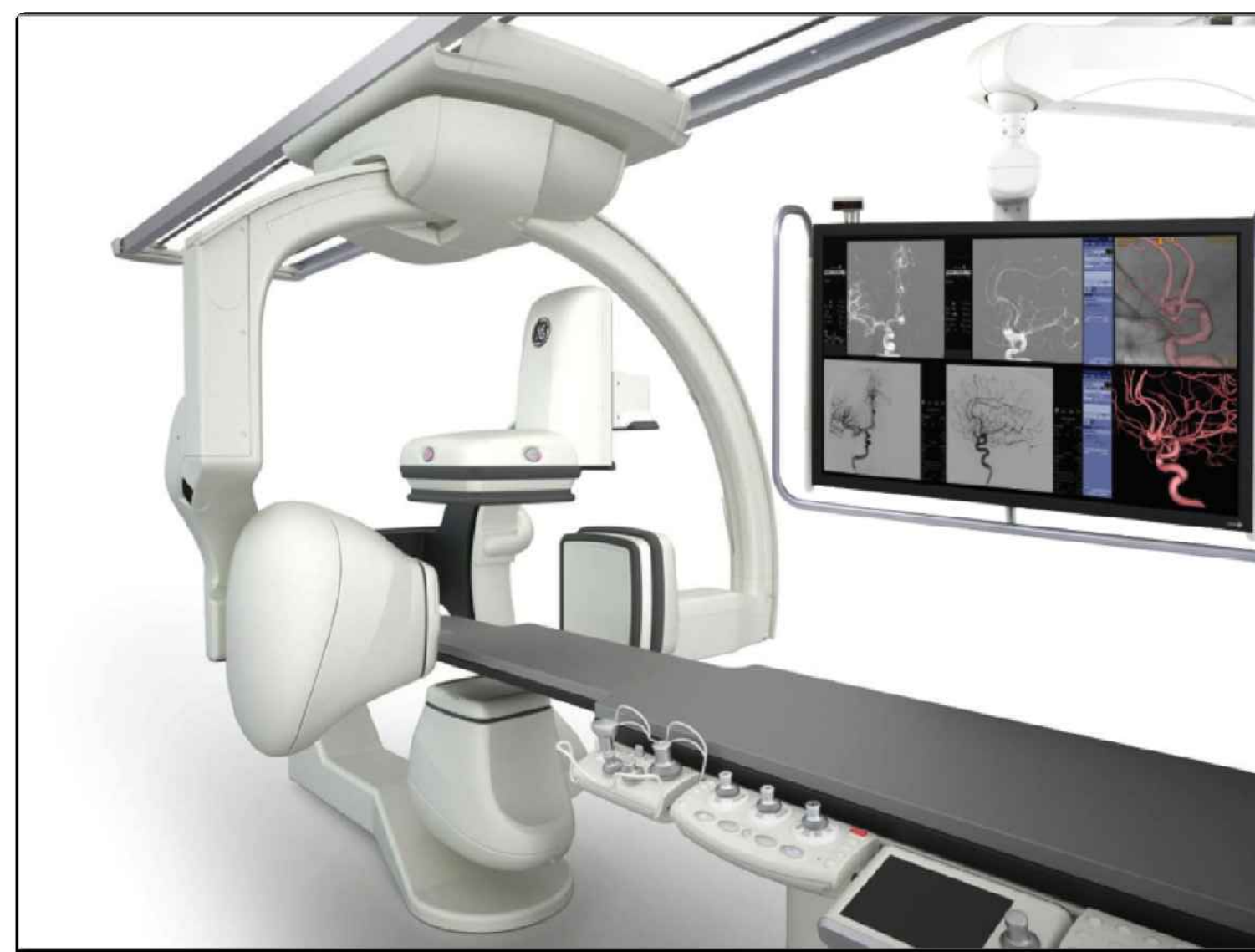
Innova IGS BiPlane
Pre Installation Manual
5435414-1-1EN

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					
<p>Before using this document, ensure you have the latest Rev from MyWorkshop on DO0422752</p> <p>GEHC Global Order #: _____ Customer: _____ GEHC P/N: _____ FE / Installer: _____</p> <p>The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.</p>					
Inspection Date	Storage (is room ready?)	PHI (is room ready?)	FE (is room ready?)	Comments (if "N", enter comments or action plan)	
1				PHI Magnet Delivery Requirements: Ensure cryogen venting system is available for magnet installation as defined by GEHC Pre-Installation Manual (PHI) measures and, unless fan system is installed and operational, 480V power, and chilled water supply is available 24/7 that meets system cooling requirements. External connectivity is available for magnet monitoring and phone service is available during delivery. Surface mount vibrator installed where required. Magnet room final flooring is in place.	
2				PHI RF Screen Room Requirements: RF Screen Room is tested with copy of Test Report, emailed to: 5435414@ge.com , that is compliant with GEHC specifications. Bolt/Bulb and magnet anchors (if applicable) installed using 2 part anchors. For HDR systems, blowers in duct belts installed by RF vendor using 2 part anchors.	
3				State Regulatory Requirements: Facility registration number provided for states of <u>IL, WV, HI, FL, SC, TX, & VA</u> . X-ray shielding plan and state acknowledgment letter provided to installer for <u>AR, DC, NC, SC, CO, & VA</u> .	
4				Site Drawing Requirements: Final version of a 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/notification have occurred. Arrangements have been made for special handling (elevator, rigging, floor protection, fork lift, millback truck, etc).	
7				Finished Room Requirements: Rooms that will contain equipment, including storage area, not in open state. One dust free. Provisions taken to contain 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/initial 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 the security issues, implications and responsibility. For Storage Room must meet PHI requirements for storage.	
8				Electrical Requirements: Labeled LOTO/Train Disconnect Panel (TRDP) is installed per GE guidelines and system power is available. Conduits, electrical cable ducting/divers cable trays, and access flooring is installed in proper location and height. Surface floor duct and lead-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 system designs to maintain the environment per speed/PHI 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 for equipment location, levelness and spacing is measured (or vendor confirmed) and consistent with the requirements of the installation drawings. Ensure suspension and rails are not installed on ceiling surfaces. Ceiling grid is installed. Permanent lighting is installed and operational. HVAC diffusers are installed and connected to ductwork. Ceiling tiles installed per PHM installation.	
12				Staging Requirements: Space has been identified to support the active installation process only. This area meets PHI/project book requirements.	
13				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 PHI requirements.	
				Network Connectivity: Hardware for network connectivity (network drops) is in place prior to delivery with specified network firewall configuration where required. Site surveys for wireless mobile BR units have been completed.	
				Medical Gases Requirements: Systems (hard piped or portable) in place to allow testing and calibration of equipment (e.g. the shield), including ventilation.	

GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, Wisconsin
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SHEET TITLE: SITE READINESS
MODALITY TYPE: INNOVA IGS 630
THIS PLAN IS SUBMITTED TO CURRENT 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. THIS PLAN IS NOT TO BE USED FOR ANY CONSTRUCTION PURPOSES. DOWN THE ROAD, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
**MEMORIAL HERMANN
WOODLANDS HOSPITAL**
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00
DATE:	14.Dec.12
DRAWN BY:	TST
CHECKED BY:	TST
QT. NO.:	P2C167466V1
QT. DT.:	07.Dec.12

REVISION HISTORY:

SHEET
C1

This drawing is based on Sketch No.: 12JWE5Text
PIM R2
RQ - 132019

GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER QUOTE P2C167466V1 DATED 07.Dec.12

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

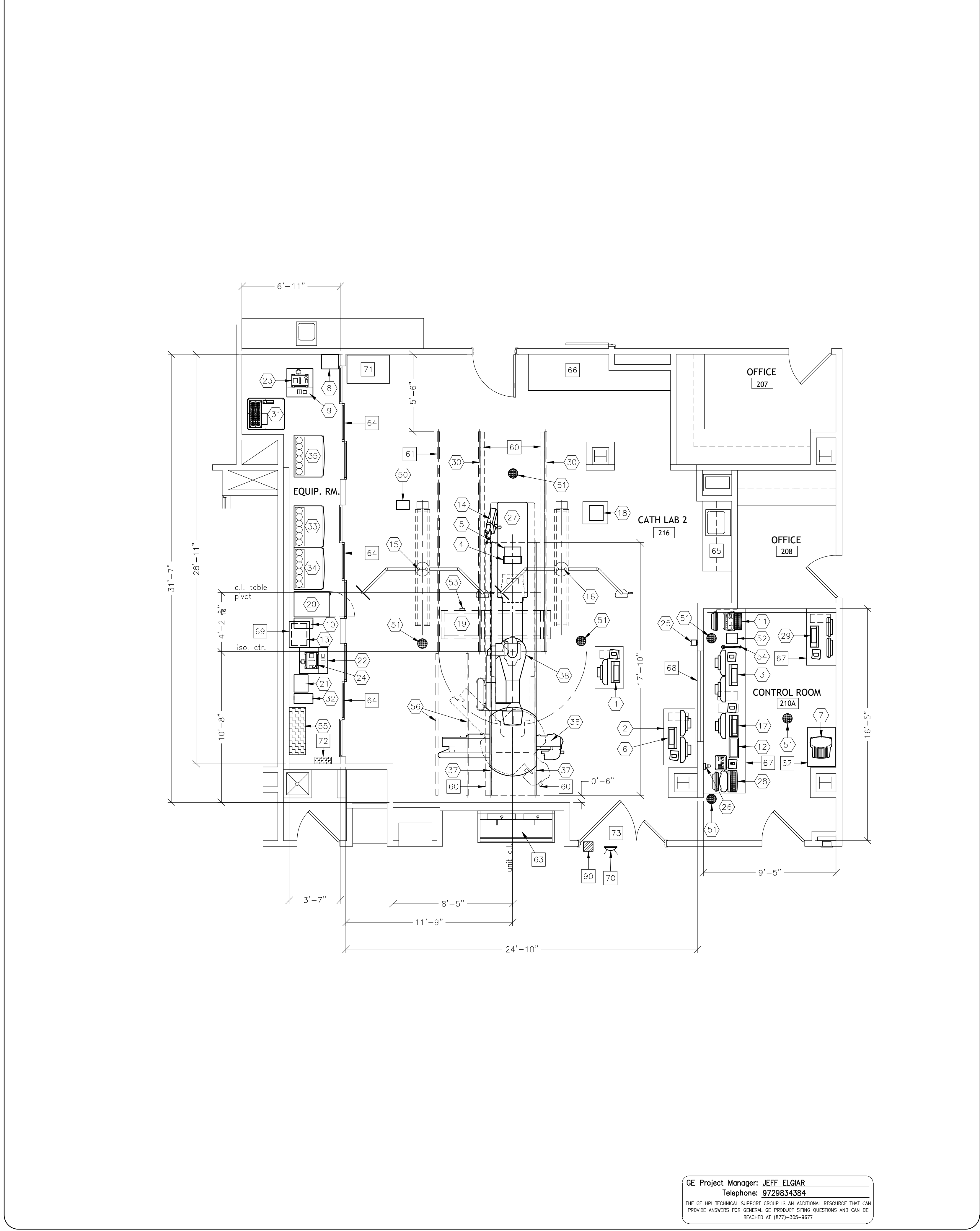
ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN
1	1		CLIENT WORKSTATION	46 lbs	682 btu		---	S
2	1		WORKSTATION CART				---	---
3	1		COMBOLAB CONSOLE INCLUDES MONITORS AND KEYBOARD	566 lbs	2935 btu		---	PC S
4	1		TRAM NET RACK	8 lbs		B5047	---	TRAM S
5	1		CLAB 2 PLUS AMPLIFIER	24 lbs	204 btu	B5051	---	AMP S
6	1		REMOTE MONITORING WORKSTATION WITH TWO LCD MONITORS	81 lbs	1109 btu		---	RMDT S
7	1		CENTRICITY INV SERVER	350 lbs	4378 btu		---	S
8	1		AP COOLIX 4100 AUTOTRANSFORMER	66 lbs	238 btu	B-IGSO3	---	AT
9	1		AP COOLIX 4100 WATER CHILLER	264 lbs	18730 btu	B-IGSO3 B-IGSO4	---	CHLR C
10	1		3 KVA UPS CABINET (LARGE DISPLAY SUBSYSTEM OPTION)	99 lbs	546 btu	B2016	---	UPS3 C
11	1		IVUS VOLCANO S5; CONSOLE, INCLUDES FLAT PANEL MONITOR AND KEYBOARD (DESK MOUNTED)	68 lbs	1631 btu	B551	---	IVUS
12	1		REMOTE CONTROL FOR INJECTOR	4 lbs		B5028	---	IEC S
13	1		INJECTOR ELECTRONICS	37 lbs	320 btu	B5028	---	IE S
14	1		INJECTOR HEAD ON TABLE RAIL	15 lbs		B5030A	---	IH S
15	1		COUNTERBALANCED EYE AND THYROID SHIELD WITH MACH 3 LAMP	143 lbs		B5031E	B5031F	LMP S
16	1		COUNTERBALANCED EYE AND THYROID SHIELD WITH R96 LAMP	143 lbs		B5031E	B5031F	LMP S
17	1		MICRO PACE (STIM LAB) STIMULATOR WORKSTATION	33 lbs		B8139	---	MP
18	1		MICRO PACE (STIM LAB) CARDIAC STIMULATOR GENERATOR (ON CUSTOMER SUPPLIED CART)	37 lbs			---	---
19	1		LARGE DISPLAY MONITOR ON SINGLE MONITOR SUSPENSION (9 FT. INBOARD BRIDGE (MOUNT TWO GE MONITORS ON BACKSIDE OF LD MONITOR)	784 lbs	1706 btu	B2004 B2015	---	LDM C
20	1		LARGE DISPLAY MONITOR CABINET	253 lbs	3412 btu	B2014	---	LDC C
21	1		LATERAL COOLIX 4100 AUTOTRANSFORMER	66 lbs	238 btu	B-IGSO3	---	AT
22	1		LATERAL COOLIX 4100 WATER CHILLER	264 lbs	18730 btu	B-IGSO3 B-IGSO4	---	CHLR C
23	1		AP DETECTOR CHILLER	33 lbs	709 btu	B5150A	---	DC
24	1		LATERAL DETECTOR CHILLER	33 lbs	709 btu	B5150A	---	DC
25	1		XR BUZZER (LOCATED ABOVE CEILING)	2 lbs		B5150H	---	XR B
26	1		BOLUS CHASE HANDSWITCH	2 lbs			---	WBC3
27	1		OMEGA V TABLE	1300 lbs	614 btu	B5061	B5049M	L U5 C
28	1		OPERATORS CONSOLE	22 lbs	546 btu	C7502 B5050D C7619D	---	WBC1 C
29	1		AW WORKSTATION	81 lbs	1201 btu	M1013AW C7619D	---	C
30	2		LONGITUDINAL STATIONARY RAIL FOR LCD MONITOR SUSPENSION	68 lbs		B20082	---	C
31	1		UPS CABINET	1170 lbs	4061 btu	E4502SG	---	UPS
32	1		3 KVA UPS CABINET	81 lbs	546 btu		---	UPS1
33	1		LC/LP CABINET (C2)	621 lbs	4570 btu		---	C2
34	1		LATERAL CABINET (C3)	703 lbs	2945 btu		---	C3
35	1		AP FRONTAL CABINET (C1)	898 lbs	4413 btu		---	C1
36	1		LATERAL POSITIONER BRIDGE MOUNT ASSEMBLY MOUNTED FROM CEILING SUPPORTS	1421 lbs	4126 btu	B5050K B5050L B5050M B5050N B5150B B5150C	---	LP4 C
37	2		LONGITUDINAL STATIONARY RAIL FOR LATERAL POSITIONER INNOVA POSITIONER	68 lbs		B20083	---	C
38	1		INNOVA POSITIONER (REFERENCE TABLE BASE-PLATE DETAIL FOR FLOOR MOUNTING INFORMATION)	1653 lbs	2416 btu	B5050E B5050F B5050G B5050H B5050J B5150D B5150E B5150F B5150G	---	LC1 C

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

39	1		EXTERNAL TRANSFORMER FOR MACH 3 SURGICAL LAMP (MOUNTED ABOVE CEILING OR ON SHELF IN EQUIPMENT ROOM)	70 lbs		CMACH3	---	M3T
40	6		VITALING SPEAKER				---	---
41	1		VITALING CONSOLE			B0566	---	---
42	1		VITALING MICROPHONE (ONE ON MONITOR BRIDGE IN EXAM ROOM)				---	---
43	1		VITALING MICROPHONE (ONE ON COUNTERTOP IN CONTROL ROOM)				---	---
44	1		INNOVA MAIN DISCONNECT, REFERENCE JUNCTION POINT "A" ON SHEET E1 FOR DETAILED DESCRIPTION.	899 lbs	2215 btu	E4502BB	---	PDB
45	2		CABLE DRAPE RAIL FOR LP POSITIONER				B20043	---

SCALE: 1/4" = 1'-0" EQUIPMENT LAYOUT REQUIRED CEILING HEIGHT = 9'-4" +/- 0.2"

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.



GE Project Manager: JEFF ELGIAR
Telephone: 9729834384
THE GE HR TECHNICAL SUPPORT GROUP IS AN ADDITIONAL RESOURCE THAT CAN PROVIDE ANSWERS FOR GENERAL GE PRODUCT SIZING QUESTIONS AND CAN BE REACHED AT (877)-305-9877

ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	BEARING BLOCK OUTLINE, SEE S1 FOR MORE INFORMATION.
61	CABLE DRAPE RAIL.
62	CUSTOMER SUPPLIED SERVER RACK
63	SCRUB SINK
64	SLIDING DOORS
65	COUNTER TOP WITH SINK, BASE AND WALL CABINETS
66	COUNTER TOP WITH BASE CABINETS
67	COUNTER TOP FOR EQUIPMENT-SHELVING MAY BE REQUIRED PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
68	CONTROL WALL TO CEIL. WITH LEAD GLASS VIEWING WINDOW. SHELF - CUSTOMER TO PROVIDE ADEQUATE WALL SUPPORT
69	X-RAY ON WARNING LIGHT, AVAILABLE FROM GE SUPPLY CALL: 800-900-9760 GE CAT. NO. WK1ABW-DF-XIU
70	CUSTOMER SUPPLIED STORAGE CABINET
71	180-AMP LOCAL SERVICE DISCONNECT FOR LOCK-OUT/TAG-OUT CAPABILITY (MAY BE A FUSED DISCONNECT, CIRCUIT BREAKER OR SAFETY SWITCH.)
72	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W X 82 IN. H (1180mm X 2100mm). CONTINGENT ON A 36 IN. CLEARANCE CORRIDOR WIDTH.

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

90 REFERENCE JUNCTION POINT "XRLC" ON SHEET "E1" FOR DETAILED DESCRIPTION. X-RAY ON WARNING LIGHT CONTROL ONLY (AVAILABLE FROM GE) SUPPLY CALL: 800-900-9760 (317-554-9805), EXTENSION 3825.

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

- EQUIPMENT ROOM AMBIENT OPERATING TEMPERATURE: 50 TO 95 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR, WITH 30% - 75% HUMIDITY.
- EXAM ROOM AMBIENT OPERATING TEMPERATURE: 50 TO 95 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR, HUMIDITY: 30% - 70%
- CONTROL ROOM AMBIENT OPERATING TEMPERATURE: 50 TO 75 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR, HUMIDITY: 30% - 75%
- ALTITUDE: NOT TO EXCEED 8,000 FT. 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
Minneapolis, MN

SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: INNOVA IGS 630
THIS PLAN IS SUBMITTED TO SUBMIT 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 REGULATIONS AND STANDARDS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
**MEMORIAL HERMANN
WOODLANDS HOSPITAL**
SHENANDOAH, TEXAS

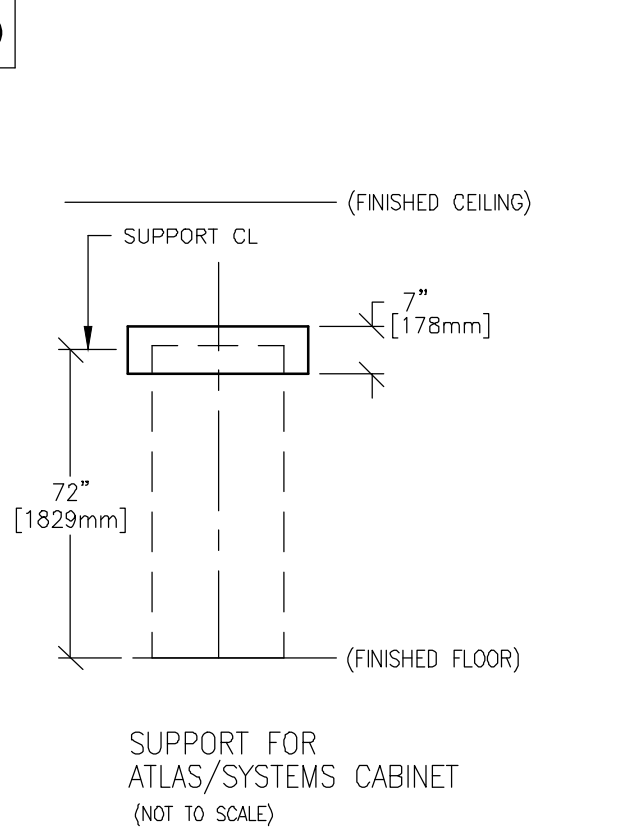
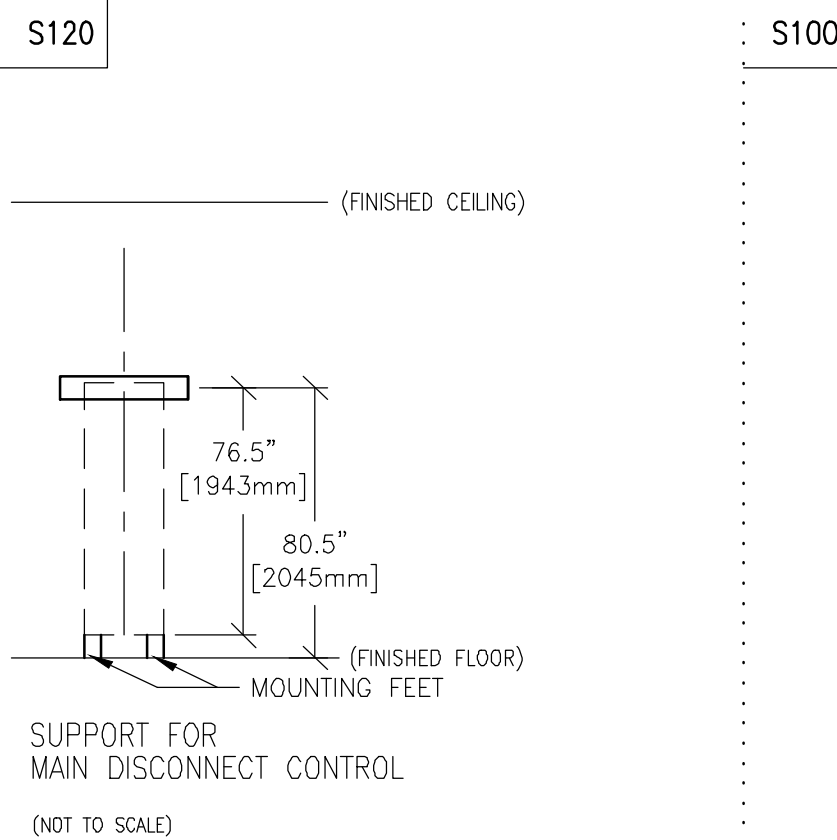
PROJECT	REVISION
123581	00

DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

REVISION HISTORY:

SHEET
A1

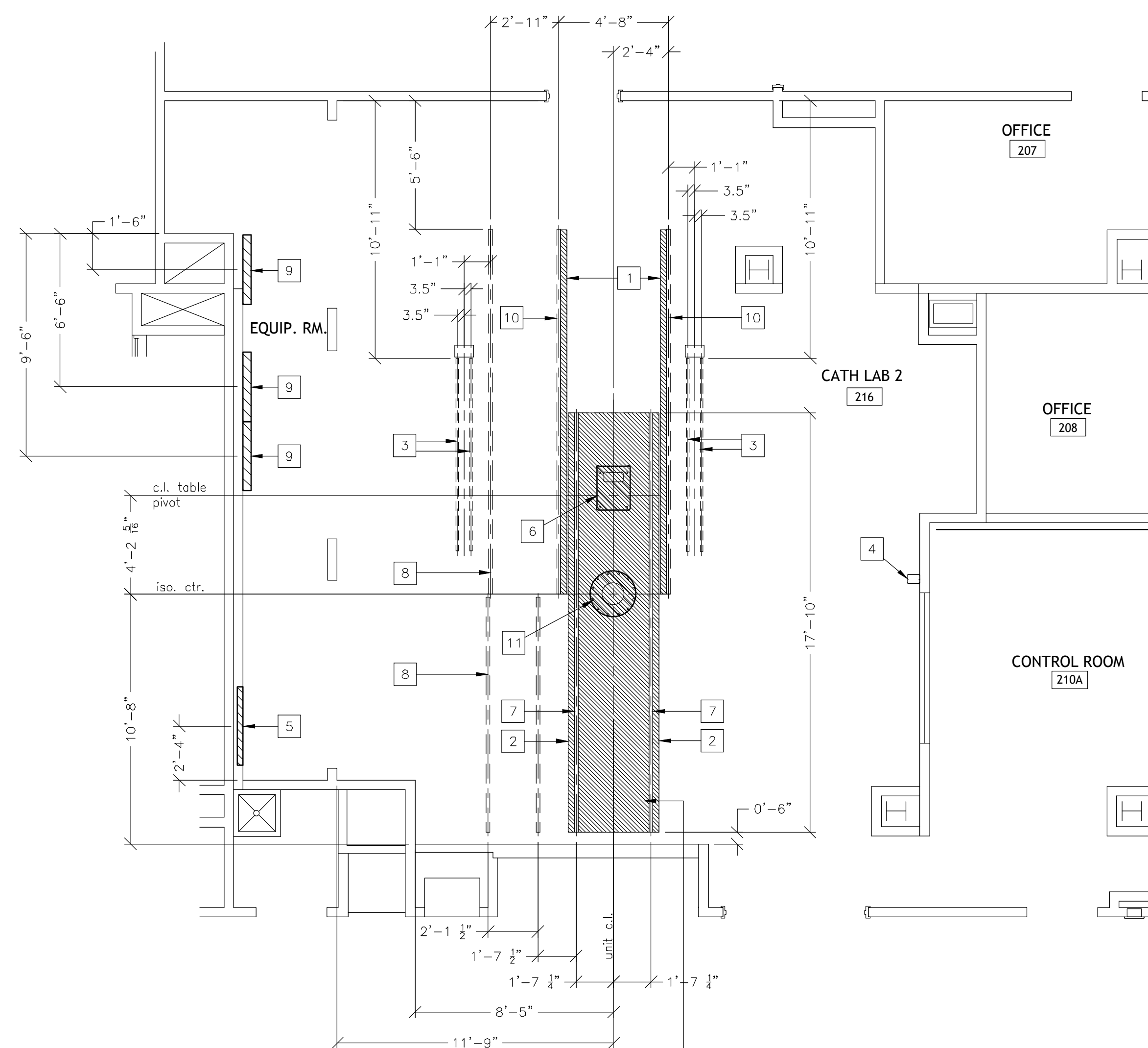
TYPICAL WALL SUPPORT ELEVATIONS



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

STRUCTURAL LAYOUT

REQUIRED CEILING HEIGHT = 9'-4" +/- 0.2"



