

Drawing Index

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

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

These equipment installation 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 installation and operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

* REQUIRED REFERENCE *

Innova 3100-4100
Preinstallation Manual
5160944

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

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

<http://www.gehealthcare.com/company/docs/siteplanning.html>

GE Healthcare



Cardio-Vascular
Site Planning



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

Items 1 through 8 on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the installation site. Equipment will not be delivered if these requirements are not satisfied.

GE Healthcare Site Readiness Checklist

GEHC Global Order # : _____

Customer: _____

GEHC On-site Representative : _____

MI Supplier: _____

Name of customer reviewed with : _____

Lead Installer: _____

GEHC PMI : _____

Phone Number: _____

Target Site Prep Completion Date: _____

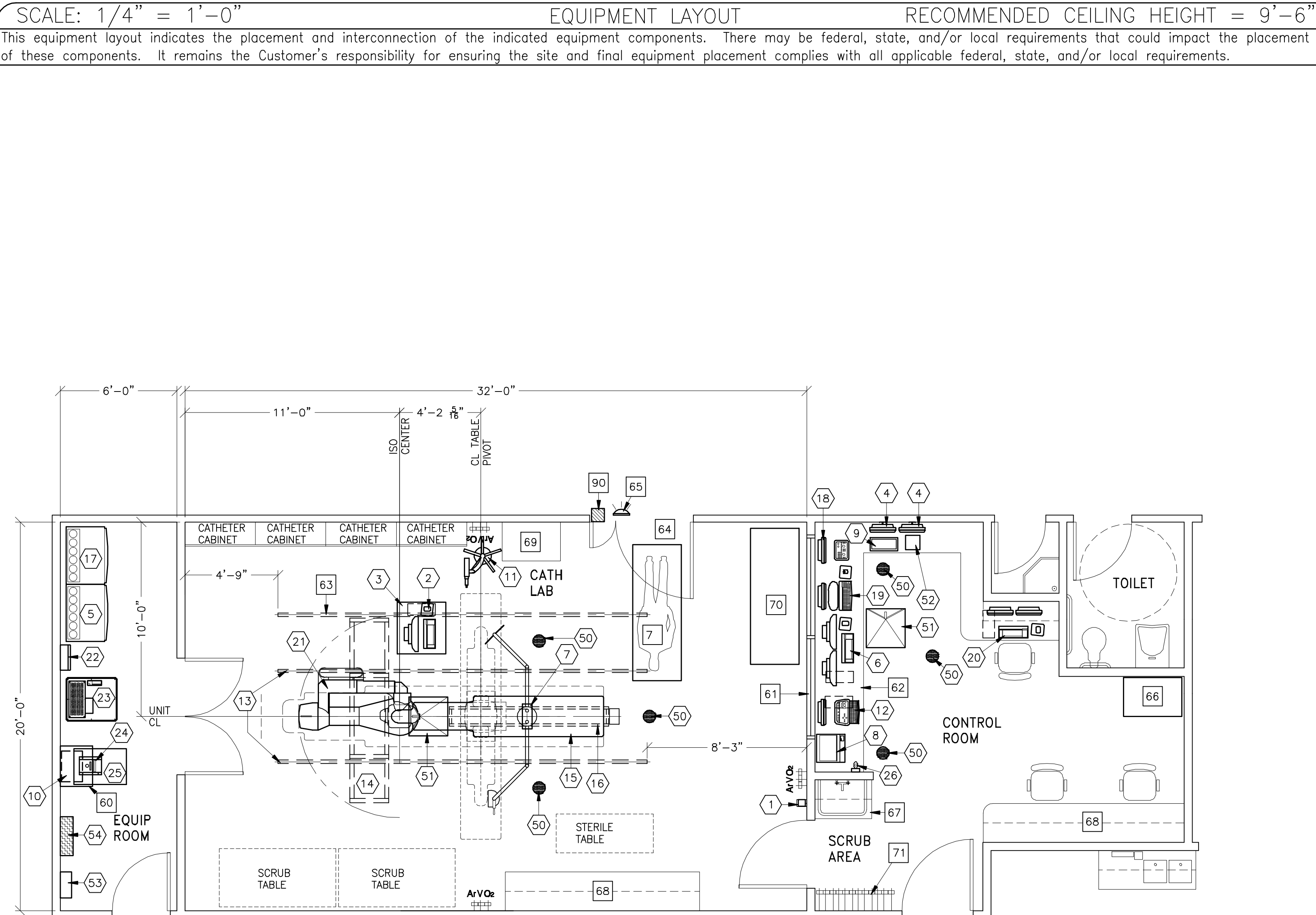
Helper: _____

The customer is responsible for proper site preparation and site readiness regardless of any GEHC inspections/assessments.

Item #	Inspection Date	Storage: Is item ready?	Predict (Pre-ship) Is this item ready?	Verify (Delivery): Is item ready?	Validate (Mech Install): Is item ready?	Comments If "N", please enter in comments or action plan
1	Equipment installation drawings must match actual room size and must meet clearance requirements. Deviations that meet installation requirements may be red-lined, if red-lining is allowed by local code. Seismic requirements are identified on construction drawings.					
2	Delivery route to installation or storage area meets requirements and has been discussed and scheduled with the customer. Ensure floor protection is discussed, requirements identified, and will be available at time of delivery and installation.					
3	Rooms that will contain equipment, including storage areas, are dust free. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility.					
4	In room HVAC ductwork and units (in room) must be mechanically installed and dust free. Installation rooms appear to meet environmental conditions (see Further Definition) and observed issues have been communicated to the customer. If being stored, storage area must meet PIM storage criteria.					
5	Ceiling grid is installed, Unistrut is located per the installation drawings, and permanent lighting is installed and operational.					
6	Floor is clean and prepared for final floor covering. Customer has verified floor leveling meets the equipment installation drawings and PIM specs and no visible defects are observed. Gantry and table baseplate are installed prior to delivery (if applicable)					
7	Access to a working phone at the facility for emergency use, including MR magnet delivery.					
8	All walls primed (final coat not needed on Day 1), and counter tops that will support equipment must be installed. No dust-producing cabinetry work in installation areas.					
9	Mechanical supplier has been provided with a set of equipment installation drawings for reference. For California, permitted construction drawings or PIM-specified installation drawings are required.					
10	Conduit/electrical cable ducting/dividers/ access flooring installed with the exception of surface mounted floor ducting. Wiring to the main disconnect panel is installed and compliant with equipment installation drawings or pre-installation manual.					

Issued Date: 7/9/07 Rev 11

GE EQUIPMENT LISTING							EQUIPMENT CROSS REFERENCE CHART		
EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR CON WAS ISSUED AT THE DATE OF THESE DRAWINGS							P = PREAPPROVAL SEISMIC C = CALCULATIONS/ STATUS PENDING APPROVAL S = SPECIFICATIONS ONLY		
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		XR BUZZER (LOCATED ABOVE CEILING)	2 lbs		B5150H	-	XR B	-
2	1		NURSE WORKSTATION	46 lbs	682 btu		---		S
3	1		WORKSTATION CART						-
4	2		18 in. MONITOR ON WALL SUPPORT	26 lbs	204 btu	C7617B	S18	WBM2	C
5	1		ATLAS CABINET (C1)	998 lbs	3389 btu	B0558C	S100	C1	C
6	1		MAC LAB CONSOLE, INCLUDES MONITORS AND KEYBOARD	181 lbs	2935 btu		---	PC	S
7	1		TRAM NET RACK	8 lbs		B5047	---	TRAM	S
8	1		COLOR PRINTER		1054 btu		---		S
9	1		REMOTE CONTROL FOR INJECTOR	4 lbs		B5028		IEC	S
10	1		INJECTOR ELECTRONICS	37 lbs	320 btu	B5028	---	IE	S
11	1		INJECTOR HEAD ON PEDESTAL	44 lbs		B5031H		IH	-
12	1		IVUS VOLCANO SS1 CONSOLE, INCLUDES FLAT PANEL MONITOR AND KEYBOARD (DESK MOUNTED)	68 lbs	1631 btu	B551	-	IVUS	-
13	2		LONGITUDINAL STATIONARY RAIL FOR XT SUSPENSION	68 lbs				B2004 B2010A	C
14	1		SIX LCD MONITOR SUSPENSION ON 9 ft. 6 in. XT INBOARD BRIDGE	557 lbs	1228 btu	B2004 B2010A	---	WBM1	C
15	1		OMEGA IV/V TABLE WITH ROTATING TOP	1750 lbs	600 btu			B5049N B5031F	LUS
16	1		COUNTERBALANCED EYE AND THYROID SHIELD WITH LAMP	143 lbs		B5031E		B5031F	LMP
17	1		ATLAS CABINET (C2)	568 lbs	1825 btu	B0558C	S100	C2	S
18	1		CONTROL ROOM MONITOR WITH DL KEYPAD	19 lbs	204 btu	C7412H C7617	---		S
19	1		OPERATORS CONSOLE	22 lbs	546 btu	C7617 C7502 B5056C	---	WBC1	C
20	1		AW WORKSTATION	81 lbs	1201 btu	M1013AW C7617	---		C
21	1		INNOVA POSITIONER (REFERENCE TABLE BASE-PLATE DETAIL FOR FLOOR MOUNTING INFORMATION)	1653 lbs	2416 btu	B5050A B5050B B5050C	---	LC1	C
22	1		UPS INTERFACE BOX			E45021B	-	UIB	-
23	1		UPS CABINET	1170 lbs	4050 btu	E4502SG	---	UPS	-
24	1		DETECTOR CHILLER	33 lbs	706 btu	B5049F	---	DC	S
25	1		WATER CHILLER	449 lbs	18716 btu	M0917B	---	CHLR	-
26	1		BOLUS CHASE HANDSWITCH	2 lbs			---	WBBC	-
THE FOLLOWING ITEMS, WHICH HAVE BEEN ORDERED FROM GE HEALTHCARE, ARE TO BE INSTALLED BY THE CUSTOMER OR HIS CONTRACTOR.									
60	6		VITALINO SPEAKER				.		-
61	2		VITALINO MICROPHONE				.		-
62	1		VITALINO CONSOLE			B0566	.		-
63	1		FILTER ENCLOSURE	90 lbs		S1875PC	.	FE	-
64	1		INNOVA MAIN DISCONNECT, REFERENCE JUNCTION POINT "A" ON SHEET E1 FOR DETAILED DESCRIPTION.	275 lbs	1532 btu	E4502AB	-	A	-



ANCILLARY ITEMS	
CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS	
ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	SHELF - CUSTOMER TO PROVIDE ADEQUATE WALL SUPPORT
61	CONTROL WALL TO CEILING WITH LEAD GLASS VIEWING WINDOW
62	COUNTER TOP FOR EQUIPMENT- SHELVING MAY BE REQUIRED PROVIDE GROMMETED OPENING AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
63	CABLE DRAPE RAIL
64	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W X 89 IN. H (1118mm X 2108mm). CONTINGENT ON A 96 IN. (2438mm) CORRIDOR WIDTH
65	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABWV-DF-XIU
66	CUSTOMER SUPPLIED STORAGE CABINET
67	SCRUB SINK
68	COUNTERTOP WITH BASE AND WALL CABINETS
69	COUNTERTOP AND BASE CABINETS
70	PATIENT STRETCHER
71	LEAD APRON RACK
THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.	
80	X-RAY ROOM WARNING LIGHT/ROOM LIGHTING CONTROL PANEL REFERENCE JUNCTION POINT "XRLC" ON SHEET E1 FOR DETAILED DESCRIPTION. CAT. NO. E4502SS FOR WARNING LIGHT & ROOM LIGHT CONTROL.
GENERAL SPECIFICATIONS	
<ul style="list-style-type: none">THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEHC INSTALLATION 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 INSTALLATION. 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	
<ul style="list-style-type: none">EQUIPMENT ROOM AMBIENT OPERATING TEMPERATURE: 55 TO 75 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR, WITH 20% - 75% HUMIDITY.EXAM ROOM AMBIENT OPERATING TEMPERATURE: 55 TO 75 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR; HUMIDITY: 10% - 70%CONTROL ROOM AMBIENT OPERATING TEMPERATURE: 59 TO 75 DEGREES (F). MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 15 DEGREES (F)/HOUR, HUMIDITY: 30% - 80%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	
<p>IMAGE INTENSIFIERS 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>	

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

GE Healthcare Technologies

Installation Services Design Center

Wisconsin

Milwaukee

SHEET TITLE: EQUIPMENT LAYOUT

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT. IT IS NOT TO BE USED FOR CONSTRUCTION. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR CONSTRUCTION. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

