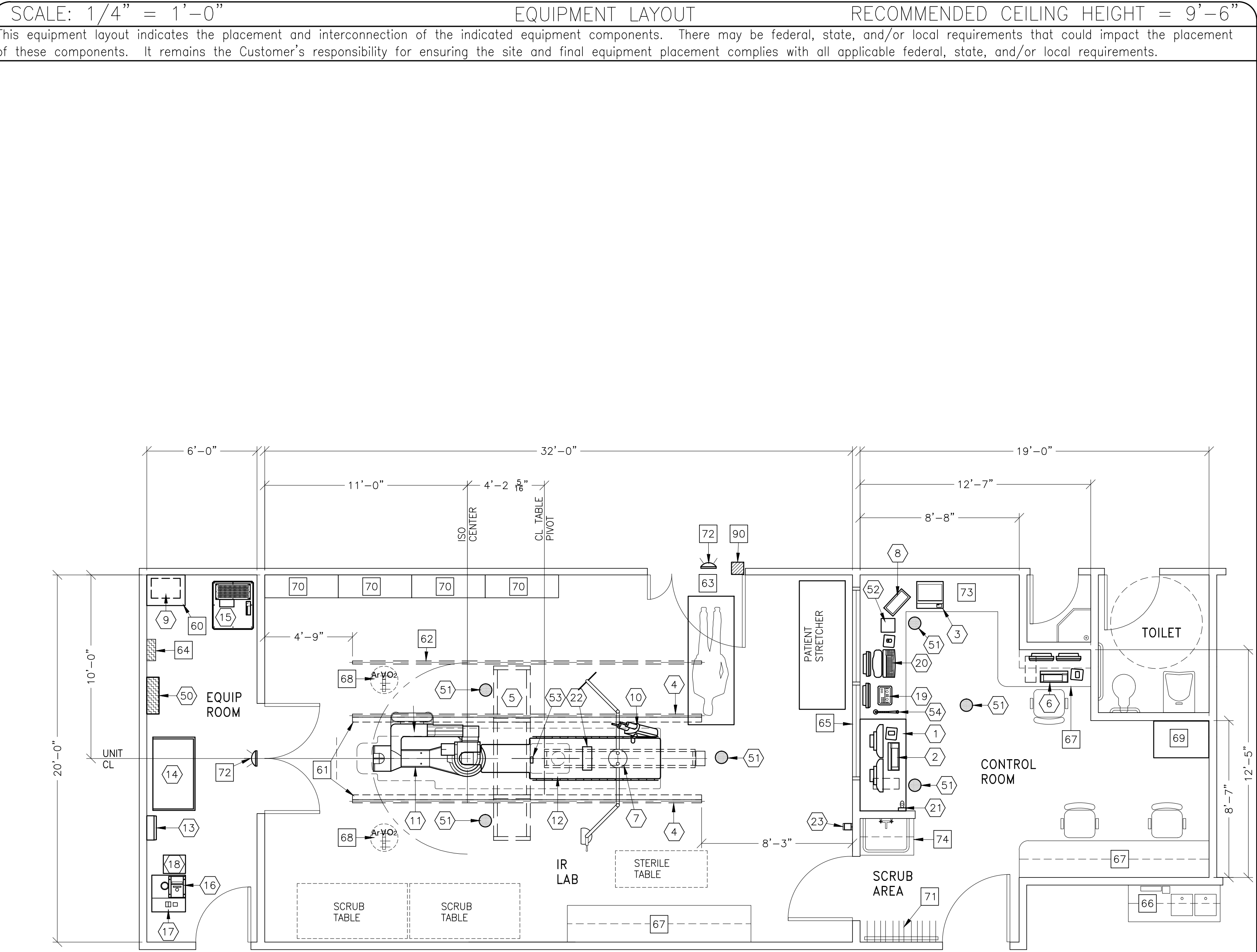






GE EQUIPMENT LISTING							
EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR GON WAS ISSUED AT THE DATE OF THESE DRAWINGS					EQUIPMENT CROSS REFERENCE CHART		
NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.					SEISMIC STATUS	P = PREAPPROVAL C = CALCULATIONS/ PENDING APPROVAL S = SPECIFICATIONS ONLY	
ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"			DETAIL NO.	STRC PLAN	ELEC PLAN
	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)				
1	WORKSTATION CART					---	---
2	MAC-LAB CONSOLE, INCLUDES MONITORS AND KEYBOARD	566 lbs	2935 btu			---	PC S
3	COLOR PRINTER		1054 btu			---	S
4	2 LONGITUDINAL STATIONARY RAIL FOR XT SUSPENSION	68 lbs				B20 078	C
5	4 FOUR LCD MONITOR SUSPENSION ON 9 FT. 6 IN. XT INBOARD BRIDGE	485 lbs	1157 btu		B2004 B2010A	---	WBM1 C
6	1 AW WORKSTATION	81 lbs	1201 btu		M1013AW C7619D	---	C
7	1 COUNTERBALANCED EYE AND THYROID SHIELD WITH R96 LAMP	143 lbs			B5031E	B50 31F	LMP S
8	1 REMOTE CONTROL FOR INJECTOR	4 lbs			B5028	.	IEC S
9	1 INJECTOR ELECTRONICS	37 lbs	320 btu		B5028	---	IE S
10	1 INJECTOR HEAD ON TABLE RAIL	15 lbs			B5030A	---	IH S
11	1 INNOVA POSITIONER (REFERENCE TABLE BASE-PLATE DETAIL FOR FLOOR MOUNTING INFORMATION)	1653 lbs	2416 btu		B5050A B5050B B5050C B5050D B5050E B5050F B5050G B5050H B5050J B5050K B5050L B5050M B5050N B5050O B5050P B5050R	---	LC1 C
12	1 OMEGA V TABLE (WITH NEW COVERS)	1300 lbs	614 btu		B5061	B50 49M	LUS C
13	1 UPS INTERFACE BOX				E45021B	---	UIB
14	1 SYSTEM CONTROL CABINET	1415 lbs	5218 btu		B00015	---	SCC
15	1 UPS CABINET	1170 lbs	4061 btu		E45025C	---	UPS
16	1 DETECTOR CHILLER	33 lbs	706 btu		B5049F	---	DC S
17	1 COOLIX 4100 WATER CHILLER	264 lbs	11737 btu		B-1GS03 B-1GS04	---	CHLR C
18	1 COOLIX 4100 AUTOTRANSFORMER	66 lbs	153 btu		B-1GS05	---	AT
19	1 CONTROL ROOM MONITOR WITH DL KEYPAD	22 lbs	204 btu		C7412H C7619D	---	S
20	1 OPERATORS CONSOLE	22 lbs	546 btu		B5050C C7502 C7619D	---	WBC1 C
21	1 BOLUS CHASE HANDSWITCH	2 lbs				---	WBBC
22	1 TRAM NET RACK	8 lbs			B5047	---	TRAM S
23	1 XR BUZZER (LOCATED ABOVE CEILING)	2 lbs			B5150H	---	XR8
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	6 VITALING SPEAKER					.	---
52	1 VITALING CONSOLE					.	---
53	1 VITALING MICROPHONE (ONE ON MONITOR BRIDGE IN EXAM ROOM)				B870K	.	---
54	1 VITALING MICROPHONE (ONE ON COUNTERTOP IN CONTROL ROOM)					---	---



ANCILLARY ITEMS	
CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS	
ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	SHELF - CUSTOMER TO PROVIDE ADEQUATE WALL SUPPORT
61	BEARING BLOCK OUTLINE, SEE S1 FOR MORE INFORMATION.
62	CABLE DRAPE RAIL.
63	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W X 83 IN. H (1118mm X 2108mm), CONTINGENT ON A 96 IN. (2438mm) CORRIDOR WIDTH.
64	CIRCUIT BREAKER OR EQUIVALENT WITH LOAD CAPABILITY MUST BE INSTALLED IN THE MAINS LINE TO THE PDB THIS DEVICE MUST BE COMPATIBLE WITH THE POWER INPUT SPECIFICATIONS OF THE SYSTEM. THE CUSTOMER IS RESPONSIBLE FOR PROCUREMENT, DELIVERY, INSTALLATION OF THIS BREAKER.
65	CONTROL WALL TO CEILING WITH LEAD GLASS WINDOW
66	COUNTER TOP WITH SINK, BASE AND WALL CABINETS
67	COUNTER TOP WITH BASE AND WALL CABINETS
68	MED GASES IN CEILING
69	CUSTOMER SUPPLIED STORAGE CABINET
70	CATHETER CABINETS
71	LEAD APRON RACK
72	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABWW-DF-XIU
73	COUNTER TOP FOR EQUIPMENT-SHELVING MAY BE REQUIRED PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
74	SCRUB SINK
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 "PDB" ON SHEET E1 FOR DETAILED DESCRIPTION -CAT. NO. E4502SS FOR WARNING LIGHT & ROOM LIGHT CONTROL.
GENERAL SPECIFICATIONS	
<ul style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li><li>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..</li><li>ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.</li><li>DIMENSIONS ARE TO FINISHED SURFACES OF ROOM</li></ul>	
SITE ENVIRONMENT SPECIFICATIONS	
<ul style="list-style-type: none"><li>AMBIENT OPERATING TEMPERATURE: EQUIPMENT ROOM WITH FLUORO UPS OPTION 68° TO 77° F. (20° TO 25° C)</li><li>AMBIENT OPERATING TEMPERATURE: CONTROL ROOM 68° TO 77° F. (20° TO 25° C)</li><li>AMBIENT OPERATING TEMPERATURE: EXAM ROOM-DESIGN FOR PATIENT/OPERATOR COMFORT TARGET TEMPERATURE 64° F. (18° C)</li><li>HUMIDITY: 30° TO 75° FOR EQUIPMENT AND CONTROL ROOMS AND 30° TO 70° FOR EXAM ROOM</li><li>ALTITUDE: NOT TO EXCEED 9,842 FT. (3000M) ABOVE SEA LEVEL.</li><li>THE ENVIRONMENT FOR THE ELECTRONICS CABINET MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.</li><li>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.</li><li>COLD AIR RETURNS IN EQUIPMENT ROOM MUST BE LOCATED IN CLOSE PROXIMITY TO X-RAY TUBE CHILLER FOR BEST HEAT LOAD REDUCTION.</li></ul>	
MAGNETIC INTERFERENCE SPECIFICATIONS	
<p>DIGITAL FLAT PANEL MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 1 GAUSS TO GUARANTEE SPECIFIED IMAGING PERFORMANCE.</p> <p>X-RAY TUBES MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE SPECIFIED PERFORMANCE.</p> <p>SYSTEM ELECTRONICS MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE DATA INTEGRITY.</p> <p>OPERATORS CONSOLE EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.</p>	



GE Healthcare

Healthcare Project Implementation - Design Center

Minneapolis, MN

SHEET TITLE: EQUIPMENT LAYOUT

MODALITY TYPE: OPTIMA ICS 320-330

THIS PLAN IS SUBMITTED TO SUGGEST 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. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL RADIOLOGY - OPTIMA

TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100F	00

DATE: 20.Nov.15

DRAWN BY: SLR

CHECKED BY: TST

REVISION HISTORY:

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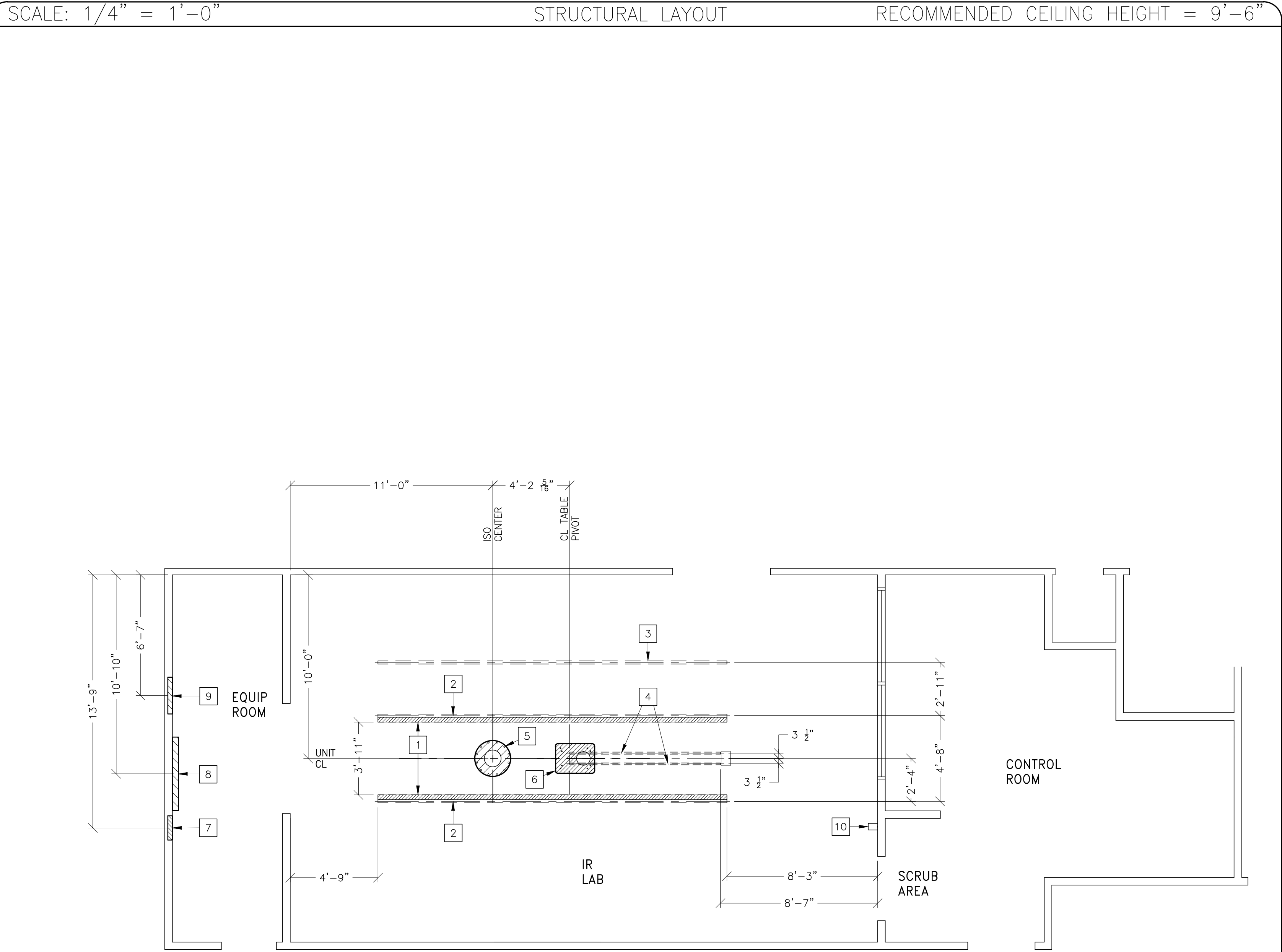
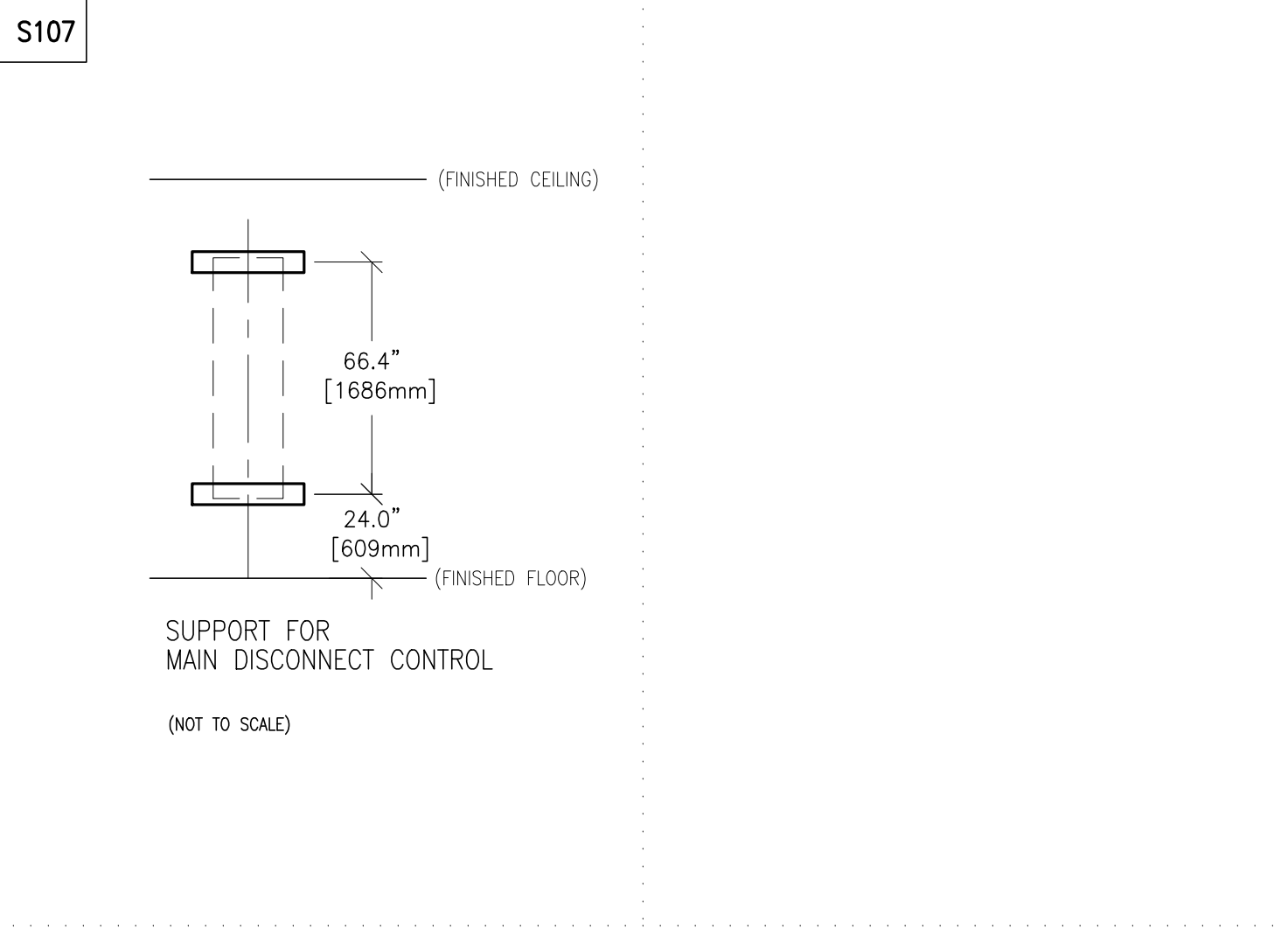
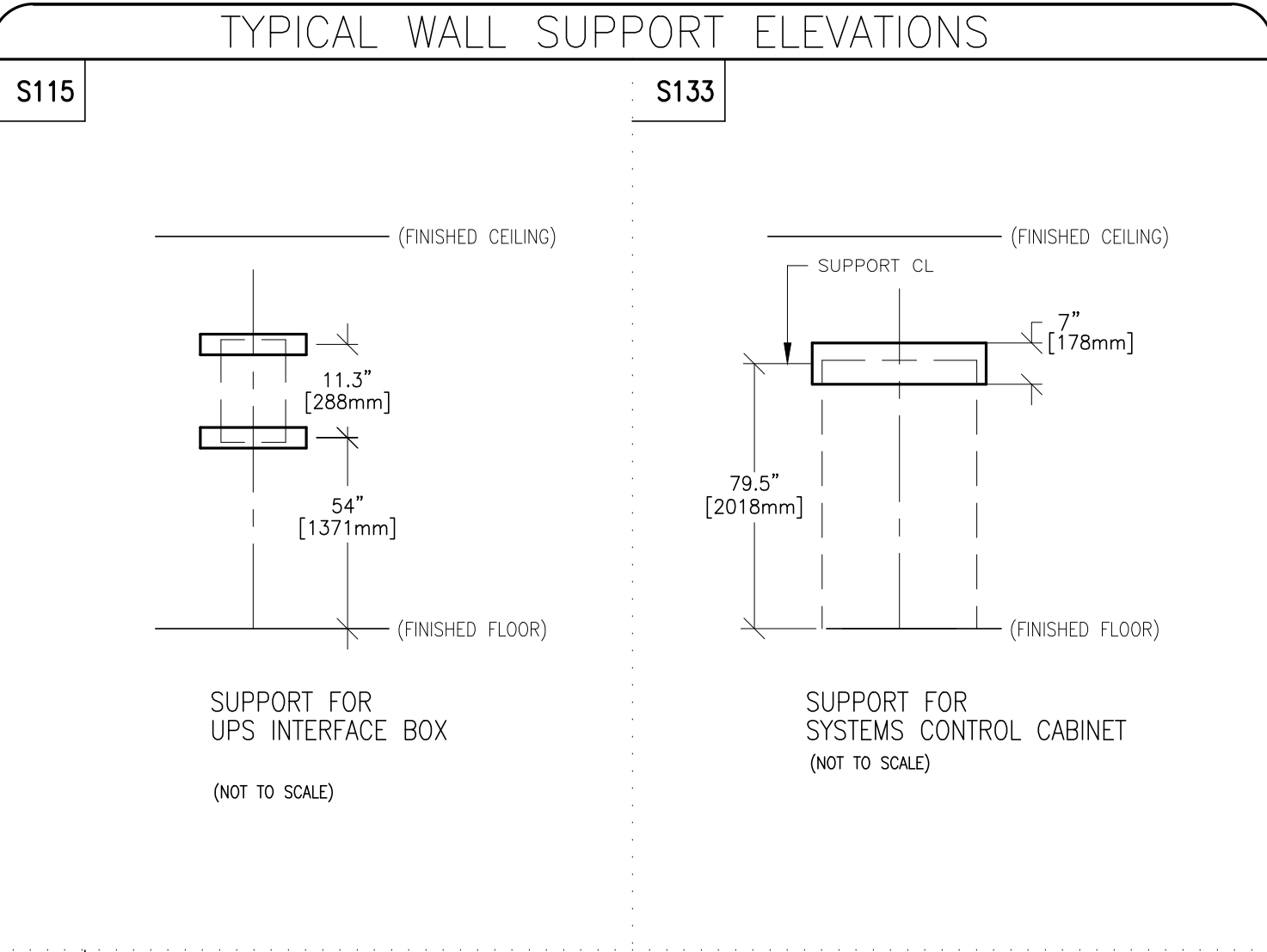
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SHEET