GE Project Manager: JEFF ELGAR
Telephone: 9729834384
THE GE HR TECHNICAL SUPPORT GROUP IS AN ADDITIONAL RESOURCE THAT CAN PROVIDE ANSWERS FOR GENERAL GE PRODUCT SIZING QUESTIONS AND CAN BE REACHED AT (877)-305-9877

STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	HATCHED AREA INDICATES MONITOR BRIDGE BEARING BLOCK PATH.
2	HATCHED AREA INDICATES LP POSITIONER BEARING BLOCK PATH.
3	UNISTRUT OR EQUIVALENT SUPPORTS FOR FASTENING THE OVERHEAD COUNTERPOISED SUSPENSION. SUPPORT TO BE LOCATED AS SHOWN. SUPPORT SHOULD RUN CONTINUOUS WITH NO FITTINGS EXTENDING BELOW FACE OF UNISTRUT CHANNEL, BE PARALLEL, SQUARE, AND IN THE SAME HORIZONTAL PLANE, FLUSH WITH FINISHED CEILING. SUSPENSION REQUIRES 105 LBS/BOLT SUPPORT. METHODS OF SUPPORT THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION.
4	MOUNT XR BUZZER BRACKET ON WALL ABOVE CEILING
5	SUPPORT BACKING LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S120, FOR MAIN DISCONNECT CONTROL.
6	AREA OCCUPIED BY GE SUPPLIED OMEGA TABLE BASE
7	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 430 LBS. (<997 LBS. IN SEISMIC REGIONS) PER BOLT LOAD. METHODS OF SUPPORT THAT PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION.
8	>>COMPONENTS BELOW CEILING<< CABLE DRAPE RAIL, UNISTRUT CAT. NO. CPGESS OR EQUIVALENT. TO ORDER, CALL UNISTRUT WISCONSIN AT 262-796-8710.
9	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S100, FOR ATLAS CABINET.
10	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 430 LBS. (<997 LBS. IN SEISMIC REGIONS) PER BOLT LOAD. METHODS OF SUPPORT THAT PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION.
11	AREA OCCUPIED BY GE SUPPLIED POSITIONER BASEPLATE

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"

SHEET TITLE: STRUCTURAL LAYOUT
MODALITY TYPE: INNOVA IGS 630

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00

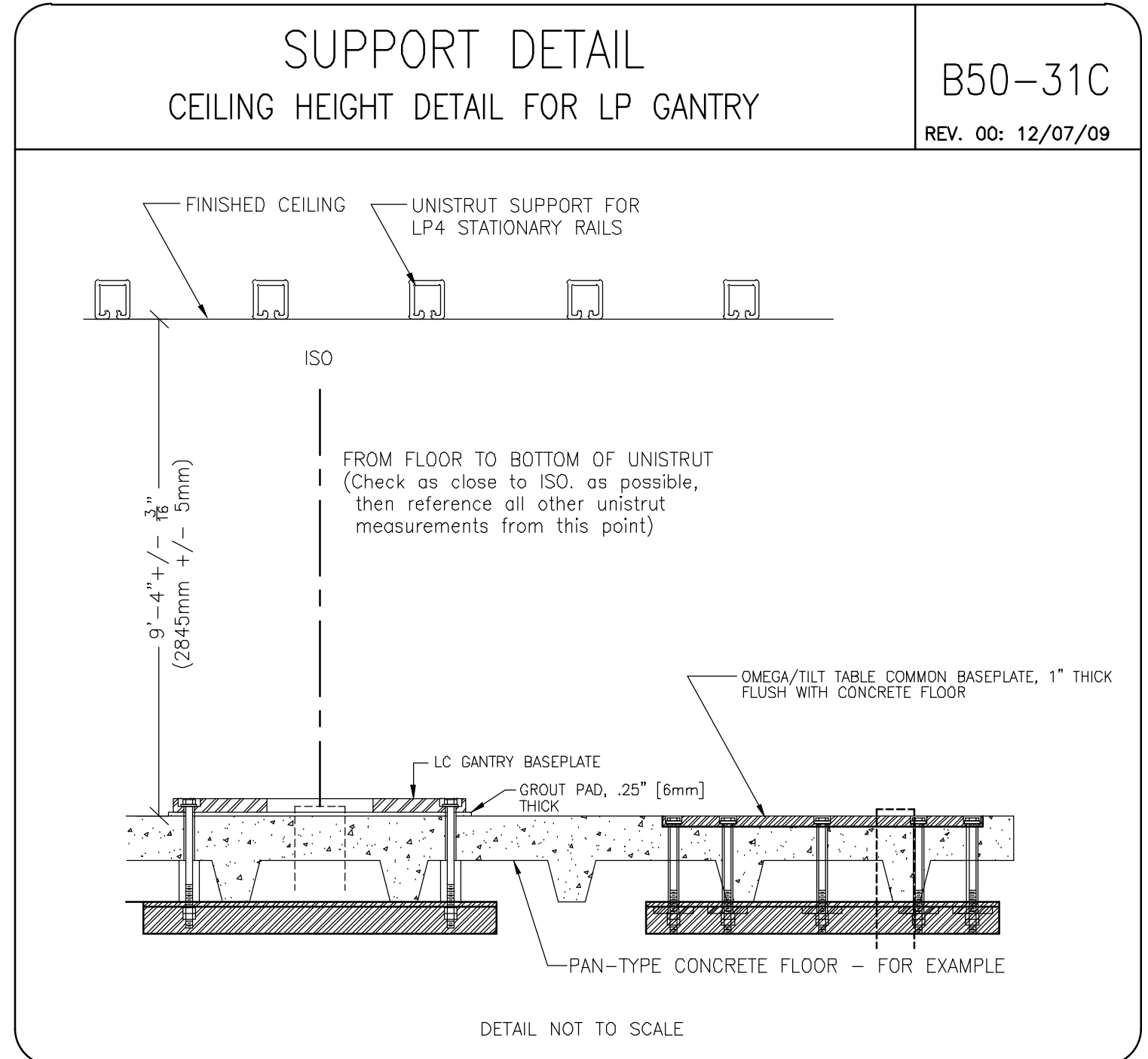
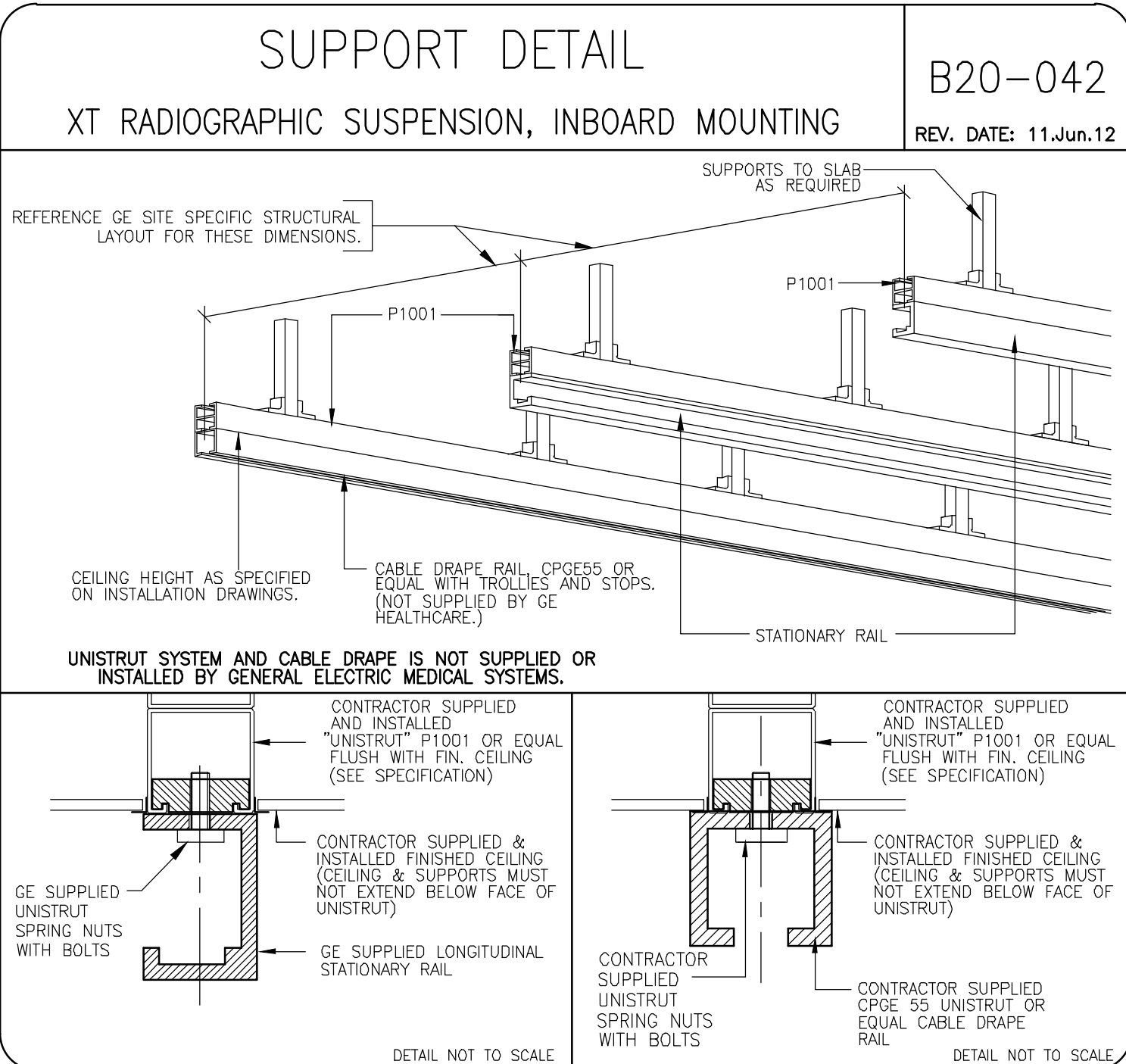
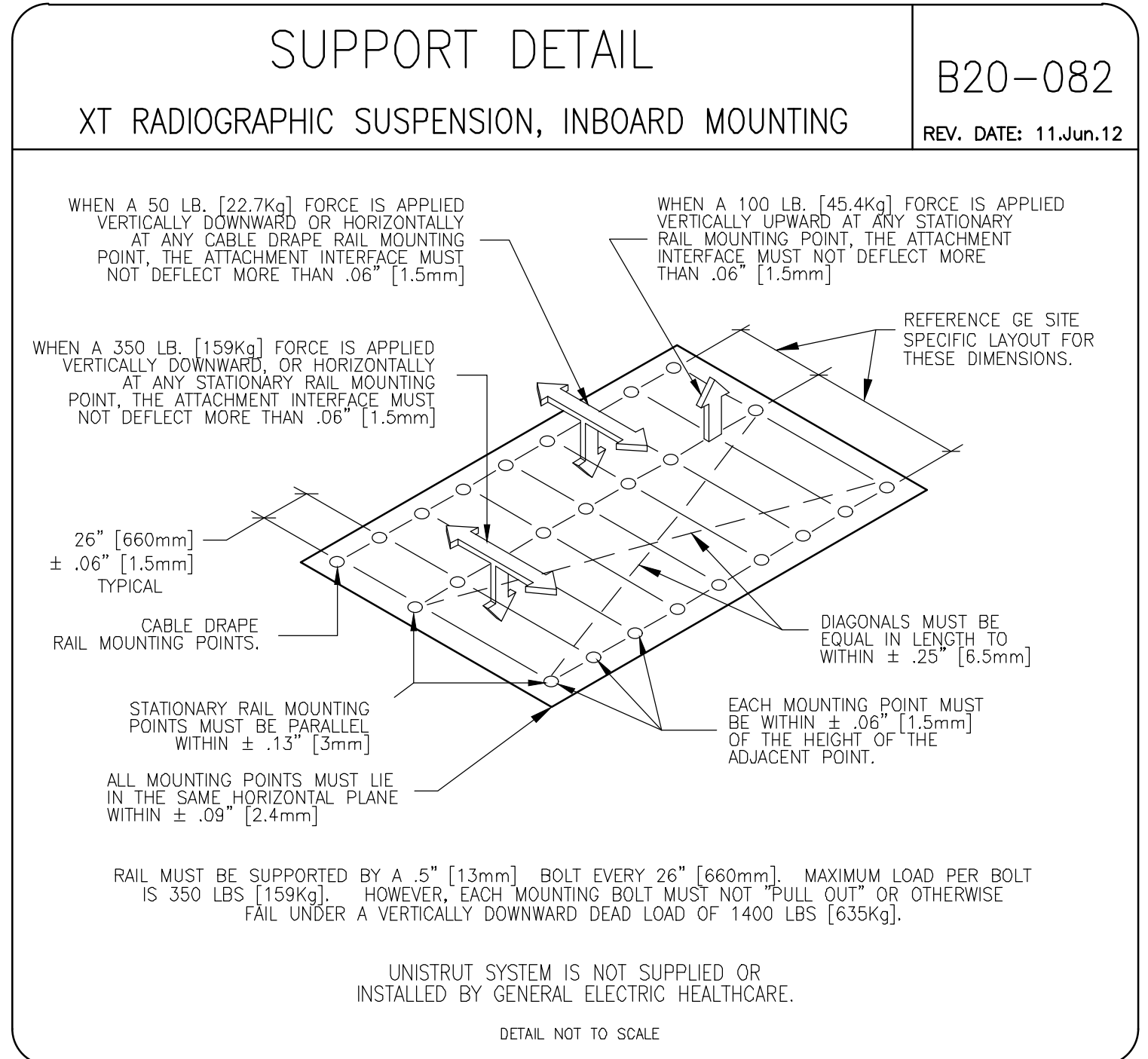
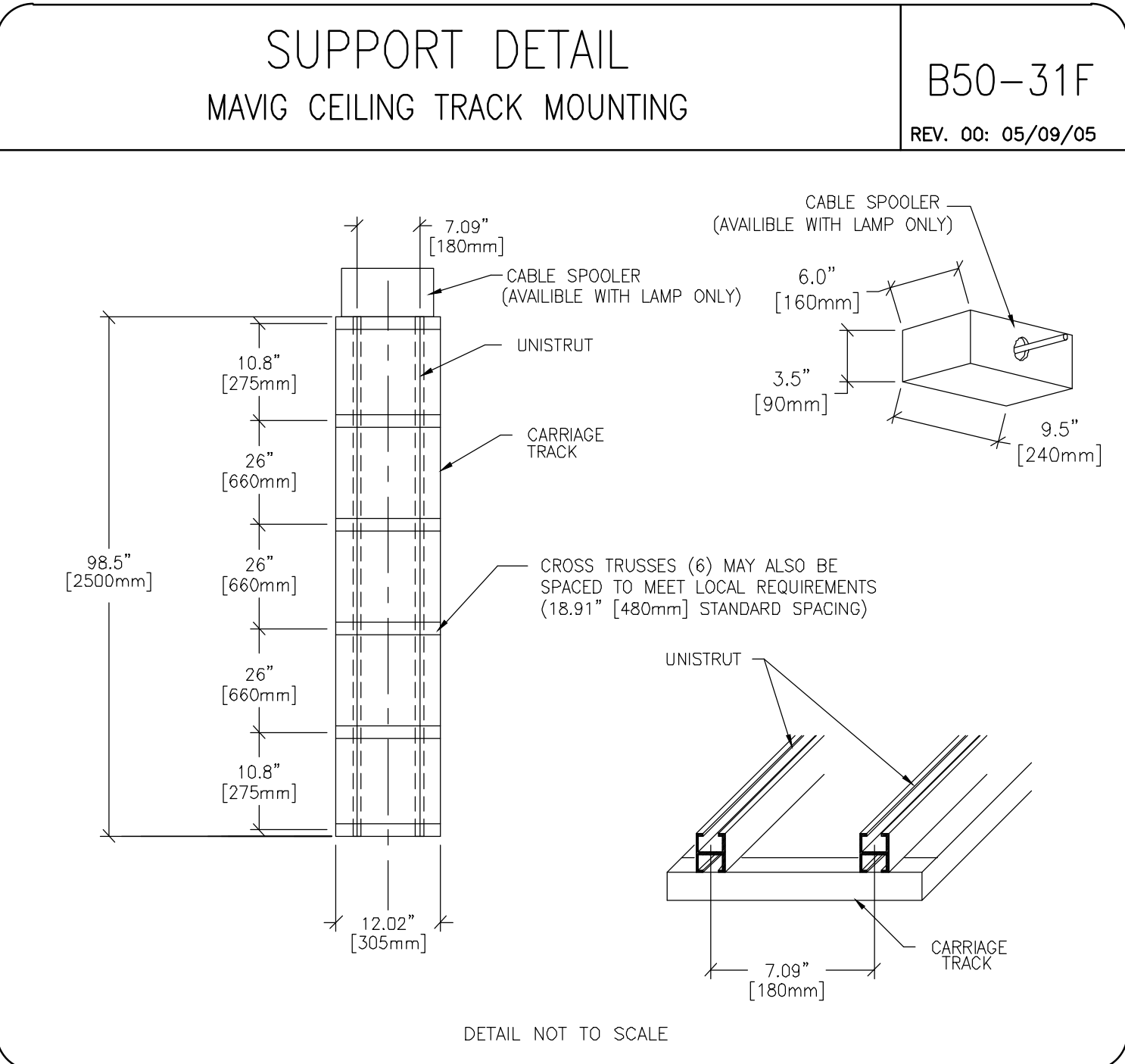
DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

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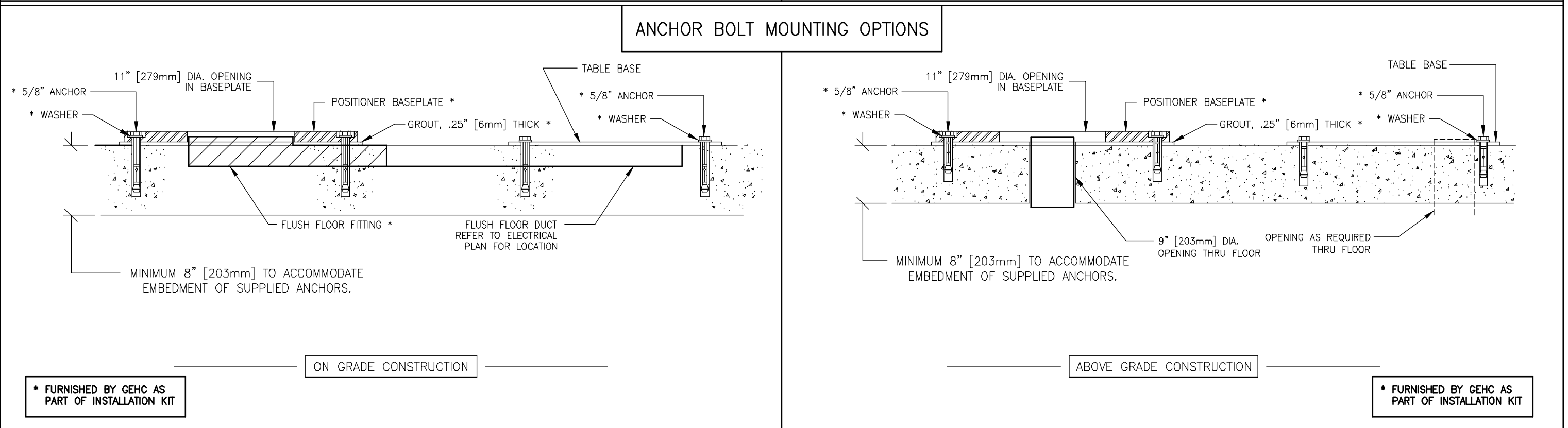
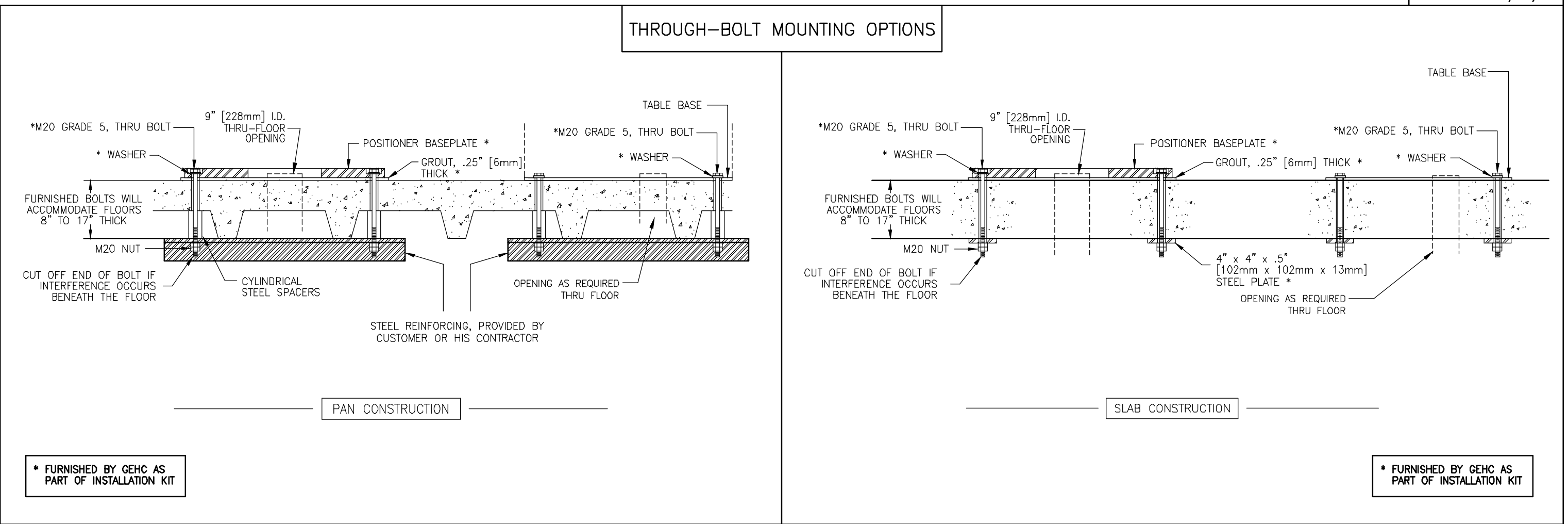
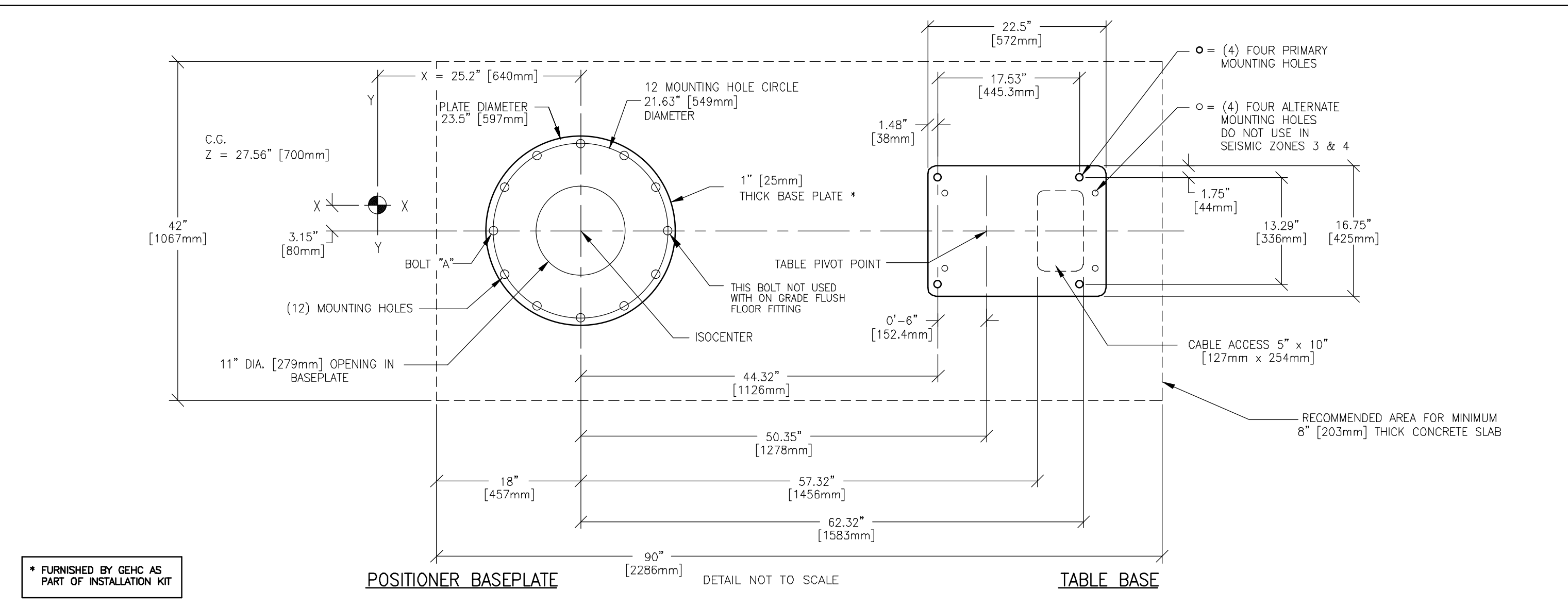
SHEET
S1

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This drawing is based on Sketch No.: 12JWE57ext
PIM R2
RQ - 132019

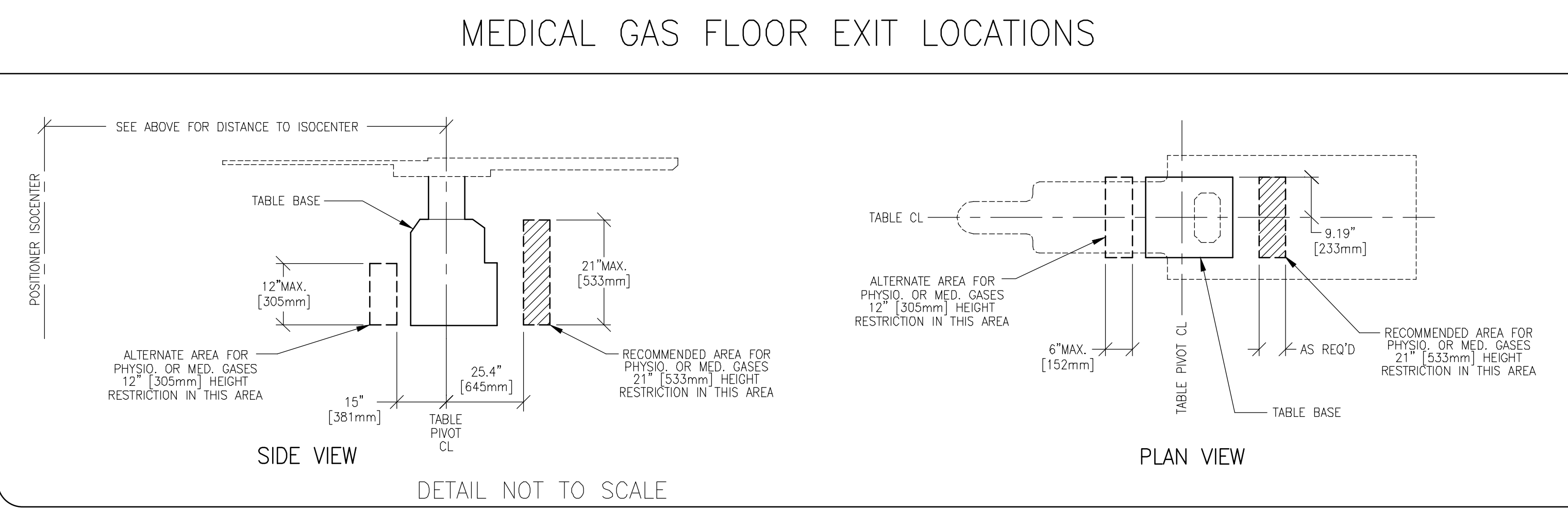


FLOOR MOUNTING : ALL INNOVA (UNITY AND HARMONY) SYSTEMS/OMEGA V LONG TABLE (NO IQ TILT TABLE BASEPLATE) INSTALLATION (TEMPLATE NO. 2127792)



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.