CATH LAB

TYPICAL FINAL LAYOUT

PROJECT	REVISION
CATH LAB	01

DATE: 10-30-08

DRAWN BY: LLM

CHECKED BY: TST

REVISION HISTORY:

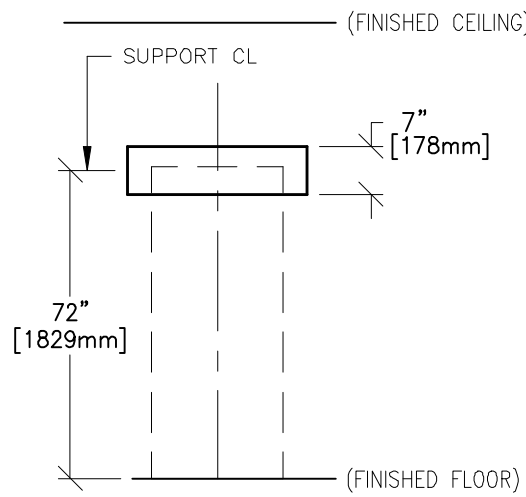
SHEET

A1

NSH-1002

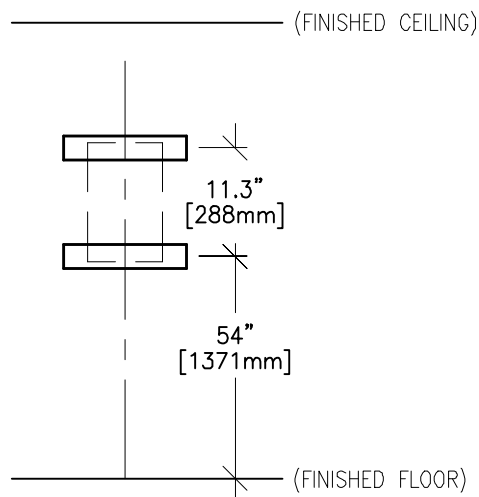
TYPICAL WALL SUPPORT ELEVATIONS

S100



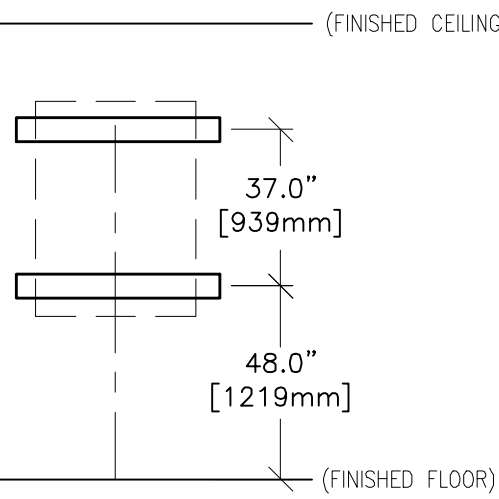
SUPPORT FOR
ATLAS/SYSTEMS CABINET
(NOT TO SCALE)

S115



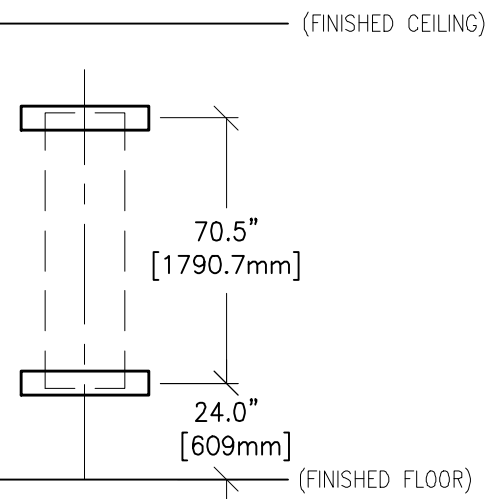
SUPPORT FOR
UPS INTERFACE BOX
(NOT TO SCALE)

S118



SUPPORT FOR
INNOVA FILTER ENCLOSURE
(NOT TO SCALE)

S119

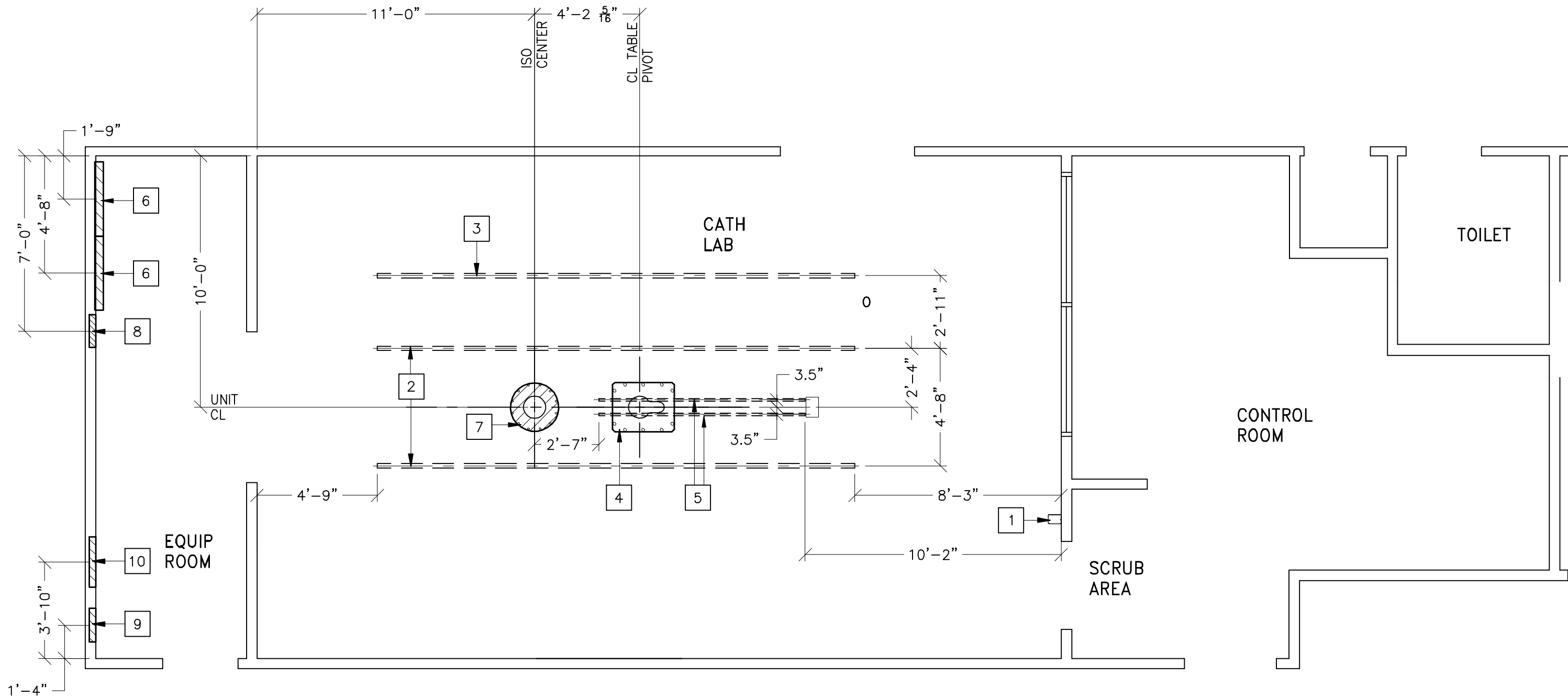


SUPPORT FOR
MAIN DISCONNECT CONTROL
(NOT TO SCALE)

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

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-6"



STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	MOUNT XR BUZZER BRACKET ON WALL, ABOVE CEILING.
2	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.
4	AREA OCCUPIED BY GE SUPPLIED TABLE BASEPLATE
5	UNISTRUT OR EQUIVALENT SUPPORTS FOR FASTENING THE OVERHEAD COUNTERSINKED 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.
6	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S100, FOR ATLAS CABINET.
7	AREA OCCUPIED BY GE SUPPLIED POSITIONER BASEPLATE
8	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S115, FOR UPS INTERFACE BOX.
9	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S118, FOR FILTER ENCLOSURE.
10	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S119, FOR MAIN DISCONNECT CONTROL.

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.

SHEET TITLE: STRUCTURAL LAYOUT

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT. IT IS NOT TO BE USED FOR CONSTRUCTION. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

CATH LAB

TYPICAL FINAL LAYOUT

PROJECT TITLE:

PROJECT	REVISION
CATH LAB	01
DATE:	10-30-08
DRAWN BY:	LLM
CHECKED BY:	TST

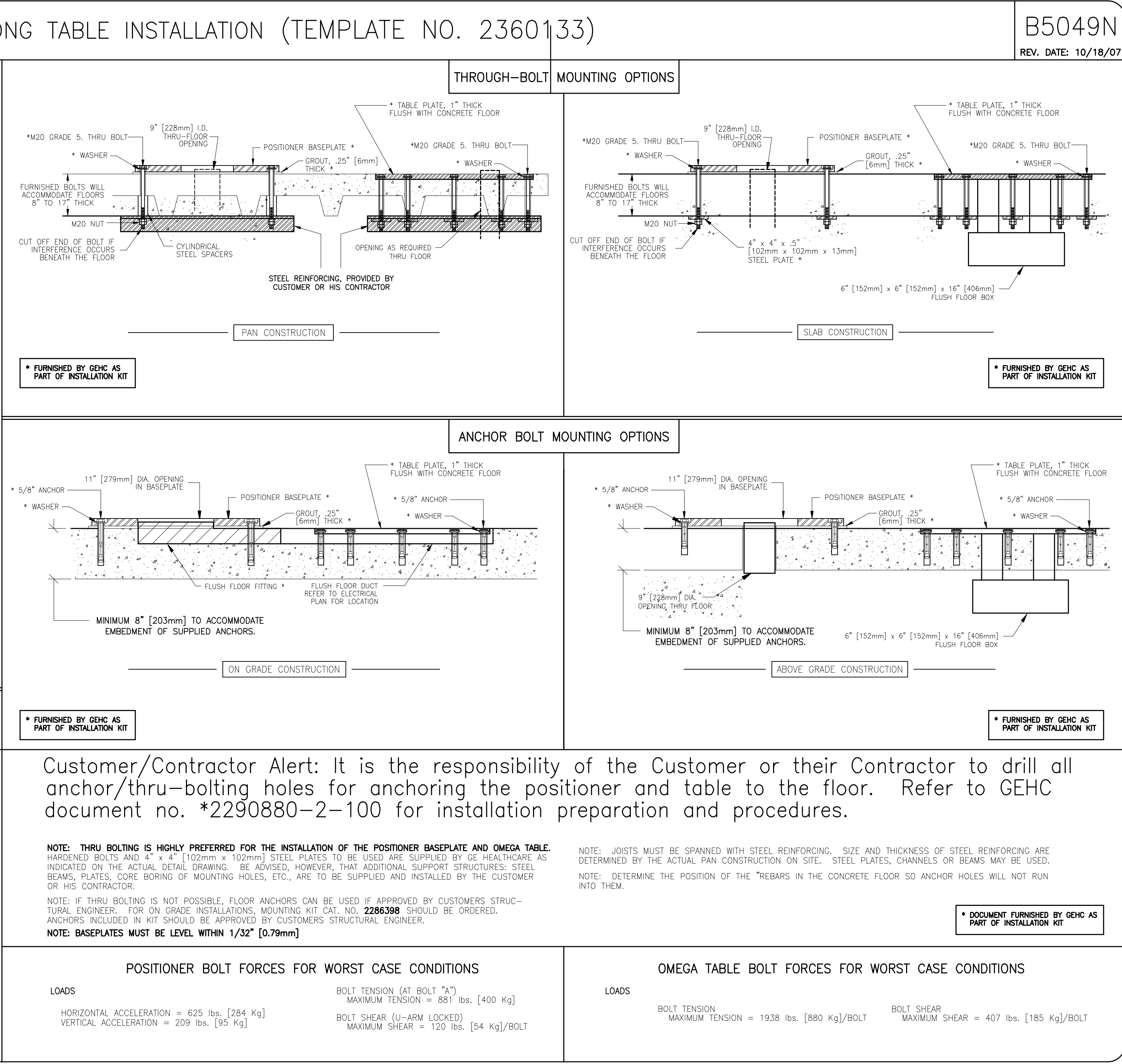
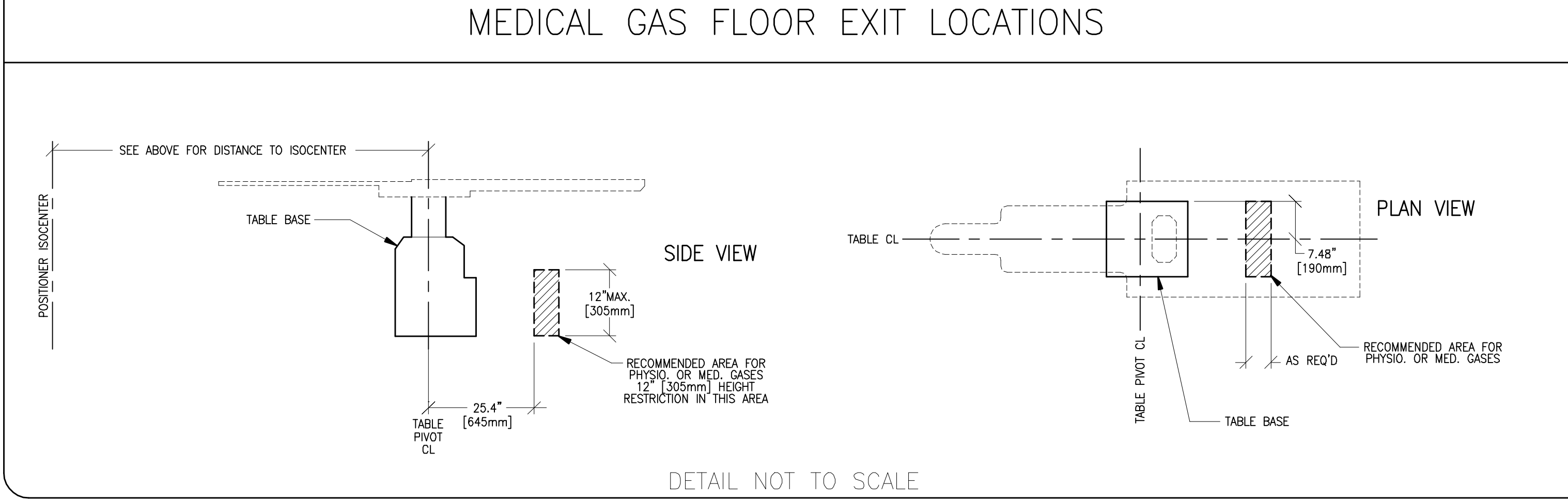
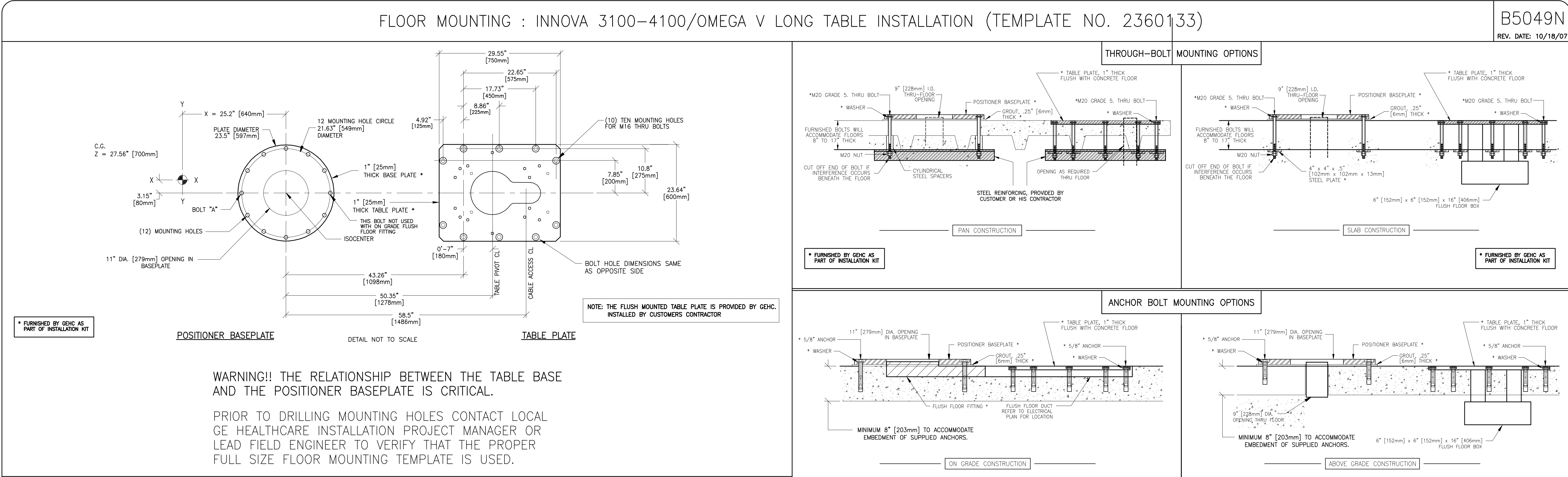
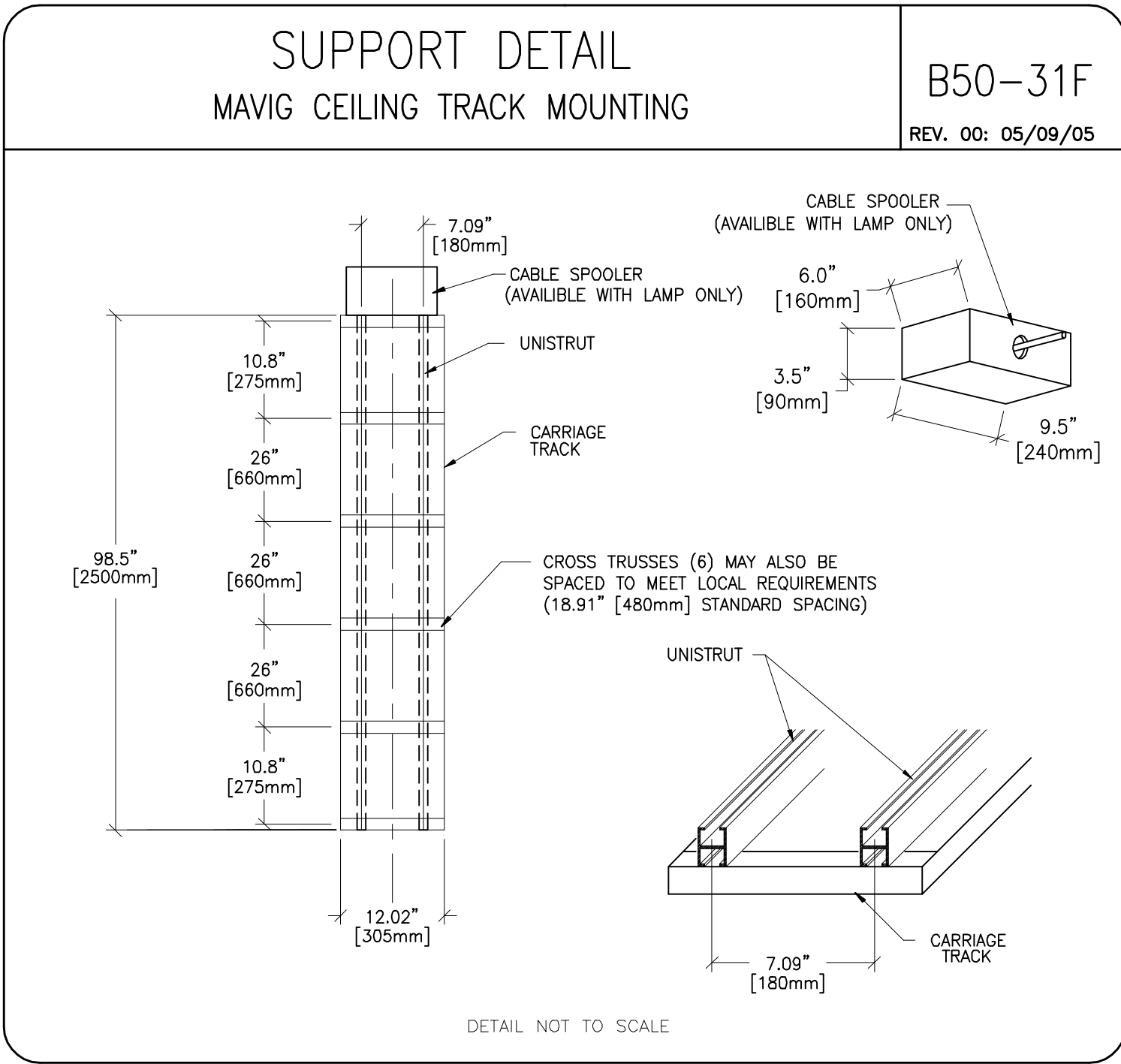
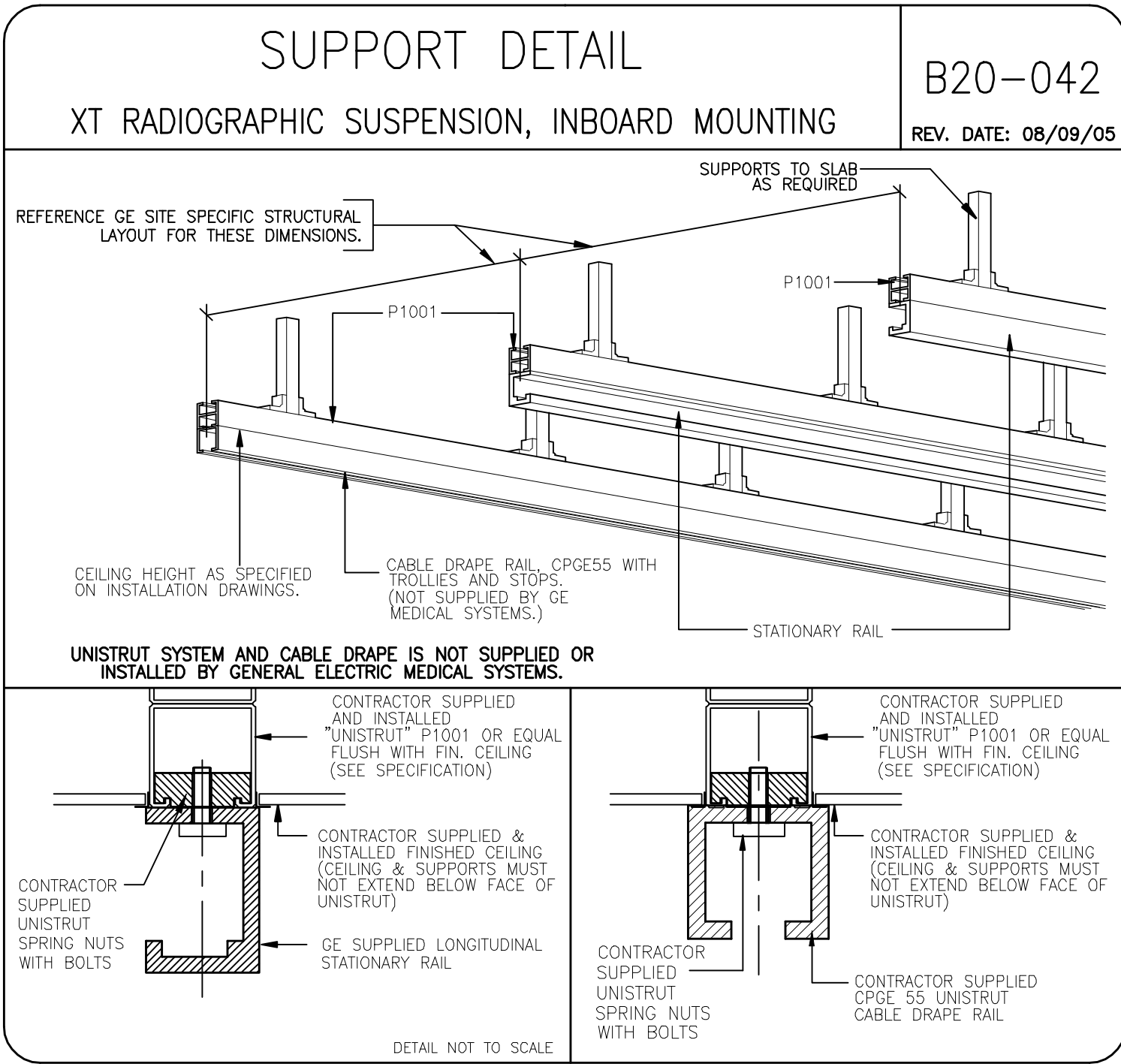
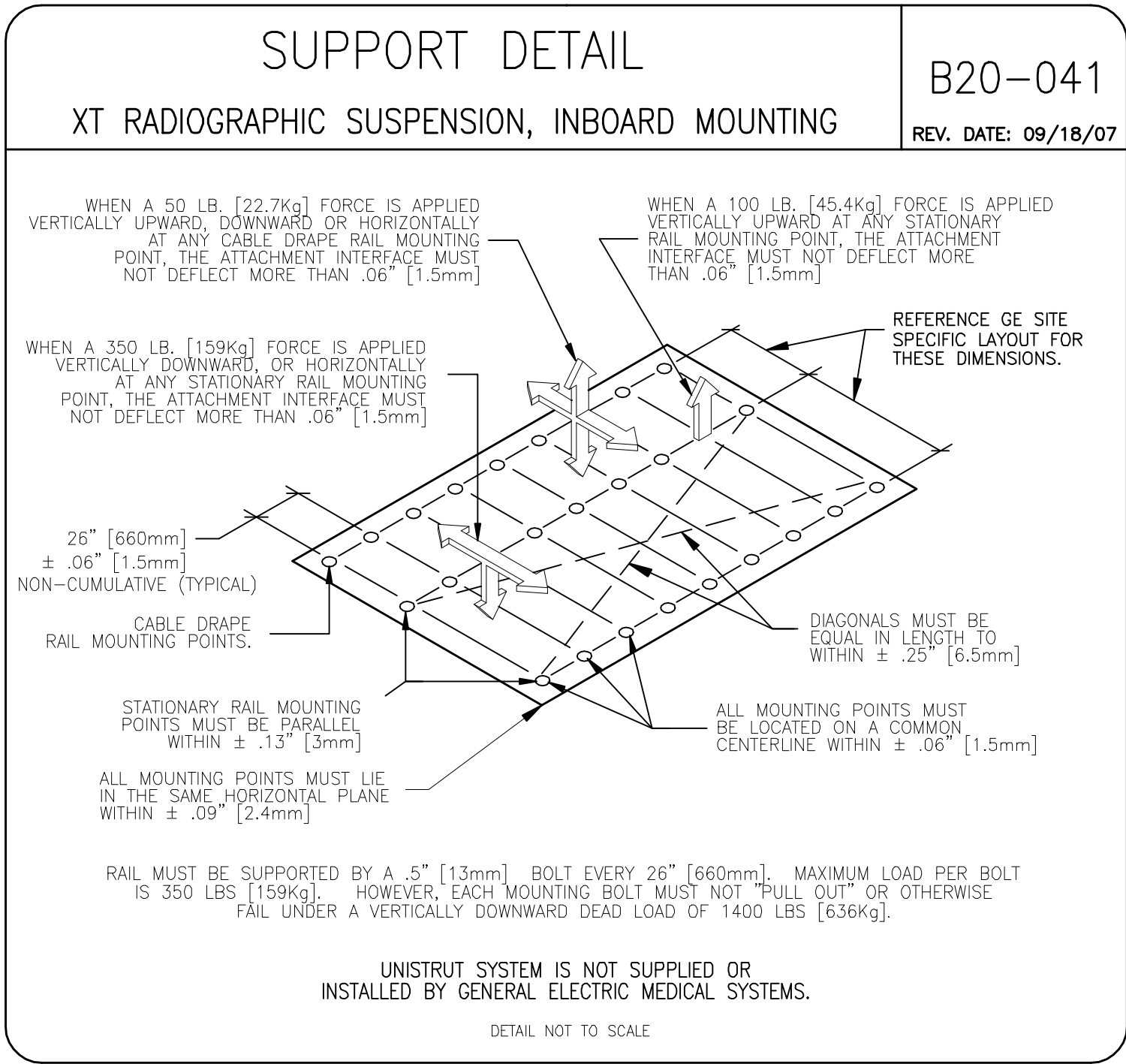
REVISION HISTORY:

SHEET

S1

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

NSH-1002



GE Healthcare Technologies

Installation Services Design Center

Wisconsin

Milwaukee

SHEET TITLE: STRUCTURAL DETAILS

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT IN A PROPOSED CONSTRUCTION. GE HEALTHCARE HAS MADE NO ATTEMPT TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR CONSTRUCTION OF ANY BUILDING OR EQUIPMENT WITHOUT THE WRITTEN RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

CATH LAB

TYPICAL FINAL LAYOUT

PROJECT TITLE:

PROJECT

CATH LAB

DATE: 10-30-08

DRAWN BY: LLM

CHECKED BY: TSI

REVISION HISTORY:

REVISION

01

SHEET

S2

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

NFSH-1002

RECOMMENDED CEILING HEIGHT = 9'-6"

GE Healthcare Technologies

Installation Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS, IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES, HOWEVER, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

CATH
LAB

TYPICAL FINAL LAYOUT

PROJECT TITLE:

PROJECT	REVISION
CATH LAB	01

DATE: 10-30-08

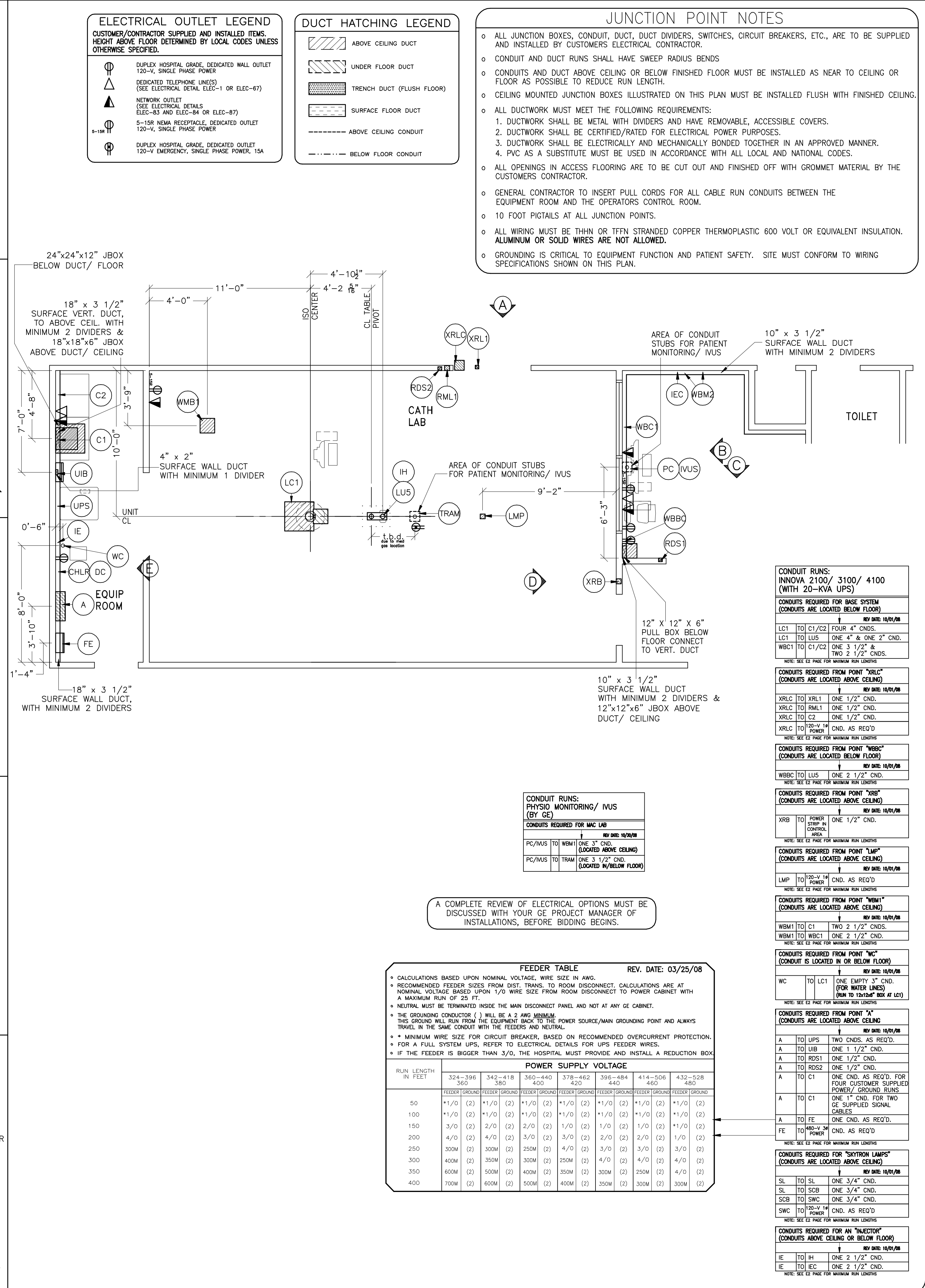
DRAWN BY: LLM
CHECKED BY: TST

REVISION HISTORY:

SHEET

E1

NFSH-1002



POINT		THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR		
	DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SHEET #3
A	MAIN DISCONNECT	1	150-AMP PANEL INCLUDED IN ORDER	ELEC-142
C1	ATLAS CABINET	1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-6 ELEC-8
C2	ATLAS CABINET	1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-6
CHLR	RECIRCULATING WATER CHILLER	2	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-6
DC	DETECTOR CHILLER	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-6
FE	FILTER ENCLOSURE	1	CONNECTION TO BE DETERMINED	
IE	INJECTOR ELECTRONICS	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-6
IEC	INJECTOR CONTROL	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-8A
IH	INJECTOR HEAD	1	EXTERNALLY CONNECTED AT TABLE BASE	
IVUS	IVUS WORKSTATION	1	USE SHARED CONNECTION WITH "PC"	ELEC-1 ELEC-13
LC1	INNOVA LC	1	24 X 24 X 12 IN. BOX SUITABLE LENGTH OF 6 IN. DIA. THREADED CONDUIT OR PIPE	ELEC-100
		2	6 IN. DIA. LOCKNUTS	
		4	1 IN. DIA. LOCKNUT	
		1	GE SUPPLIED FITTING	
		1	12 X 12 X 6 IN. BOX	
		6	IN. DIA. BUSHING	
		4	IN. DIA. BUSHING	
LMP	SURGICAL LAMP	1	4 X 4 X 4 IN. BOX 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
		1	COVERPLATE	
LUS	OMEGA TABLE	1	COVERPLATE	ELEC-48
		1	12 X 1 X 1/2 IN. GROUND BAR WITH 1/4 IN. MIN. MACHINE SCREWS.	ELEC-134
		1	4 X 6 X 1/8 IN. BOX	
		2	4 IN. DIA. BUSHING & LOCKNUT	
PC	WORKSTATION	1	COVERPLATE	ELEC-1
		1	8 X 8 X 6 IN. BOX	ELEC-13
		3	1/2 IN. DIA. CHASE NIPPLE	ELEC-5
		1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-8
RDS1	EMERGENCY OFF	1	PROVIDE A SINGLE GANG, 2 1/8 IN. DEEP, FLUSH MTD. WALL BOX.	ELEC-16
RDS2	EMERGENCY OFF	1	PROVIDE A SINGLE GANG, 2 1/8 IN. DEEP, FLUSH MTD. WALL BOX.	ELEC-16
RML1	ROOM LIGHTS AVAILABLE FROM GE, CALL 800-558-5102	1	COVERPLATE SINGLE GANG BOX E4502SS 24V X-RAY REDUCED ROOM LIGHT CONTROLLER OR EQUIVALENT	ELEC-157
TRAM	REMOTE ACQUISITION UNIT	1	COVERPLATE 3 1/2 IN. DIA. NIPPLE 8 X 8 X 6 IN. FLOOR BOX	ELEC-1 ELEC-13
UIB	UPS INTERFACE BOX	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-6
UPS	UPS CABINET	1	6 FT. OF 1 IN. FLEX CONDUIT AND CONNECTOR	ELEC-5 ELEC-6
		1	32 IN. OF GROMMET MATERIAL FOR AN 8" X 8 IN. OPENING IN DUCT COVER	
WBBC	BOLUS WALLBOX	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-8A
WBC1	OPERATORS CONSOLE	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-8A
WBM1	TV MONITOR	1	12 X 12 X 6 IN. FLUSH CEILING BOX 3 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
		1	COVERPLATE	
WBM2	TV MONITOR	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN DUCT COVER	ELEC-5 ELEC-8A
WC	WATER CHILLER HOSE OUTLET	1	3 IN. CONDUIT STUBBED 2 IN. ABOVE FLOOR	ELEC-9
XR3	XR BUZZER	1	COVERPLATE 4 X 4 X 4 IN. BOX 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
		1	COVERPLATE	
XR11	WARNING LIGHT	1	SINGLE GANG BOX X-RAY DIV. INCANDESCENT LIGHT FIXTURE - DO NOT USE FLUORESCENT FIXTURES.	ELEC-157
XR1C	WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC, CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR	1	E4502SS WARNING LIGHT & ROOM LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER	ELEC-157
<div style="border: 1px solid black; padding: 5px;">CONTACT YOUR LOCAL CARDIO VASCULAR PROJECT MANAGER, INSTALLATIONS (CVPMI) FOR ANY MODIFICATIONS TO ROOM LAYOUT.</div>				
<div style="border: 1px solid black; padding: 5px;">BEFORE PROCEEDING WITH INSTALLATION OF CEILING MOUNTED FIXTURES, PLEASE REFER TO STRUCTURAL SHEET S1 FOR LOCATIONS OF UNISTRUT AND OTHER STRUCTURAL SUPPORTED EQUIPMENT</div>				
<div style="border: 1px solid black; padding: 5px;">SUGGESTION THAT COLOR CODED PHASE CABBING BE USED EITHER BY COLORED WIRES OR COLORED TAPE.</div>				