A1

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



STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	HATCHED AREA INDICATES MONITOR BRIDGE BEARING BLOCK PATH. NO CEILING MOUNTED EQUIPMENT SUCH AS SPRINKLER HEADS, LIGHTS, EXHAUST FANS ETC CAN BE PLACED IN THE HATCHED AREA.
2	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'-2" AND REQUIRE 350 LBS. (<597 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.
3	>>COMPONENTS FLUSH WITH CEILING<< UNISTRUT OR EQUIVALENT SUPPORT IN CEILING FOR FASTENING CABLE DRAPE RAIL. 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'-2" AND REQUIRE 50 LBS. 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. TO ORDER, CABLE DRAPE RAIL, UNISTRUT P5000 OR P5500 CHANNEL AND P275IN TROLLEYS. CALL UNISTRUT WISCONSIN AT 666-796-8710.
4	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 102 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.
5	AREA OCCUPIED BY GE SUPPLIED POSITIONER BASEPLATE
6	AREA OCCUPIED BY GE SUPPLIED OMEGA TABLE BASE
7	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S115, FOR UPS INTERFACE BOX.
8	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S133 FOR SYSTEM CONTROL CABINET.
9	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S107, FOR MAIN DISCONNECT CONTROL.
10	MOUNT XR BUZZER BRACKET ON WALL. ABOVE CEILING

STRUCTURAL NOTES

- ALL STEEL WORK AND PARTS NECESSARY TO SUPPORT CEILING MOUNTED TUBE HANGER OR OTHER EQUIPMENT ARE TO BE SUPPLIED BY THE CUSTOMER OR HIS CONTRACTORS. THE UNISTRUT OR EQUIVALENT STRUCTURE SHOULD RUN CONTINUOUS WITH NO FITTINGS EXTENDING BELOW FACE OF UNISTRUT CHANNEL, RUN WALL TO WALL, BE PARALLEL, SQUARE AND IN THE SAME HORIZONTAL PLANE FLUSH WITH FINISHED CEILING. THE SYSTEM IS TO BE CROSS BRACED VERTICALLY, HORIZONTALLY AND DIAGONALLY TO ALLOW NO MOVEMENT AND A MAXIMUM OF 1,58mm(1/16") DEFLECTION. CLOSURE STRIPS SHALL BE PROVIDED FOR AREAS OF UNISTRUT EXPOSED AND WITHOUT MOUNTING UNITS.
- METHODS OF SUPPORT FOR THE STEELWORK THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE CONCRETE OR MASONRY ANCHORS IN DIRECT TENSION.
- ALL UNITS THAT ARE WALL MOUNTED OR WALL SUPPORTED ARE TO BE PROVIDED WITH SUPPORTS WHERE NECESSARY. WALL SUPPORTS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER OR HIS CONTRACTORS. SEE PLAN AND DETAIL SHEETS FOR SUGGESTED LOCATIONS AND MOUNTING HOLE LOCATIONS.
- ALL CEILING MOUNTED FIXTURES, AIR VENTS, SPRINKLERS, ETC. TO BE FLUSH MOUNTED, OR SHALL NOT EXTEND MORE THAN 6,35mm (1/4") BELOW THE FINISHED CEILING.
- CONTROL WALLS WITH TUBE HANGER PASSAGE ABOVE SHALL BE CONSTRUCTED TO 2130mm (7'-0") HIGH.
- FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 3,17mm (1/8") in 3050mm (10'-0")
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.
- CUSTOMERS CONTRACTOR MUST PROVIDE ALL PENETRATIONS IN POST TENSION FLOORS.
- CUSTOMERS CONTRACTOR MUST PROVIDE AND INSTALL ANY NON-STANDARD ANCHORING. DOCUMENTS FOR STANDARD ANCHORING METHODS ARE INCLUDED WITH GE EQUIPMENT DRAWINGS FOR GEOGRAPHIC AREAS THAT REQUIRE SUCH DOCUMENTATION.
- CUSTOMERS CONTRACTOR MUST PROVIDE AND INSTALL HARDWARE FOR "THROUGH THE FLOOR" ANCHORING AND/OR ANY BRACING UNDER ACCESS FLOORS. THIS CONTRACTOR MUST ALSO PROVIDE FLOOR DRILLING THAT CANNOT BE COMPLETED BECAUSE OF AN OBSTRUCTION ENCOUNTERED WHILE DRILLING BY THE GE INSTALLER SUCH AS REBAR ETC.
- IT IS THE CUSTOMER'S RESPONSIBILITY TO PERFORM ANY FLOOR OR WALL PENETRATIONS THAT MAY BE REQUIRED. THE CUSTOMER IS ALSO RESPONSIBLE FOR ENSURING THAT NO SUBSURFACE UTILITIES (E.G., ELECTRICAL OR ANY OTHER FORM OF WIRING, CONDUITS, PIPING, DUCT WORK OR STRUCTURAL SUPPORTS (I.E. POST TENSION CABLES OR REBAR)) WILL INTERFERE OR COME IN CONTACT WITH SUBSURFACE PENETRATION OPERATIONS (E.G. DRILLING AND INSTALLATION OF ANCHORS/SCREWS) PERFORMED DURING THE INSTALLATION PROCESS. TO ENSURE WORKER SAFETY, GE INSTALLERS WILL PERFORM SURFACE PENETRATION OPERATIONS ONLY AFTER THE CUSTOMER'S VALIDATION AND COMPLETION OF THE "GE SURFACE PENETRATION PERMIT"

STRUCTURAL NOTES

PROJECT TITLE: INTERVENTIONAL RADIOLOGY – OPTIMA TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100f	00

DATE:	20.Nov.15
DRAWN BY:	SLR
CHECKED BY:	TST

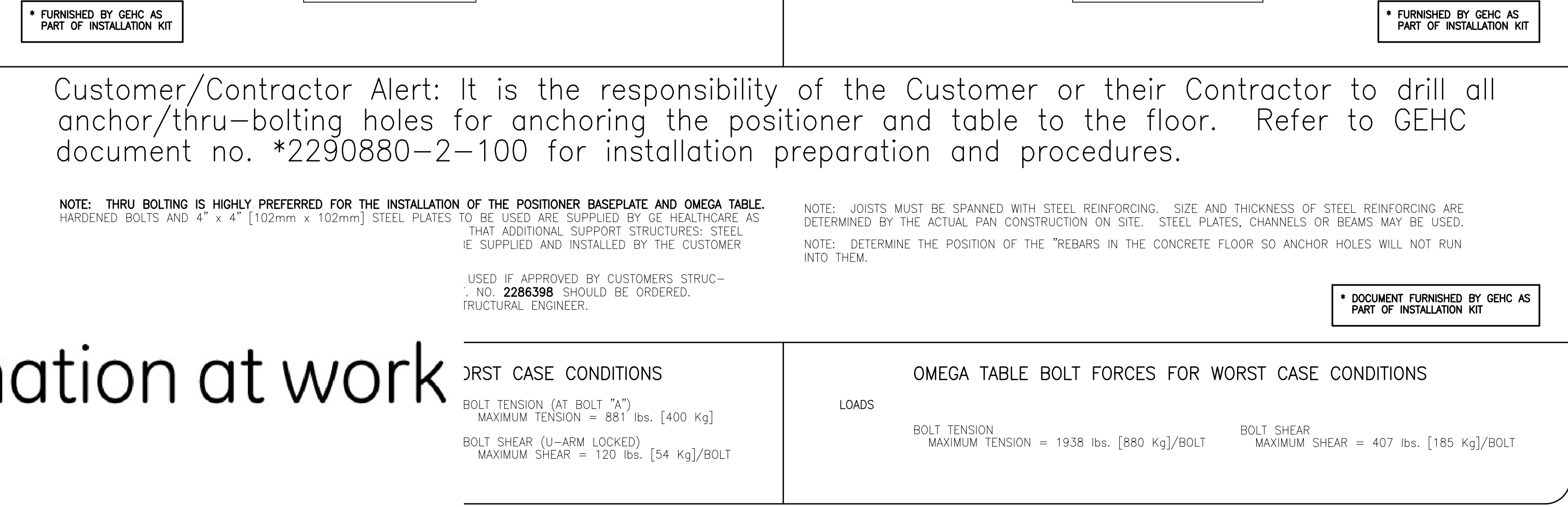
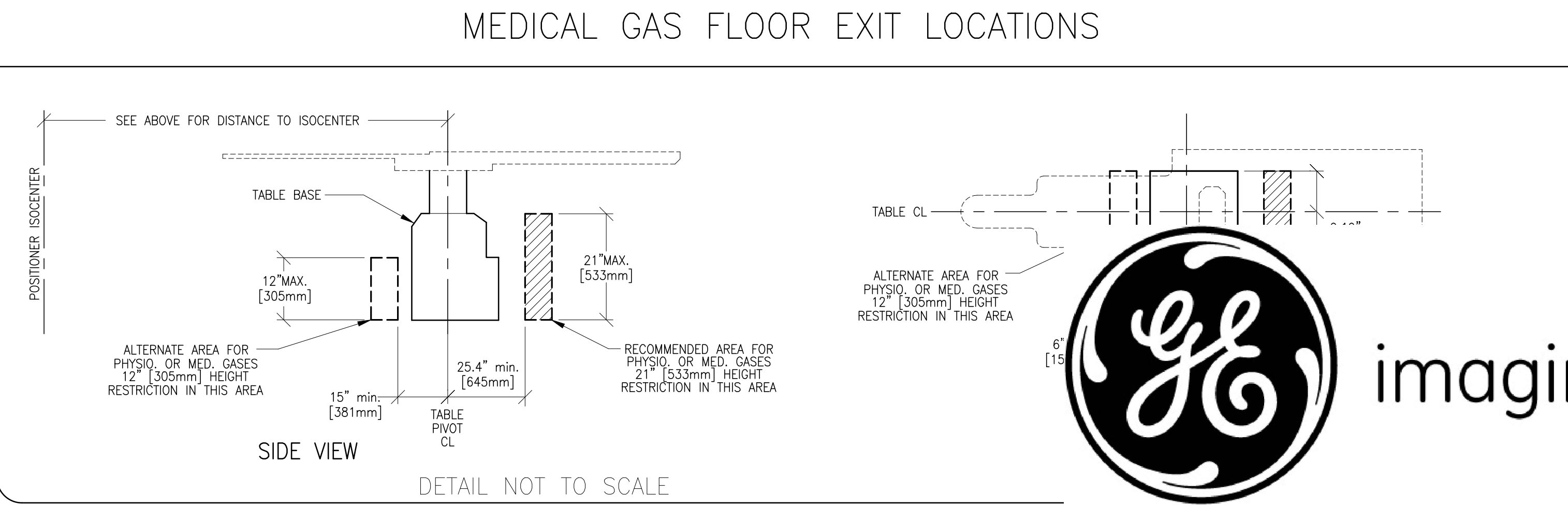
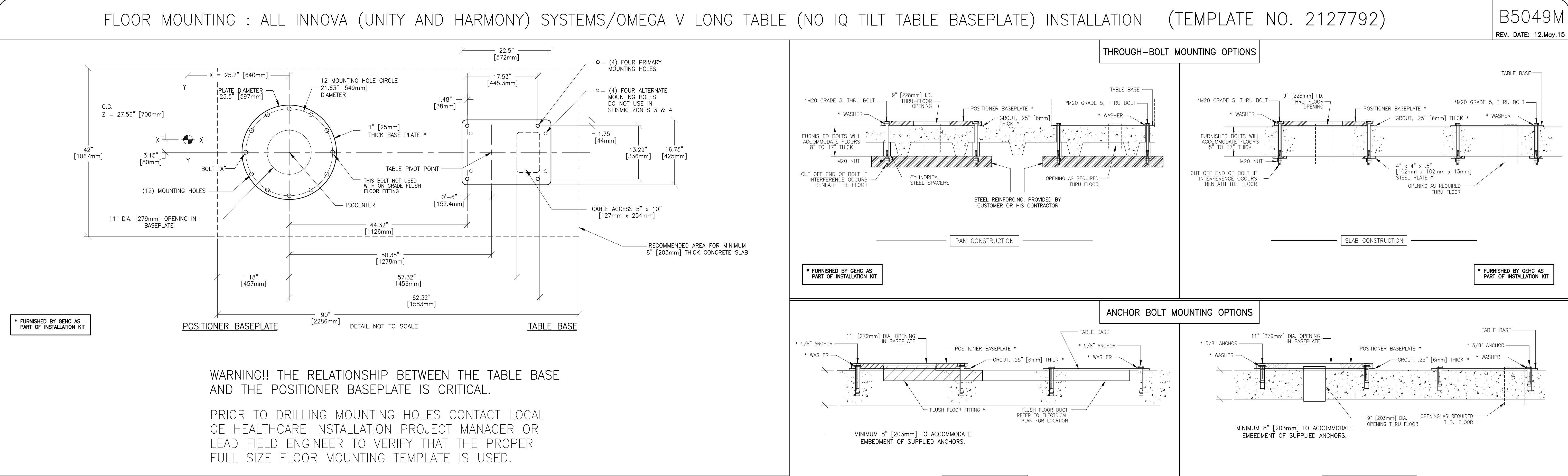
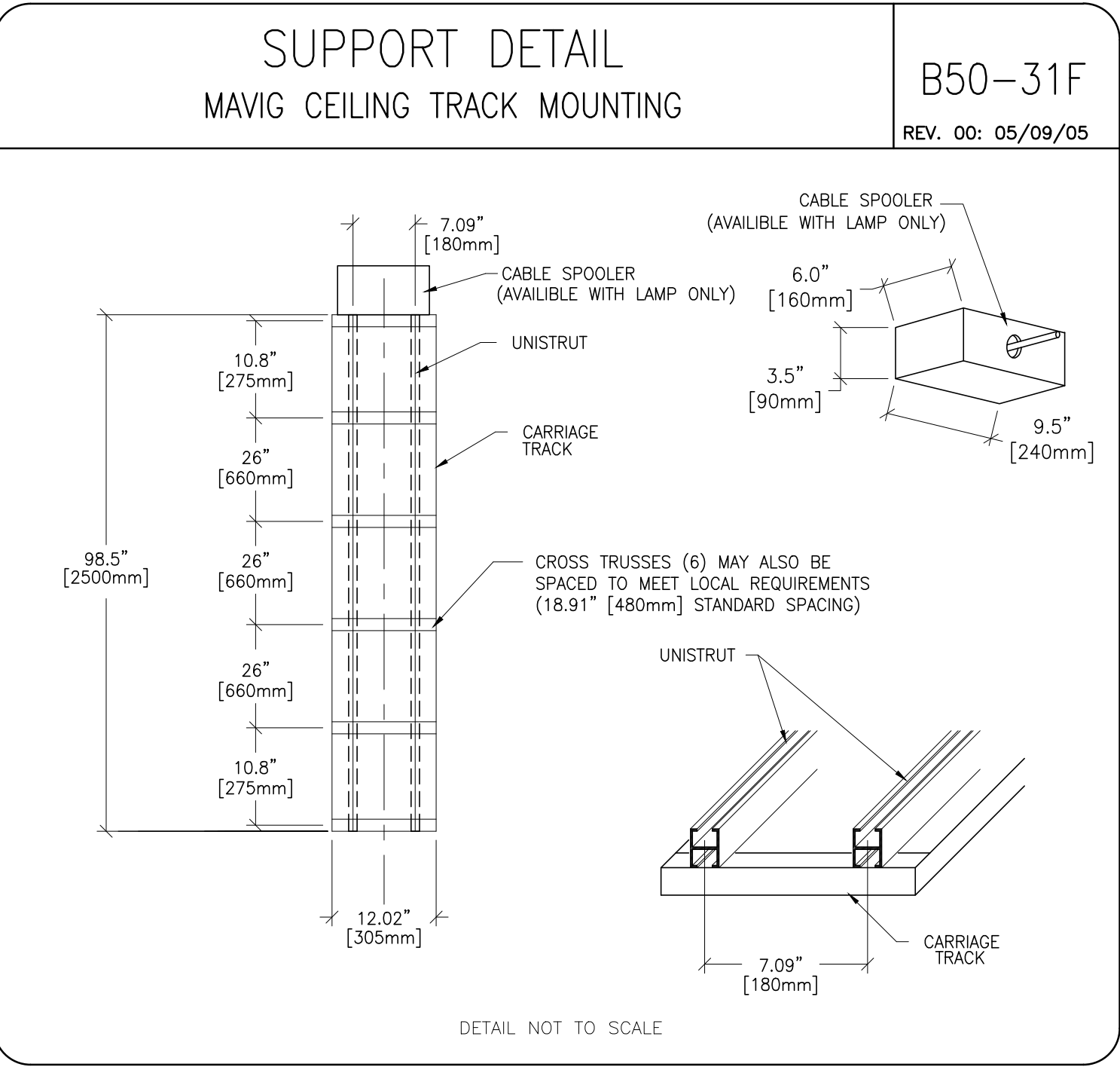
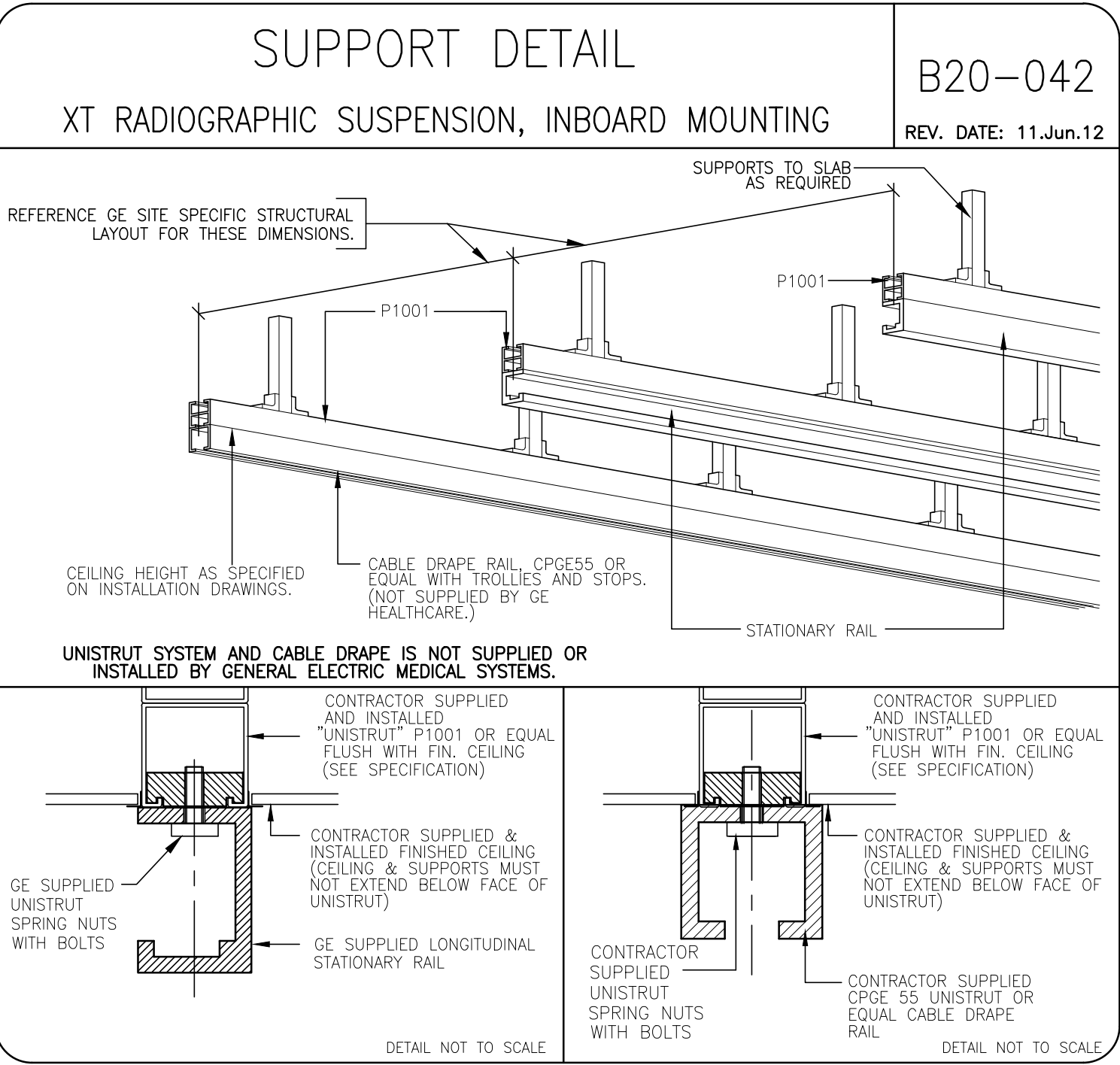
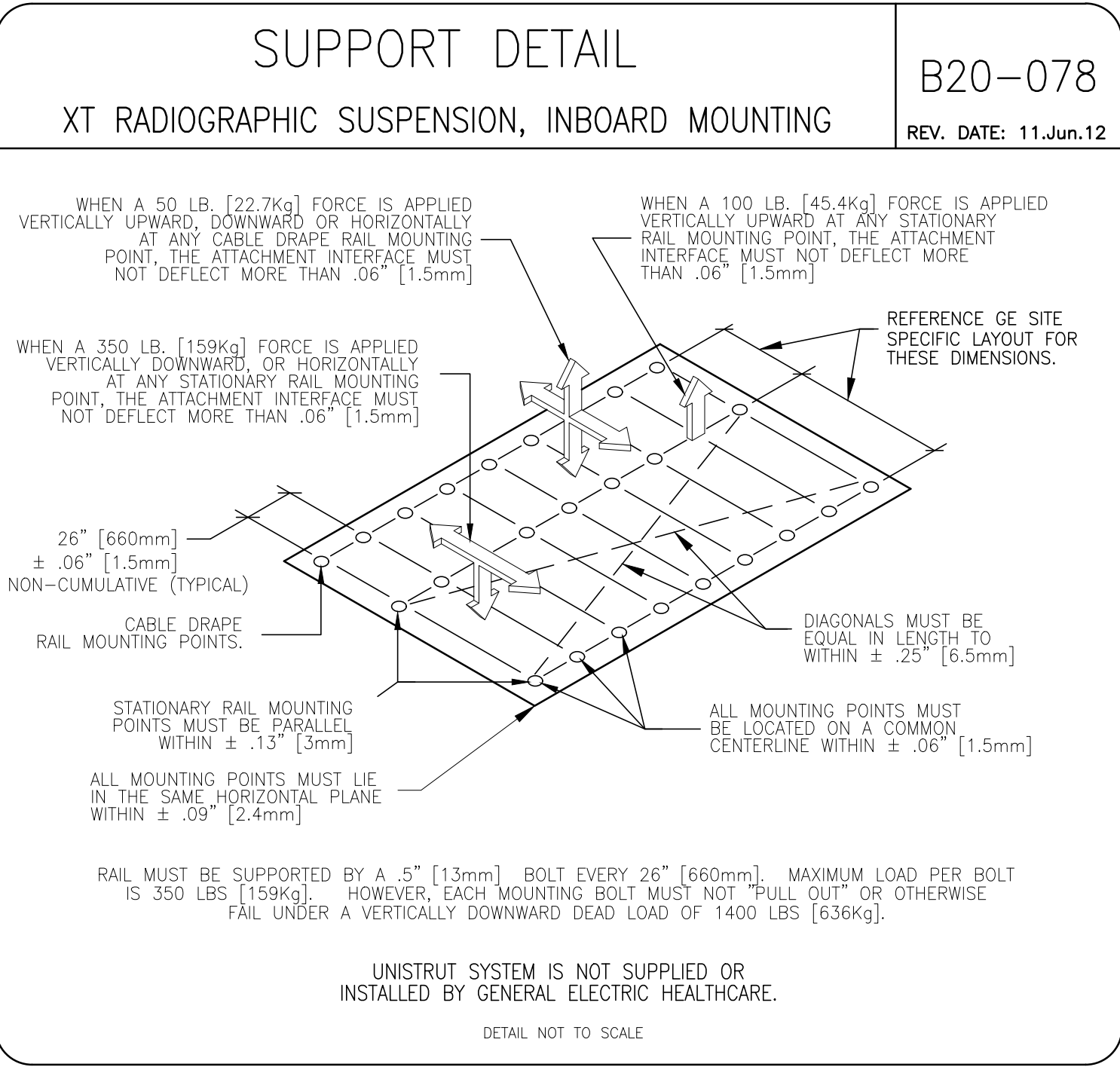
REVISION HISTORY:

PIM R1

RQ – 156428

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GE Healthcare

Healthcare Project Implementation – Design Center

Minneapolis, Wisconsin

SHEET TITLE: STRUCTURAL DETAILS

MODALITY TYPE: OPTIMA ICS 320-330

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PROJECT TITLE:

INTERVENTIONAL RADIOLOGY – OPTIMA

TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100f	00
DATE:	20.Nov.15
DRAWN BY:	SLR
CHECKED BY:	TST

REVISION HISTORY:

SHEET

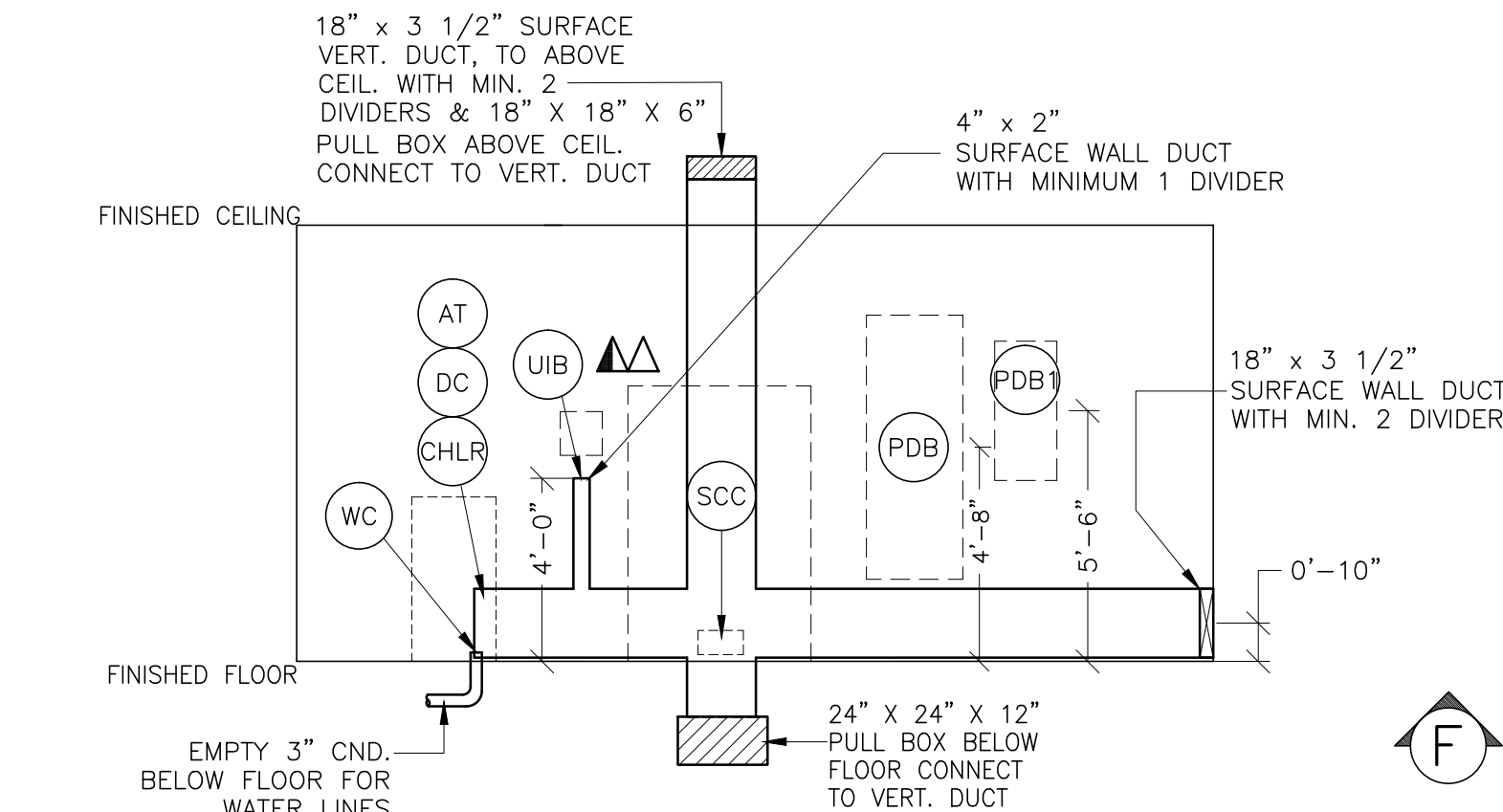
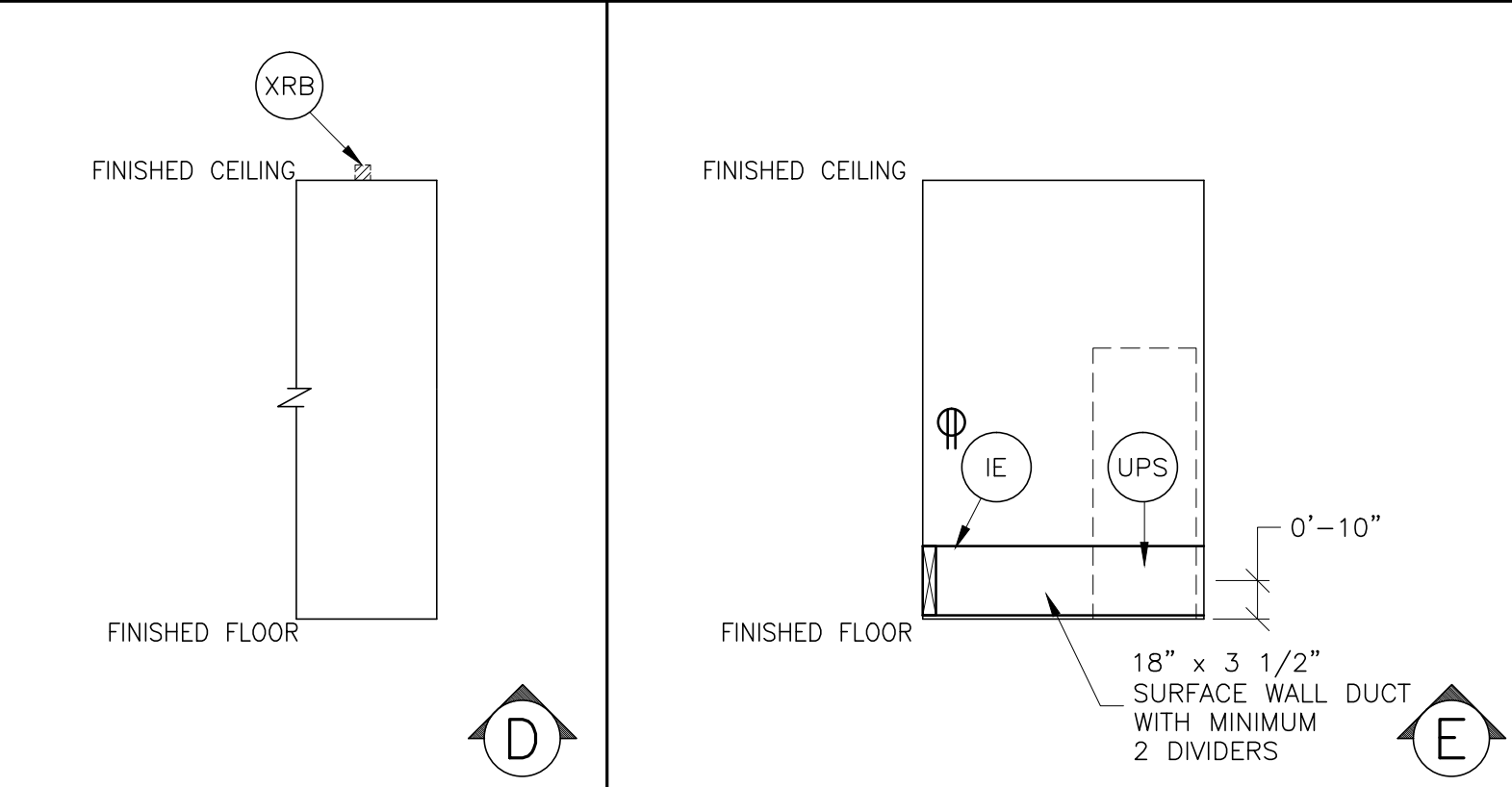
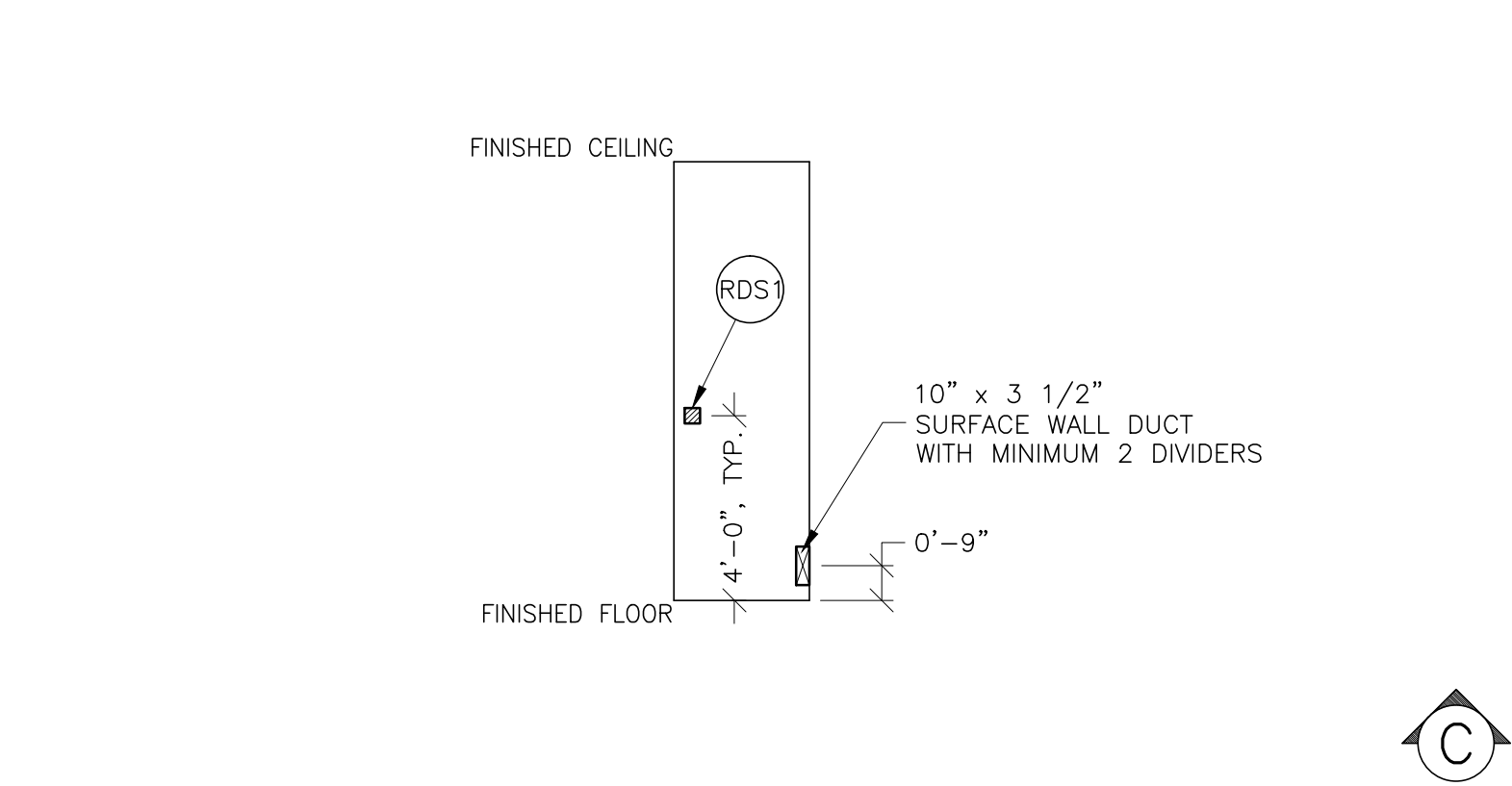
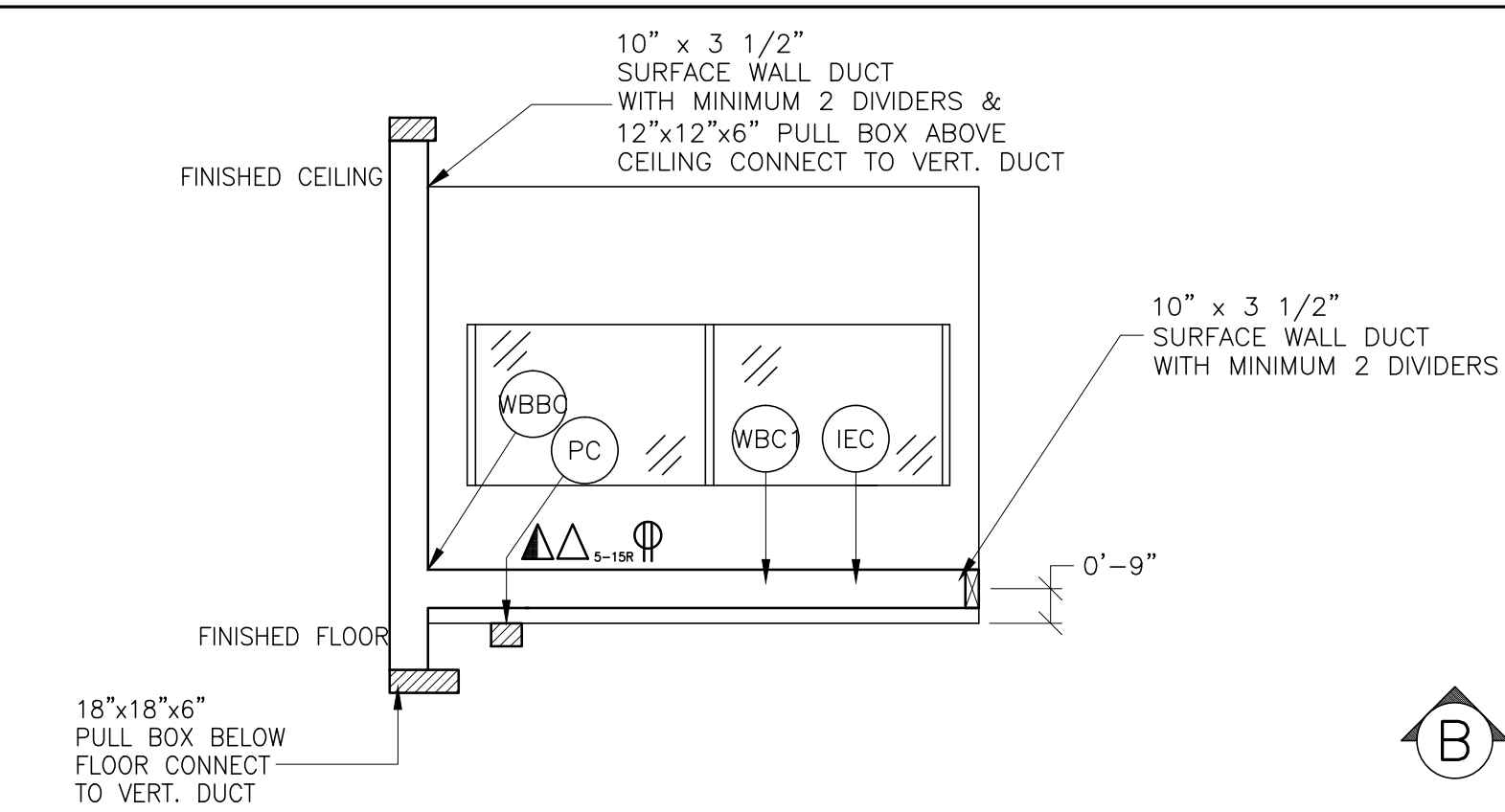
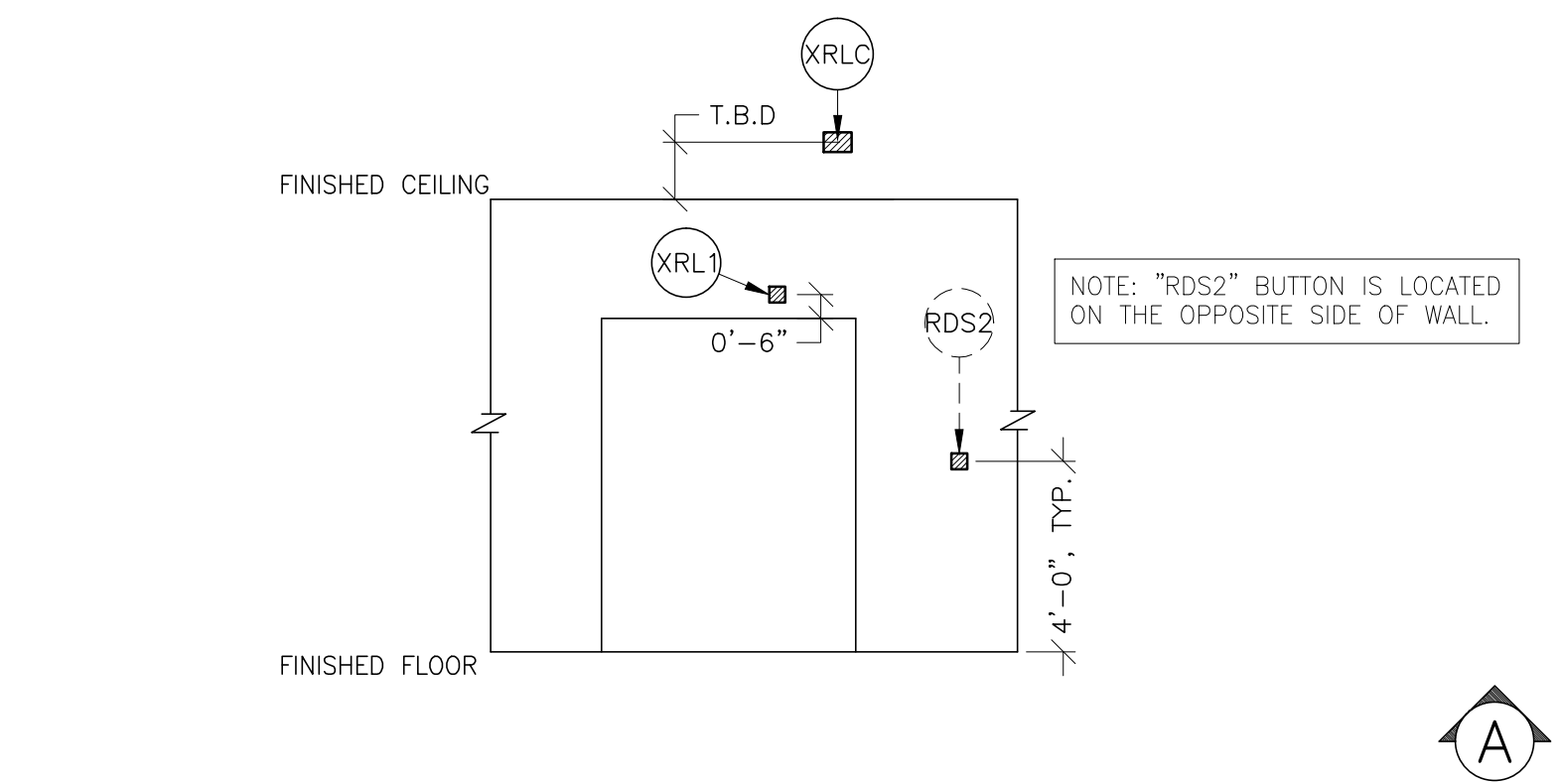
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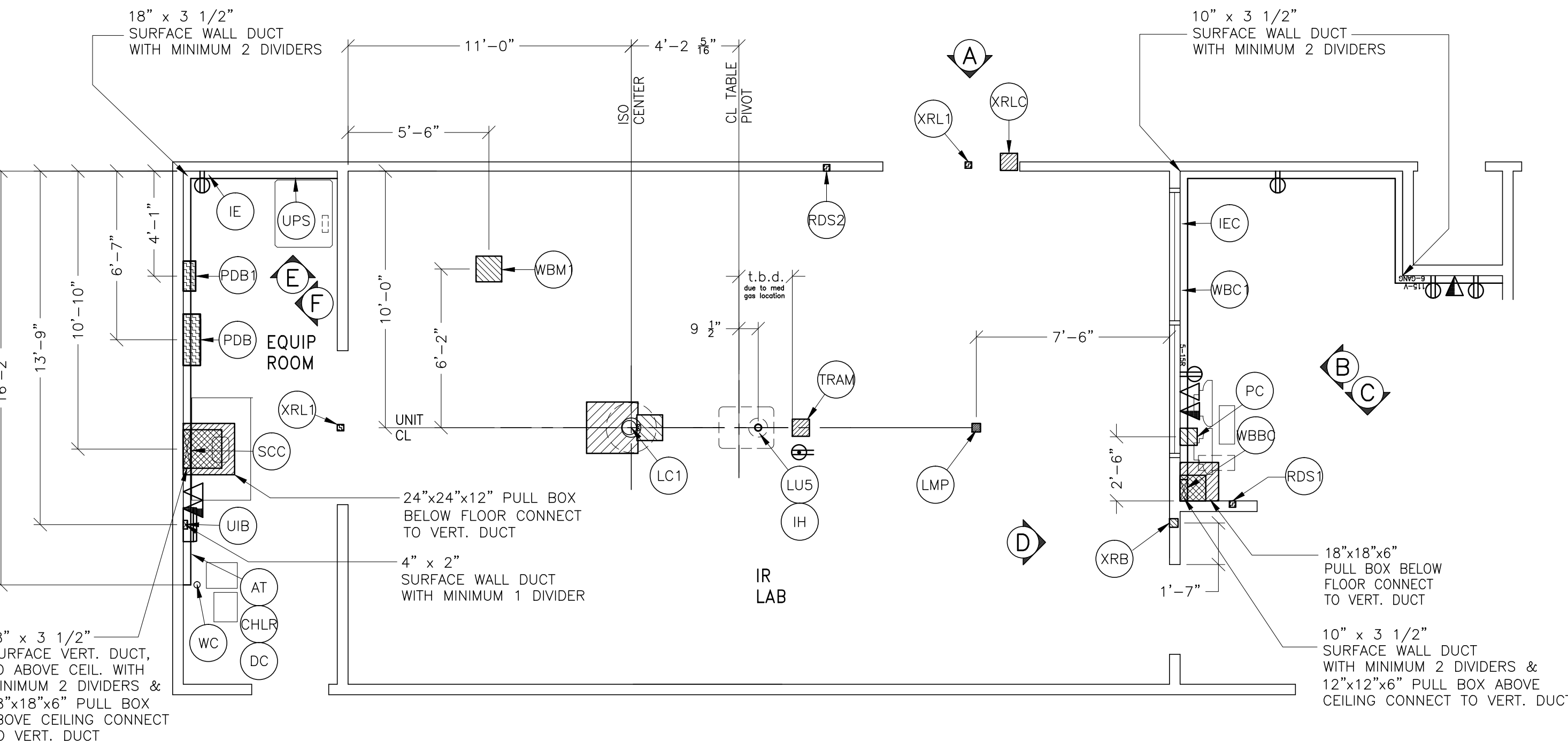
SCALE: 1/4" = 1'-0"

## ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 9'-6"



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)
	DUPLEX HOSPITAL GRADE, DEDICATED OUTLET 120-V, EMERGENCY, SINGLE PHASE POWER, 15A
	5-15R NEMA RECEPTACLE, DEDICATED OUTLET 120-V, SINGLE PHASE POWER
	6-GANG HOSPITAL GRADE, DEDICATED WALL OUTLET 115-V, SINGLE PHASE POWER



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

**CONDUIT RUNS:  
INNOVA OPTIMA 320/330****CONDUITS REQUIRED FOR BASE SYSTEM  
(CONDUITS ARE LOCATED BELOW FLOOR)**

REV DATE: 10/01/08	
(1)	LC1 TO SCC FOUR 4" CNDS. USABLE CABLE LENGTH UP TO 60 FT.
(2)	LC1 TO LU5 ONE 4" & ONE 2" CND. CABLE LENGTH 13 FT.
(57)	LU5 TO SCC ONE 4" & ONE 2" CND. (ONLY FOR STATES WITH ACHA INSPECTION)
(3)	WBC1 TO SCC ONE 3 1/2" & TWO 2 1/2" CNDS. USABLE CABLE LENGTH UP TO 60 FT.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

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

REV DATE: 10/01/08	
(4)	XRLC TO XRL1 ONE 1/2" CND.
(6)	XRLC TO SCC ONE 1/2" CND.
(18)	XRLC TO 120-V 14 POWER CND. AS REQ'D