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 = 120 lbs. [54 Kg]/BOLT		

GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, MN

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: INNOVA IGS 630

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

THIS PLAN IS SUBMITTED TO SUBMIT LOCATION OF 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 SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. GE HEALTHCARE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

THIS drawing is based on Sketch No.: 12JWE57ext

PROJECT	REVISION
123581	00

DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

REVISION HISTORY:

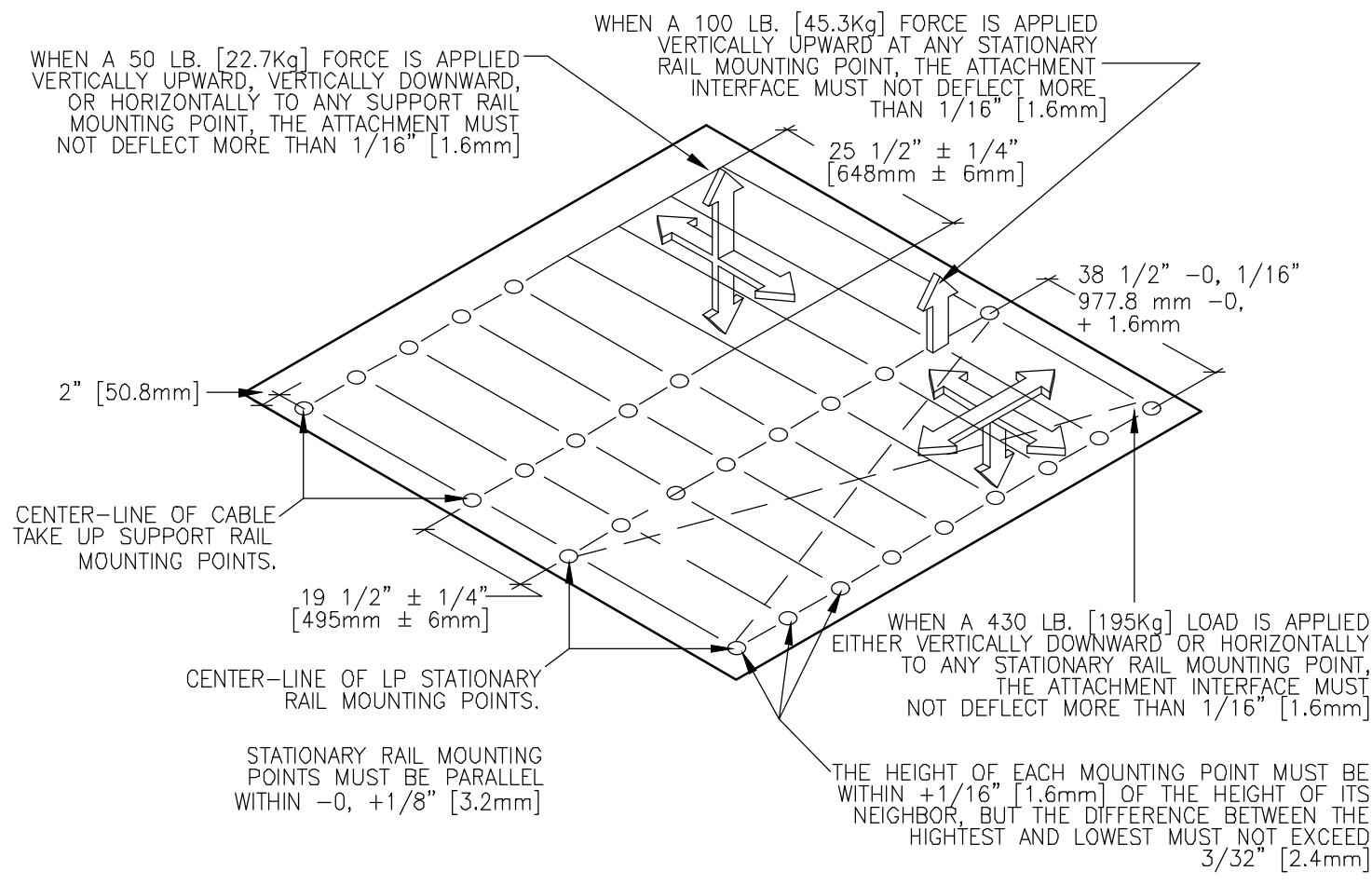
SHEET
S2

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

SUPPORT DETAIL
LATERAL STATIONARY RAIL SUSPENSION

B20-083

REV. DATE: 01/13/09



CAUTION:
- THE MAXIMUM LOAD PER BOLT WILL NOT EXCEED 430 lbs. [195kg].
- EACH BOLT MUST NOT "PULL OUT" OR OTHERWISE FAIL UNDER A VERTICALLY DOWNWARD "DEAD" LOAD OF 1717 lbs. [778.7kg].

STRUCTURE SHOULD NOT ALLOW VIBRATIONS TRANSMISSION EQUAL OR LOWER THAN 10Hz

DETAIL, NOT TO SCALE

This drawing is based on Sketch No.: 12JWE57ext

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00
DATE:	14.Dec.12
DRAWN BY:	TST
CHECKED BY:	TST
Q.L. NO:	P2C167466V1
Q.L. DT:	07.Dec.12

REVISION HISTORY:

SHEET

S3

SHEET TITLE:
MODALITY TYPE: INNOVA ICS 630

THIS PLAN IS SUBMITTED TO SUBJECT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS TO VERIFY ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IT IS NOT TO BE USED FOR ANY CONSTRUCTION PURPOSES. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.



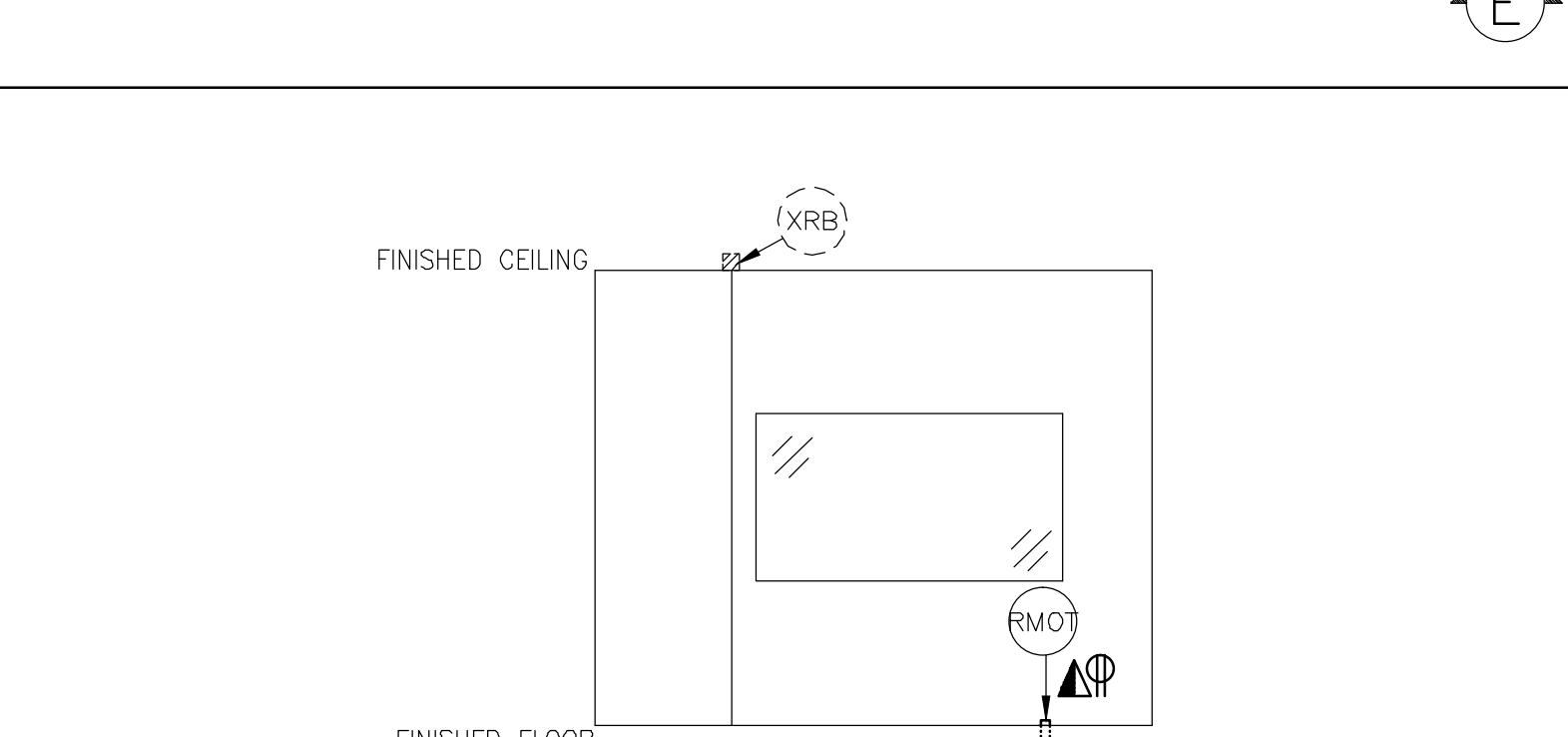
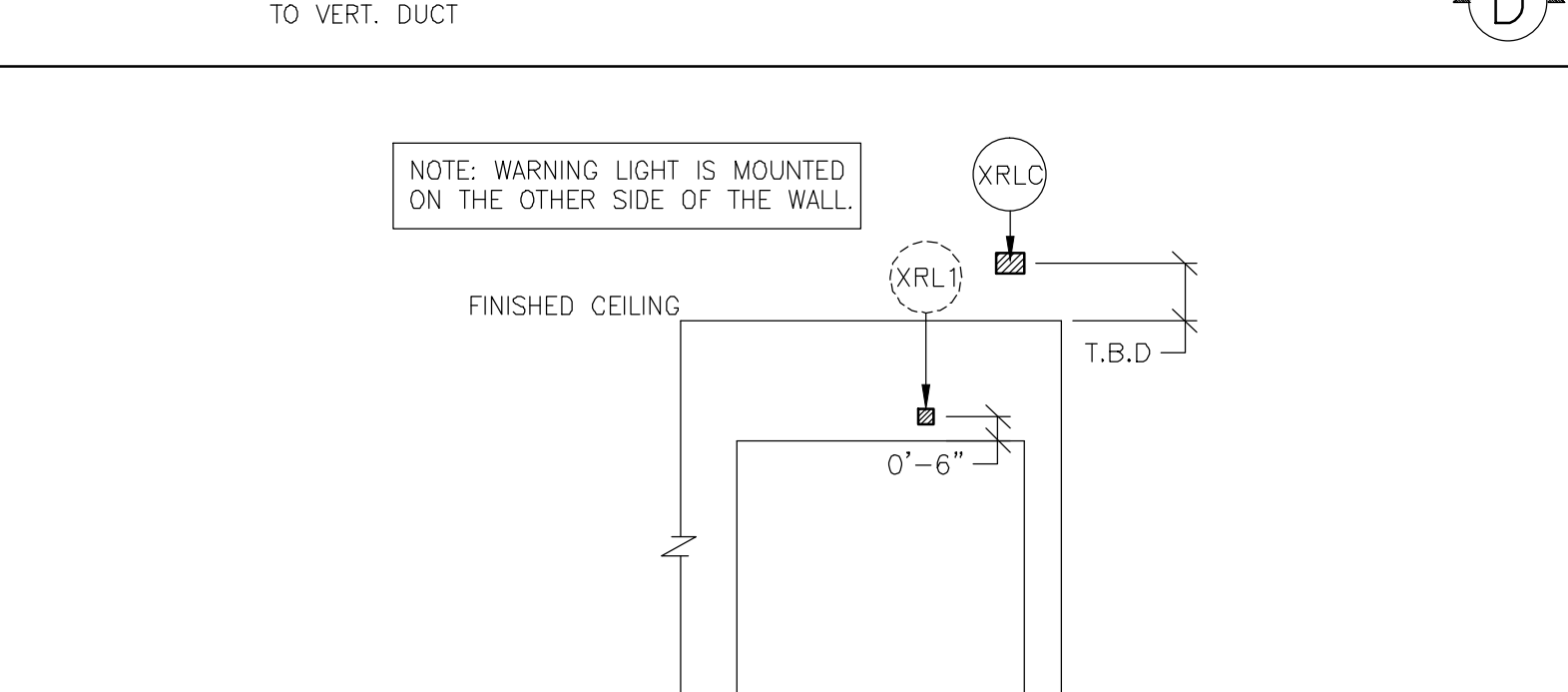
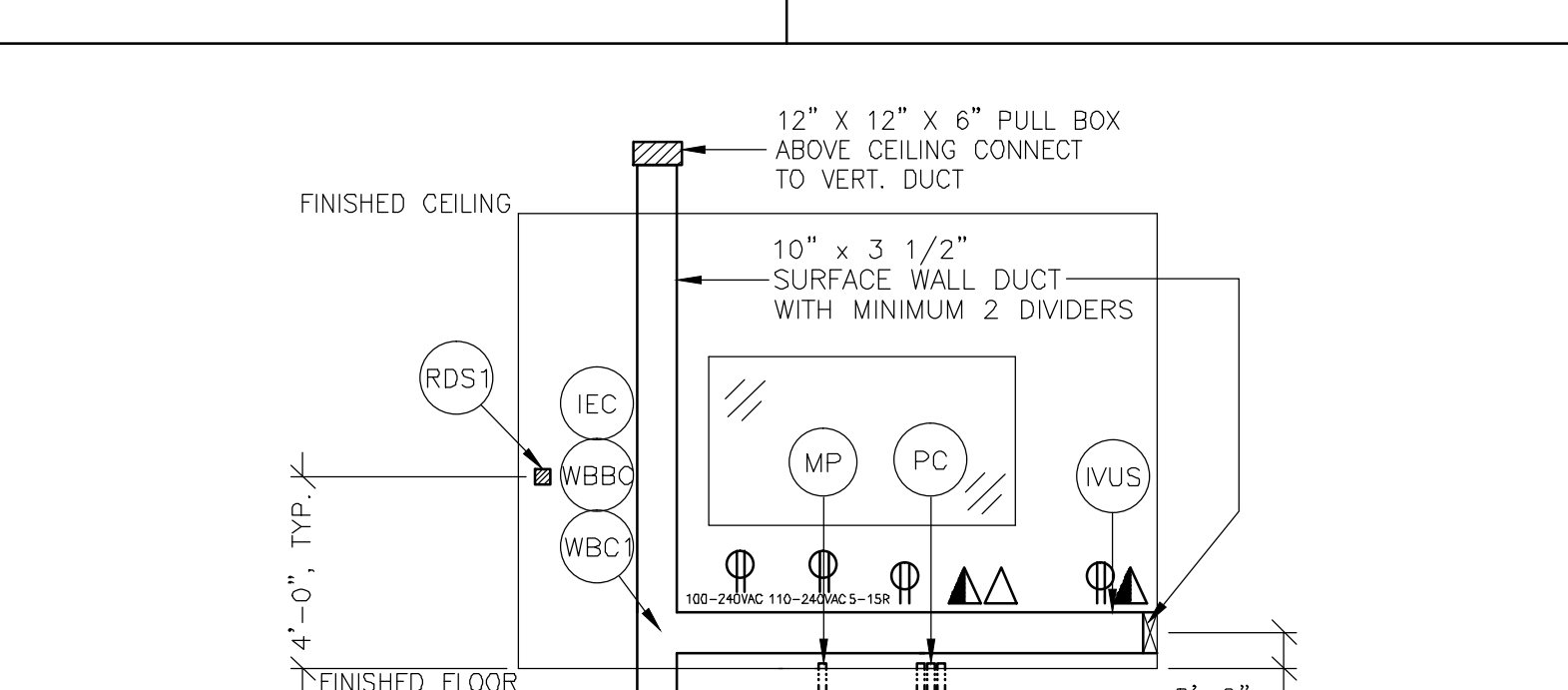
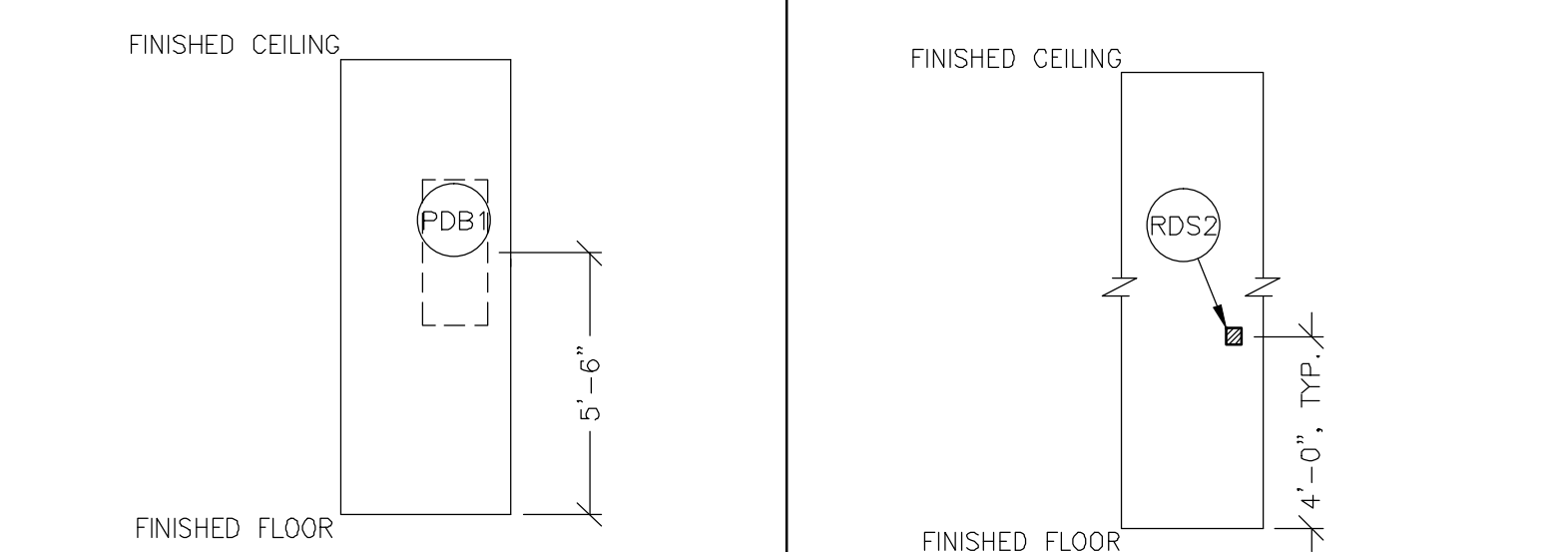
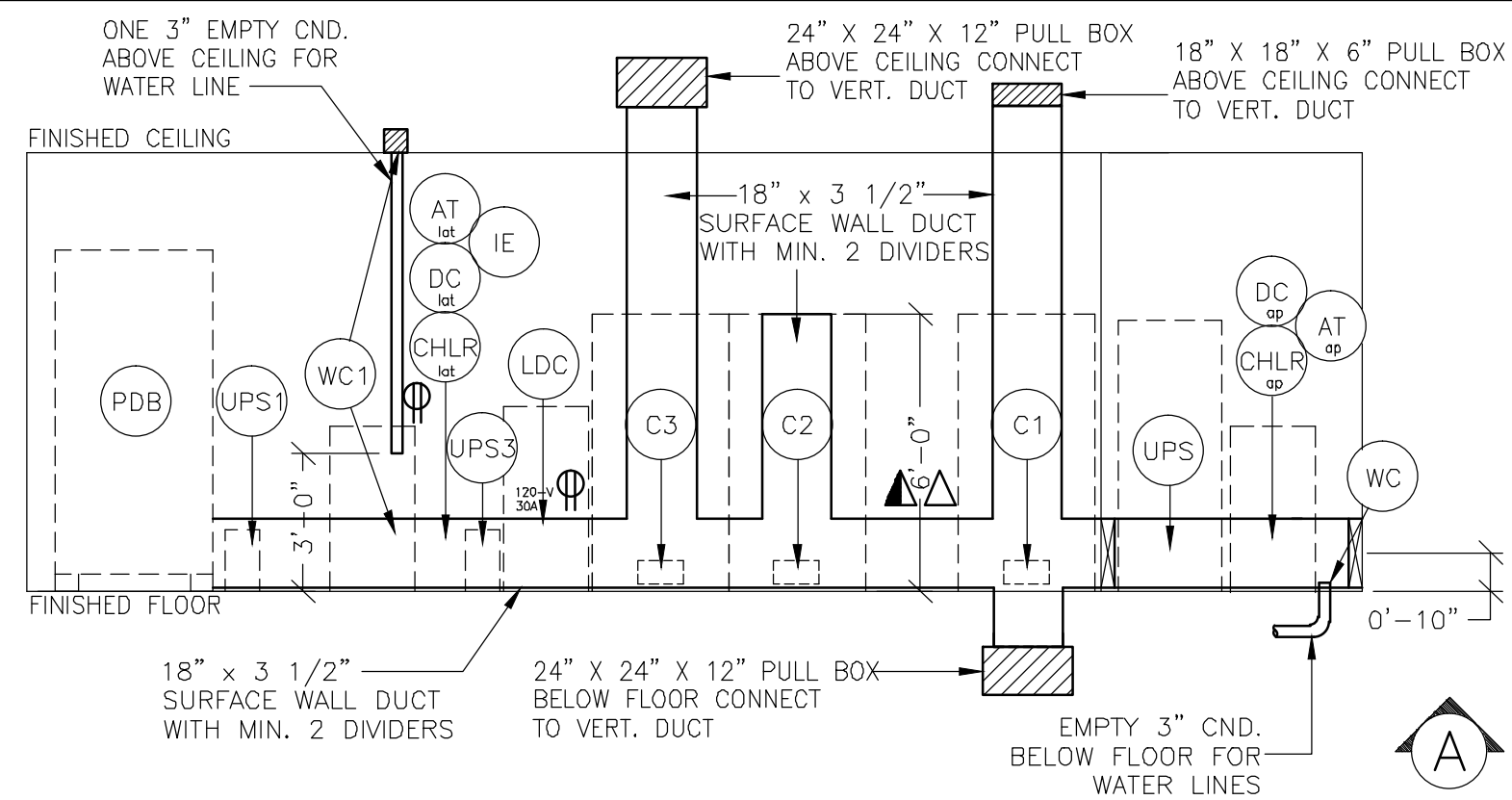
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Milwaukee, Wisconsin

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

ELECTRICAL PLAN

REQUIRED CEILING HEIGHT = 9'-4" +/- 0.2"



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

ELECTRICAL OUTLET LEGEND

- Customer/contractor supplied and installed items. Duplex hospital grade, dedicated wall outlet 120-v, single phase power. 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 ceiling outlet 120-v, single phase power. Duplex hospital grade, dedicated twist lock outlet 120-v, emergency, single phase power, 30A. 110-240VAC 50-60Hz, 90VA max. (40VA standby), Class II outlet. 100-240VAC to 12V DC 5.0A PSU (via isolation transformer). 100-240VAC to 15V DC 1.2A PSU. Duplex hospital grade, dedicated wall outlet 115-v, 6 GANG, SINGLE PHASE POWER. 15-30R RECEPTACLE, DEDICATED OUTLET 120-V, SINGLE PHASE POWER.