CONTRACTOR SUPPLIED AND INSTALLED WIRING ELECTRICAL CONTRACTOR SHALL RUN AND TAG ALL WIRES AT BOTH ENDS.	
WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
3 PHASE > FE	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
FE > A	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
A > C1 < JEDI>	3-ND. 1/0 BLACK, 1-ND. 1/0 GREEN
A > C1 < PDU>	2-ND. 10 BLACK, 1-ND. 10 GREEN
A > CHLR	3-ND. 10 BLACK, 1-ND. 10 GREEN
A > RDS1	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
A > RDS2	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
120-V > XRLC	1-BLACK, 1-WHITE, 1-GREEN - <SIZE AS REQUIRED>
XRL1 > XRLC	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
RML1 > XRLC	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
XRLC > C2	2-ND. 14 BLACK, 2-ND. 14 WHITE, 1-ND. 14 GREEN
XRLC > 1 PHASE	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
A > C2	3-ND. 8 BLACK, 1-ND. 8 GREEN
120-V > LMP	1-BLACK, 1-WHITE, 1-GREEN - <SIZE AS REQUIRED>
A > UPS	3-ND. 6 BLACK, 1-ND. 6 GREEN
	6-ND. 8 BLACK, 2-ND. 8 WHITE, 2-ND. 8 GREEN

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

INTERCONNECT DIAGRAM

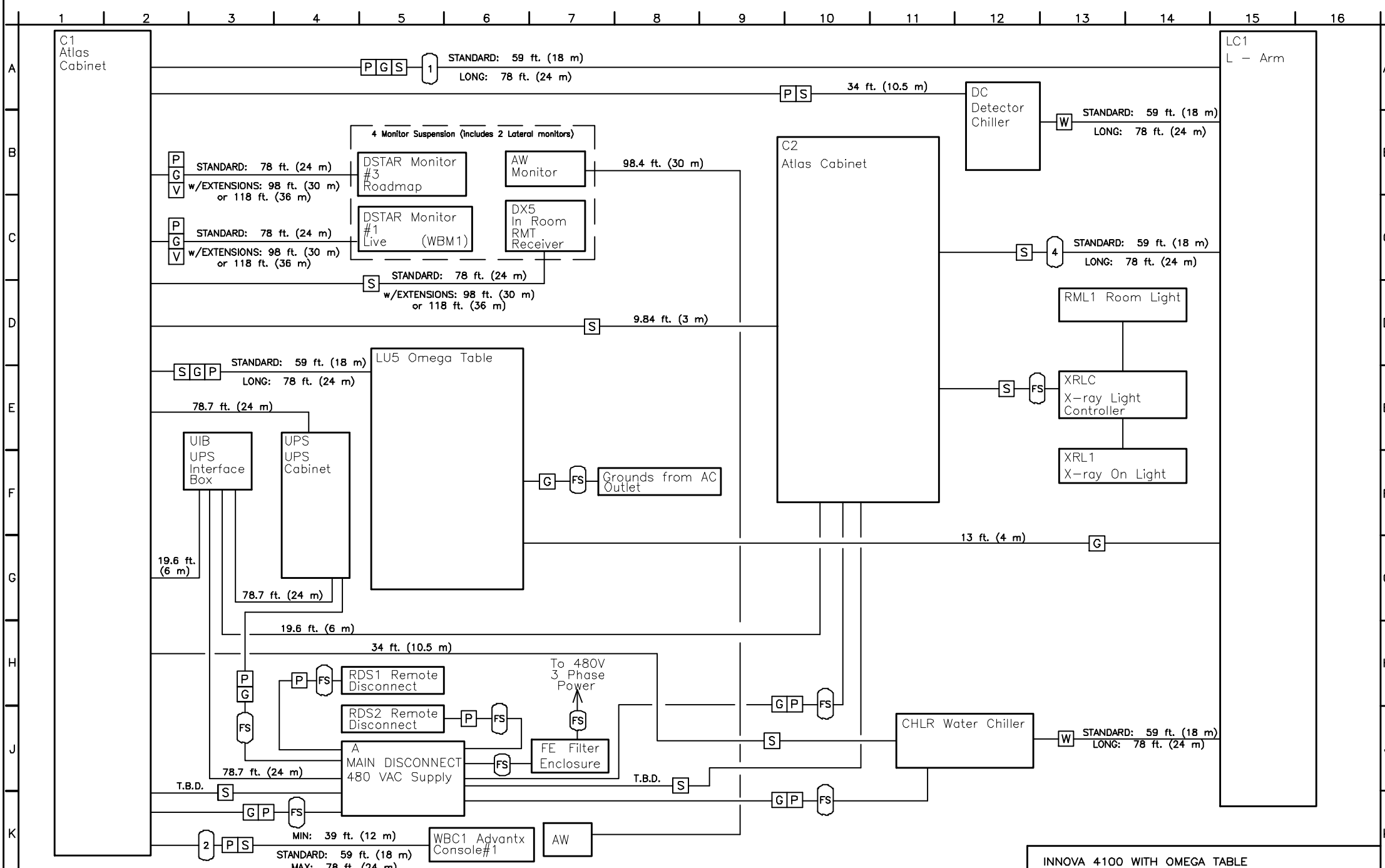


Diagram Legend:

- [S] = Signal Cables
- [V] = Video Cables
- [H] = High Voltage Cables
- [P] = Power Cables
- [G] = Ground Wires (Independent of Power Cables)
- [W] = Water Lines
- [M] = Cable Run Numbers
- [FR] = Field Supplied Cables

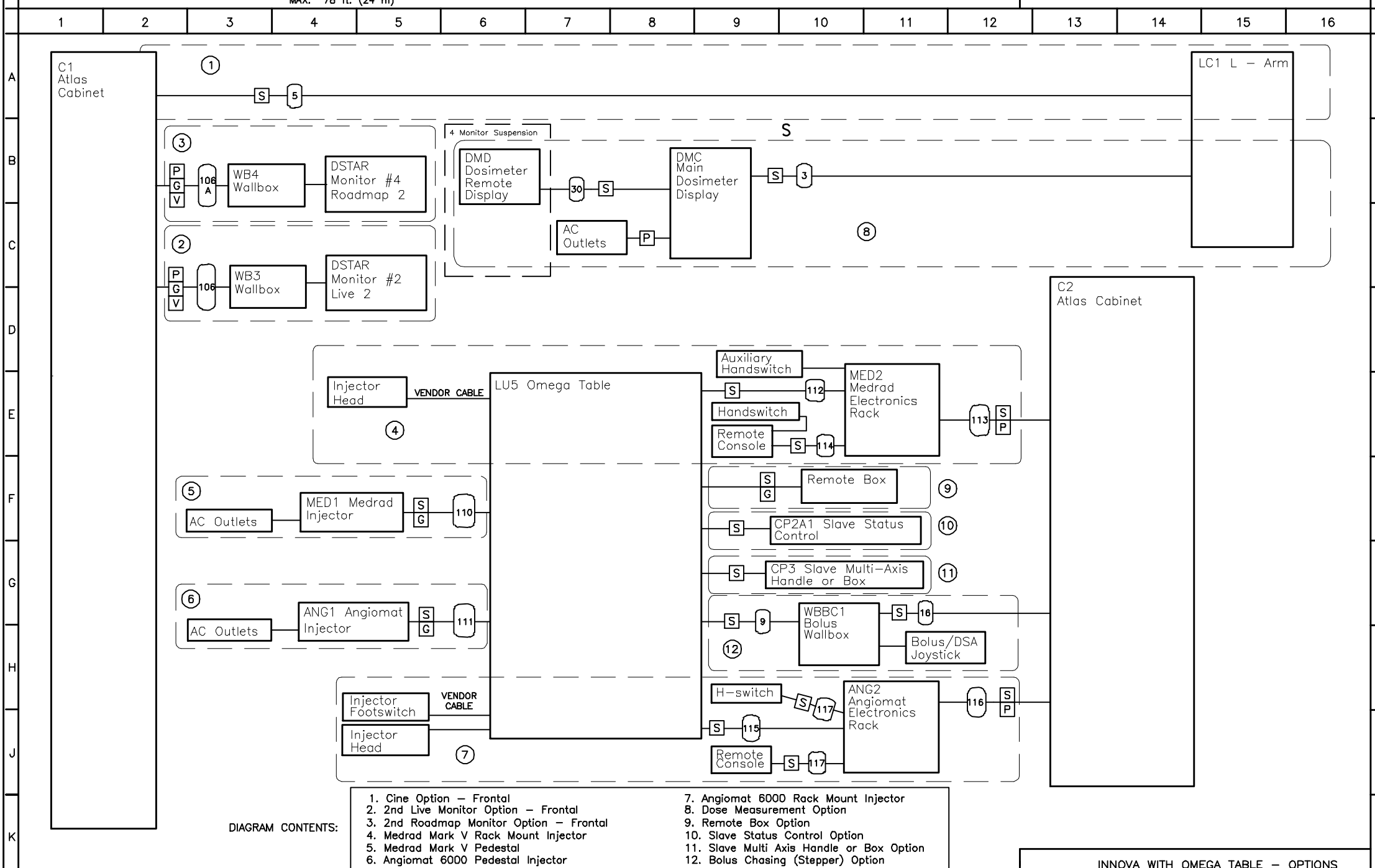


DIAGRAM CONTENTS:

1. Laser Multi-format Camera w/DLX3
2. Laser Multi-format Camera w/dlx3 & MMU
3. 3M Laser HQ & HQS w/DLX3
4. Kodak 2180 Laser Multi-format camera w/DLX3
5. Exabyte Option

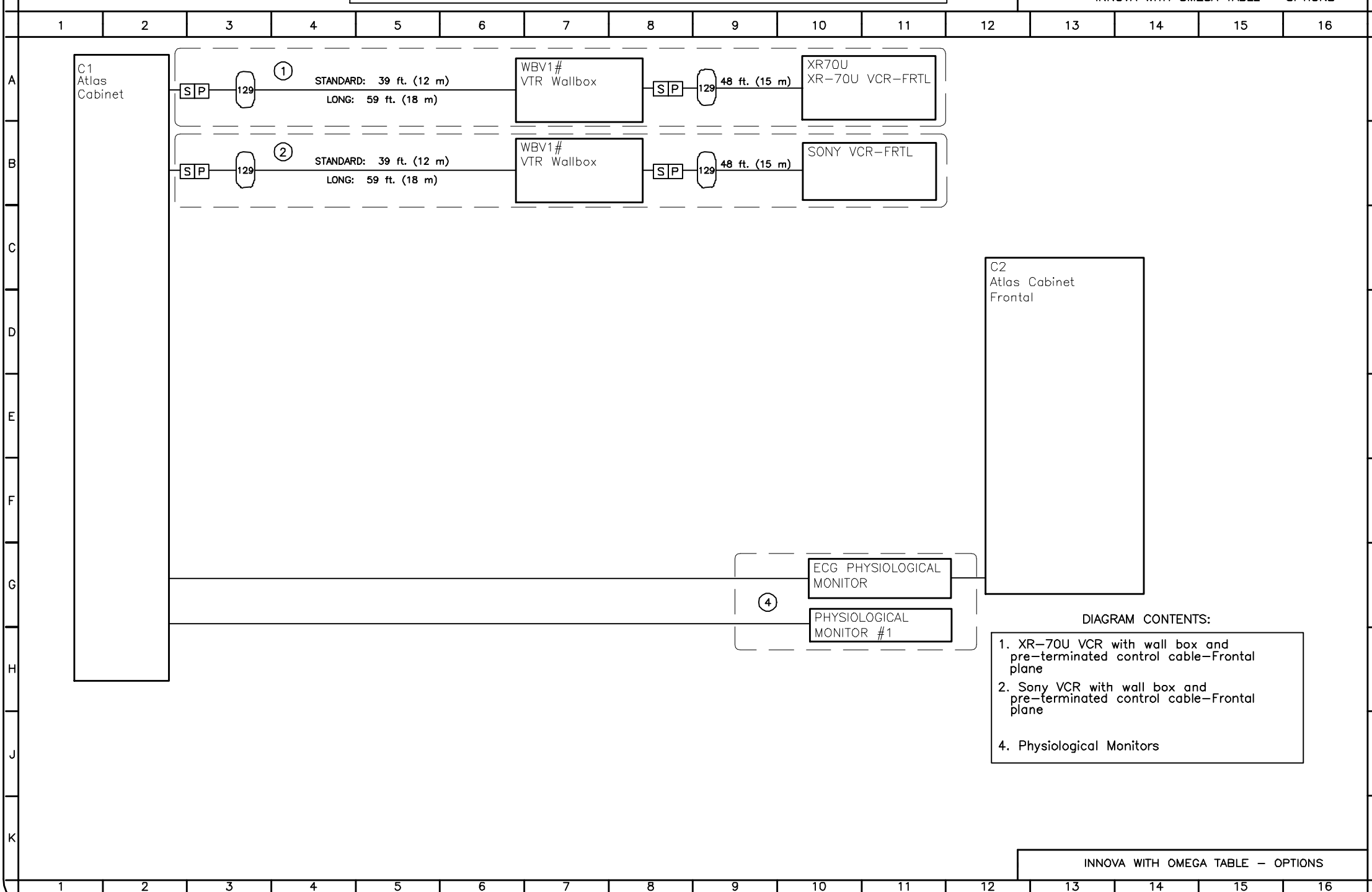


DIAGRAM CONTENTS:

1. Black & white monitor w/wallbox Option (110VAC) frontal plane
2. B-plane Downscans & VCRs w/wallbox Option (110VAC) frontal plane
3. B-plane Downscans & VCRs w/o wallbox Option (110VAC) frontal plane
4. Black & white monitor w/o wallbox Option (110VAC) frontal plane
5. Single plane Downscans & VCRs w/o wallbox Option (220VAC) frontal plane
6. Black & white monitor w/o wallbox Option (220VAC) frontal plane

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 kVp	1250 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., OTHER THAN SHOWN ON THIS DRAWING 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.



SHEET TITLE: ELECTRICAL SPECIFICATIONS

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT.
IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS
TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR
CONSTRUCTION OF THE FACILITY. GE HEALTHCARE TECHNOLOGIES, INC. ACCEPTS
NO RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

CATH
LAB
TYPICAL FINAL LAYOUT

PROJECT TITLE:

PROJECT REVISION
CATH LAB 01DATE: 10-30-08
DRAWN BY: LLM
CHECKED BY: TSI

REVISION HISTORY:

SHEET

E2

ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL)

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

OUTLET BOX

HARDWARE

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
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

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
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

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

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INSITE CONNECTION (TYPICAL)

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

ONE OF THE FOLLOWING TWO SELECTIONS MUST BE INSTALLED AT THE LOCATION SHOWN ON THE ELECTRICAL PLAN (SHEET E1) FOR GE INSITE CONNECTION BASED UPON SYSTEM CONFIGURATION.

A) ONE INTERNET ACCESSIBLE VIRTUAL PRIVATE NETWORK (VPN) CONNECTION WITH A STATIC IP ADDRESS, AND ONE TELEPHONE LINE - DEDICATED-DIRECT-DIALING, VOICE GRADE.

OR

B) TWO TELEPHONE LINES - ONE DEDICATED DIRECT-DISTANCE-DIALING, VOICE GRADE AND ONE A DEDICATED DATA LINE.

FINISHED CEILING

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

TO BE DETERMINED

FINISHED FLOOR

SINGLE GANG J.B.

COVERPLATE WITH TWO TELEPHONE RECEPTACLES OR ONE TELEPHONE RECEPTACLE AND ONE NETWORK RECEPTACLE

ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.

DETAIL NOT TO SCALE

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
NETWORK CONNECTION (TYPICAL)

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

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

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

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECTION - BOX BELOW FLOOR

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

HARDWARE

FINISHED FLOOR

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
TABLE INTERCONNECT DETAIL, UNDER FLOOR

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

POSITIONER SIDE

FLUSH MOUNTED FLOOR PLATE

(FLOOR)

(FLOOR)

(1)2" AND (1)4" CONDUIT FROM POSITIONER *** OR *** DUCTWORK AS SHOWN ON E1

4" PIPE THROUGH FLOOR TO CABLE ACCESS

6" x 6" x 16" BOX [152mm x 152mm x 406mm]

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
X-RAY WARNING LIGHT & ROOM LIGHT CONTROL PANEL

ELEC-157
REV. DATE: 08/28/08

FROM GE IMAGING SYSTEM ON SIGNAL IN "C2" CABINET

MAXIMUM 24-VAC

E4502SS

X-RAY ROOM WARNING LIGHT / ROOM LIGHTING CONTROL PANEL

X-RAY WARNING LIGHT OR ROOM LIGHT ARE NOT PART OF THIS CAT. NO.

120-VAC 20A MAXIMUM

X-RAY WARNING LIGHT

ROOM LIGHTS

THE E4502SS IS RECOMMENDED IF "X-RAY ON" WARNING LIGHT AND ROOM LIGHT CONTROL ARE UTILIZED

THE R4502RL IS RECOMMENDED IF "X-RAY ON" WARNING LIGHT ONLY

FROM GE IMAGING SYSTEM ON SIGNAL IN "C2" CABINET

MAXIMUM 24-VAC

E4502RL

X-RAY ROOM WARNING LIGHT CONTROL PANEL

X-RAY WARNING LIGHT IS NOT PART OF THIS CAT. NO.

120-VAC 20A MAXIMUM

X-RAY WARNING LIGHT

CONTROL PANEL CAN BE LOCATED ABOVE THE CEILING NEAR THE WARNING LIGHT

UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER, ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
EMERGENCY OFF BUTTON

ELEC-16
REV. DATE: 08/22/05

PLAN VIEW

FRONT VIEW

PLATE & OFF BUTTON

SINGLE GANG BOX SUPPLIED BY CONTRACTOR

SIDE VIEW

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]

0.9" [23mm]

3.6" [91mm]

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

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

4.0" [102mm]

WATER LINES

POSITIONER BASEPLATE

TABLE SIDE

(FLOOR)

(FLOOR)