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

**CONDUITS REQUIRED FROM POINT "WBBC"  
(CONDUITS ARE LOCATED BELOW FLOOR)**

REV DATE: 10/01/08	
(8)	WBBC TO LU5 ONE 2 1/2" CND. CABLE LENGTH 88 FT.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

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

REV DATE: 10/01/08	
(9)	XRB TO SCC ONE 3/4"

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

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

REV DATE: 10/01/08	
(11)	LMP TO 120-V 14 POWER CND. AS R

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

**CONDUITS REQUIRED FROM POINT "WBMI"  
(CONDUITS ARE LOCATED ABOVE CEILING)**

REV DATE: 04/06/09	
(12)	WBMI TO SCC TWO 2 1/2" CNDS. AND ONE 3 1/2" CND. USABLE CABLE LENGTH UP TO 40 FT.
(13)	WBMI TO WBC1 ONE 2 1/2" CND. USABLE CABLE LENGTH 40 FT.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

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

REV DATE: 04/06/09	
(14)	WC TO LC1 ONE EMPTY 3" CND. (FOR WATER LINES)

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

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

REV DATE: 04/06/09	
(15)	PDB TO UPS TWO CNDS. AS REQ'D.
(16)	PDB TO UIB ONE 1 1/2" CND. USABLE CABLE LENGTH 70 FT.
(17)	PDB TO RDS1 ONE 1/2" CND.
(19)	PDB TO SCC TWO 2 1/2" CNDS. 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 "PDB"  
(CONDUITS ARE LOCATED ABOVE CEILING)**

REV DATE: 04/06/09	
(20)	PDB TO SCC ONE 1" CND. FOR TWO GE SUPPLIED SIGNAL CABLES CABLE LENGTH 19 FT.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONTACT YOUR LOCAL RADIOLOGY PROJECT MANAGER, INSTALLATIONS (CVPM) FOR ANY MODIFICATIONS TO ROOM LAYOUT.

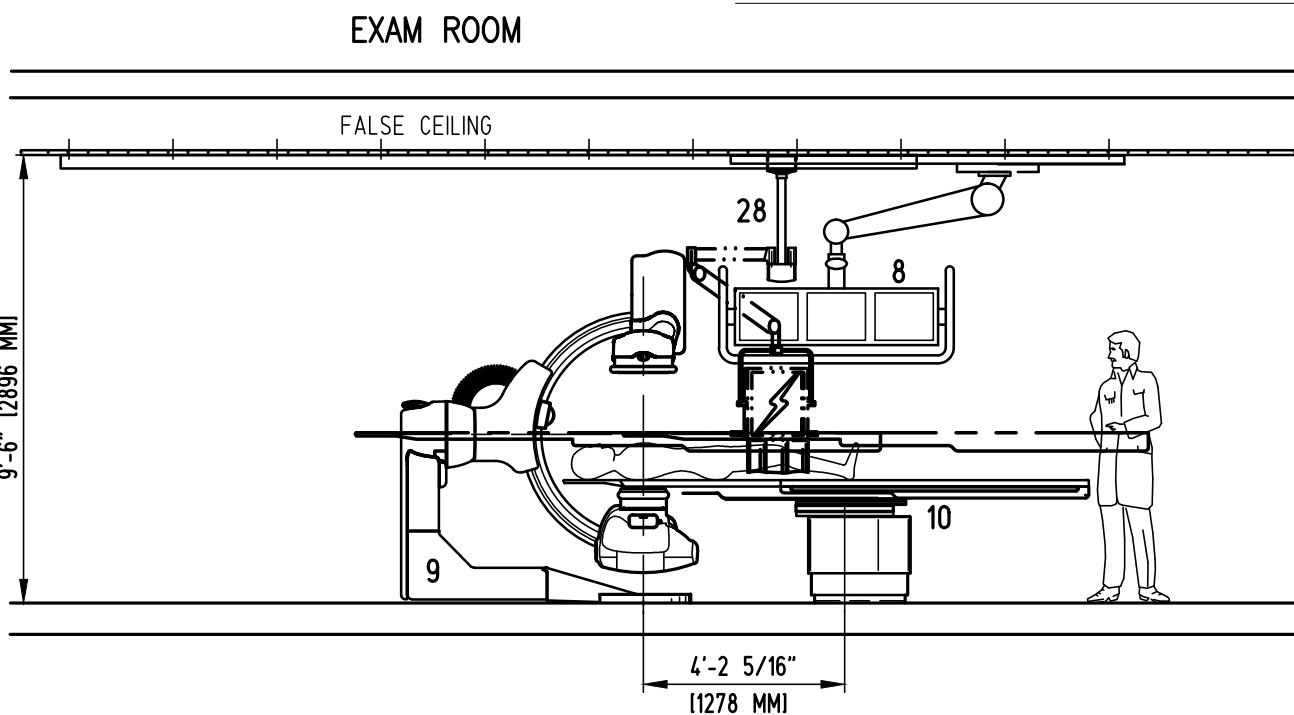
BEFORE PROCEEDING WITH INSTALLATION OF CEILING MOUNTED FIXTURES, PLEASE REFER TO STRUCTURAL SHEET S1 FOR LOCATIONS OF UNISTRUT AND OTHER STRUCTURAL SUPPORTED EQUIPMENT IN CEILING.