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: 1. Ductwork shall be metal with dividers and have removable, accessible covers. 2. Ductwork shall be certified/rated for electrical power purposes. 3. Ductwork shall be electrically and mechanically bonded together in an approved manner. 4. PVC as a substitute must be used in accordance with all local and national codes. All openings in access flooring are to be cut out and finished off with grommet material by the customer's contractor. General contractor to insert pull cords for all cable run conduits between the equipment room and the operators control room. 10 foot pigtail at all junction points. All wiring must be thin or tfn 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.

GE Project Manager: JEFF ELGAR Telephone: 9729834384

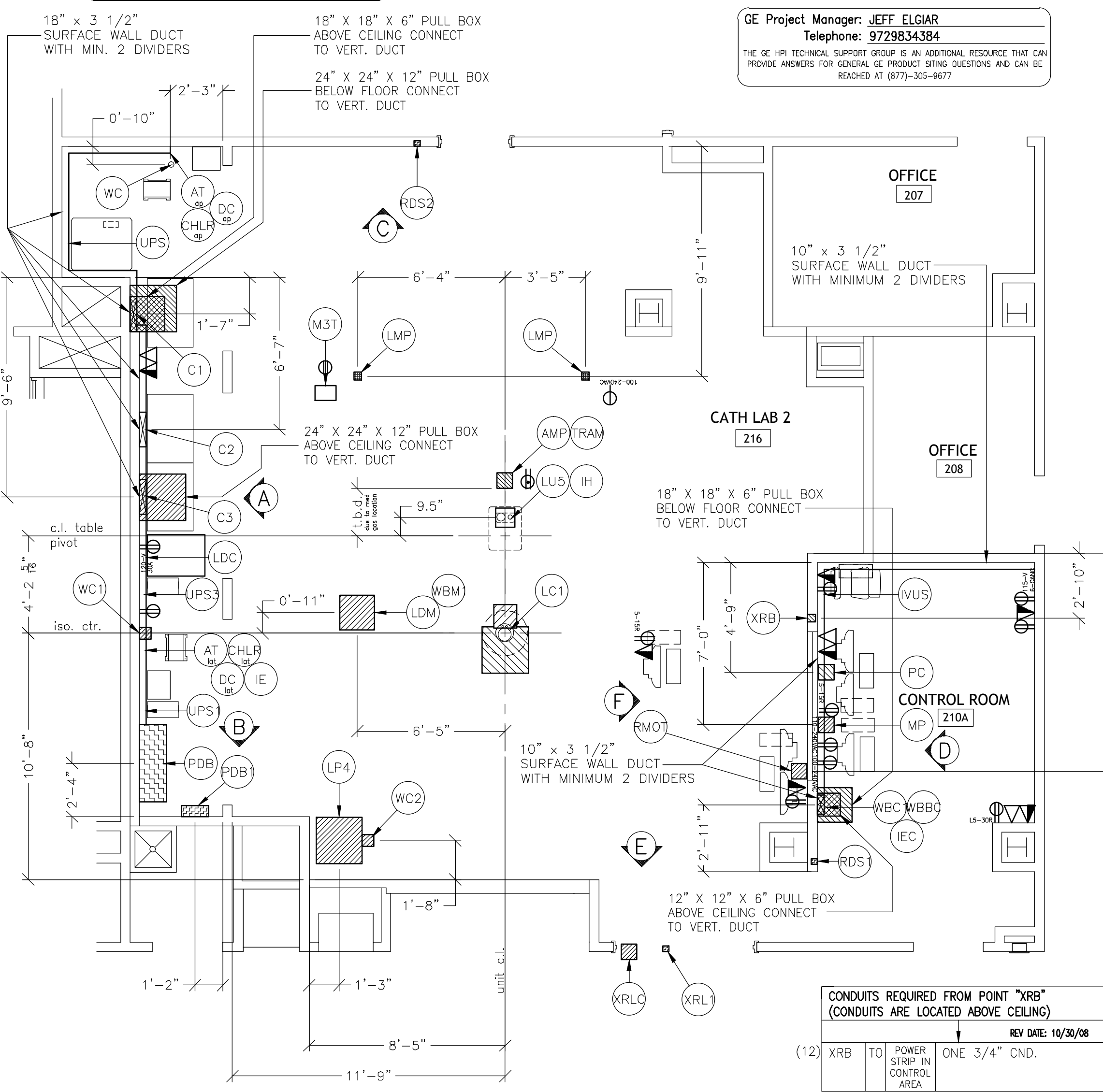


Table with 3 columns: Run ID, From, To, Description. Includes items like LP4 TO C3, WC2 TO WC1, LC1 TO C1/C2, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like XRL1 TO PDB, XRLC TO PDB, XRLC TO 120-V 18 POWER, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like M3T TO SPOOLER, M3T TO 120-V 18 POWER, LMP TO SPOOLER, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like LMP TO 120-V 18 POWER, M3T TO SPOOLER, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like WBM1 TO C1, LDM TO LDC, LDC TO WBC1, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like WBC1 TO TRAM, WBC1 TO LUS, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like PDB TO UPS1, PDB TO UPS, PDB TO RDS1, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like PDB TO C1, PDB TO C1, PDB TO C2, etc.

Table with 3 columns: Run ID, From, To, Description. Includes items like PDB TO C2, PDB TO C3, PDB TO LUS, etc.

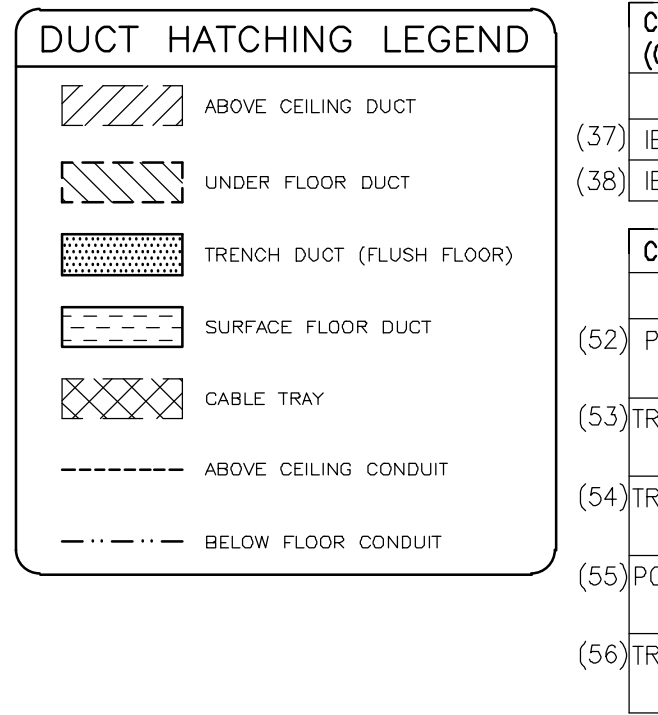
Table with 3 columns: Run ID, From, To, Description. Includes items like PDB TO PDB1, PDB1 TO 480-V 3P POWER, PDB TO IE, etc.

CONTACT YOUR LOCAL RADIO VASCULAR EQUIPMENT INSTALLATION (CVPM) FOR ANY MODIFICATIONS TO ROOM LAYOUT.

BEFORE PROCEEDING WITH INSTALLATION OF CEILING MOUNTED FIXTURES, PLEASE REFER TO STRUCTURAL SHEET S1 FOR LOCATIONS OF UNISTRUT AND OTHER STRUCTURAL SUPPORTED EQUIPMENT IN CEILING.

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

FEEDER TABLE with columns for Run Length in Feet and Power Supply Voltage (324-396, 342-418, 360-440, 378-462, 396-484, 414-506, 432-528).



JUNCTION POINT DESCRIPTIONS

Table with columns: Description, Qty., Hardware, Detail No., Sht. E3. Lists items like AMP Amplifier, AT AP/LAT COOLIX 4100 AUTOTRANSFORMER, C1 AP FRONTAL CABINET, etc.

CONTRACTOR SUPPLIED AND INSTALLED WIRING

Table with columns: Wire Run, From - To, Quantity, Wire Size/Color. Lists wiring for 3 phase, PDB1, PDB, etc.

GE Healthcare logo and text: Healthcare Project Implementation - Design Center

SHEET TITLE: ELECTRICAL LAYOUT MODALITY TYPE: INNOVA IGS 630

PROJECT TITLE: ROOM NO. CathLab2 MEMORIAL HERMANN WOODLANDS HOSPITAL SHENANDOAH, TEXAS

Table with columns: PROJECT, REVISION, DATE, DRAWN BY, CHECKED BY, Q.T. NO., Q.T. DT.

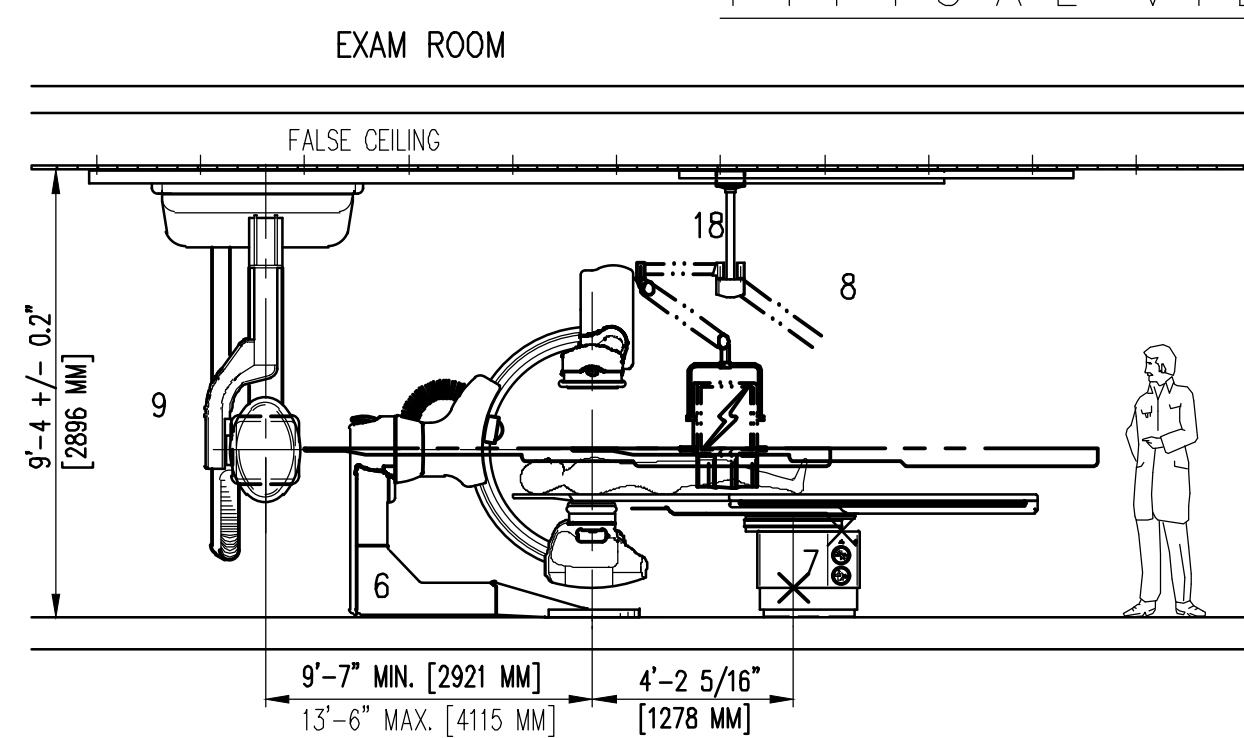
REVISION HISTORY: SHEET E1

This drawing is based on Sketch No.: 12JWE57ext

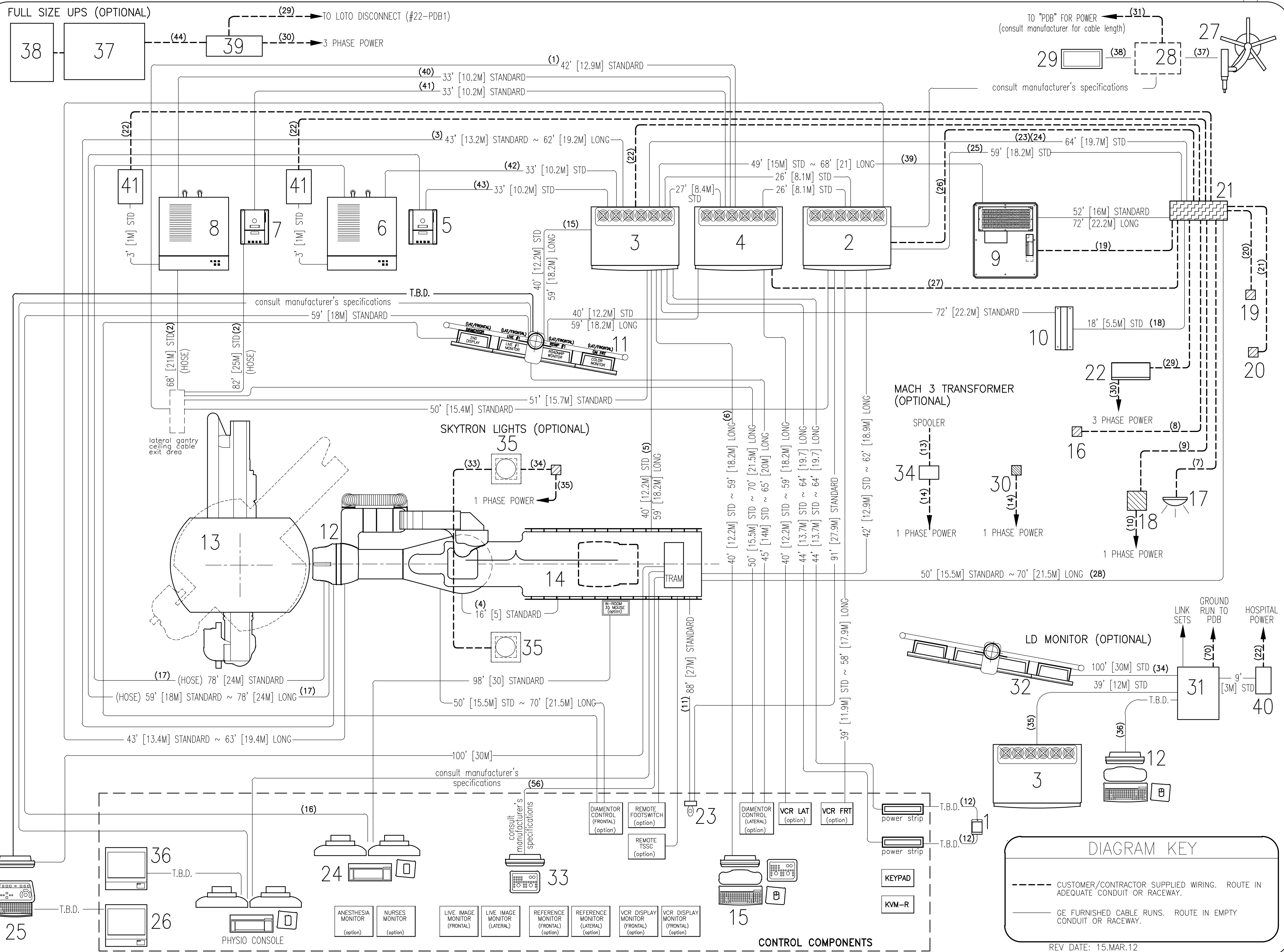
THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

INTERCONNECT DIAGRAM

TYPICAL VIEWS



EQUIPMENT DESCRIPTIONS				OPTIONS					
ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)	DRAWING DESIGNATOR	ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)	DRAWING DESIGNATOR
1	- XR BUZZER	2		XRB	23	- BOLUS CHASE HANDSWITCH	2		WBBC
2	- ATLAS CABINET C2	630	4570	C2	24	- ADVANTAGE WINDOWS WORKSTATION	81	1201	AW
3	- ATLAS CABINET C1	890	4413	C1	25	- IVUS VOLCANO CONSOLE	68	1631	IVUS
4	- ATLAS CABINET C3	705	2945	C3	26	- IVUS VOLCANO COLOR PRINTER	X	X	CP
5	- DETECTOR CONDITIONER (FRONTAL)	33	709	DC	27	- INJECTOR HEAD	15		IH
6	- WATER CHILLER (FRONTAL)	447	18723	CHLR	28	- INJECTOR ELECTRONICS	37	320	IE
7	- DETECTOR CONDITIONER (LATERAL)	33	709	DC	29	- REMOTE CONTROL FOR INJECTOR	4		IEC
8	- WATER CHILLER (LATERAL)	447	16320	CHLR	30	- LAMP (RADIATION SHIELD TRACK)	143		LMP
9	- 20kva UPS CABINET	1170	4061	UPS	31	- LD CABINET	254	3412	LDC
10	- 3kva UPS CABINET	81	546	UPS1	32	- LD MONITOR	784	1706	LDM
11	- TV CEILING SUSPENSION (8 MONITOR)	630	1638	WBM1	33	- MICRO PACE	X	X	MP
12	- INNOVA LC POSITIONER	1653	2416	LC1	34	- MACH 3 TRANSFORMER	70	X	M3T
13	- INNOVA LP POSITIONER	1879	4126	LP4	35	- SKYTRON LAMP	50	341	SL
14	- OMEGA V LONG TABLE	1750	614	LU5	36	- PHYSIO. PRINTER	X	309	---
15	- VCIM OPERATOR CONSOLE	22	546	WBC1	37	- 150 KVA UPS	2160	31802	UPS
16	- ROOM LIGHTS			RML1	38	- UPS BATTERY CABINET	3529	X	---
17	- XRAY WARNING LAMP			XRL1	39	- MAIN BYPASS PANEL	350	X	MBP
18	- XRAY WARNING LAMP CONTROLLER			XRLC	40	- 3kva UPS CABINET	81	546	UPS3
19	- RDS1 PUSHBUTTON			RDS1	41	- AUTO TRANSFORMER	99	239	AT
20	- RDS2 PUSHBUTTON			RDS2					
21	- PDB MAIN DISCONNECT	899	2215	PDB					
22	- LOTO DISCONNECT BREAKER			PDB1					



POWER SPECIFICATIONS

INNOVA BIPLANE SYSTEMS

REV. DATE: 10/22/07

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	289	32
380	342-418	274	31
400	360-440	260	29
420	378-462	248	28
440	396-484	236	26
460	414-506	226	25
480	432-528	217	24

ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE

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 0 TIMES PER HOUR.

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

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	INNOVA JEDI
kva * POWER FACTOR AT	180 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 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.

DIAGRAM KEY

- - - CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
- GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.

REV DATE: 15.MAR.12

GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, MN

SHEET TITLE: ELECTRICAL SPECIFICATIONS
MODALITY TYPE: INNOVA IGS 630
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 DETAILS AND SPECIFICATIONS. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED. GE HEALTHCARE SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

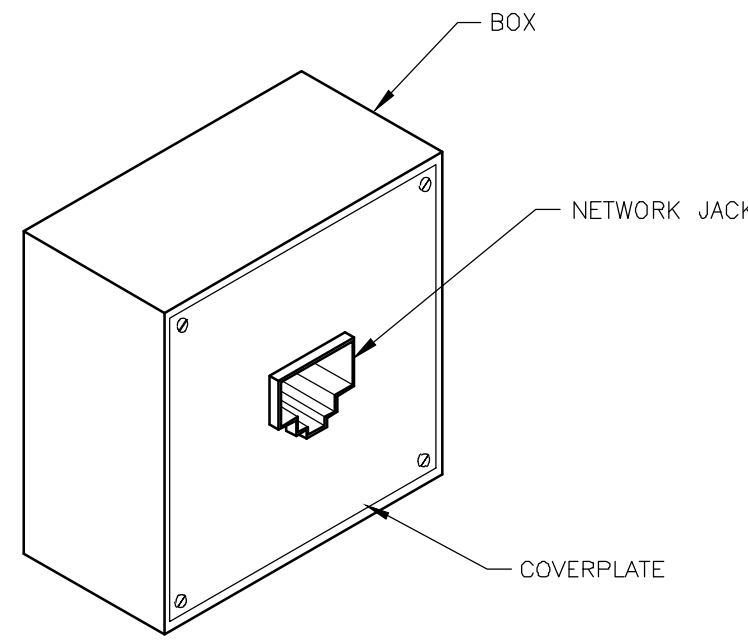
PROJECT	REVISION
123581	00
DATE:	14.Dec.12
DRAWN BY:	TST
CHECKED BY:	TST
QT. NO:	P2C167466V1
QT. DT:	07.Dec.12

REVISION HISTORY:

SHEET
E2

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

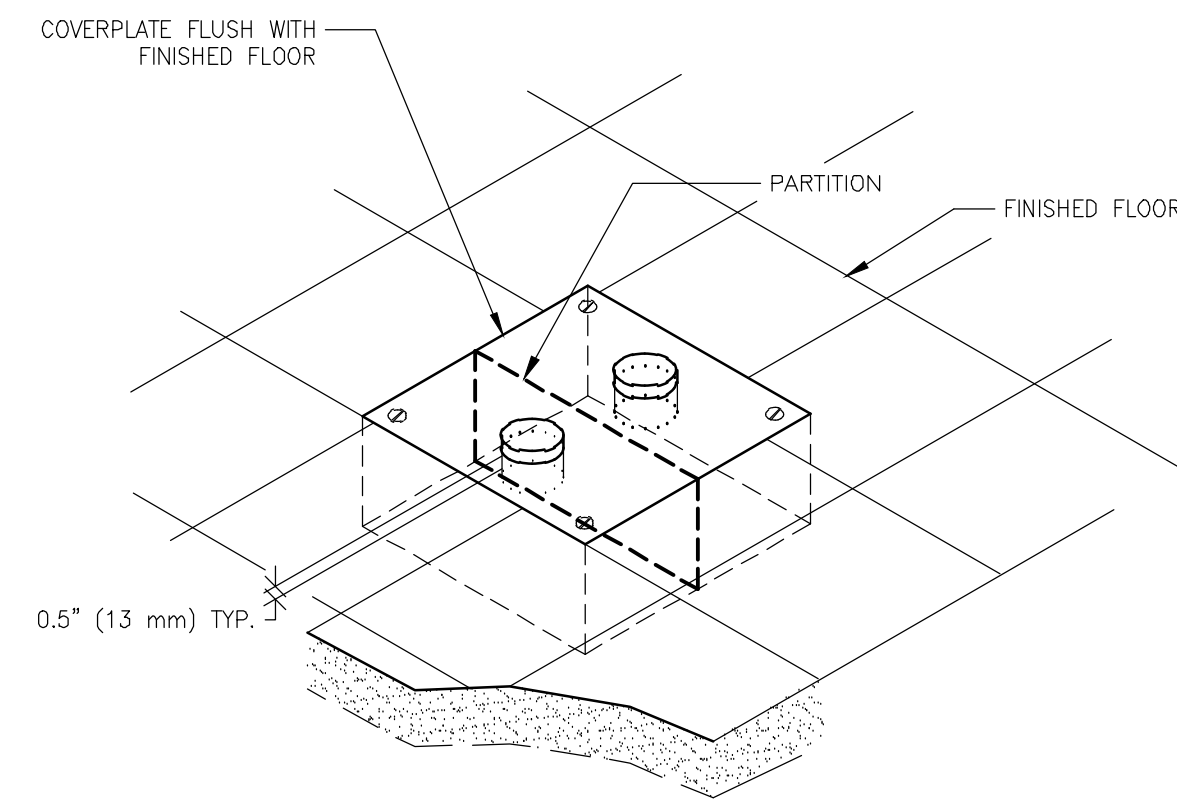
ELEC-83
REV. DATE: 10/06/98



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
FLOOR BOX WITH NIPPLES (TYPICAL)