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

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

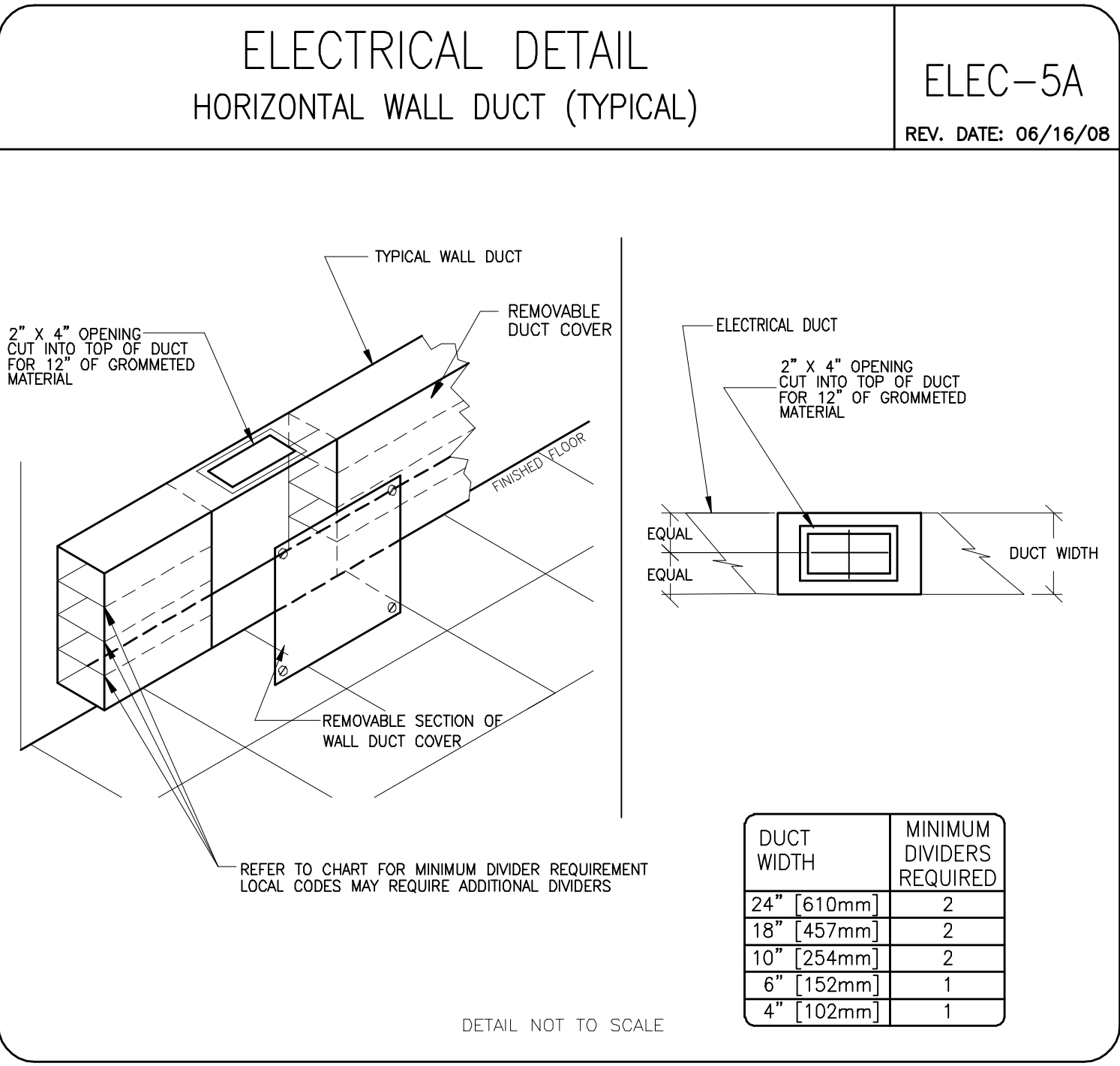
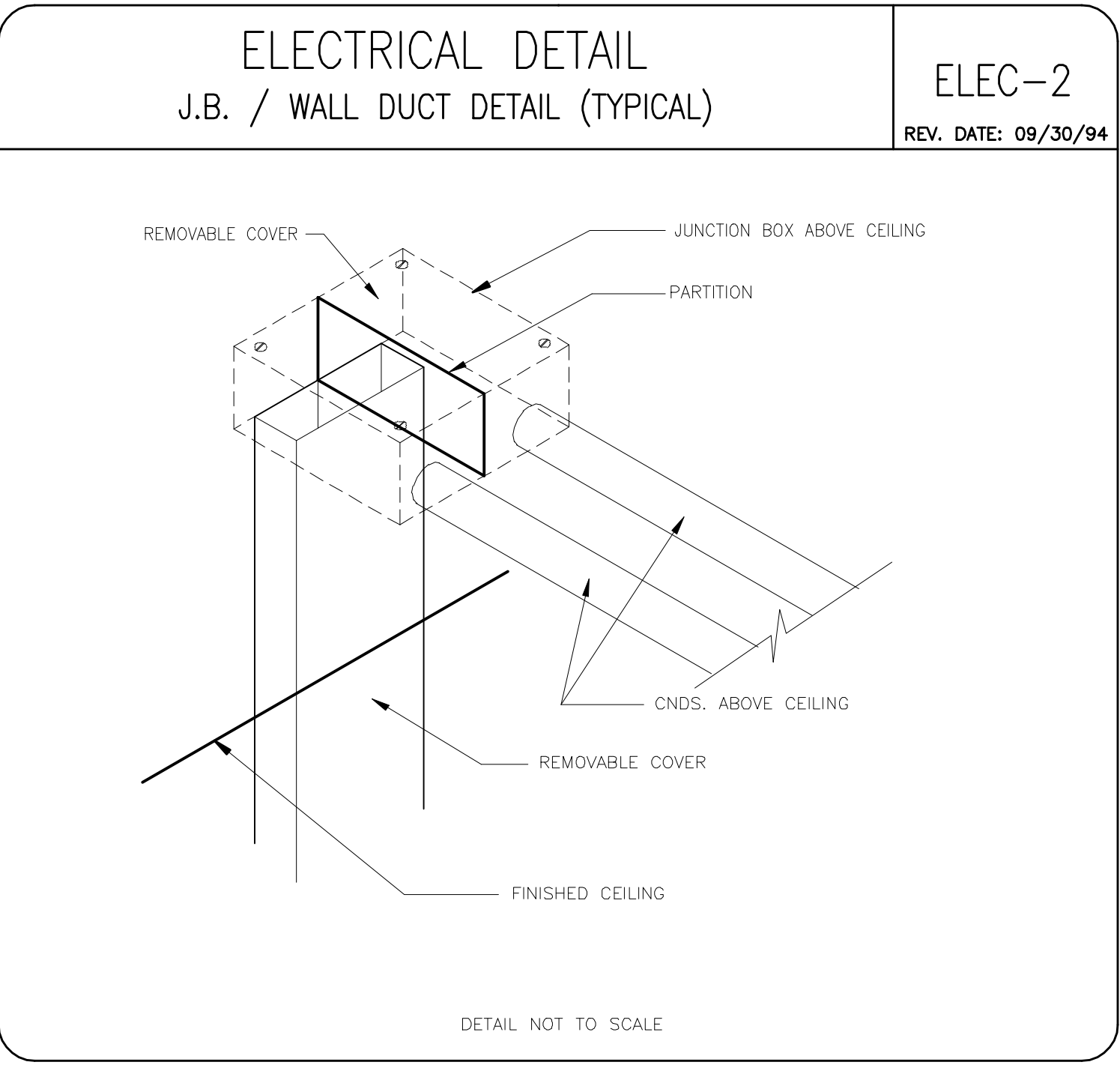
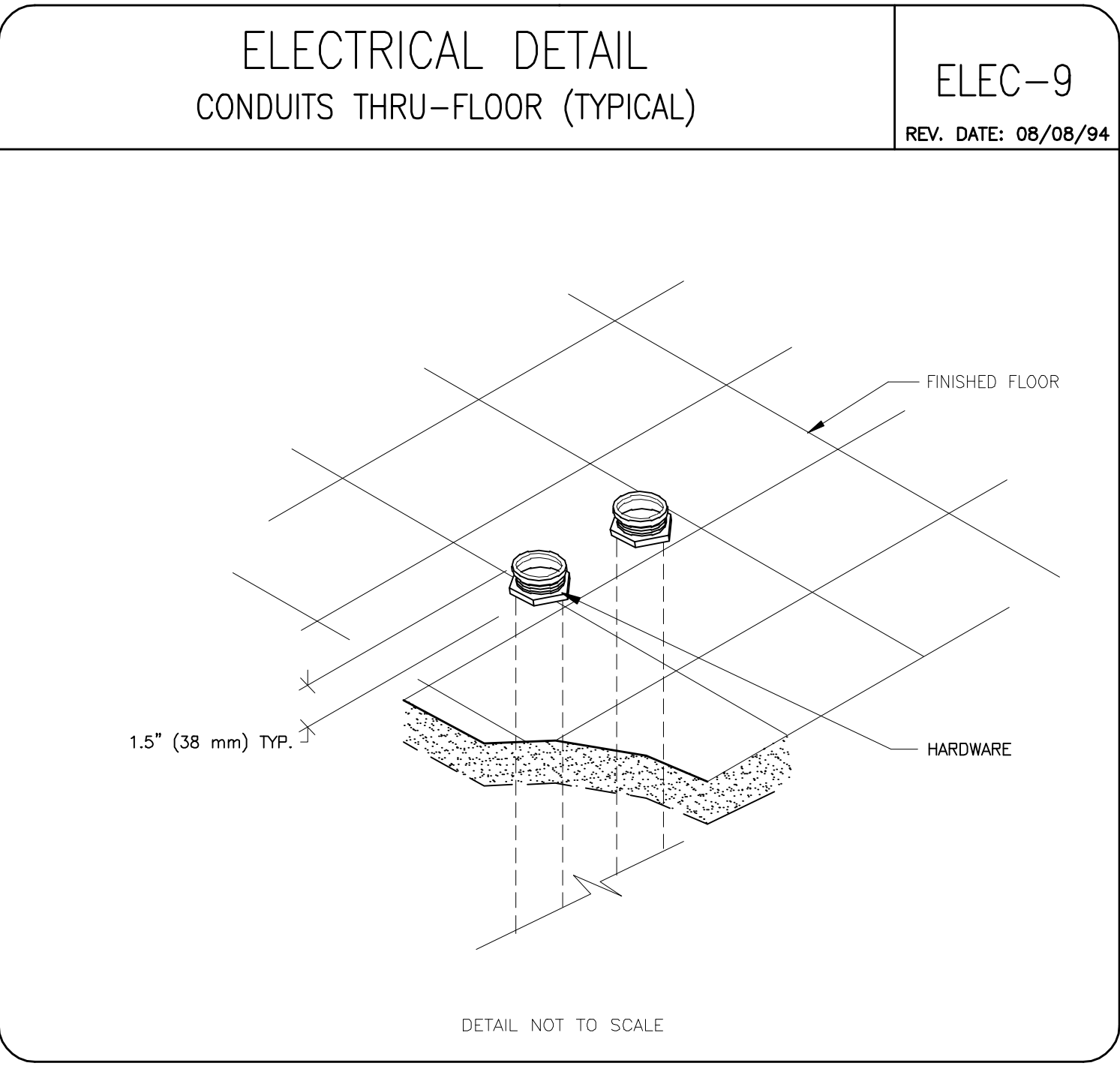
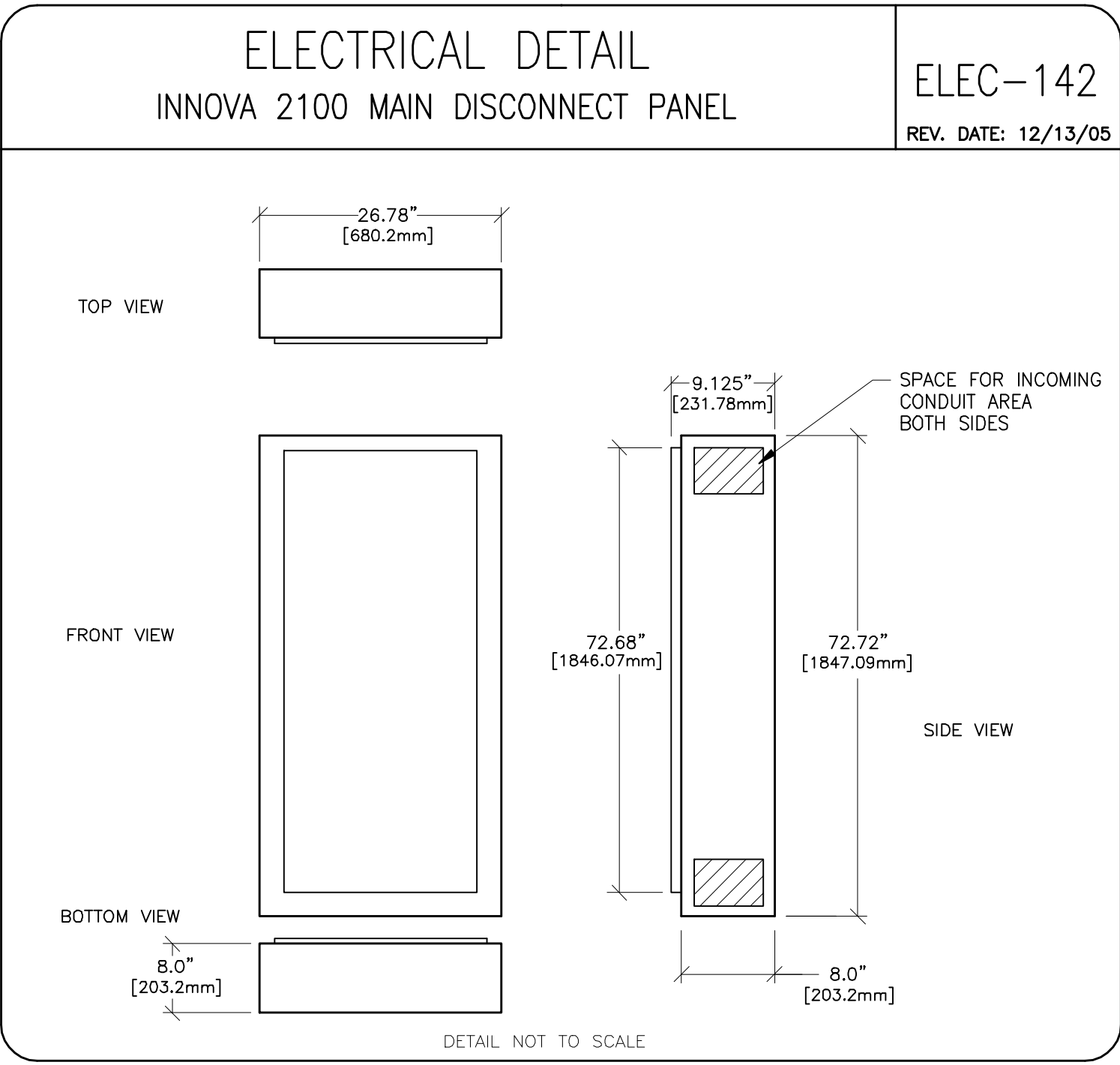
PLAN VIEW THRU-FLOOR FITTING

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



GE Healthcare Technologies

GE

Installation Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL DETAILS

MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT. GE HEALTHCARE EQUIPMENT IS NOT TO BE INSTALLED WITHOUT THE ASSISTANCE OF A QUALIFIED PROFESSIONAL ENGINEER. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF GE HEALTHCARE. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