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

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, WHICHEVER IS LARGER.						
• 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 WIRE SIZES						
• 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
360	380	400	420	440	480	520
		SIZE (GROUND FEEDER GROUND)				
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INTERCONNECT DIAGRAM

TYPICAL VIEWS



EQUIPMENT DESCRIPTIONS

ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)	DRAWING DESIGNATOR
1	XR BUZZER	2		XR
2	NUMBER NOT USED			
3	SYSTEM CONTROL CABINET SCC	1414	5217	SCC
4	DETECTOR CONDITIONER	33	706	DC
5	COOLUX 4100 WATER CHILLER	449	18716	CHLR
6	20kva UPS CABINET	1170	4061	UPS
7	UPS INTERFACE BOX			UIB
8	ERGO LCD MONITOR SUSPENSION	207	614	WBM1
9	INNOVA LC POSITIONER	1653	2416	LC1
10	OMEGA V LONG TABLE	1750	614	LU5
11	INNOVA VCIM HITH DL KEYBOARD CONSOLE	22	204	
12	VCIM OPERATOR CONSOLE	22	546	WBC1
13	ROOM LIGHTS			RML1
14	XRAY WARNING LAMP			XRL1
15	XRAY WARNING LAMP CONTROLLER			XRLC
16	RDS1 PUSHBUTTON			RDS1
17	RDS2 PUSHBUTTON			RDS2
18	PDB MAIN DISCONNECT	326	1532	PDB
19	LOTO DISCONNECT BREAKER			PDB1
20	COOLUX 4100 AUTOTRANSFORMER	99	239	AT

OPTIONS

ITEM	DESCRIPTION	WEIGHT (lb)	HEAT DISSIPATION (btu)	DRAWING DESIGNATOR
21	BOLUS CHASE HANDSWITCH	2		WBBC
22	ADVANTAGE WINDOWS WORKSTATION	81	1201	AW
23	IVUS VOLCANO CONSOLE	68	1631	IVUS
24	IVUS VOLCANO COLOR PRINTER	X		
25	INJECTOR HEAD	15	X	IH
26	INJECTOR ELECTRONICS	37	320	IE
27	REMOTE CONTROL FOR INJECTOR	4		IEC
28	LAMP (RADIATION SHIELD TRACK)	143		LMP
29	CARROT MONITOR PROCESSOR	145	6143	PROC
30	CARROT LCD MONITOR	546	1706	CART
31	MACH 3 TRANSFORMER	70	X	M3T
32	MACLAB PHYSIO. MONITORING	566	2935	PC
33	PRINTER (PHYSIO.)	X	309	
34	TRAM (PHYSIO.)	8	X	TRAM
35	REMOTE OPERATING TERMINAL (PHYSIO.)	46	682	RMOT
36	MICRO PACE (PHYSIO.)	X	X	MP
37	SKYTRON LIGHTING UNIT	50	341	SL
38	150 KVA UPS	2160	31802	UPS
39	UPS BATTERY CABINET	3529	X	
40	MAINTENANCE BYPASS PANEL	350	X	MBP

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

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 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.

DISTRI-  
BUTION  
TRANS-  
FORMER 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.
- 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.

GE Healthcare

SHEET TITLE: ELECTRICAL SPECIFICATIONS

MODALITY TYPE: OPTIMA ICS 320-330

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT  
AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS  
IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE  
LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL  
FIRE PROTECTION ASSOCIATION (NFPA) CODES. HOWEVER, THE COMPANY CANNOT ACCEPT  
RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL  
RADIOLOGY - OPTIMA  
TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100f	00

DATE: 20.Nov.15  
DRAWN BY: SLR  
CHECKED BY: TST

REVISION HISTORY:

SHEET  
E2

PIM R1

RQ - 156428



imagination at work



ELECTRICAL DETAIL  
FLOOR BOX WITH NIPPLES (TYPICAL)

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

COVERPLATE FLUSH WITH FINISHED FLOOR

PARTITION

FINISHED FLOOR

0.5" (13 mm) TYP.

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
VERTICAL WALL DUCT (TYPICAL)

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

REFER TO CHART FOR MINIMUM DIVIDER REQUIREMENT  
LOCAL CODES MAY REQUIRE ADDITIONAL DIVIDERS

ELECTRICAL DUCT

DUCT WIDTH

EQUAL

EQUAL

REMOVABLE DUCT COVER

GROMMETED OPENING

RUBBER GROMMET

COVER PLATE TO BE REMOVABLE

ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL SCREWS AS SHOWN

REMOVABLE SECTION OF WALL DUCT

REMOVABLE DUCT COVER

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  
J.B. / WALL DUCT DETAIL (TYPICAL)

ELEC-2  
REV. DATE: 02Jan.15

PARTITION

JUNCTION BOX ABOVE CEILING

REMOVABLE COVER ON BOTTOM OF BOX

FINISHED CEILING

REMOVABLE COVER ON FRONT OF DUCT

CONDUITS ABOVE CEILING

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH COVERPLATE AND NETWORK JACK

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

BOX

NETWORK JACK

COVERPLATE

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
NETWORK CONNECTION (TYPICAL)

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

LOCAL AREA NETWORK

FINISHED CEILING

1/2" CONDUIT FROM J.B. TO ABOVE FINISHED CEILING.

TO BE DETERMINED

FINISHED FLOOR

SINGLE GANG J.B.

COVERPLATE WITH NETWORK RECEPTACLE

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

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH COVERPLATE (TYPICAL)

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

OUTLET BOX

HARDWARE

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
HORIZONTAL WALL DUCT (TYPICAL)

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

TYPICAL WALL DUCT

REMOVABLE DUCT COVER

FINISHED FLOOR

GROMMETED OPENING

REMOVABLE SECTION OF WALL DUCT COVER

REFER TO CHART FOR MINIMUM DIVIDER REQUIREMENT  
LOCAL CODES MAY REQUIRE ADDITIONAL DIVIDERS

ELECTRICAL DUCT

RUBBER GROMMET

COVER PLATE TO BE REMOVABLE

EQUAL

EQUAL

DUCT WIDTH

ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL SCREWS AS SHOWN

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  
HORIZONTAL WALL DUCT (TYPICAL)

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

TYPICAL WALL DUCT

REMOVABLE DUCT COVER

FINISHED FLOOR

GROMMETED OPENING

REMOVABLE SECTION OF WALL DUCT COVER

REFER TO CHART FOR MINIMUM DIVIDER REQUIREMENT  
LOCAL CODES MAY REQUIRE ADDITIONAL DIVIDERS

ELECTRICAL DUCT

COVER PLATE TO BE REMOVABLE

EQUAL

EQUAL

DUCT WIDTH

ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL SCREWS AS SHOWN

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  
POSITIONER INTERCONNECT DETAIL, UNDER FLOOR

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

THRU-FLOOR FITTING

ISOCENTER

4.5" [114mm]

WATER LINES

POSITIONER BASEPLATE

TABLE SIDE

WATER CABLE TROUGH OR CONDUIT

(FLOOR)

0.9" [23mm]

3.6" [91mm]

9" [228mm] DIA. OPENING THRU FLOOR.

6" [152mm] I.D. PIPE OR CONDUIT

4.0" [102mm]

12" x 12" x 6" BOX [305mm x 305mm x 152mm]

ELECTRICAL CABLE TROUGH OR CONDUIT

24" x 24" x 12" BOX [610mm x 610mm x 305mm]

PLAN VIEW THRU-FLOOR FITTING

0.9" [23mm]

OPENING FOR 6" [152mm] CONDUIT

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

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
INNOVA PLUS WITH BOX AND CONDUIT RUNS

ELEC-177  
REV. DATE: 05.JUN.13

18" X 18" X 6" PULL BOX ABOVE CEILING CONNECT TO VERT. DUCT

TO PDB1 (LOTO)

18" x 3 1/2" SURFACE WALL DUCT WITH MIN. 2 DIVIDERS

24" X 24" X 12" PULL BOX BELOW FLOOR CONNECT TO VERT. DUCT

FINISHED CEILING

EQUIP. RM.

EXAM RM.

CONTROL

TO 120-V POWER

TO POWER STRIP IN CONTROL

10" x 3 1/2" SURFACE WALL DUCT WITH MIN. 2 DIVIDERS

5" PULL BOX CONNECT

(2) 2 1/2" CND. (4 MON.)

(4) 2 1/2" CND. (6-8 MON.)

(1) 1/2" CND.

(1) 1/2" CND.

(1) 3" CND.

(1) 1/2" CND.

(17)

(18)

(13)

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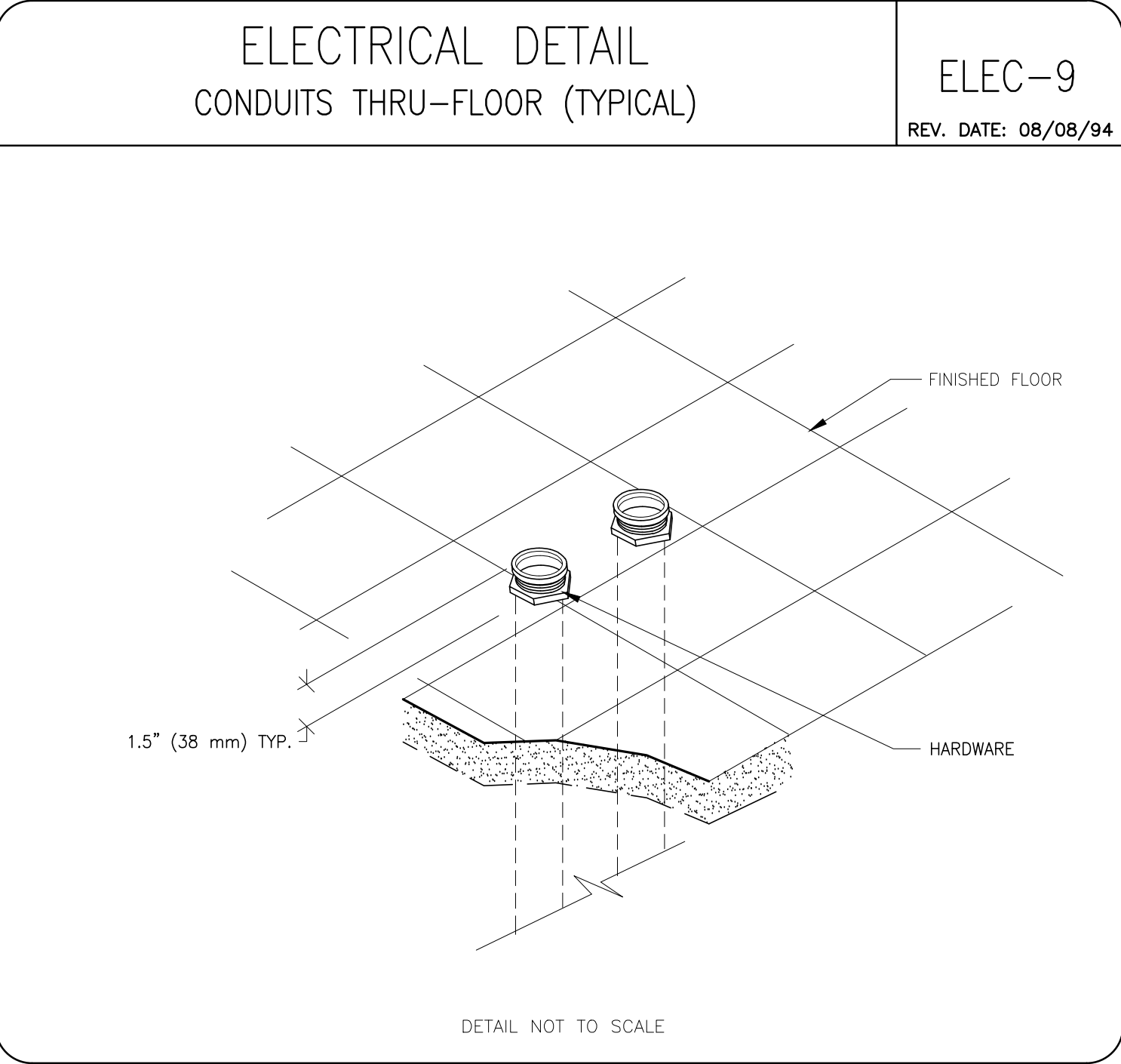
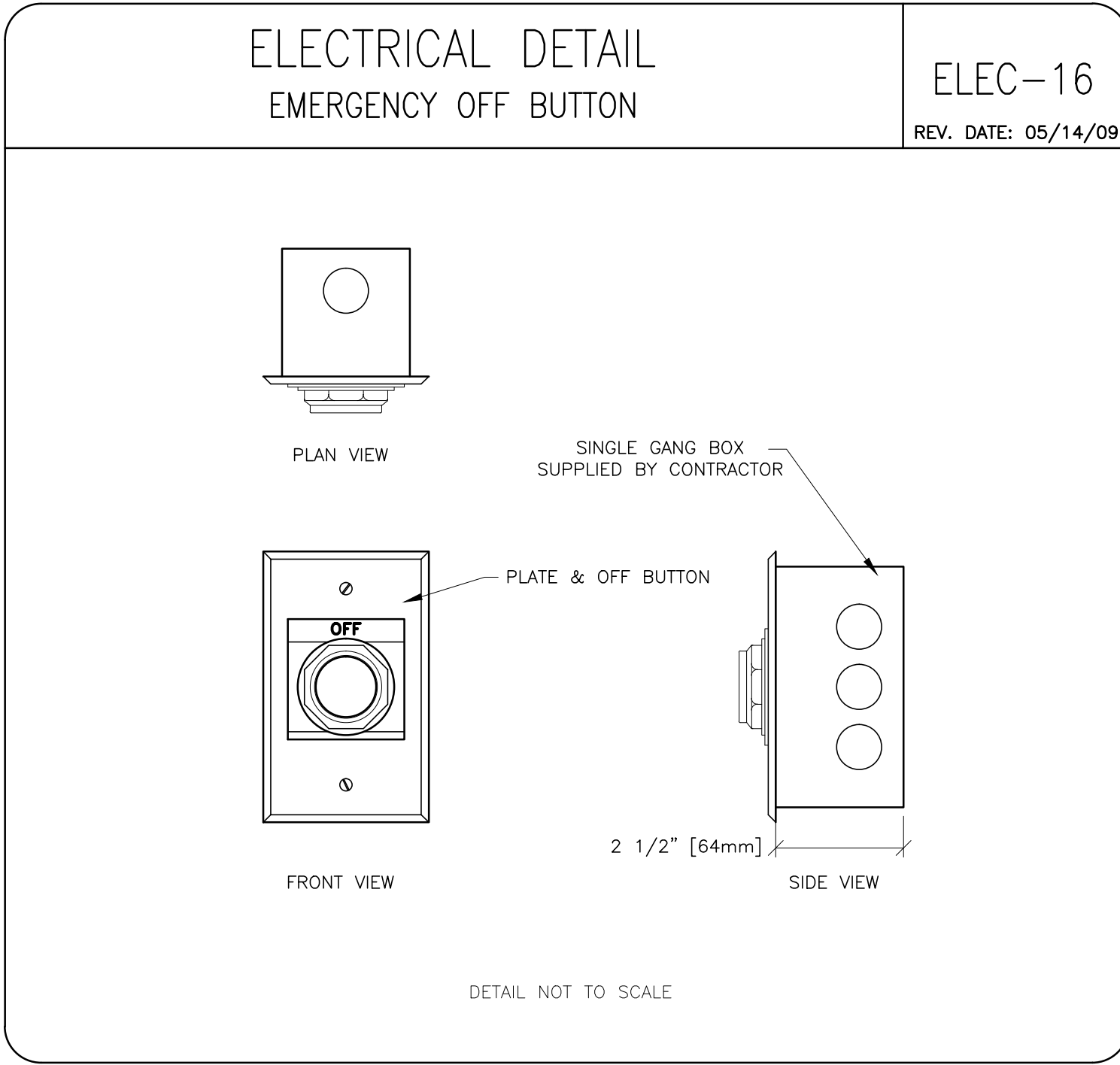
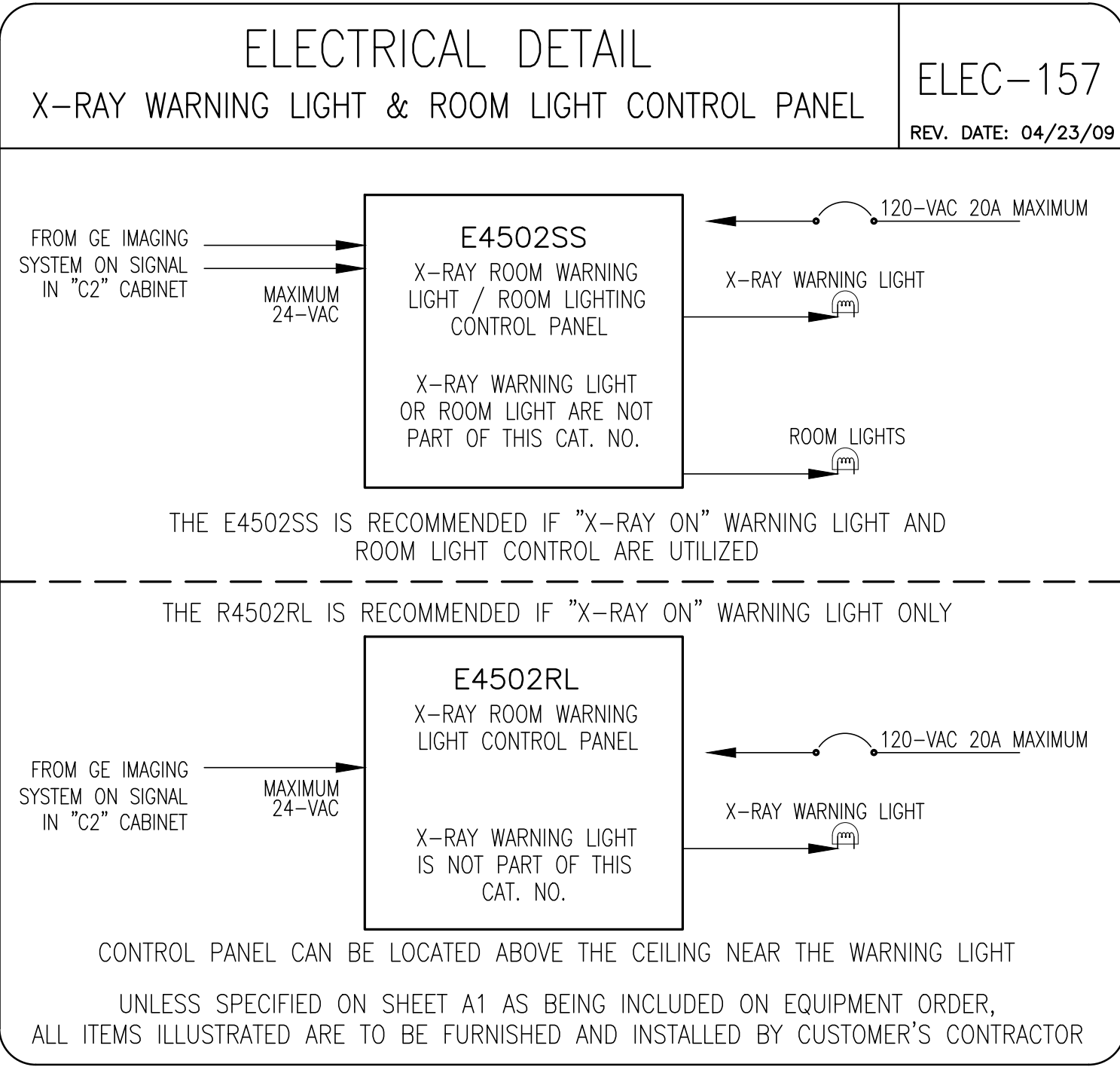
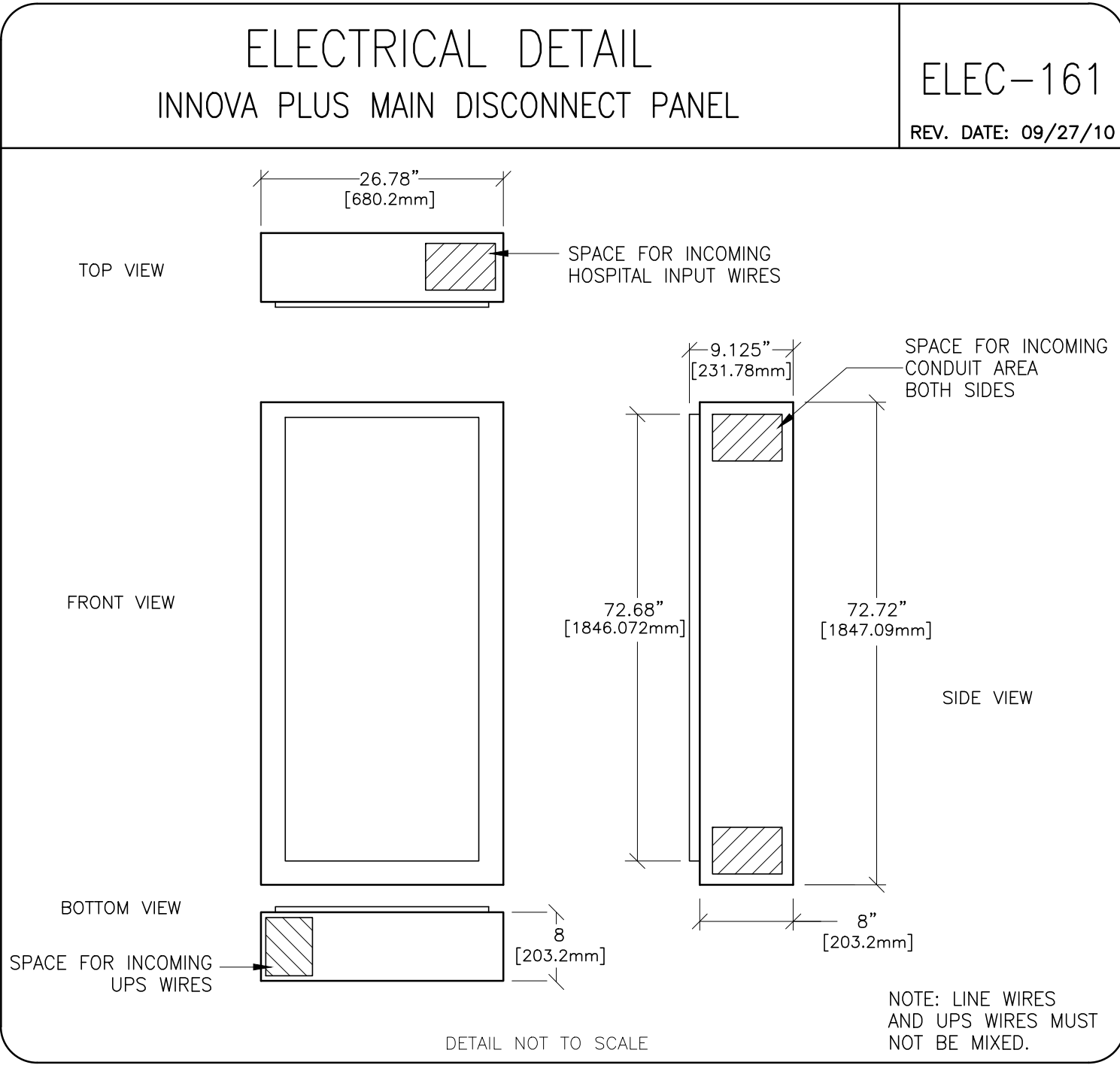
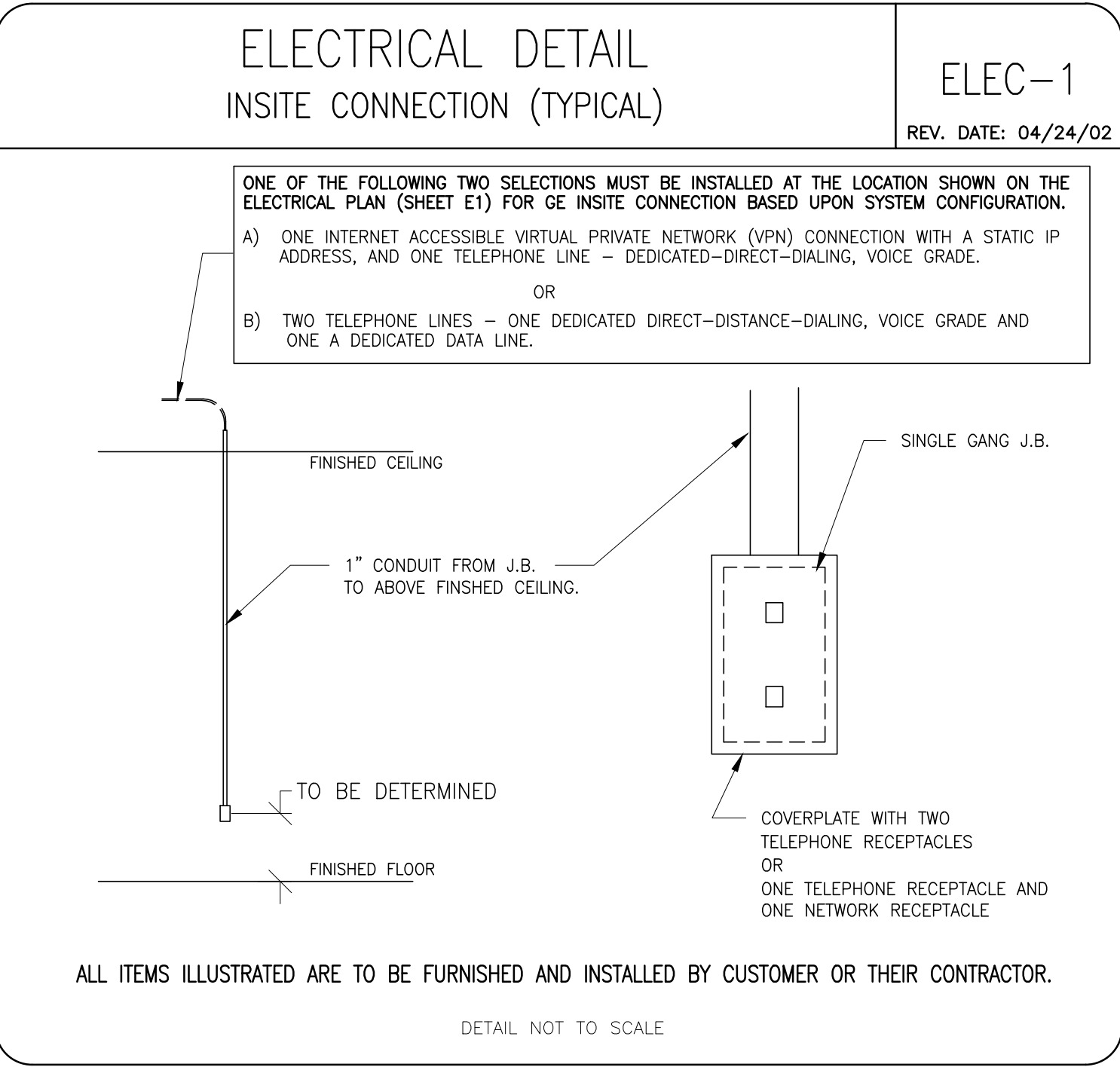
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imagination at work