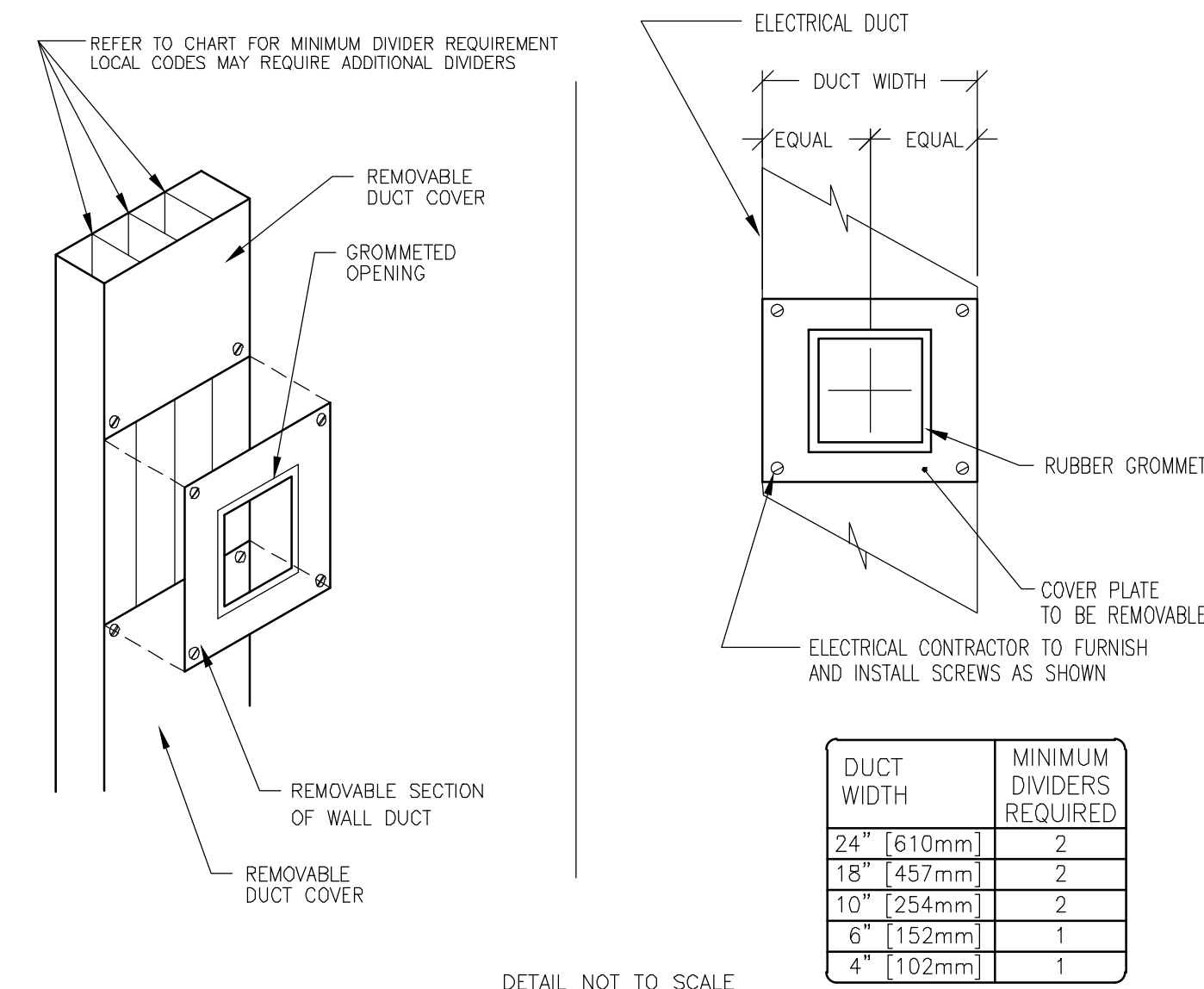
ELEC-13
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
VERTICAL WALL DUCT (TYPICAL)

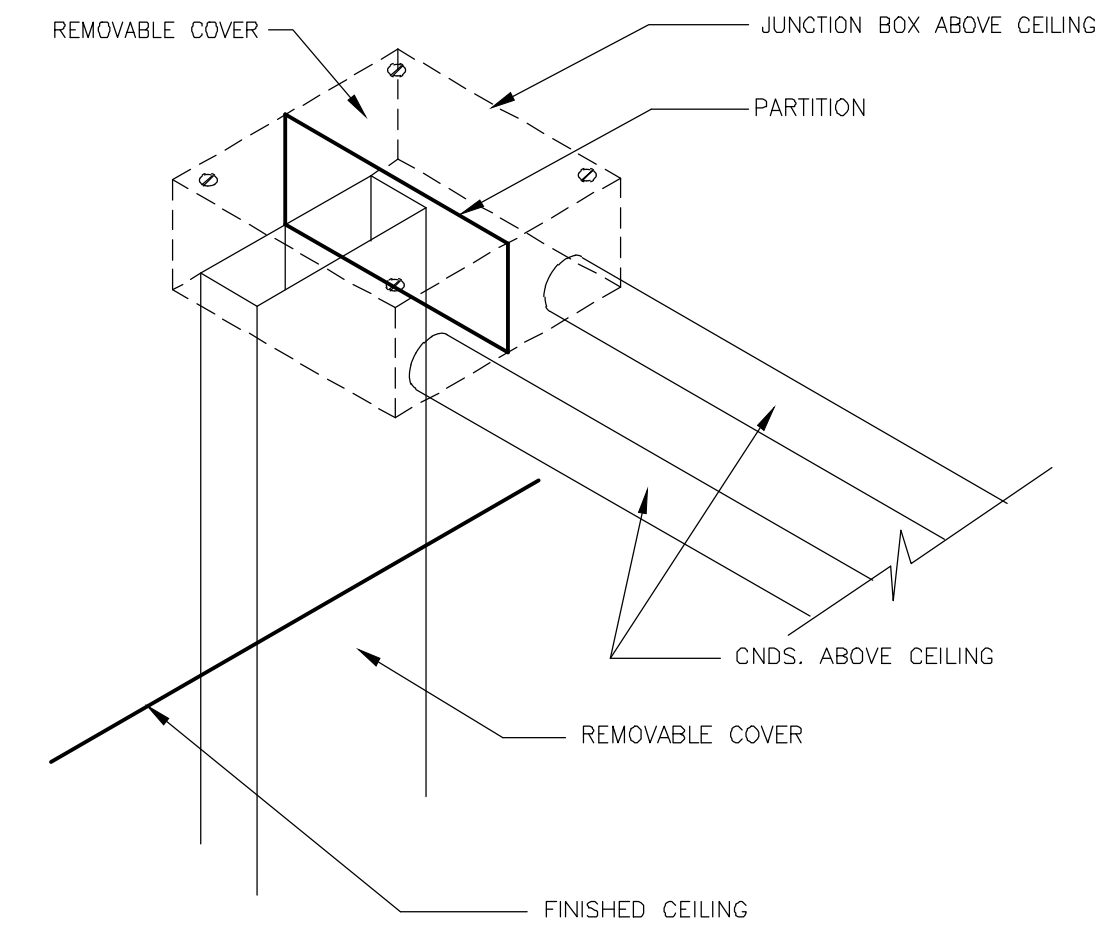
ELEC-6
REV. DATE: 03/19/04



DETAIL NOT TO SCALE

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

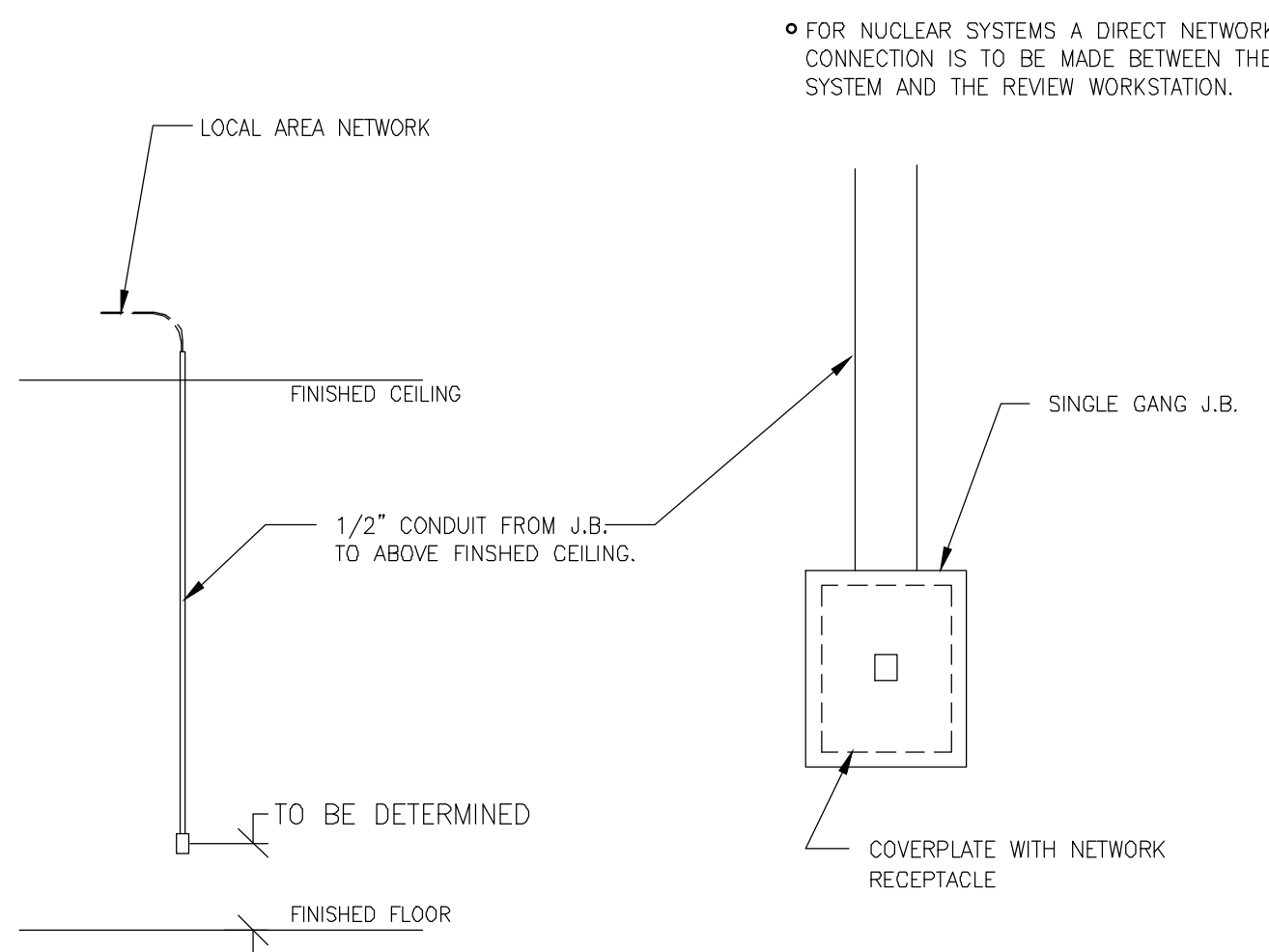
ELEC-2
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
NETWORK CONNECTION (TYPICAL)

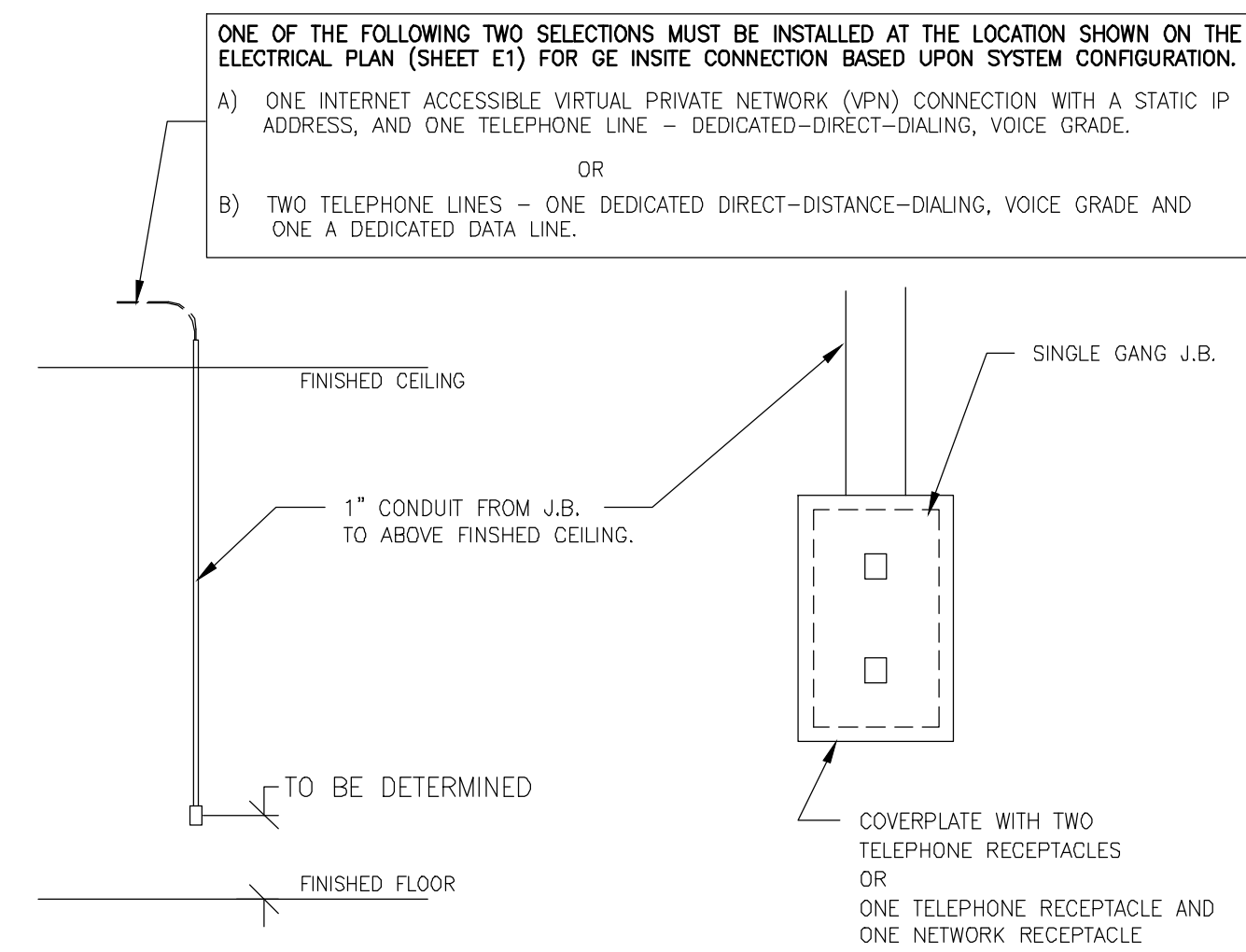
ELEC-84
REV. DATE: 03/06/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INSITE CONNECTION (TYPICAL)

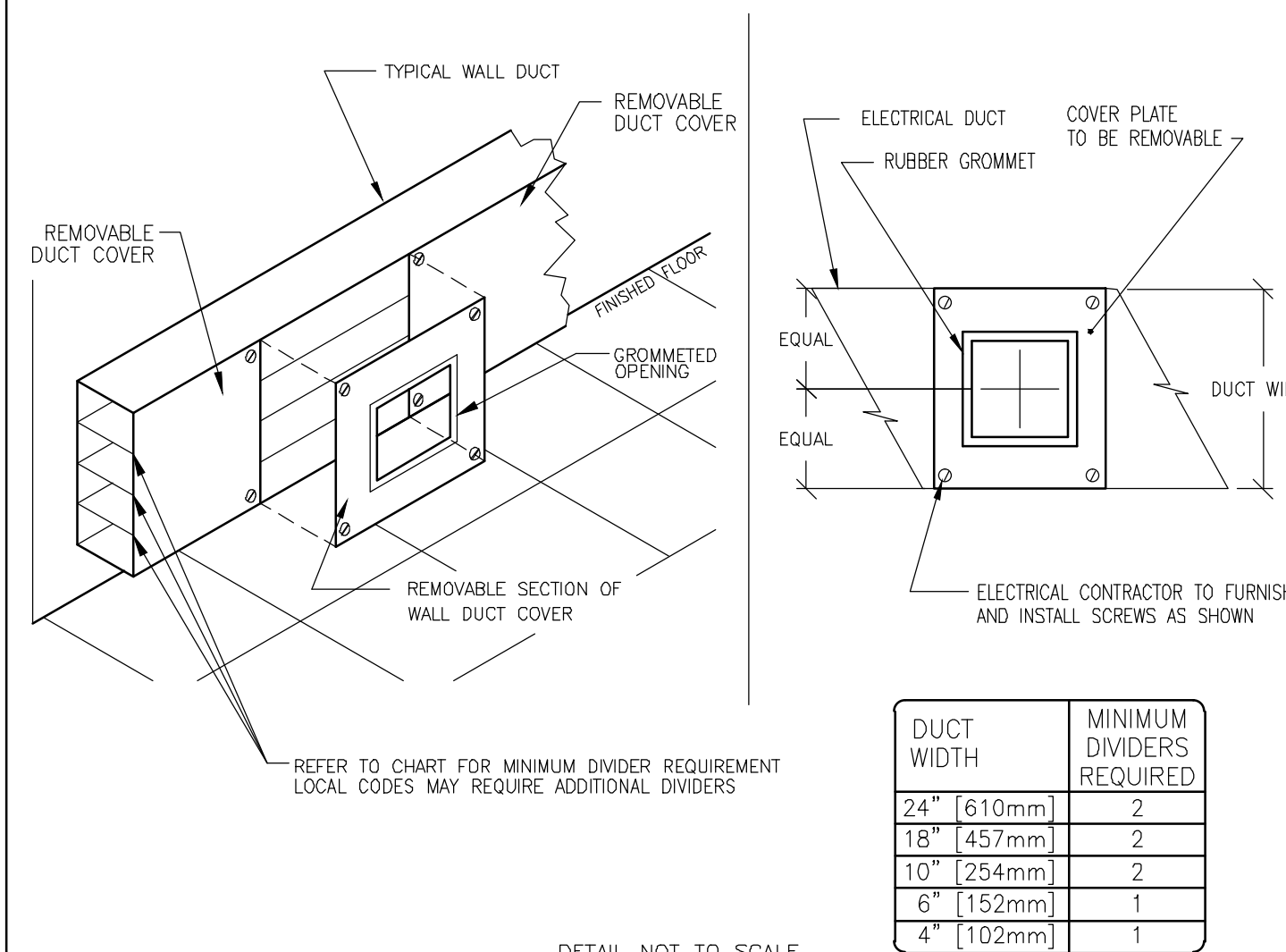
ELEC-1
REV. DATE: 04/24/02



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

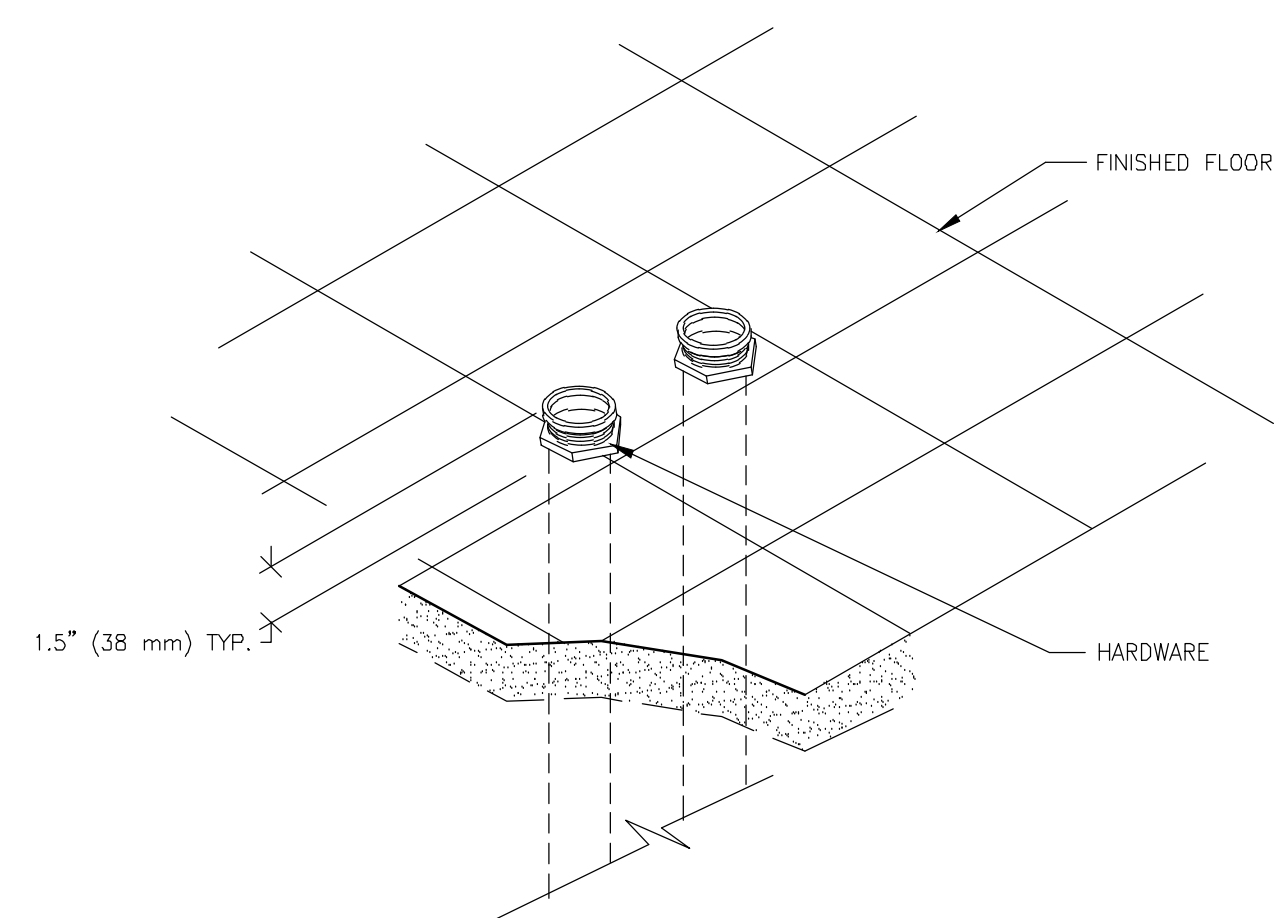
ELEC-5
REV. DATE: 03/19/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
CONDUITS THRU-FLOOR (TYPICAL)

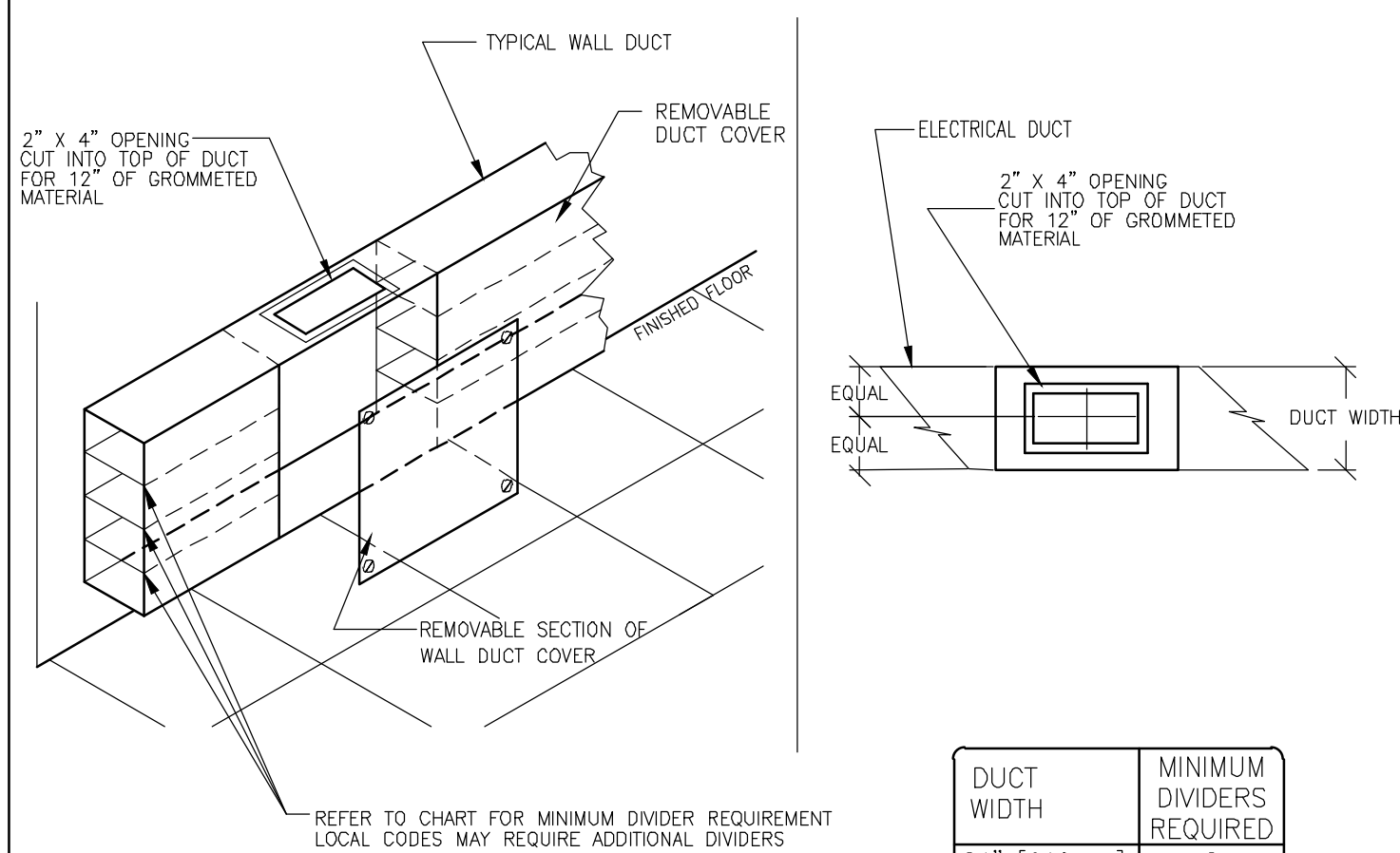
ELEC-9
REV. DATE: 08/08/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
HORIZONTAL WALL DUCT (TYPICAL)

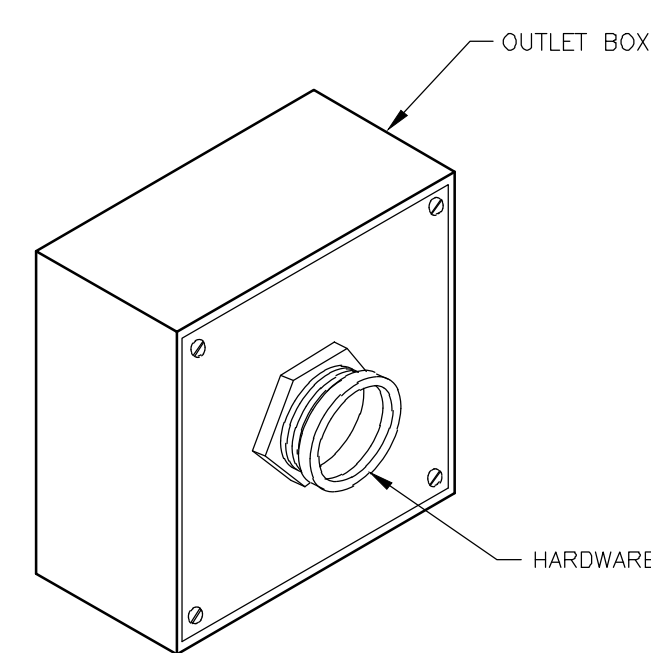
ELEC-5A
REV. DATE: 06/16/08



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL)

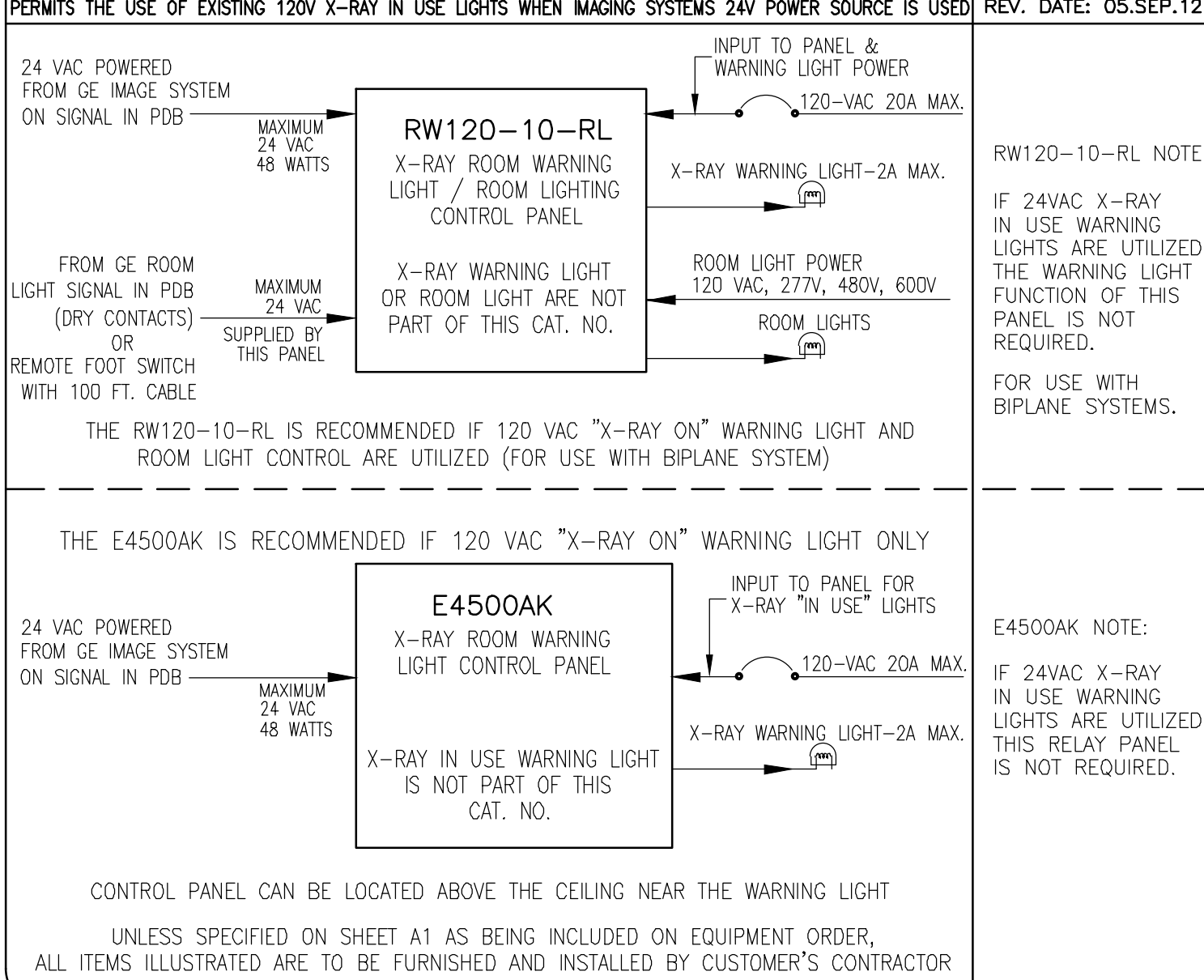
ELEC-8
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

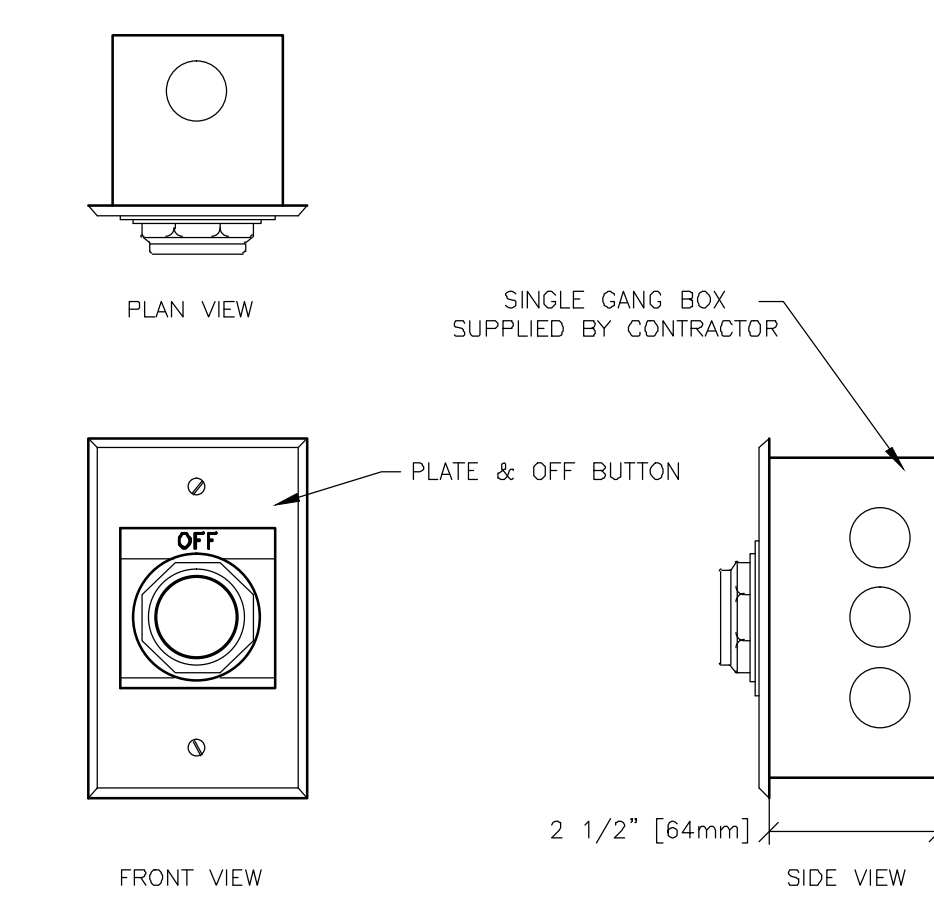
ELECTRICAL DETAIL
X-RAY WARNING LIGHT & ROOM LIGHT CONTROL PANEL

ELEC-146
REV. DATE: 05.SEP.12



ELECTRICAL DETAIL
EMERGENCY OFF BUTTON

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



DETAIL NOT TO SCALE

GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, MN

SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: INNOVA IGS 630
THIS PLAN IS SUBMITTED TO SUBMIT LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ALL APPLICABLE CODES AND REGULATIONS. THE COMPANY SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION ERRORS OR OMISSIONS. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00

DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

REVISION HISTORY:

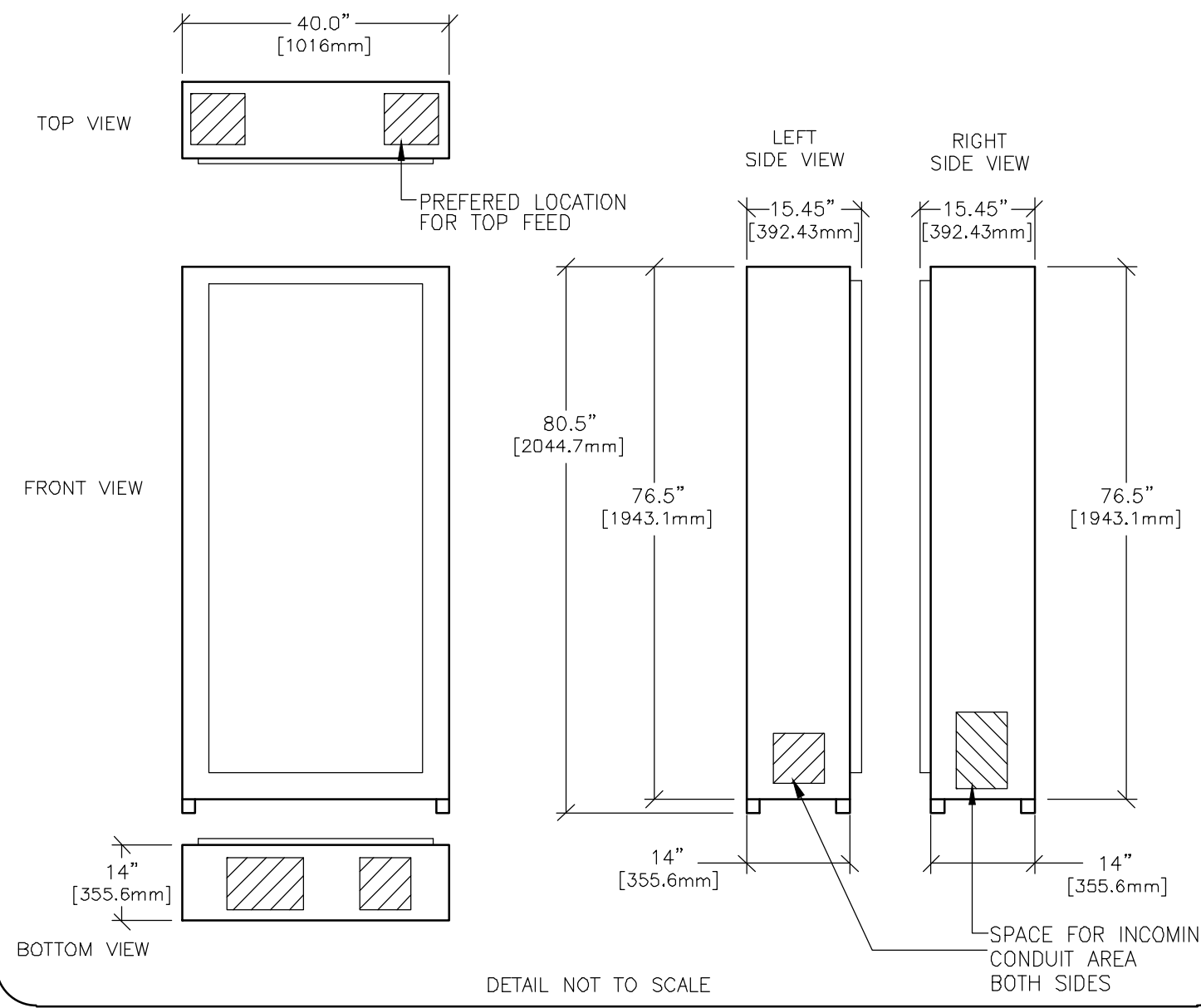
NO.	DATE	DESCRIPTION

SHEET
E3

This drawing is based on Sketch No.: 12JWE57ext

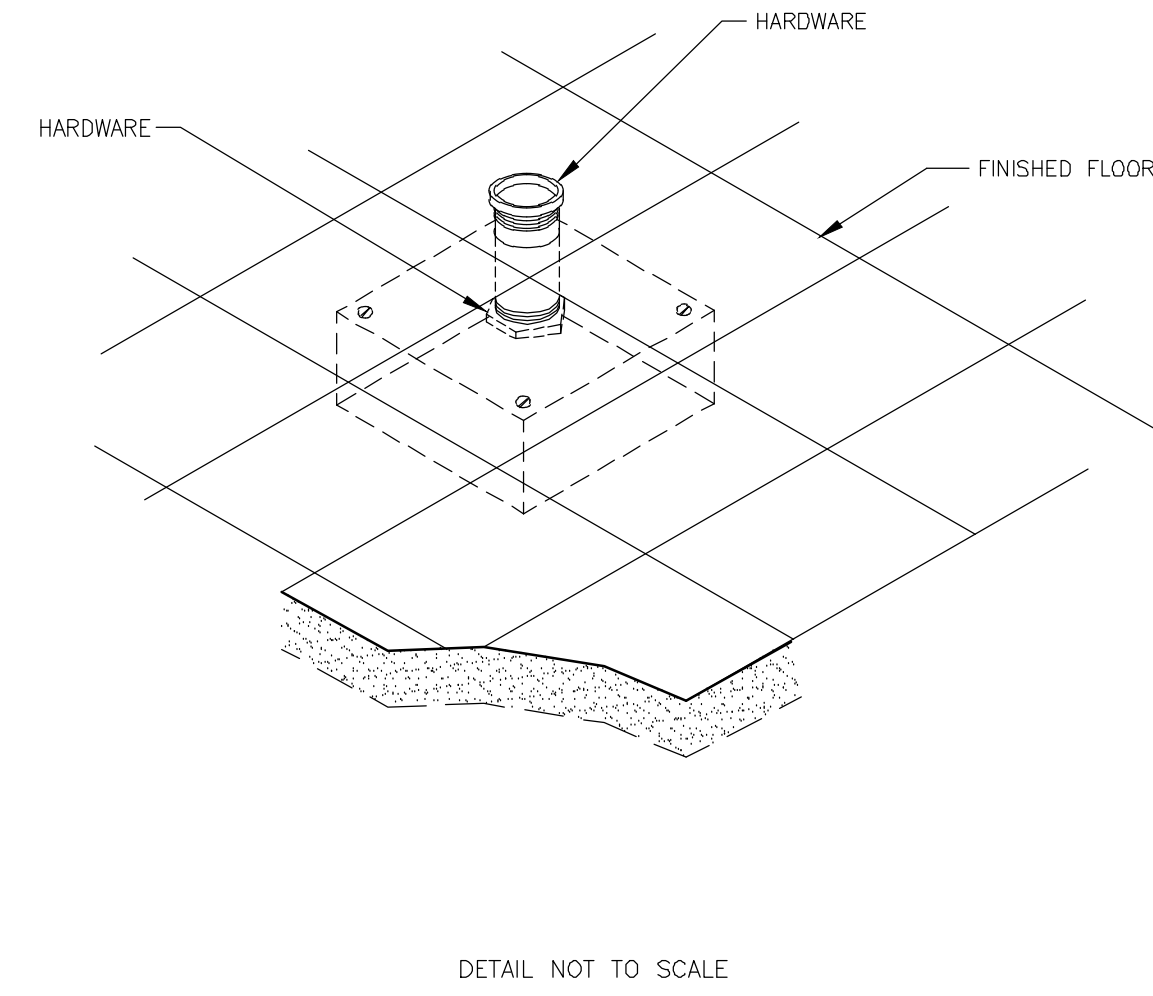
ELECTRICAL DETAIL
INNOVA BI-PLANE MAIN DISCONNECT PANEL

ELEC-143
REV. DATE: 08/30/07



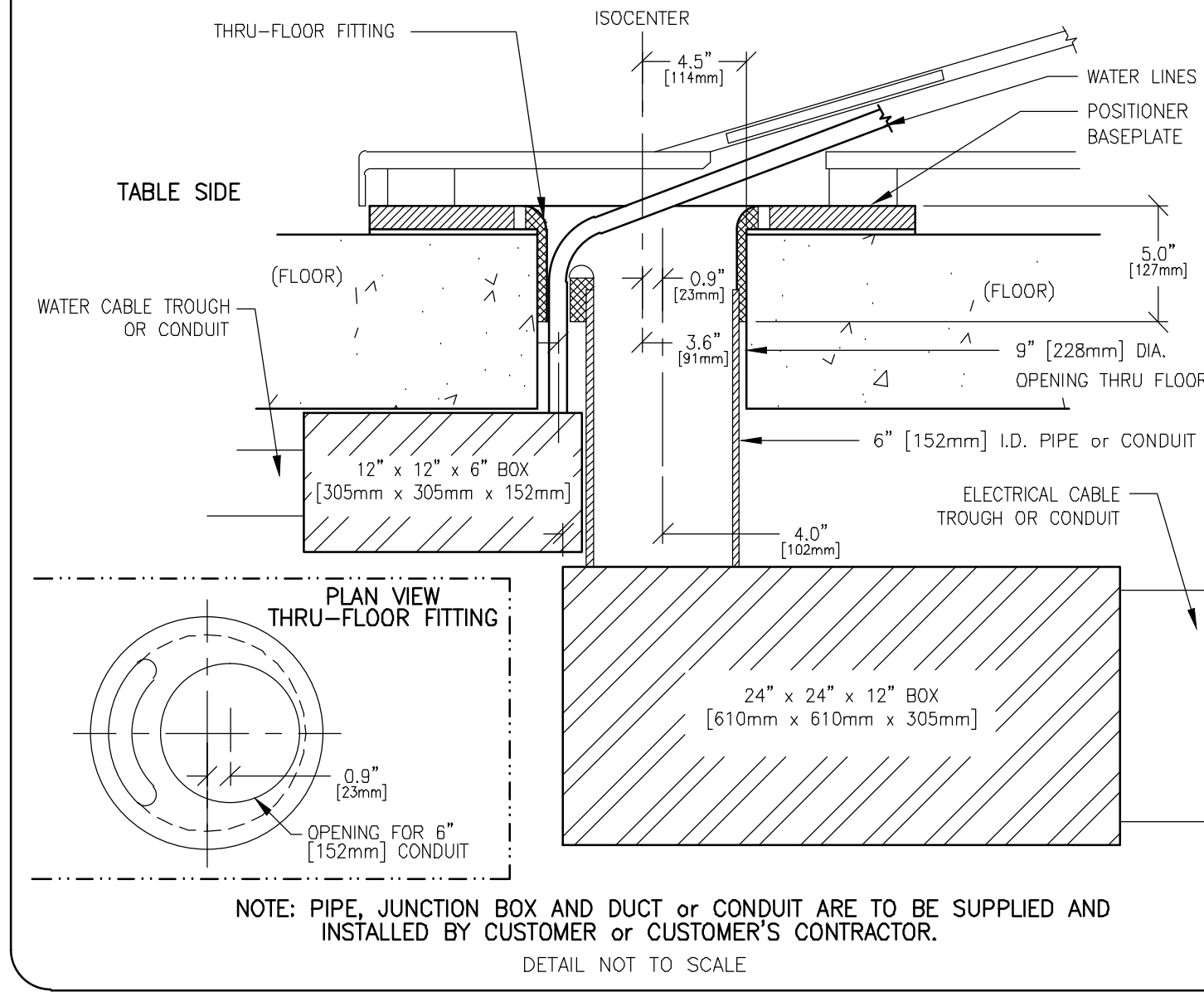
ELECTRICAL DETAIL
TABLE INTERCONNECTION - BOX BELOW FLOOR

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



ELECTRICAL DETAIL
POSITIONER INTERCONNECT DETAIL, UNDER FLOOR

ELEC-100
REV. DATE: 03/30/04



This drawing is based on Sketch No.: 12JWE57ext

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

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QT. DT:	07.Dec.12

REVISION HISTORY:

SHEET
E4

SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: INNOVA IGS 630

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 ACTUAL SITUATION. IT IS ADVISED THAT THE COMPANY CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

GE Healthcare
Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

EQUIPMENT DETAIL
TRAM-RAC 4A

B5047
REV. DATE: 05/26/04

TABLE RAIL MOUNT
FLOOR MOUNT

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
CLAB 2 PLUS AMPLIFIER

B5051
REV. DATE: 04/09/03

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
COOLIX 4100 CHILLER AUTOTRANSFORMER

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

AREA WITH NO AIR FLOW

FRONT VIEW
SIDE VIEW
PLAN VIEW

SIDE SPACE - ELEVATION VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
COOLIX 4100 CHILLER - FLOOR SPACE

B-IGS03
REV. DATE: 12.MAR.12

FLOOR SPACE - PLAN VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
COOLIX 4100 CHILLER AND AUTOTRANSFORMER

B-IGS04
REV. DATE: 12.MAR.12

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
IVUS VOLCANO S5i WORKSTATION

BS5i
REV. DATE: 04/04/08

IVUS SAFETY ISOLATION TRANSFORMER
IVUS PATIENT INTERFACE MODULE
IVUS CPU
IVUS CONTROL CONSOLE
IVUS JOYSTICK
IVUS VIDEO SWITCH
IVUS CONTROL ROOM MONITOR
IVUS PRINTER

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INJECTOR REMOTE CONTROL AND ELECTRONICS

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

REMOTE CONTROL
ELECTRONICS

DRAWING NOT TO SCALE

EQUIPMENT DETAIL
INJECTOR ON TABLE RAIL

B50-30A
REV. DATE: 02.AUG.12

PLAN VIEW
SIDE VIEW

DRAWING NOT TO SCALE

EQUIPMENT DETAIL
MAVIG MACH 3 EXTERNAL TRANSFORMER-TRACK MOUNT

CMACH3
REV. DATE: 06/24/09

FRONT VIEW
SIDE VIEW
PLAN VIEW

TO M3 LAMP → spooler → trans-former → 120-V CUSTOMER POWER COMES INTO TRANSFORMER THRU KNOCKOUT

TRANSFORMER SPECIFICATIONS:
- CONTRACTOR/CUSTOMER INSTALLED
- SIZE = 11" L x 7 3/4" W x 6 3/8" H
- WEIGHT = 71 LBS
- MOUNTING - ABOVE CEILING NEAR SPOOLER OR ON SHELF IN EQUIPMENT RM.
- ELECTRICAL REQUIREMENTS...
120-V to TRANS. = 1-BLACK,1-WHITE,1-GREEN (SIZE AS REQ'D.)
TRANS. to SPOOLER = 1-BLACK,1-WHITE,1-GREEN (SIZE AS REQ'D.)
SPOOLER to LAMP = WIRES SUPPLIED WITH SPOOLER

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
MAVIG EYE & THYROID SHIELD WITH LAMP

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

CEILING
CARRIAGE TRACK
65" MAX. ARC [1651mm]
65" MAX. ARC [1651mm]
LEAD GLASS SHIELD

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
VITALINQ COMMUNICATION AND MUSIC SYSTEM

B0566
REV. DATE: 06/14/05

PROCEDURE ROOM
CONTROL ROOM

SEE MANUFACTURER'S PREINSTALL MANUAL FOR PRODUCT PLACEMENT AND INSTALLATION.

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

DETAIL NOT TO SCALE

GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, MN

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: INNOVA IGS 630

THIS PLAN IS SUBMITTED TO SURVEY THE LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS AND ASSOCIATED APPARATUS. EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE DETAILS IN THIS PLAN. THIS PLAN IS INTENDED TO BE USED FOR PRELIMINARY DESIGN AND CONSTRUCTION PURPOSES. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00
DATE:	14.Dec.12
DRAWN BY:	TST
CHECKED BY:	TST
QT. NO:	P2C167466V1
QT. DT:	07.Dec.12

REVISION HISTORY:

SHEET
D1

This drawing is based on Sketch No.: 12JWE57ext
PIM R2
RQ - 132019

EQUIPMENT DETAIL
MICRO PACE WORKSTATION/ GENERATOR (StimLab)

B8139
REV. DATE: 04.AUG.11

15" FLAT PANEL DISPLAY
ELO Entuitive ET1529L

StimLab
BEDSIDE CONTROLLER

ROLLSTAND

STIMULUS GENERATOR UNIT

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
XT RADIOGRAPHIC SUSPENSION, INBOARD MOUNTING

B2004
REV. DATE: 18.Apr.11

TOP BOLTS ONLY CAN BE USED ON INBOARD SYSTEM.

.75" [19mm] DIA. HOLES

1.06" [27mm]

2.5" [64mm]

3.3" [84mm]

4" MAX. [102mm]

26" TYPICAL [660mm]

134" TO 228" (* see note) [3404mm] [5791mm]

2" [51mm]

4" MIN. [102mm]

1.19" [30mm]

34.75" (* see note) [883mm]

STATIONARY RAIL

WALL

WALL

2" MIN. [51mm]

2" MIN. [51mm]

4" MAX. [102mm]

134" TO 228" (* see note) [3404mm] [5791mm]

2" [51mm]

2" MIN. [51mm]

* STANDARD DIMENSION, REFER TO GE SITE SPECIFIC PREINSTALLATION DRAWINGS (IF AVAILABLE) FOR ACTUAL DIMENSION.

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LARGE DISPLAY MONITOR SUSPENSION

B2015
REV. DATE: 15.MAR.12

XT STATIONARY RAIL

CABLE DRAPE RAIL

10" [254mm] min.
40" [995mm] max.

HALFEN OR UNISTRUT STRUCTURE

XT INBOARD BRIDGE

35.4" [900mm]

62.2" [1580mm]

LARGE DISPLAY MONITOR:
(USING LARGE DISPLAY MONITOR SUSPENSION)

GE MONITORS, MOUNTED TO BACKSIDE OF LARGE DISPLAY MONITOR

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LARGE DISPLAY CABINET

B2014
REV. DATE: 15.MAR.12

PLAN VIEW

30.6" [778mm]

21.5" [545mm]

48.3" [1226mm]

SIDE VIEW

FRONT VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
LCD MONITOR SUSPENSION, 4, 6 OR 8 MONITORS

B2010A
REV. DATE: 12/16/03

XT STATIONARY RAIL

CABLE DRAPE RAIL

10" [254mm] min.
40" [995mm] max.