GE Healthcare

Healthcare Project Implementation - Design Center Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL DETAILS

MODALITY TYPE: OPTIMA ICS 320-330

THIS PLAN IS SUBMITTED TO SUGGEST 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 EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE ALARM AND SIGNALING CODE, AND THE NATIONAL BUILDING CODE. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL RADIOLOGY - OPTIMA TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100f	00

DATE: 20.Nov.15  
DRAWN BY: SLR  
CHECKED BY: TST

REVISION HISTORY:

SHEET

E4

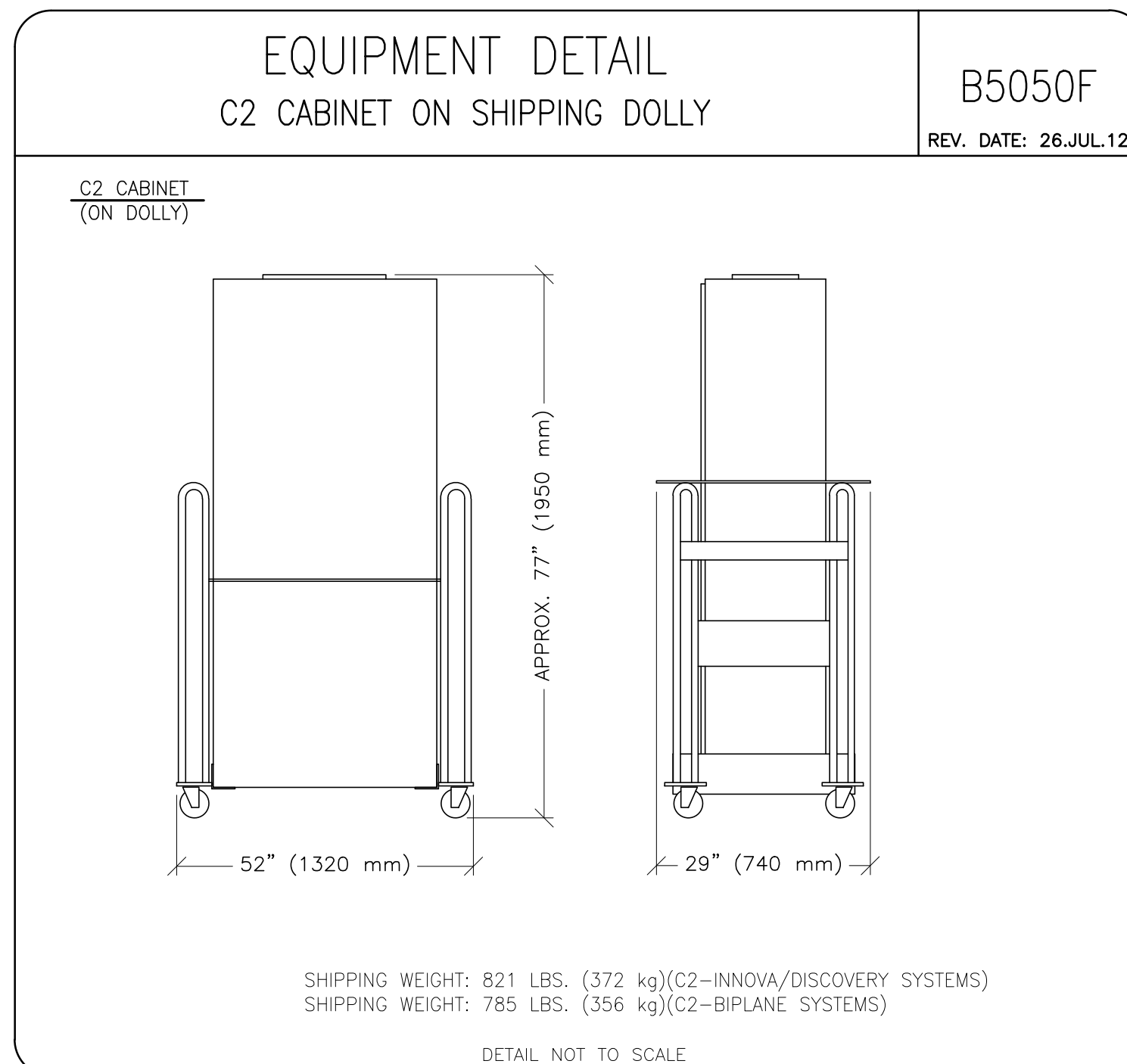
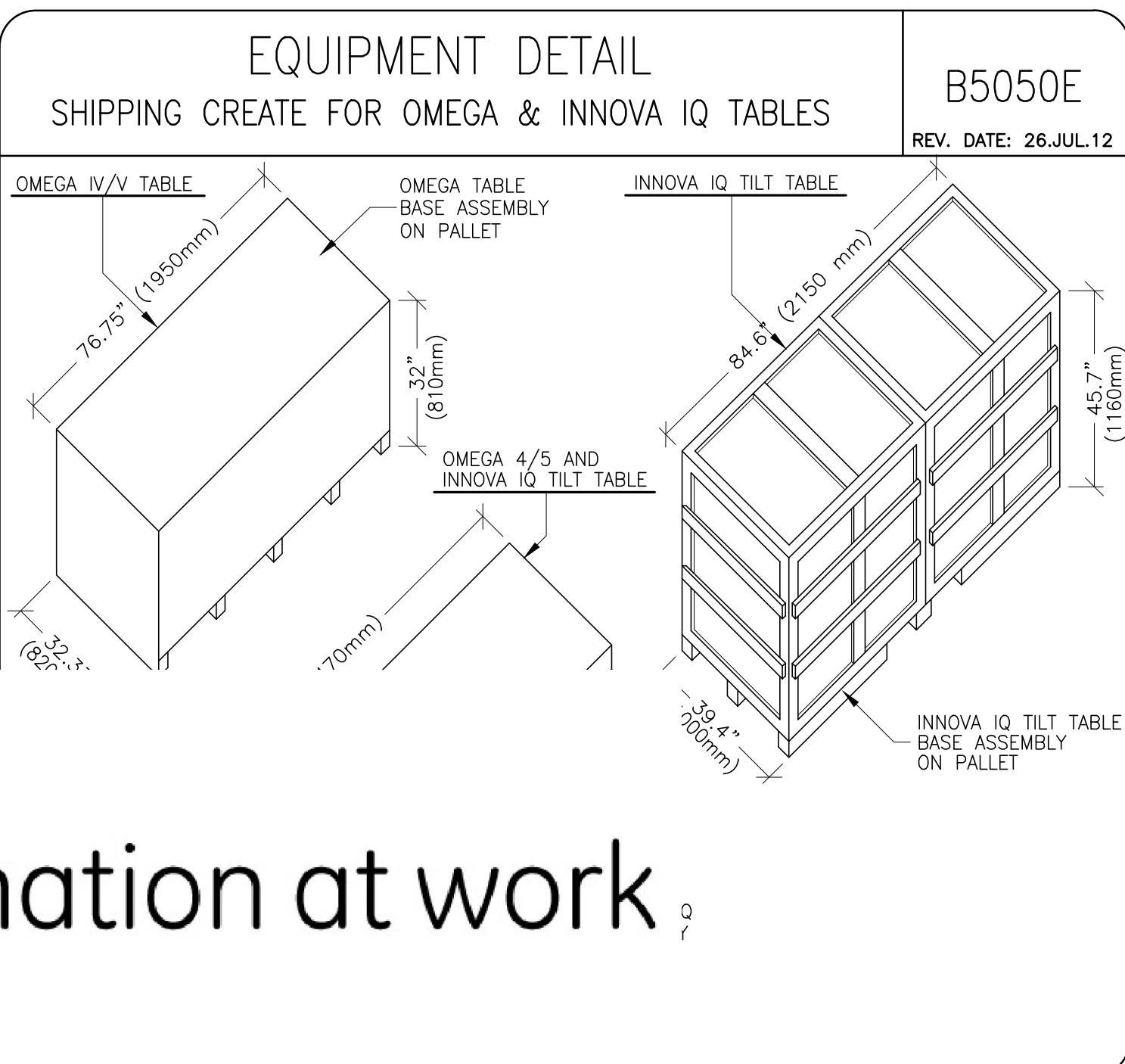
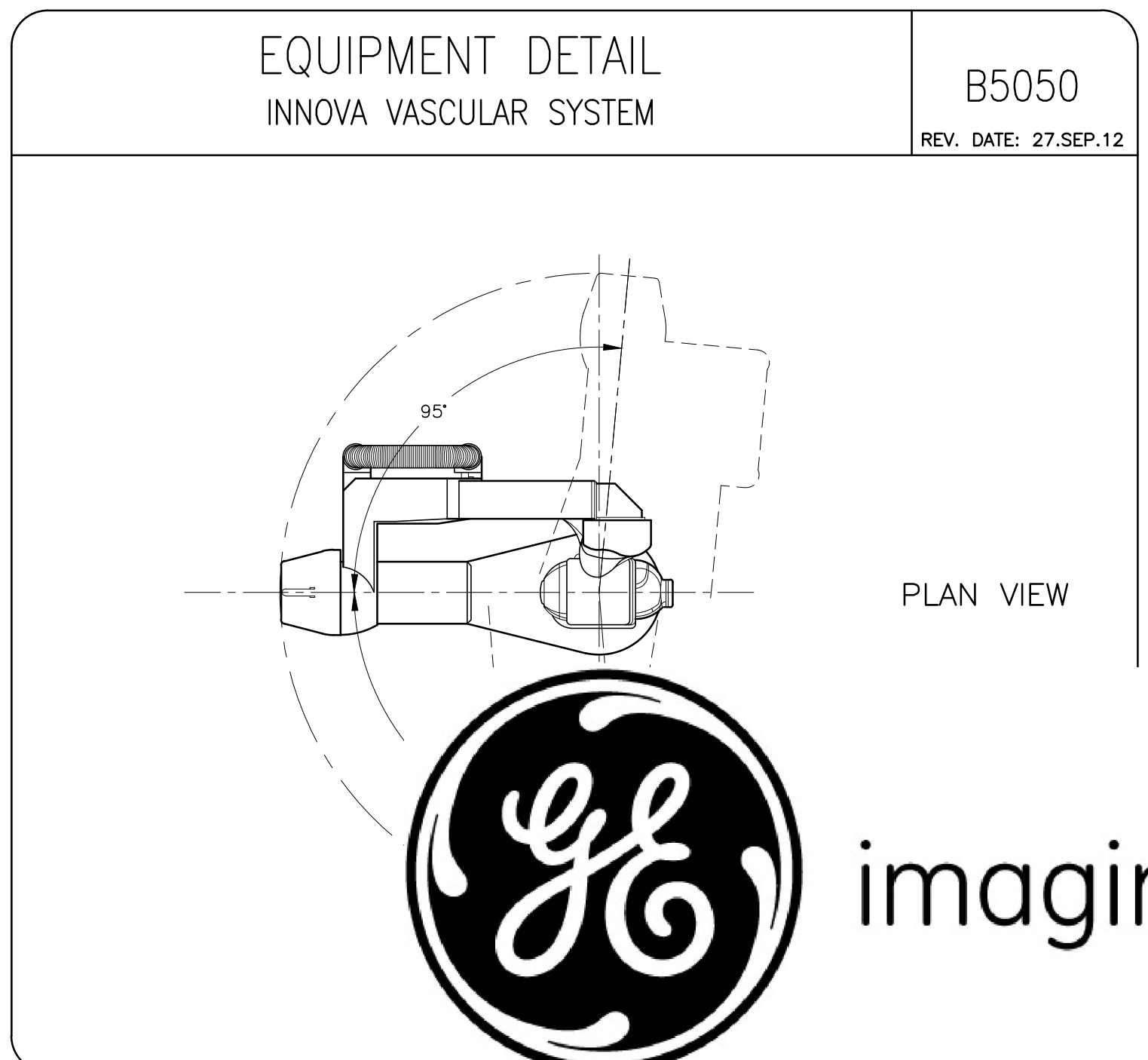
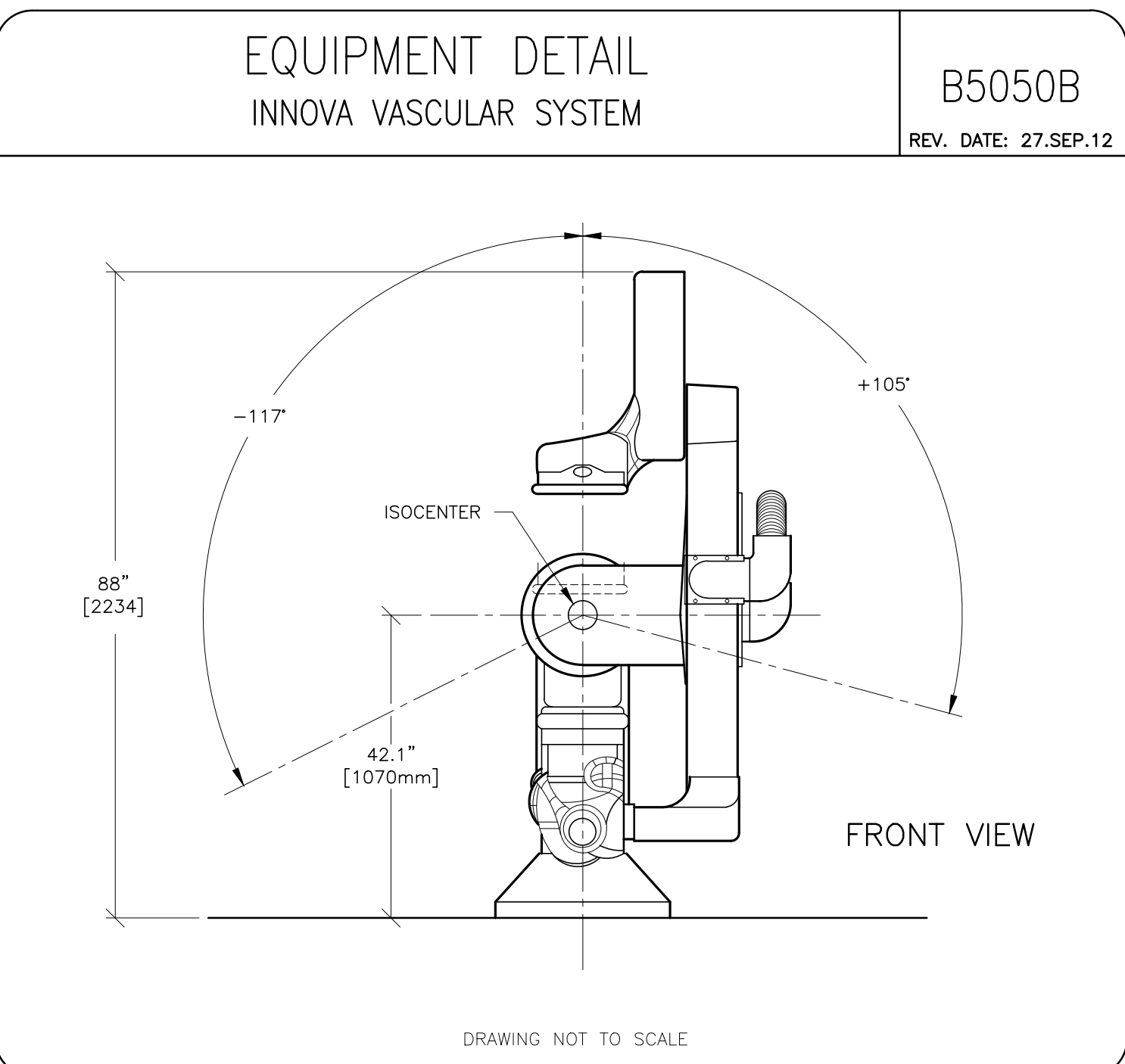
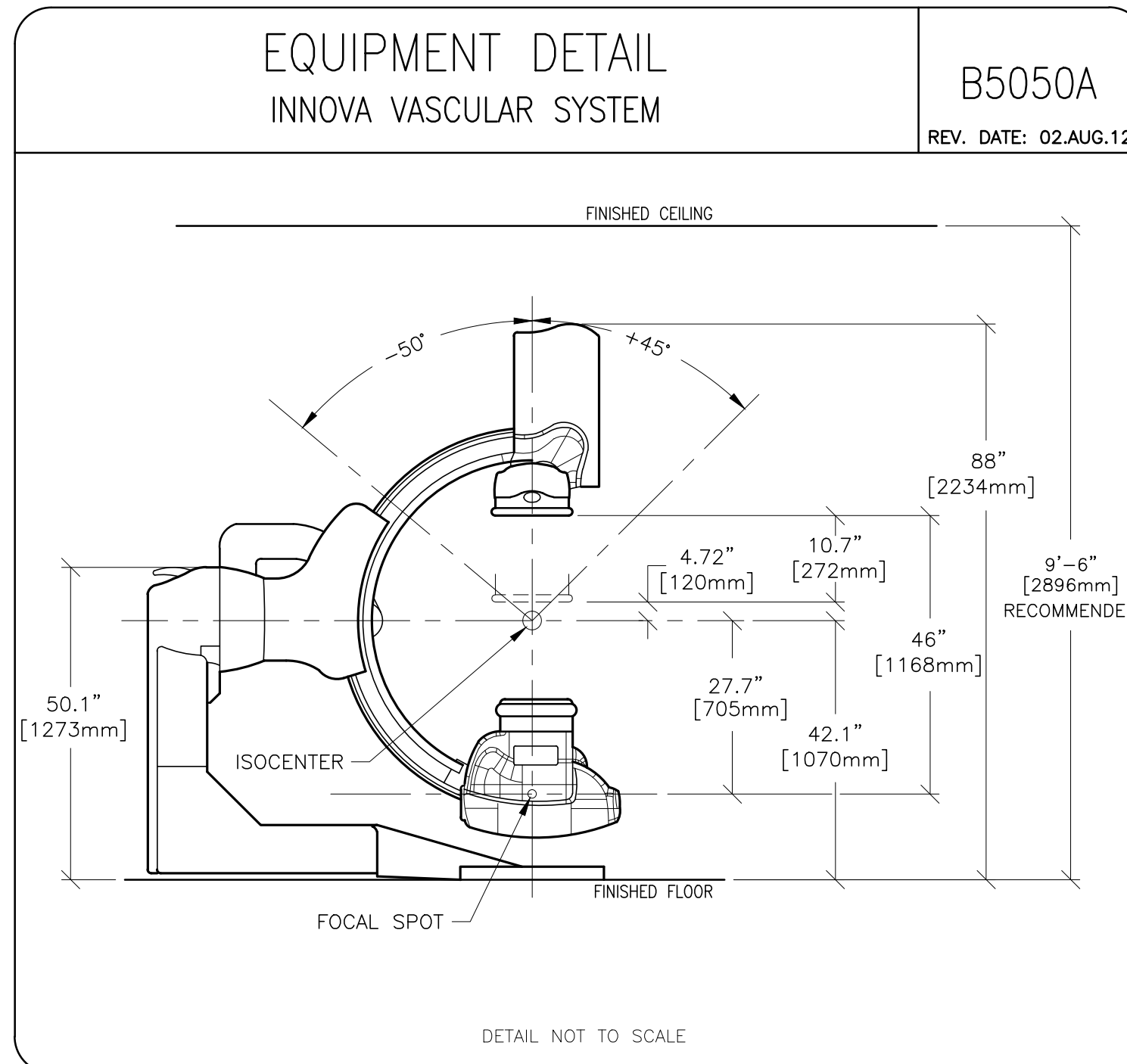
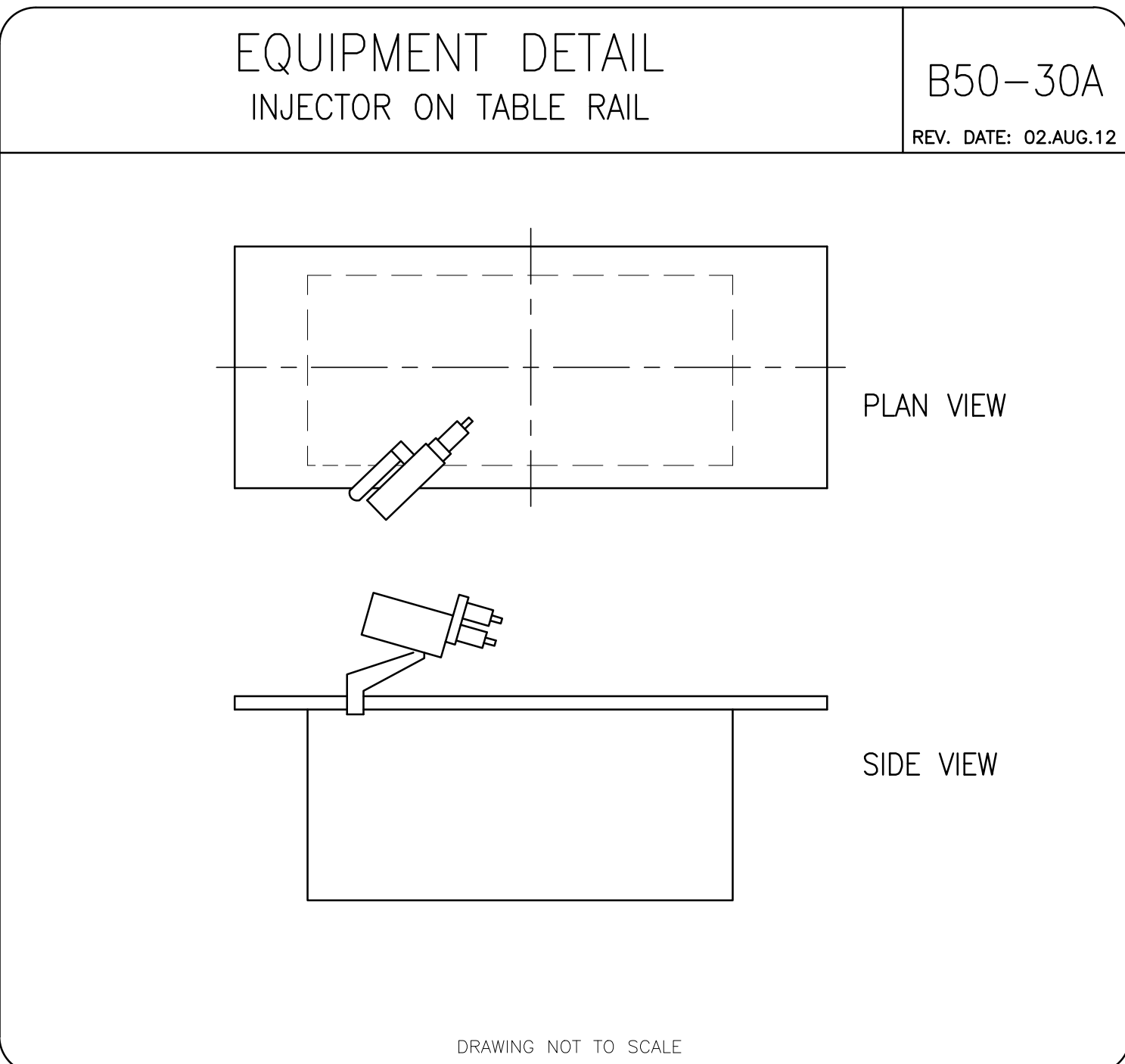
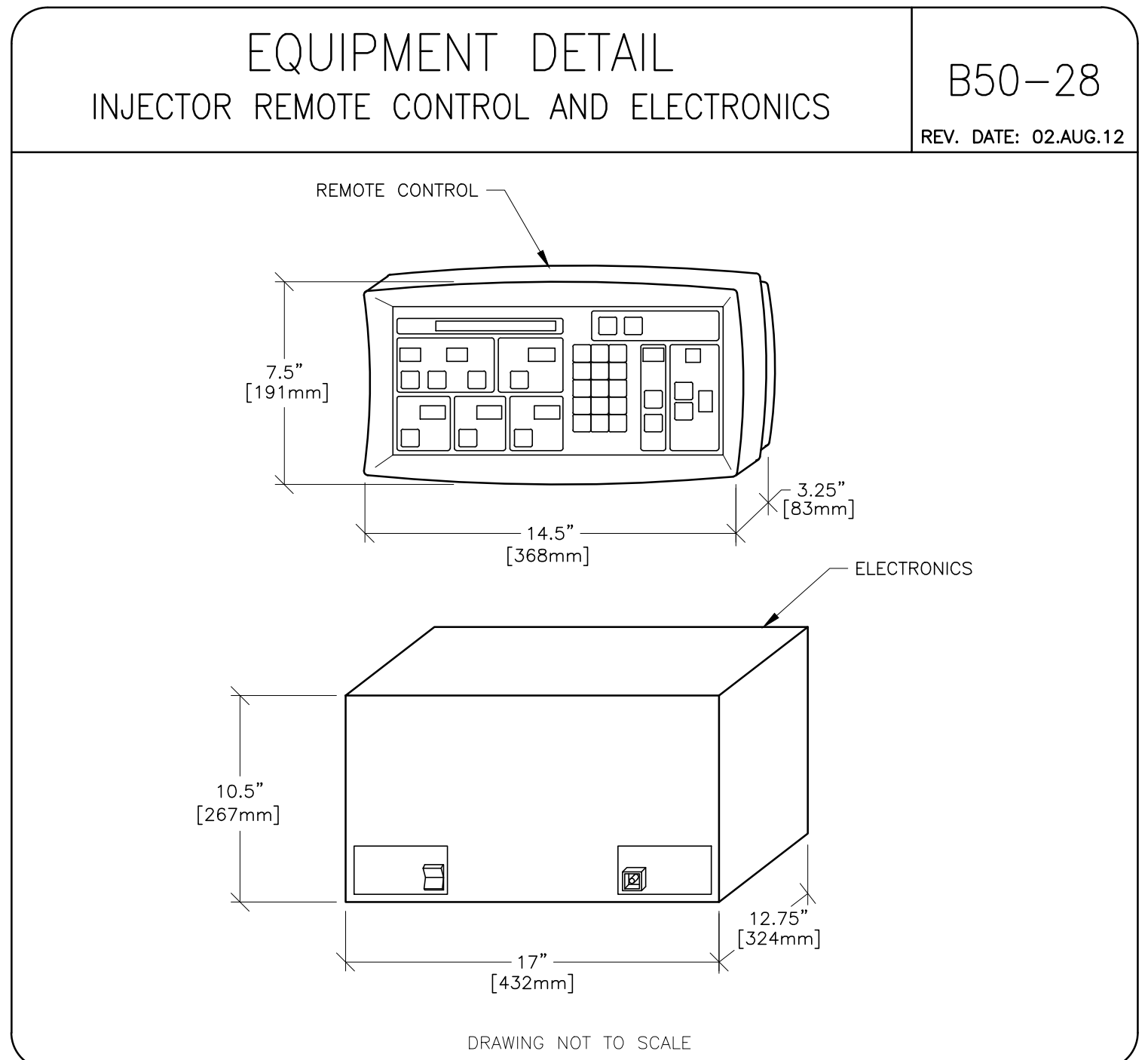
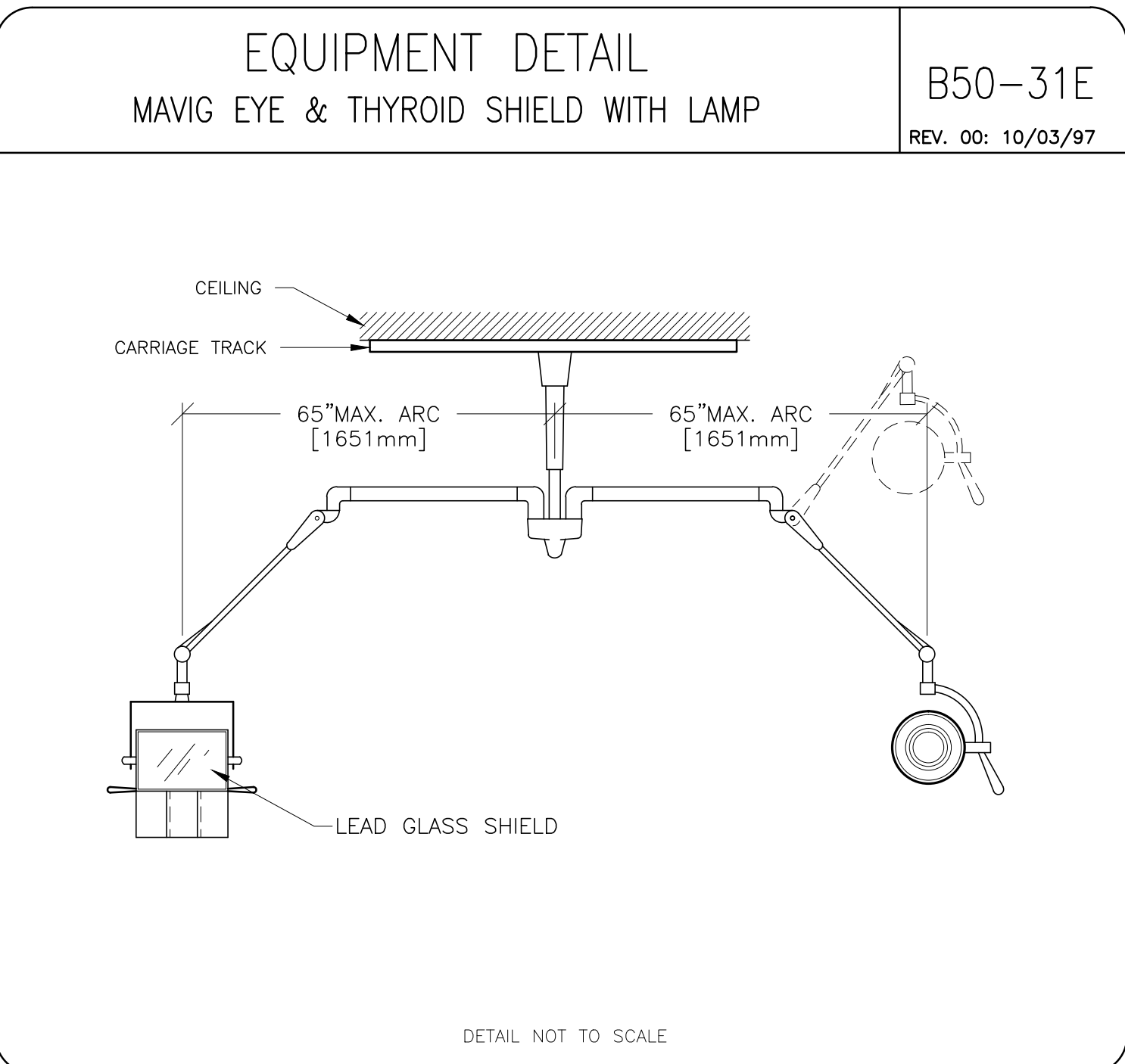
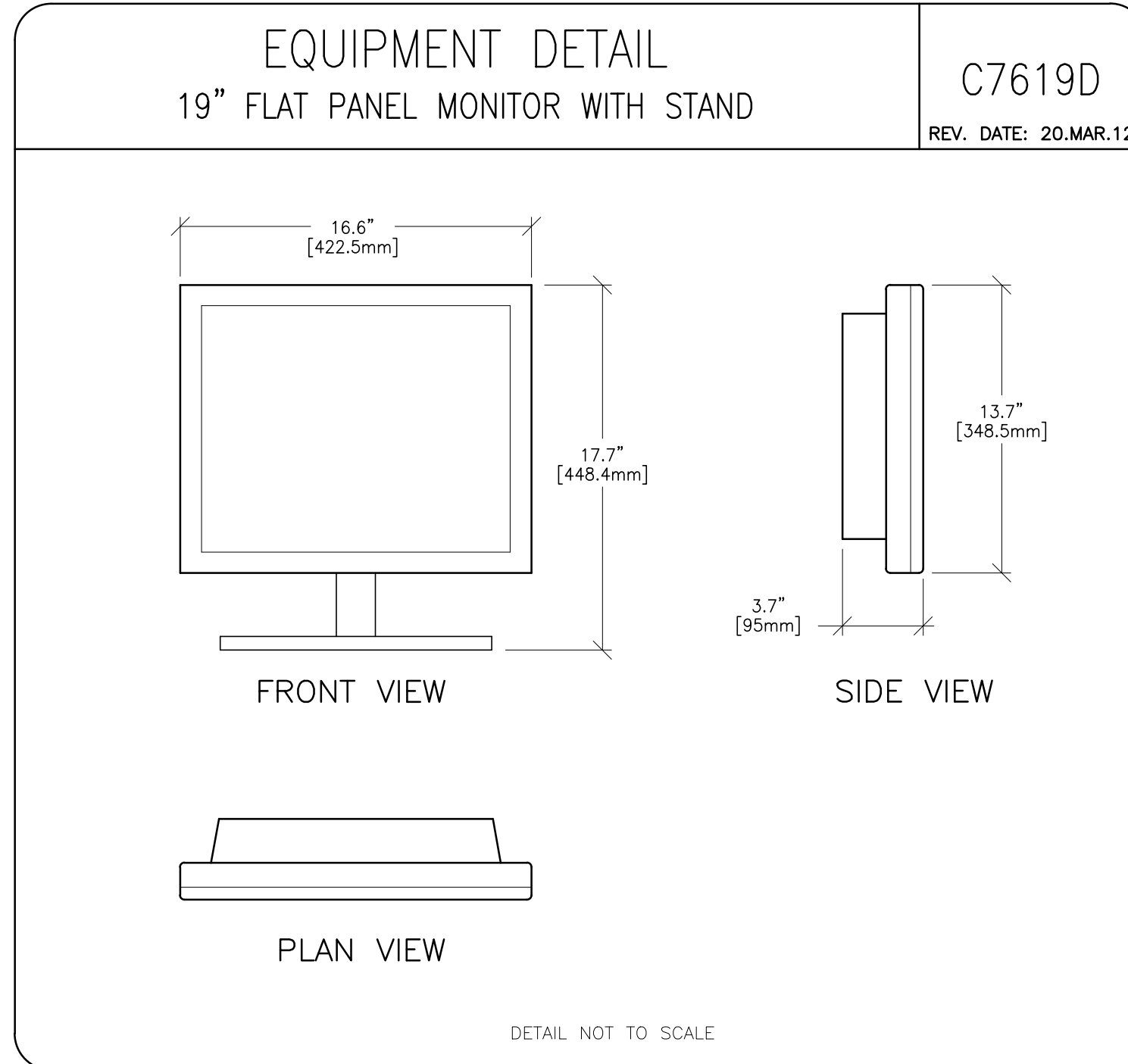
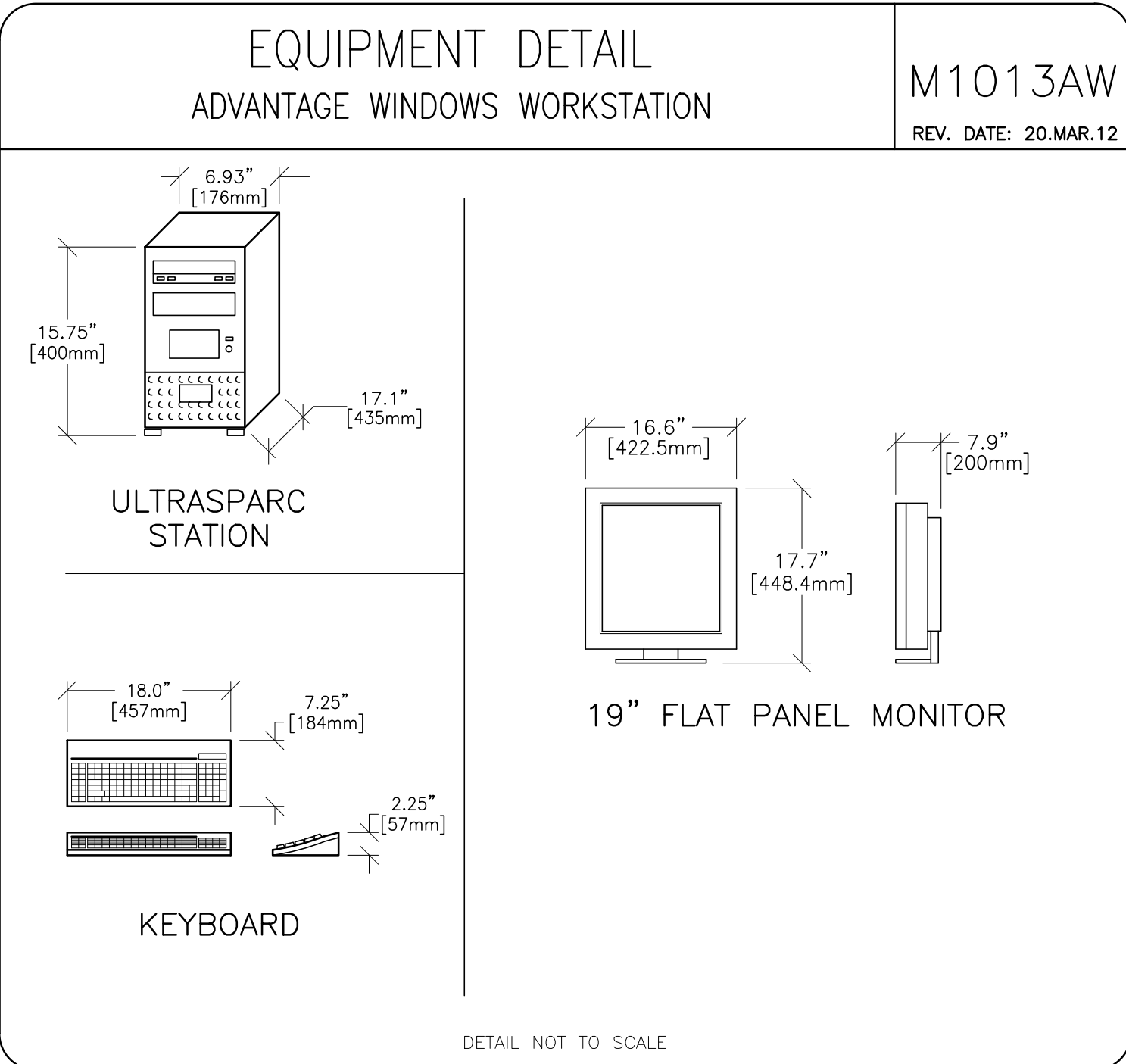
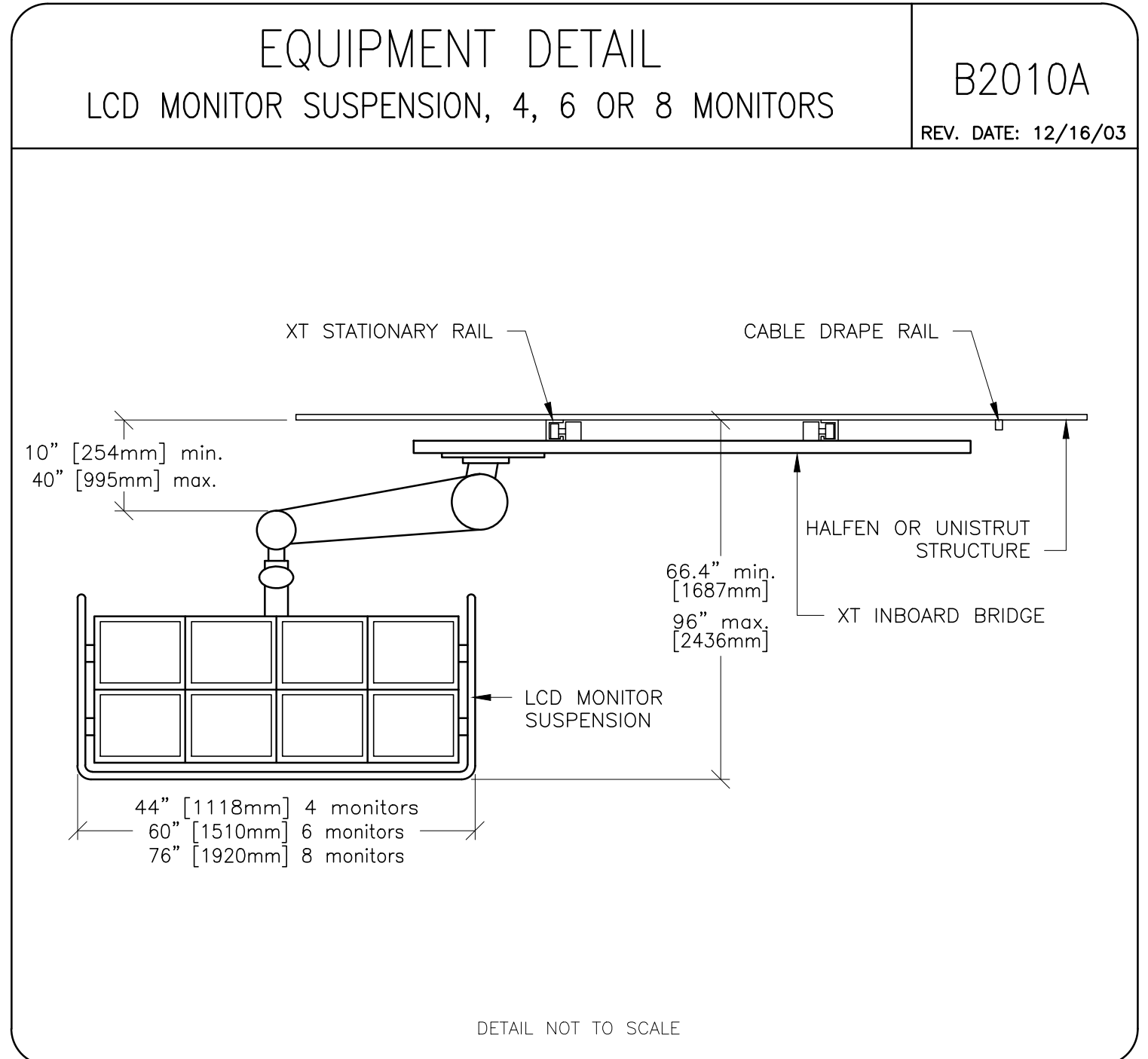
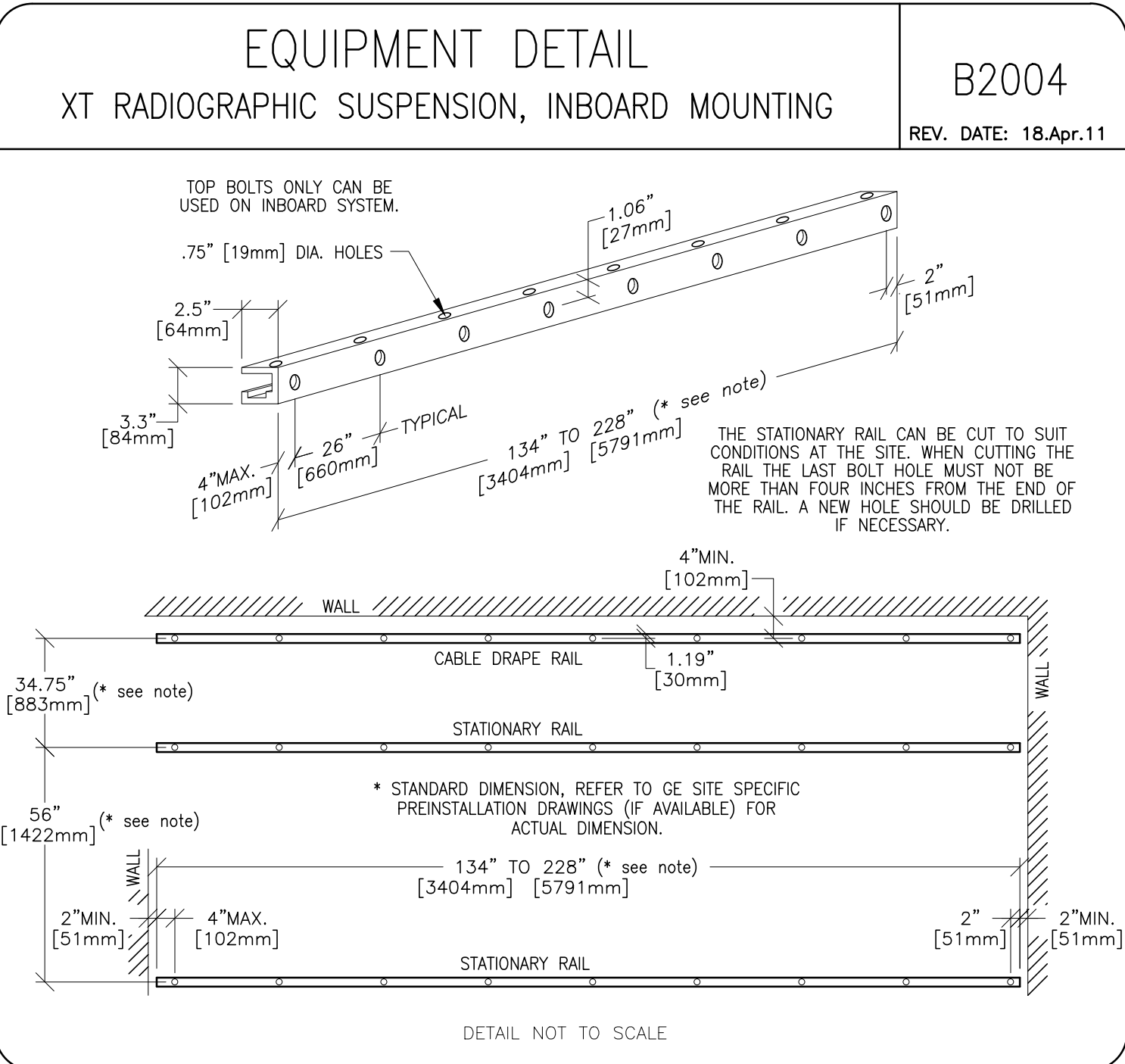
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RQ - 156428