HALFEN OR UNISTRUT STRUCTURE

XT INBOARD BRIDGE

66.4" min. [1687mm]
96" max. [2436mm]

LCD MONITOR SUSPENSION

44" [1118mm] 4 monitors
60" [1510mm] 6 monitors
76" [1920mm] 8 monitors

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
COOLIX 4000 RECIRCULATING CHILLER

M0917B
REV. DATE: 05/17/05

SHIPPING DIMENSIONS:
41" (1040mm) D x 34.8" (870mm) W x 53" (1350mm) H

PLAN VIEW

21.9" [556mm]

COOLING PIPE ACCESS

1.7" [44mm]

3.0" [76mm]

39.7" [831mm]

43" [1092mm]

38.2" [969mm]

3.5" [89mm]

SIDE VIEW

FRONT VIEW

REAR VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
INNOVA DETECTOR COOLER

B5150A
REV. DATE: 01/05/07

NOTE:
• INDICATES AIR FLOW

FILLER CAP

HANDLE

STEEL MOUNTING PLATE

12.24" [311mm]

PLAN VIEW

9.5" [243mm]

FOUR .25" [6mm] MOUNTING HOLES

SIDE VIEW

12" [305mm] CLEAR FOR WATER RESERVOIR FILLING

7.9" [200mm]

FRONT VIEW

6" [152mm] CLEAR FOR AIR CIRCULATION (BOTH SIDES)

11.14" [283mm]

13.8" [350mm]

13" [330mm]

HOSE CONNECTORS

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
XR-BUZZER BRACKET

B5150H
REV. 00: 10/30/08

PLAN VIEW

.62" [15.5mm]

3" [76mm]

.56" [14mm]

.19" [4.8mm]

5 Ø.5

3.12" [80mm]

.25" [6.4mm]

6.89" [175mm]

7.25" [184mm]

.50" [12.7mm]

.75" [20mm]

1" [25mm]

5.50" [140mm]

.56" [14mm]

.12" [3mm]

.12" [3mm]

1.00" [25.4mm]

1.12" [28.5mm]

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 BI-PLANE MAIN DISCONNECT PANEL

E45-02BB
REV. DATE: 08/06/07

TOP VIEW

40.0" [1016mm]

PREFERRED LOCATION FOR TOP FEED

LEFT SIDE VIEW

15.45" [392.43mm]

80.5" [2044.7mm]

76.5" [1943.1mm]

FRONT VIEW

76.5" [1943.1mm]

14" [355.6mm]

14" [355.6mm]

14" [355.6mm]

RIGHT SIDE VIEW

15.45" [392.43mm]

76.5" [1943.1mm]

14" [355.6mm]

14" [355.6mm]

SPACE FOR INCOMING CONDUIT AREA BOTH SIDES

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
OMEGA V TABLE

B5061
REV. DATE: 09.MAR.12

SHIPPING DIMENSIONS: TABLE BASE
84.2" (2140mm) D x 38" (960mm) W x 49" (1240mm) H
SHIPPING DIMENSIONS: TABLE TOP
33" (840mm) D x 137" (3470mm) W x 9" (220mm) H

FRONT VIEW

122.4" [3108mm]

75.9" [1928mm]

42.5" [1080mm]

30.7" [780mm]

12" MAX [305mm]

15" [381mm]

21" MAX [533mm]

25.4" [644mm]

SIDE VIEW

RECOMMENDED AREA FOR ELECTRICAL OUTLETS, PHYSIO. OR MED. GASES 21" [533mm] HEIGHT RESTRICTION IN THIS AREA

ALTERNATE AREA FOR ELECTRICAL OUTLETS, PHYSIO. OR MED. GASES 12" [305mm] HEIGHT RESTRICTION IN THIS AREA

FRONT VIEW (FOOT END)

TABLE ROTATION

TABLE PIVOT

TABLE PIVOT

6" MAX [152mm]

233mm

9" [229mm]

26.28" [667mm]

28.6" [727mm]

39.45" [1007mm]

131.2" [3335mm]

AS REQ'D.

RECOMMENDED AREA FOR ELECTRICAL OUTLETS, PHYSIO. OR MED. GASES 21" [533mm] HEIGHT RESTRICTION IN THIS AREA

ALTERNATE AREA FOR ELECTRICAL OUTLETS, PHYSIO. OR MED. GASES 12" [305mm] HEIGHT RESTRICTION IN THIS AREA

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
RCIM WITH DL KEYBOARD CONSOLE

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

PC TOWER XW6400

6.5" [165mm]

17.35" [440.7mm]

17.32" [440mm]

FRONT VIEW

16.5" [419mm]

18" [457mm]

3.7" [94mm]

SIDE VIEW

PLAN VIEW

8.3" [210mm]

PC TOWER XW8200

17.9" [455mm]

20.7" [525mm]

KEYBOARD

18.1" [460mm]

6.5" [165mm]

DETAIL NOT TO SCALE

TYPICAL CONTROL ROOM
INNOVA BIPLANE

B5050D
REV. DATE: 08/26/08

AP LIVE MONITOR

LAT LIVE MONITOR

AP REF MONITOR

LAT REF MONITOR

ADVANTAGE WINDOWS WORKSTATION

INNOVA CONSOLE

DL CONTROL MONITOR

IVUS VOLCANO WORKSTATION

PHYSIO MONITORING WORKSTATION

DETAIL NOT TO SCALE

GE Healthcare

Healthcare Project Implementation - Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: INNOVA IGS 630

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 DETAILS AND DIMENSIONS SHOWN. HOWEVER, THE USER SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN
WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

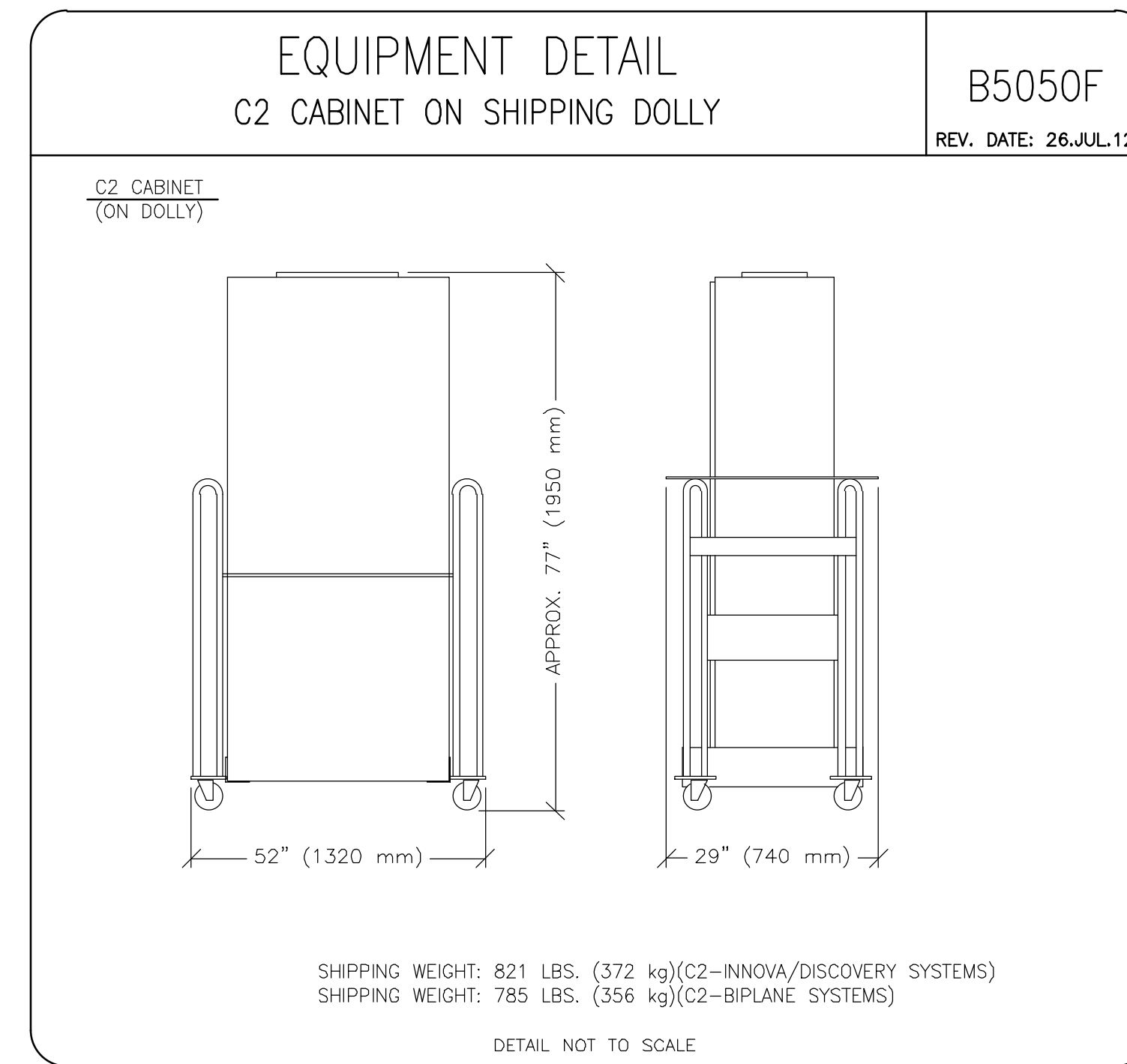
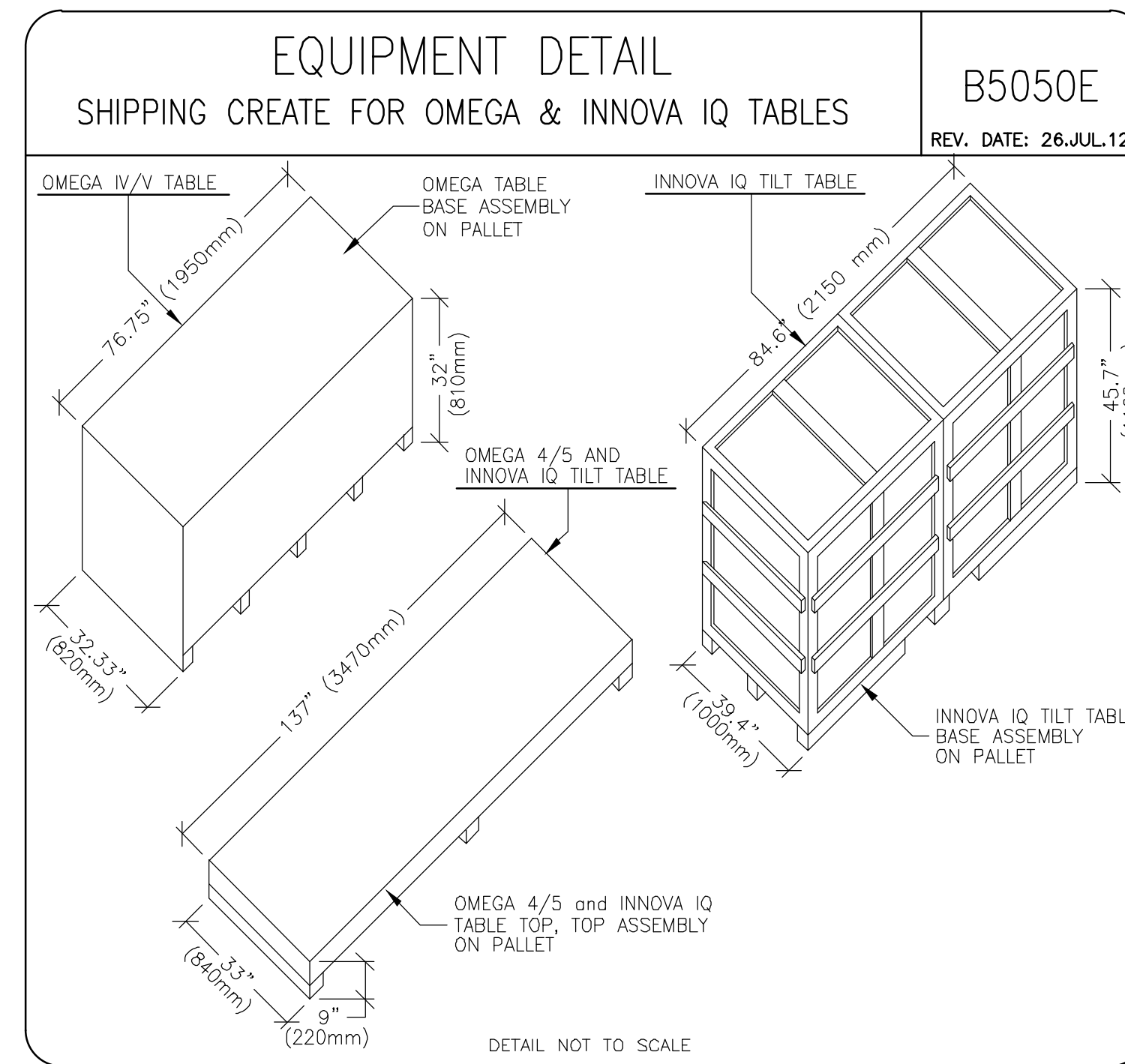
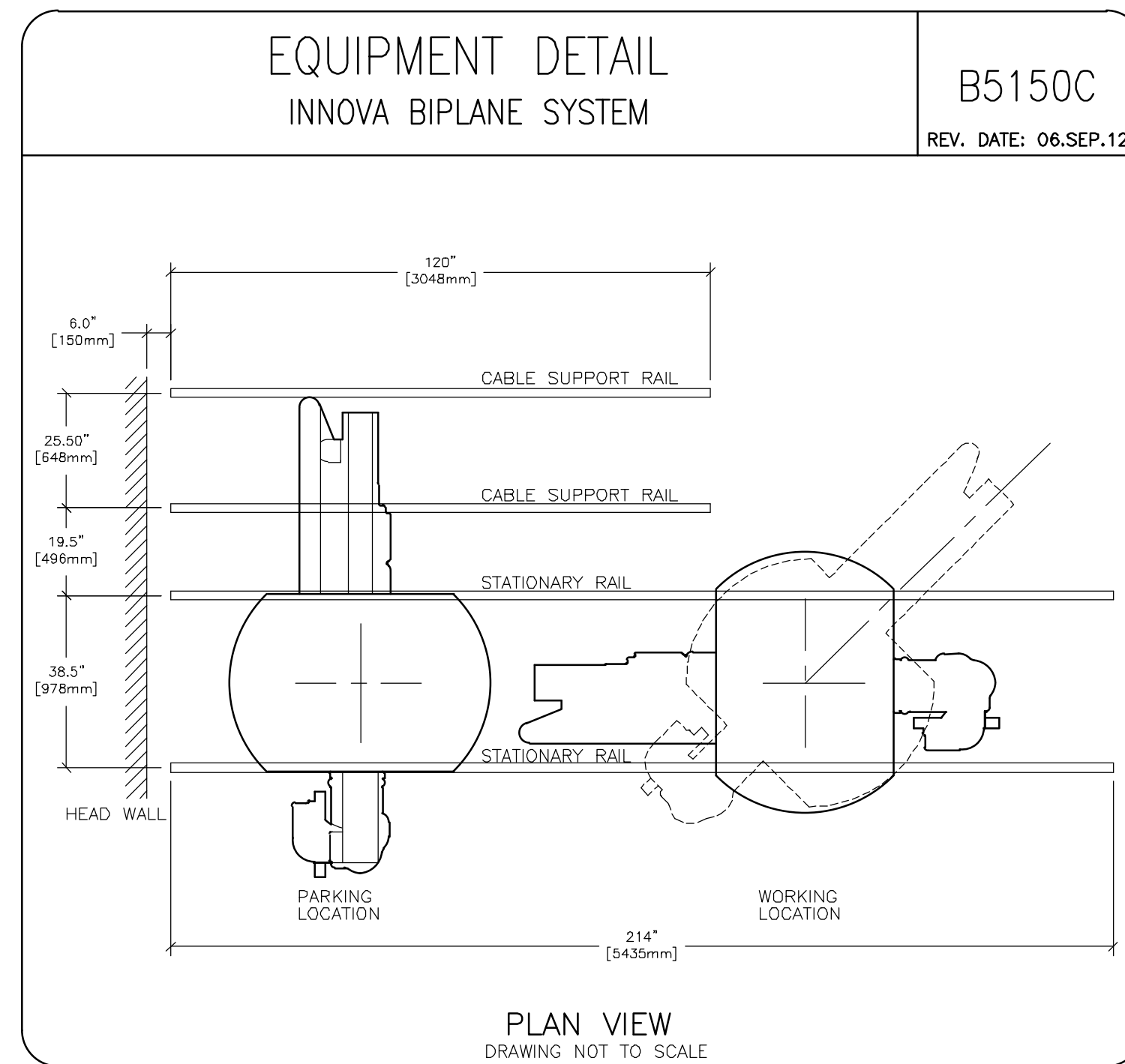
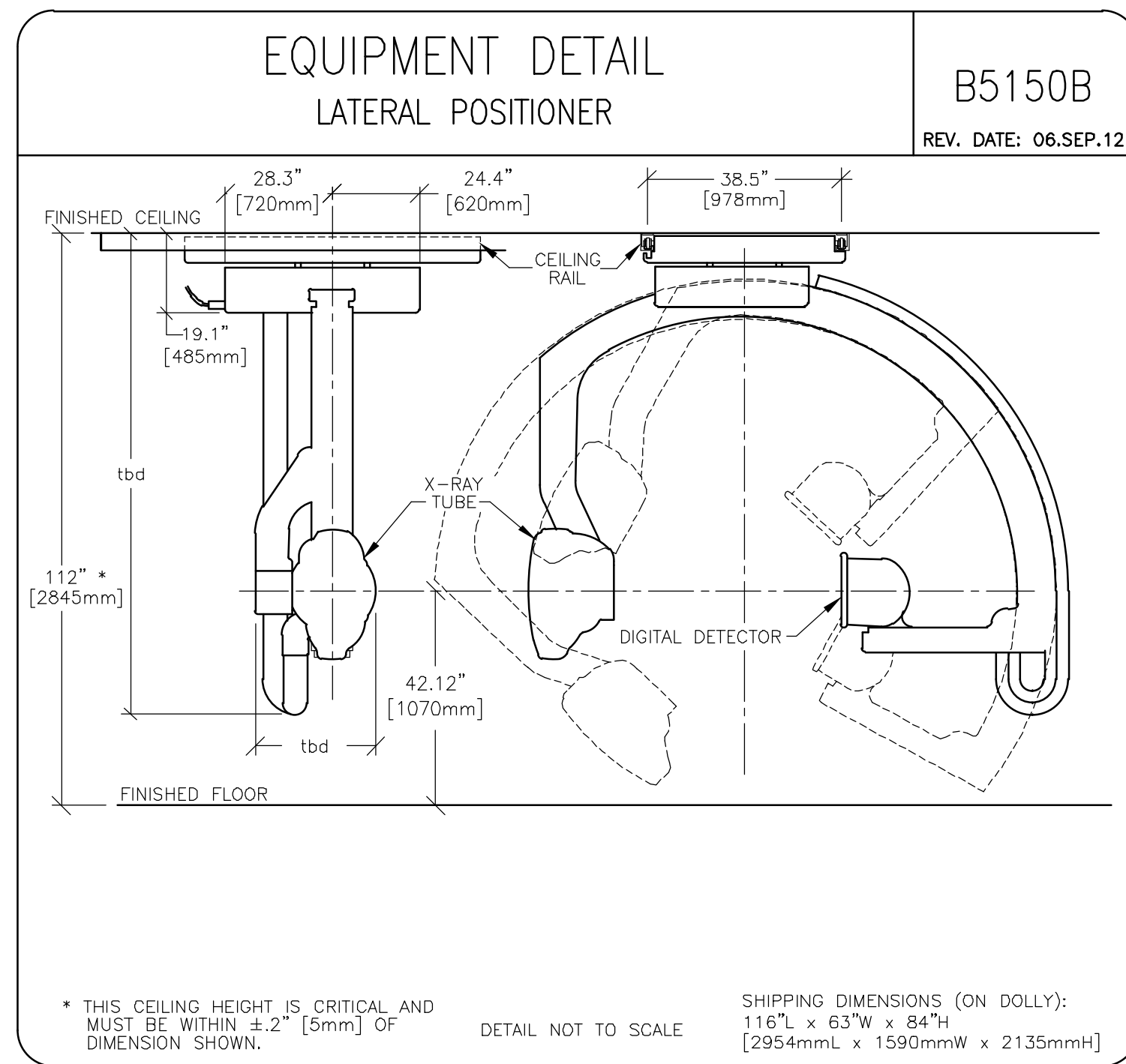
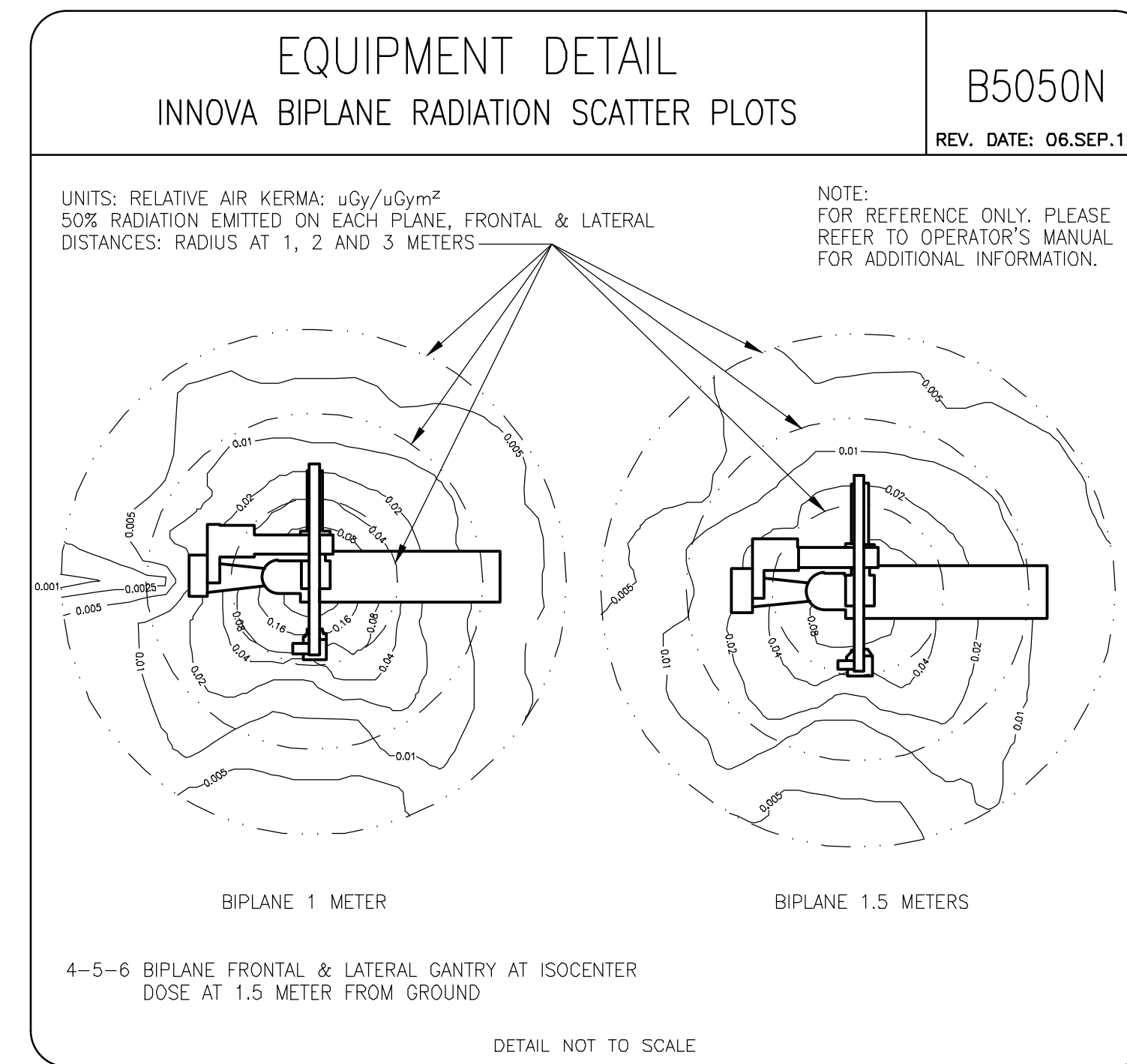
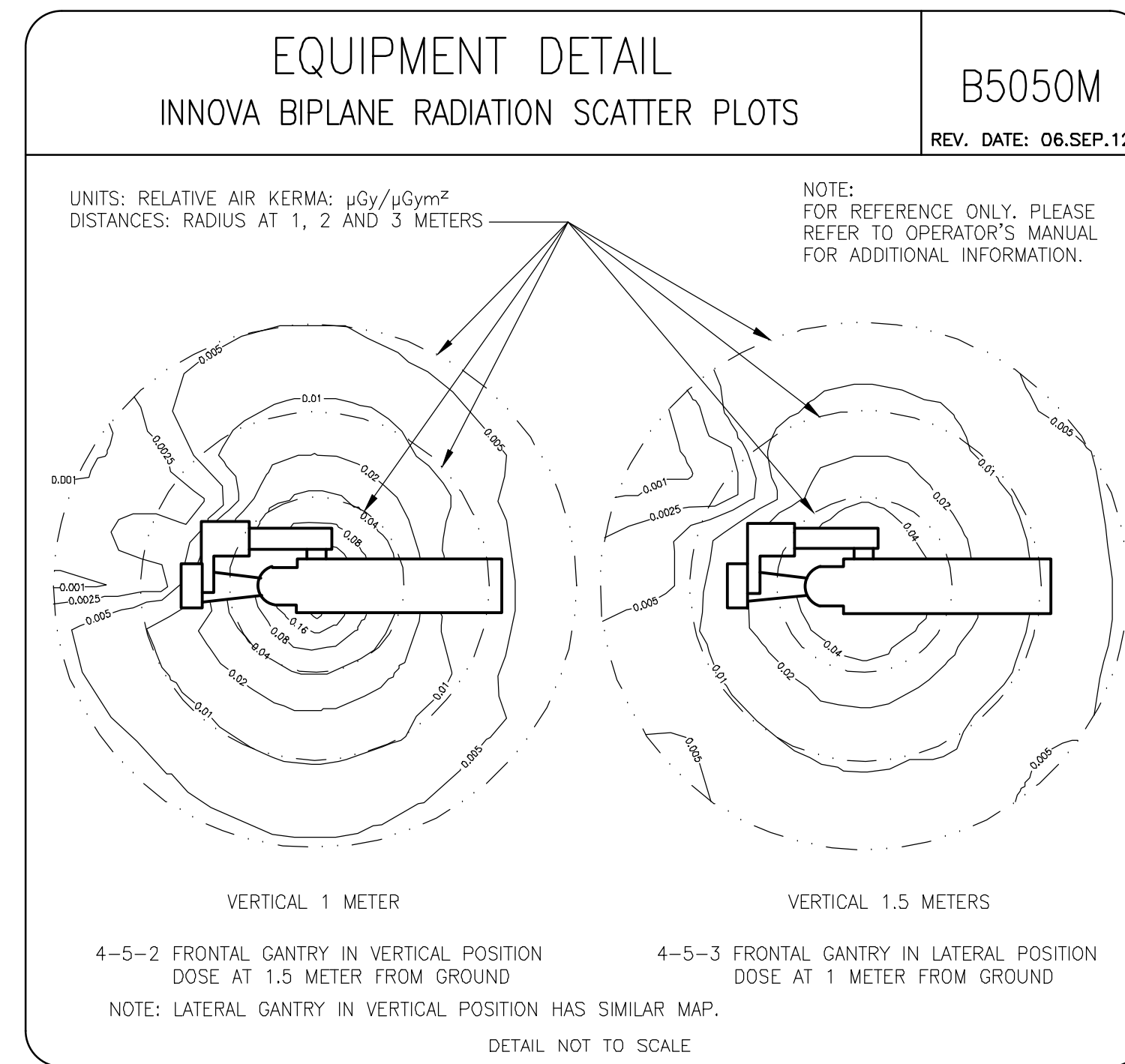
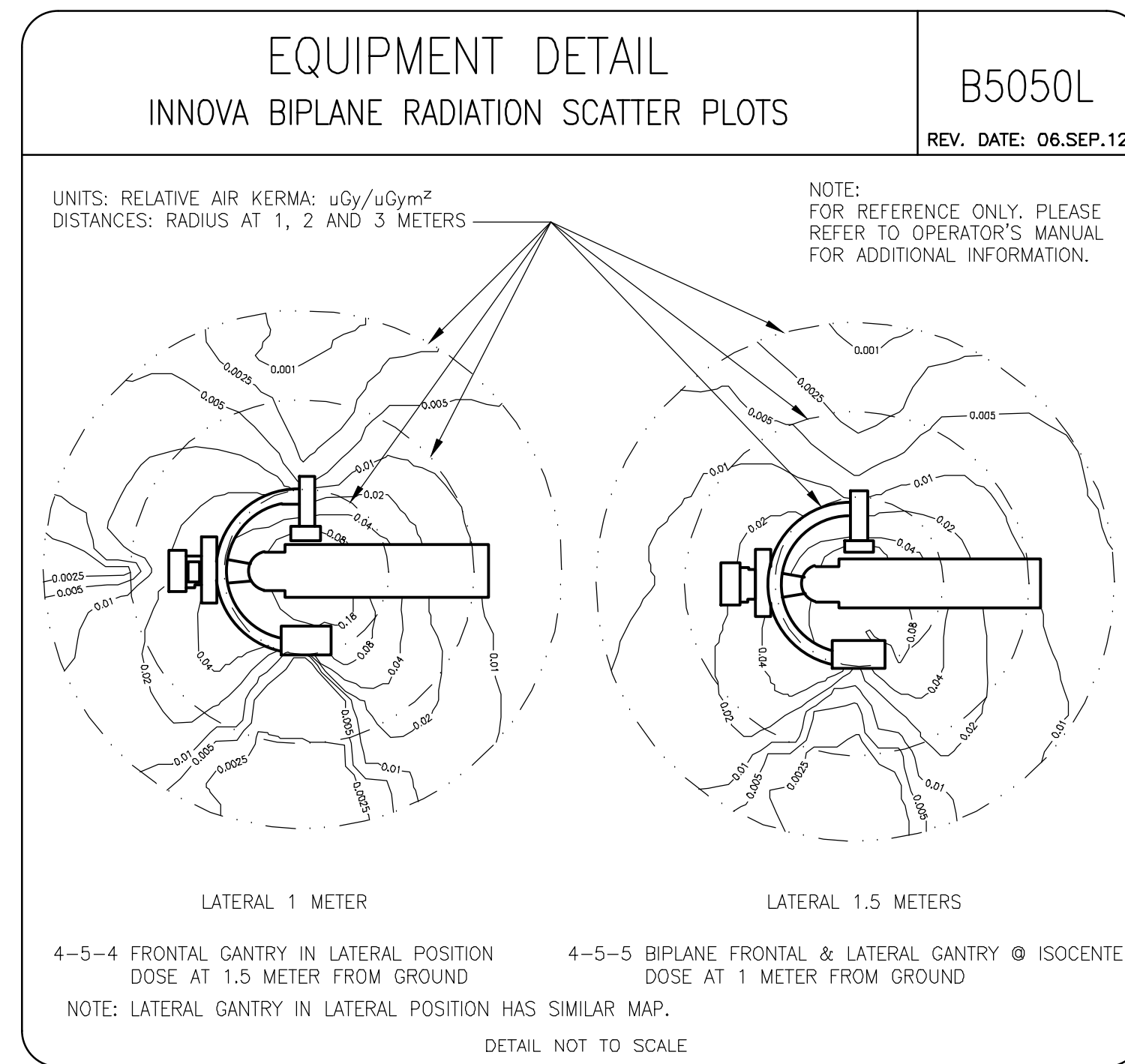
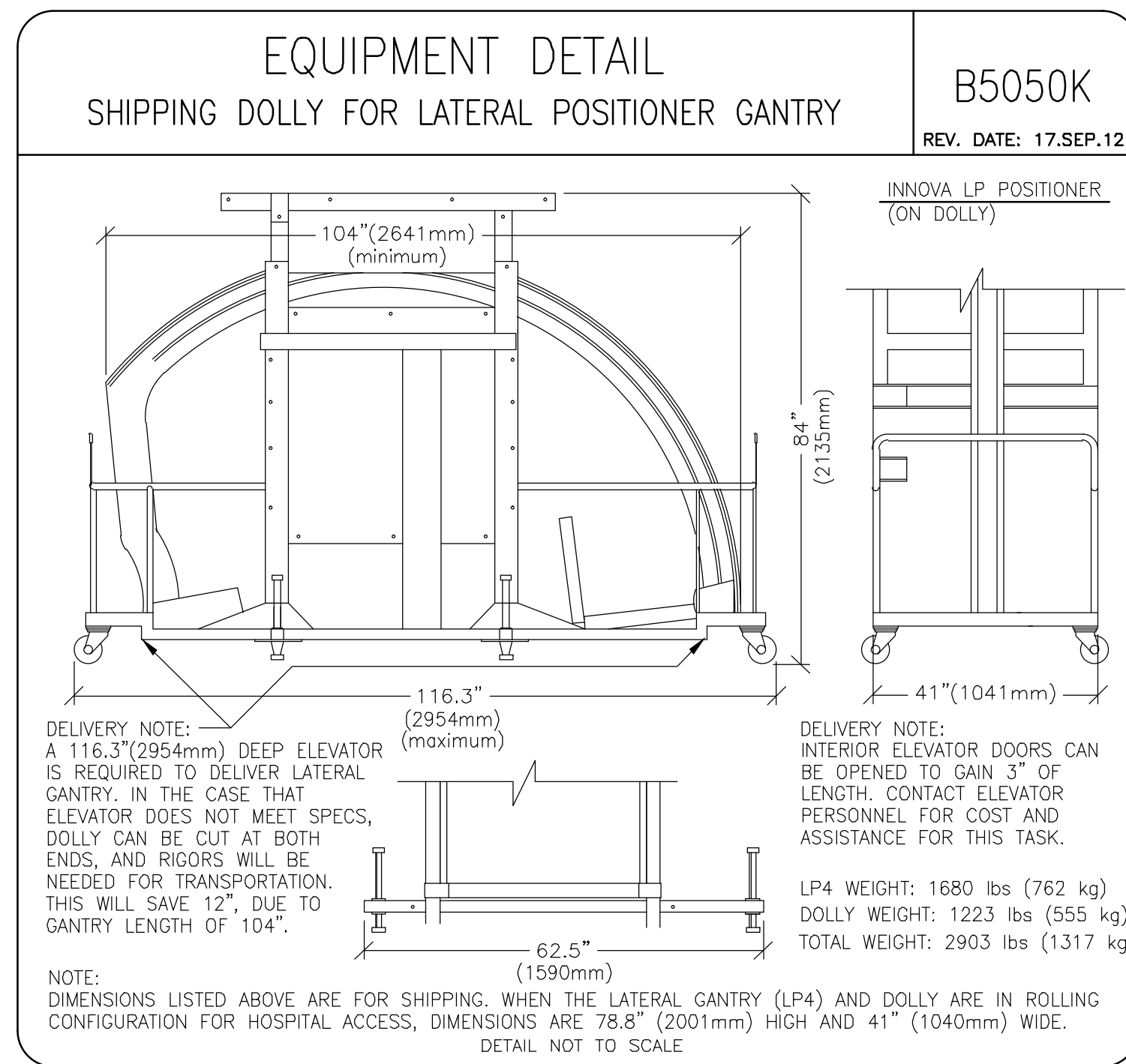
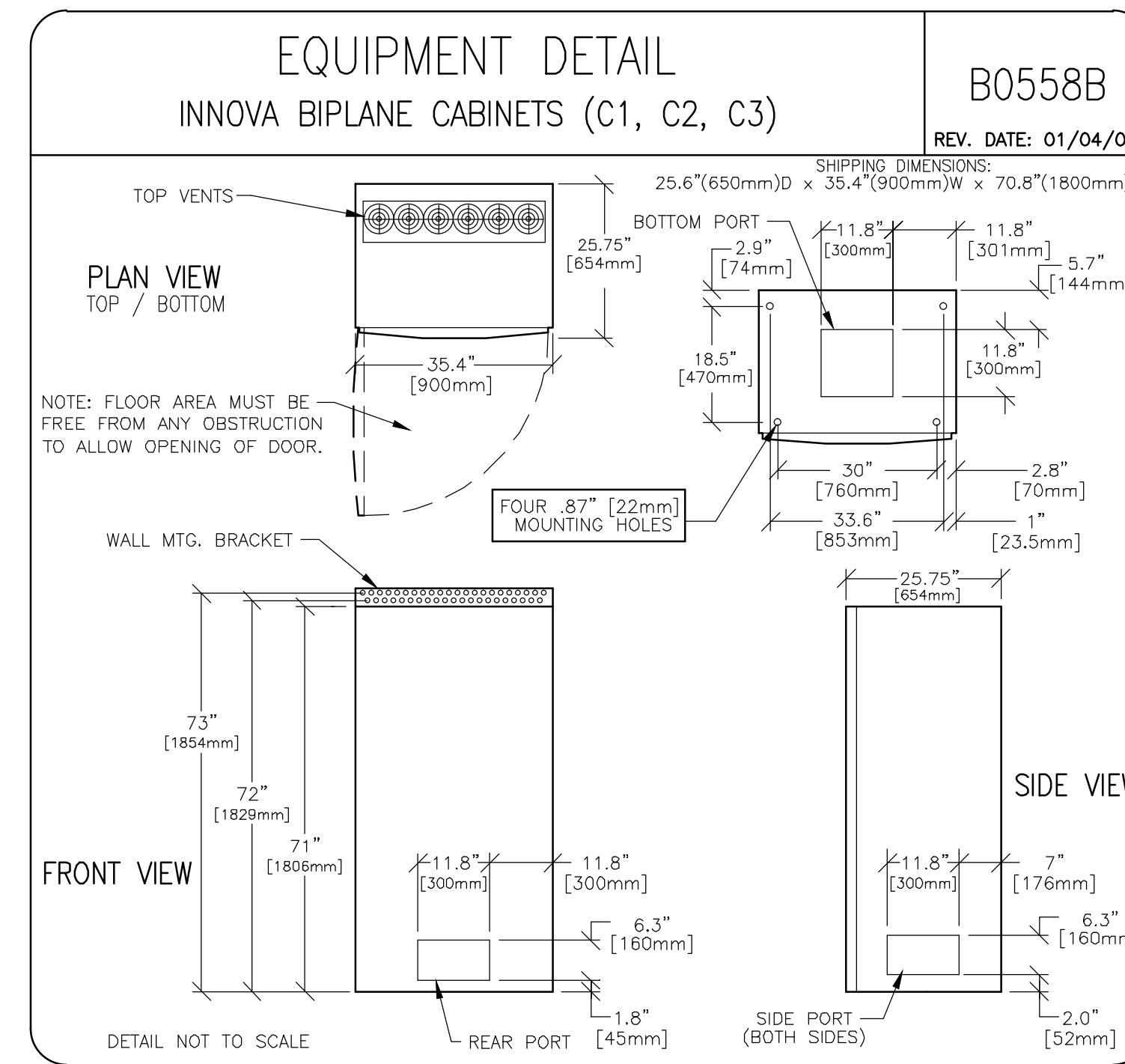
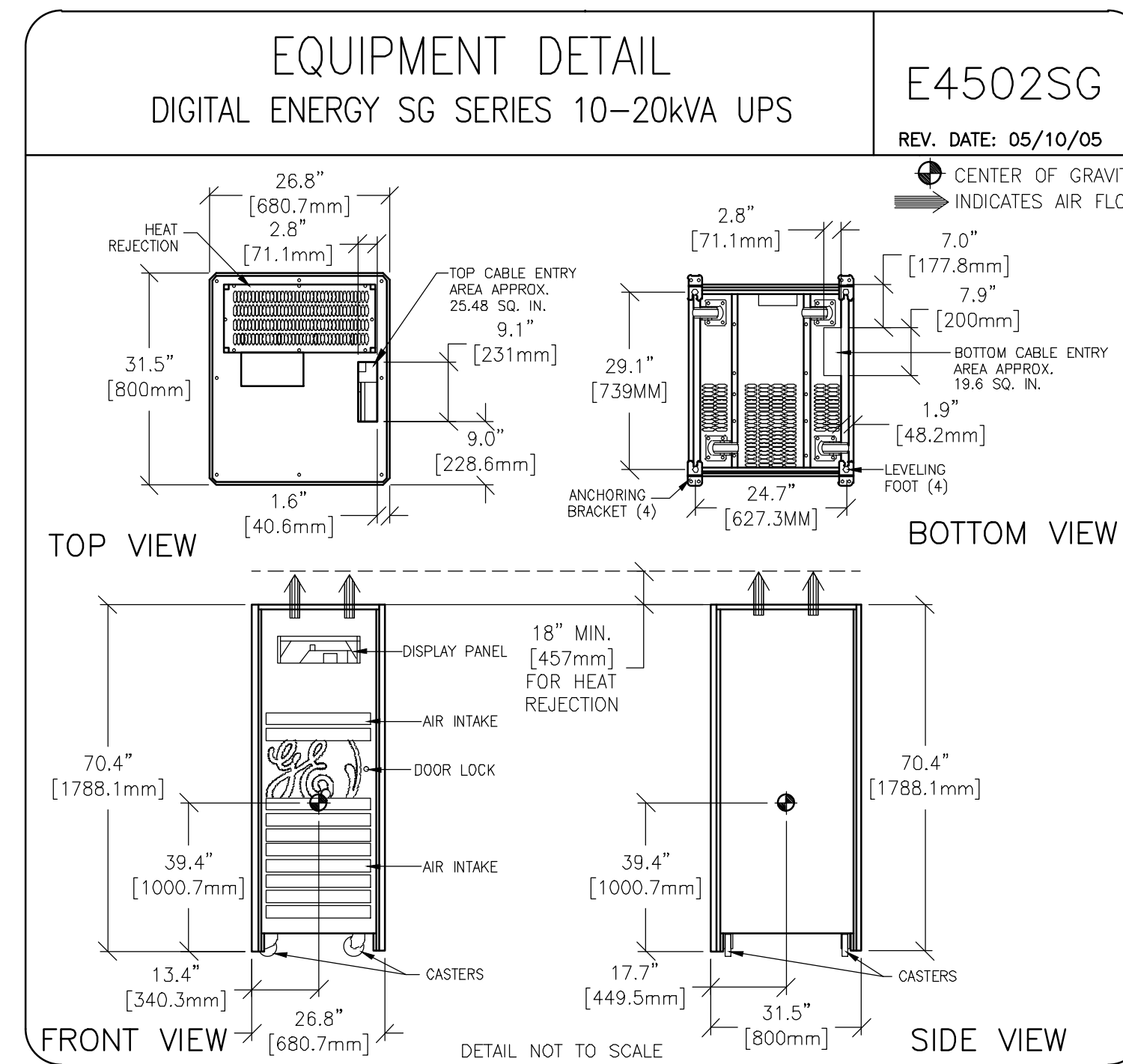
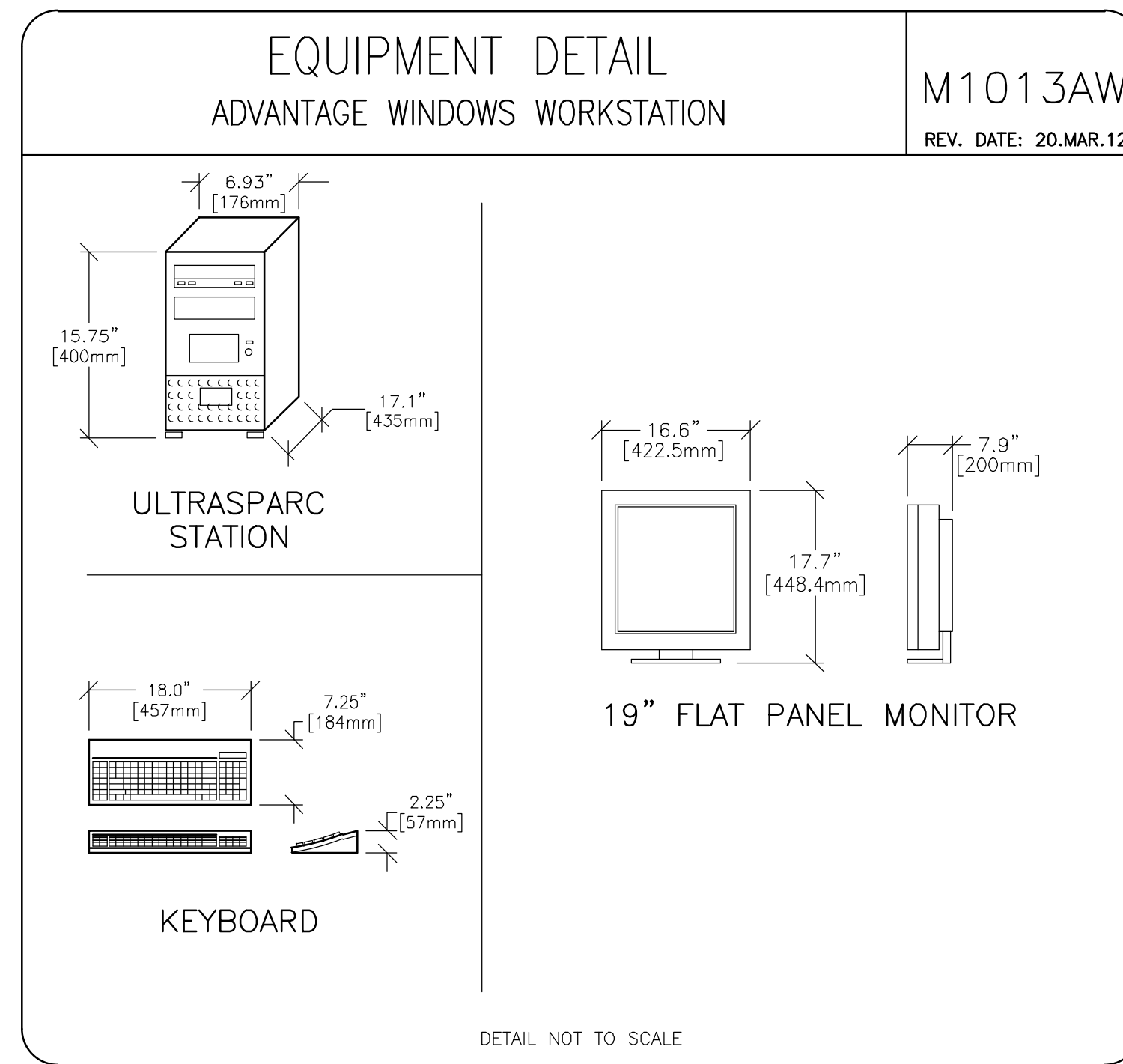
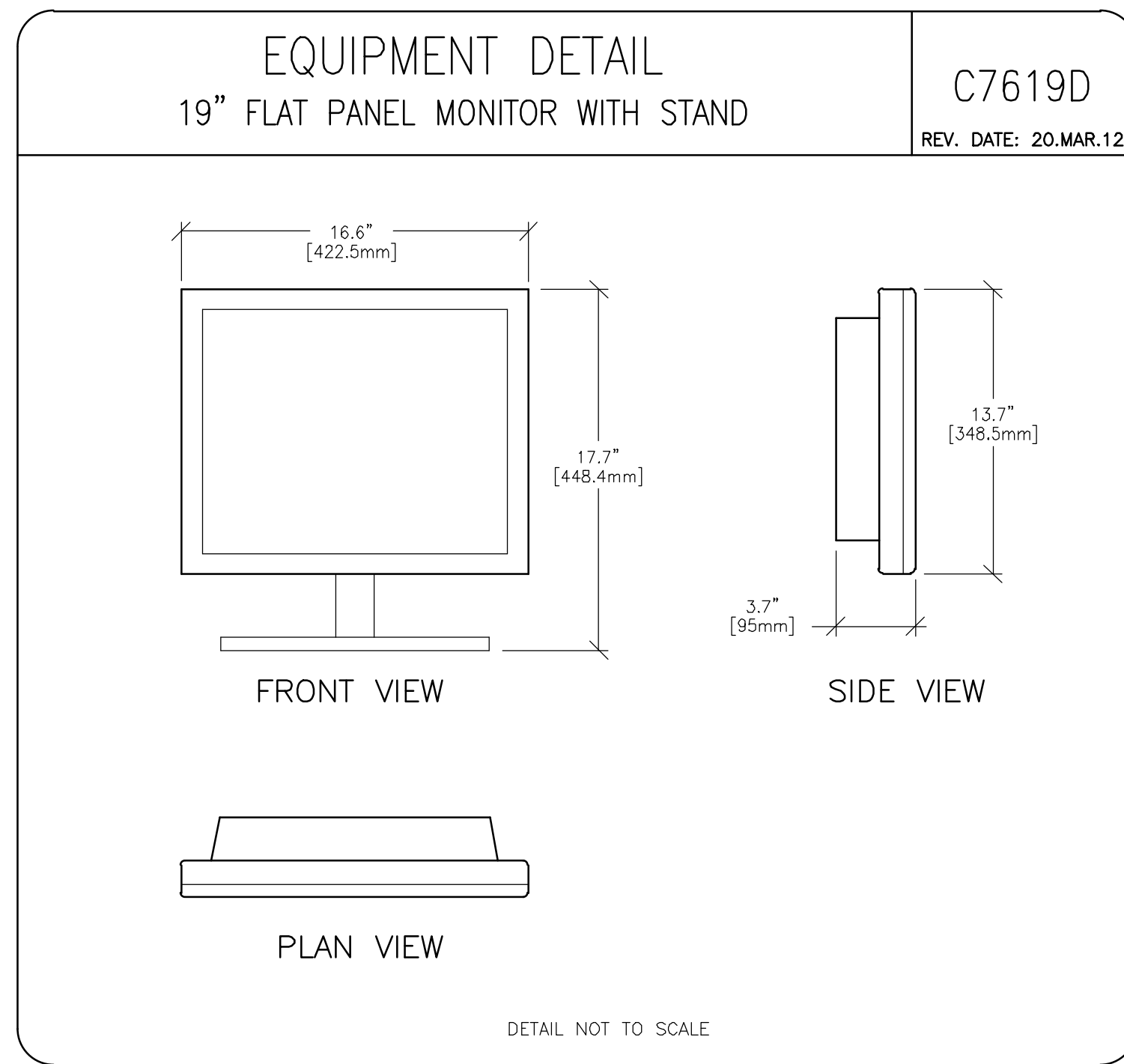
PROJECT	REVISION
123581	00

DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

REVISION HISTORY:

SHEET
D2

This drawing is based on Sketch No.: 12JWE57ext



GE Healthcare
Healthcare Project Implementation - Design Center
Minneapolis, MN

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: INNOVA IGS 630

THIS PLAN IS SUBMITTED TO SUPPORT WORKING OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE REQUIREMENTS OF THE PROJECT. THE COMPANY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: ROOM NO. CathLab2
MEMORIAL HERMANN WOODLANDS HOSPITAL
SHENANDOAH, TEXAS

PROJECT	REVISION
123581	00

DATE: 14.Dec.12
DRAWN BY: TST
CHECKED BY: TST
QT. NO: P2C167466V1
QT. DT: 07.Dec.12

REVISION HISTORY:

SHEET
D3

This drawing is based on Sketch No.: 12JWE57ext