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

472-303





GE Healthcare

Healthcare Project Implementation – Design Center

Healthcare Project Implementation – Design Center

Healthcare Project Implementation – Design Center

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: OPTIMA ICS 320-330

THIS PLAN IS SUBMITTED TO SUGGEST 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. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL RADIOLOGY – OPTIMA

TYPICAL FINAL LAYOUT

PROJECT

REVISION

4-100f

00

DATE: 20.Nov.15

DRAWN BY: SLR

CHECKED BY: TST

REVISION HISTORY:

SHEET

D1

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



EQUIPMENT DETAIL  
SHIPPING DOLLY FOR INNOVA LC POSITIONER

B5050G  
REV. DATE: 12/07/09

INNOVA LC POSITIONER  
(ON DOLLY)

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  
C1 & C3 CABINETS ON SHIPPING DOLLY

B5050H  
REV. DATE: 26.JUL.12

C1 & C3 CABINETS  
(ON DOLLY)

SHIPPING WEIGHT: 1277 lbs (579 kg) C1-INNOVA/Discovery 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

LP GANTRY  
LC GANTRY

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: 27.SEP.12

UNITS: RELATIVE AIR KERMA:  $\mu\text{Gy}/\mu\text{Gym}^2$   
DISTANCES: RADIUS AT 1, 2 AND 3 METERS

NOTE:  
FOR REFERENCE ONLY. PLEASE REFER TO OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

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

EQUIPMENT DETAIL  
INNOVA RADIATION SCATTER PLOTS

B5050R  
REV. DATE: 27.SEP.12

UNITS: RELATIVE AIR KERMA:  $\mu\text{Gy}/\mu\text{Gym}^2$   
DISTANCES: RADIUS AT 1, 2 AND 3 METERS

NOTE:  
FOR REFERENCE ONLY. PLEASE REFER TO OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

VERTICAL 1 METER  
VERTICAL 1.5 METERS

4-4-2 GANTRY IN VERTICAL 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

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

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)

PLAN VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
UPS INTERFACE BOX

E4502IB  
REV. DATE: 07/11/05

BOTTOM VIEW

PLAN VIEW

FRONT VIEW

FRONT VIEW (COVER OFF)

DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
SYSTEM CONTROL CABINET

B00015  
REV. DATE: 28.SEP.15

REAR CABLE ENTRANCE AIR-FLOW

SIDE CABLE ENTRANCE AIR-FLOW

WALL

SERVICE AREA

BOTTOM CABLE ENTRANCE

DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
INNOVA MAIN DISCONNECT PANEL

E4502M  
REV. DATE: 02.AUG.12

TOP VIEW

SIDE VIEW

FRONT VIEW

BOTTOM VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
DIGITAL ENERGY SG SERIES 10-20kVA UPS

E4502SG  
REV. DATE: 05/10/05

TOP VIEW

BOTTOM VIEW

FRONT VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
DETECTOR CONDITIONER

B5049F  
REV. DATE: 02.AUG.12

PLAN VIEW

SIDE 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



imagination at work



EQUIPMENT DETAIL

COOLIX 4100 CHILLER AND AUTOTRANSFORMER

B-IGS04

REV. DATE: 12.Mar.12

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

COOLIX 4100 CHILLER AUTOTRANSFORMER

B-IGS05

REV. DATE: 12.Mar.12

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

DL KEYPAD

C7412H

REV. DATE: 02.AUG.12

DETAIL NOT TO SCALE

TYPICAL CONTROL ROOM

SINGLE PLANE SYSTEM

B5050C

REV. DATE: 02.AUG.12

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

RCIM WITH DL KEYBOARD CONSOLE

C75-02

REV. DATE: 10/25/10

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

VITALINQ COMMUNICATION AND MUSIC SYSTEM  
(SHOWING PYRAMD MICROPHONE)

B870K

REV. DATE: 13.May.15

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

TRAM-RAC 4A

B5047

REV. DATE: 05/26/04

DETAIL NOT TO SCALE

EQUIPMENT DETAIL

XR-BUZZER BRACKET

B5150H

REV. 00: 10/30/08

DETAIL NOT TO SCALE



imagination at work

GE Healthcare

Healthcare Project Implementation – Design Center

Minneapolis, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: OPTIMA ICS 320-330

THIS PLAN IS SUBMITTED TO SUGGEST 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 EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION CONSTRUCTION SPECIFICATIONS, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

INTERVENTIONAL RADIOLOGY – OPTIMA

TYPICAL FINAL LAYOUT

PROJECT	REVISION
4-100F	00
DATE:	20.Nov.15
DRAWN BY:	SLR
CHECKED BY:	TST

REVISION HISTORY:

SHEET

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