CATH LAB
TYPICAL FINAL LAYOUT

PROJECT

REVISION

CATH LAB

01

DATE: 10-30-08

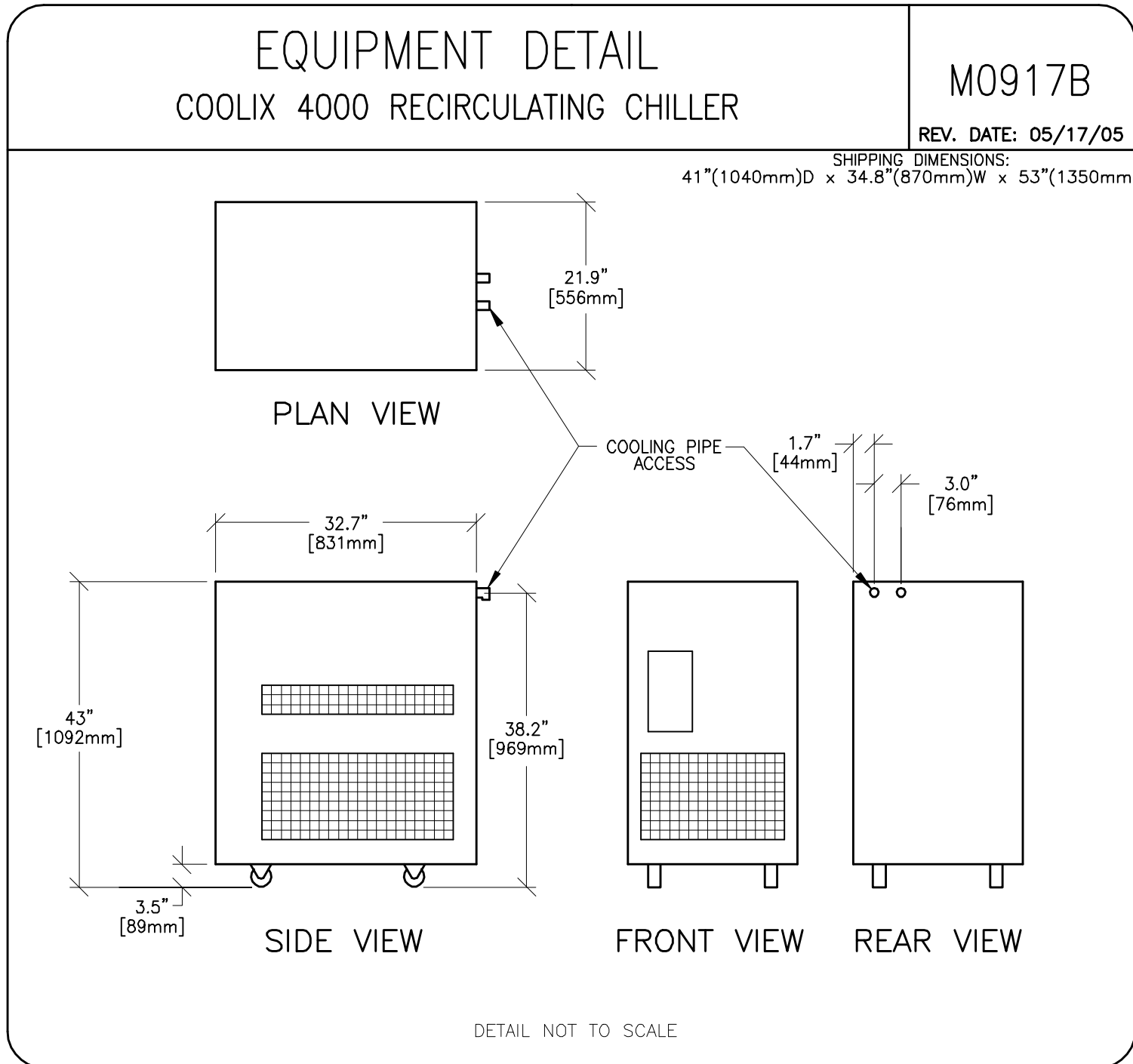
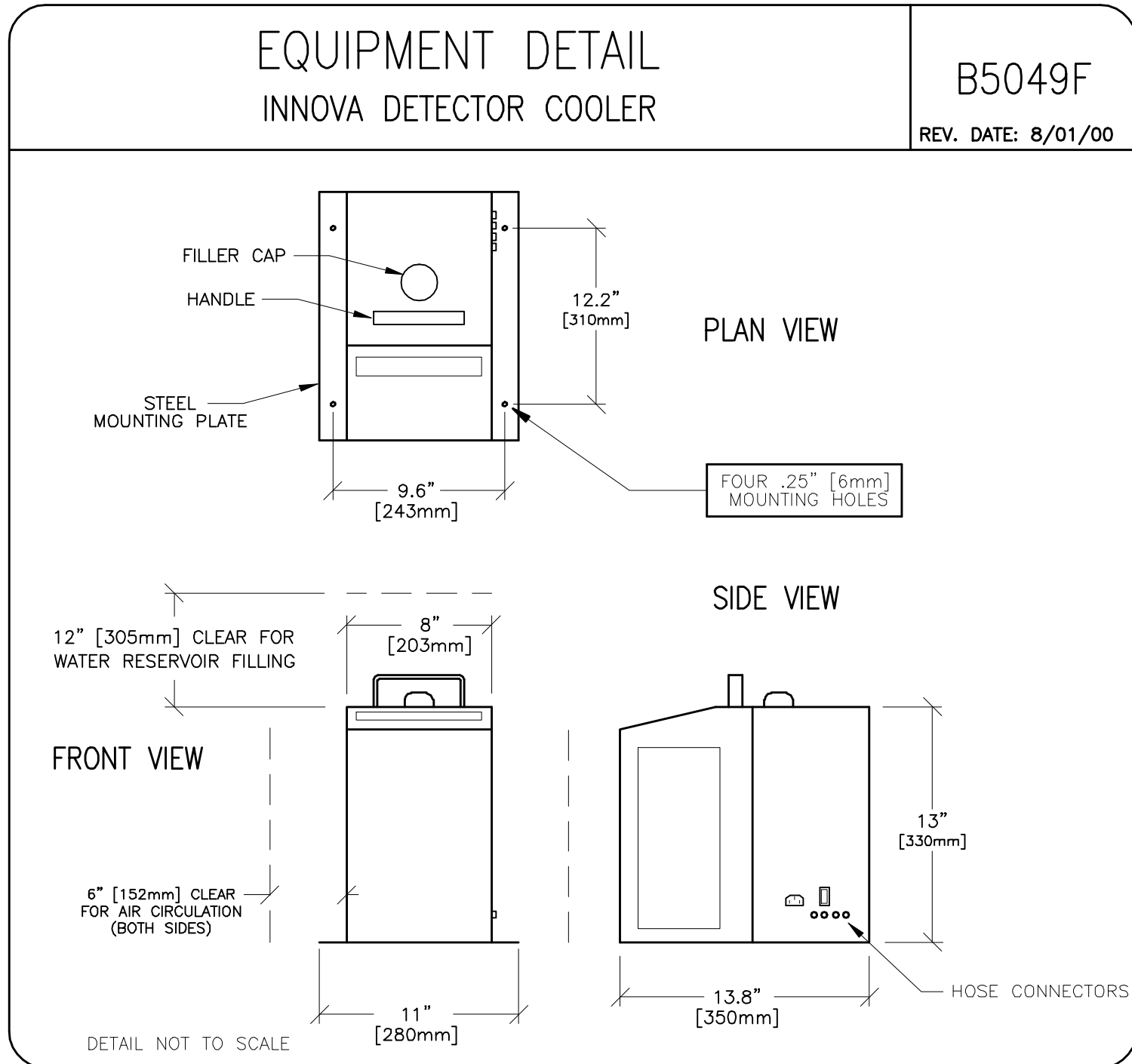
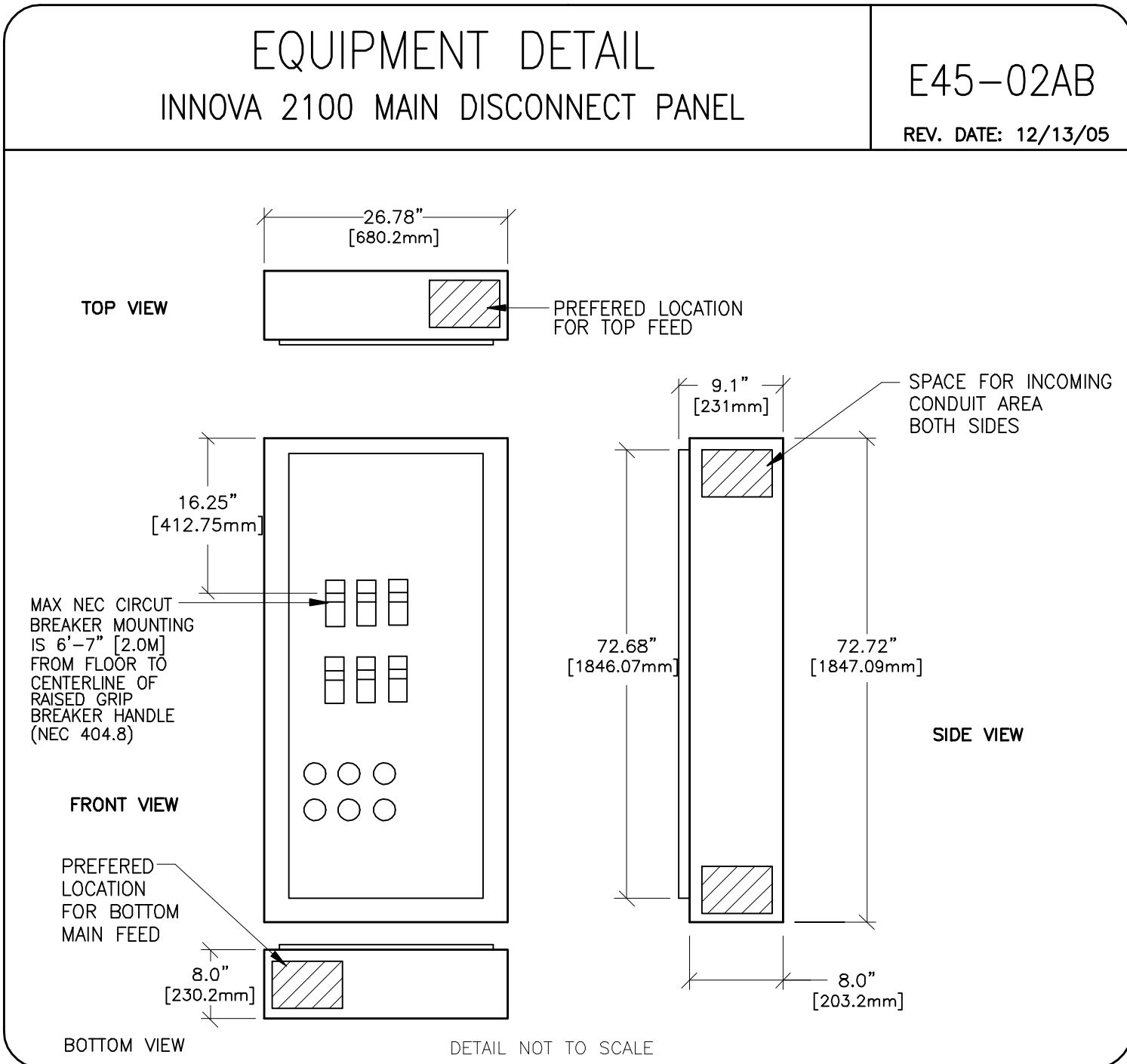
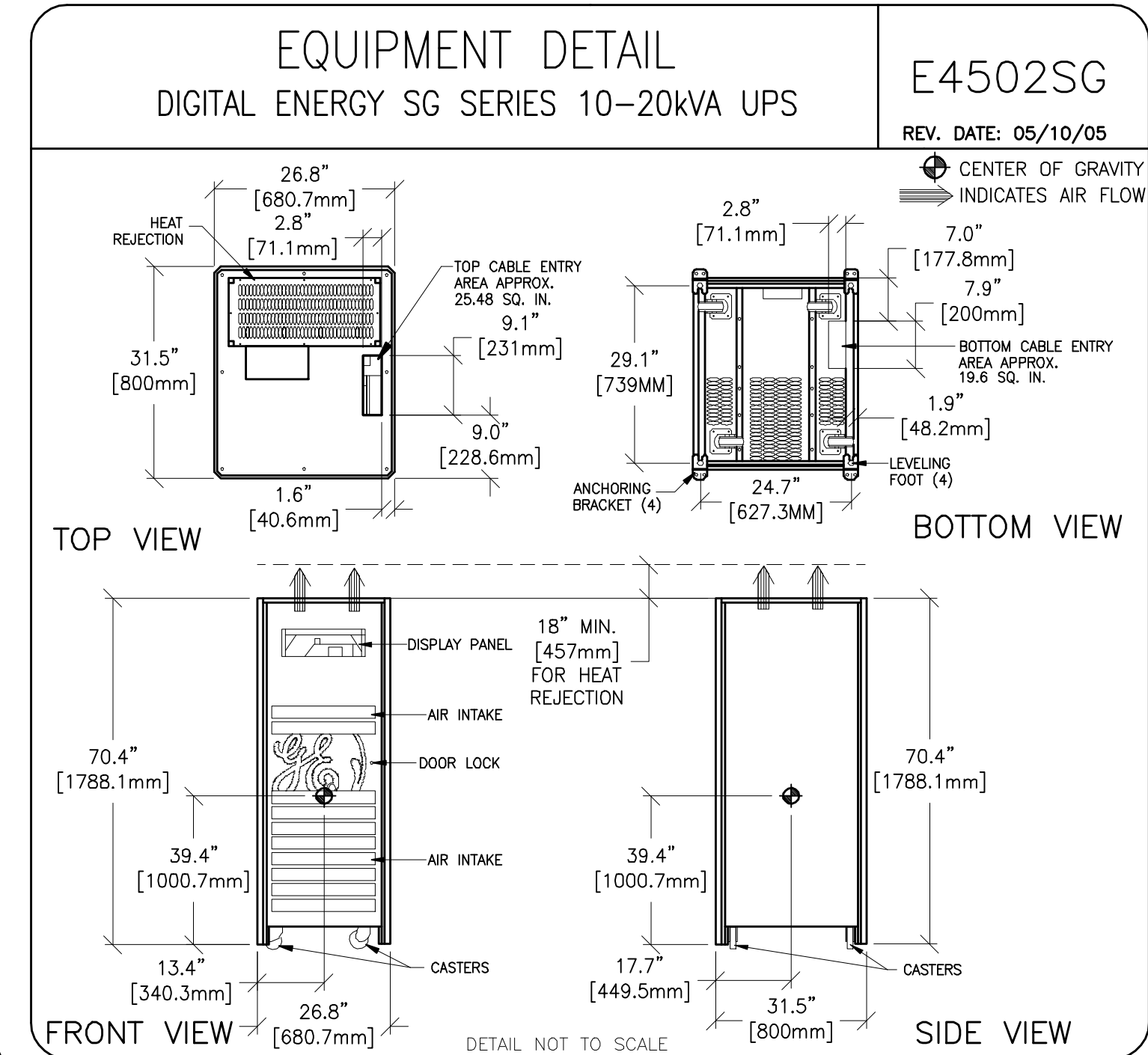
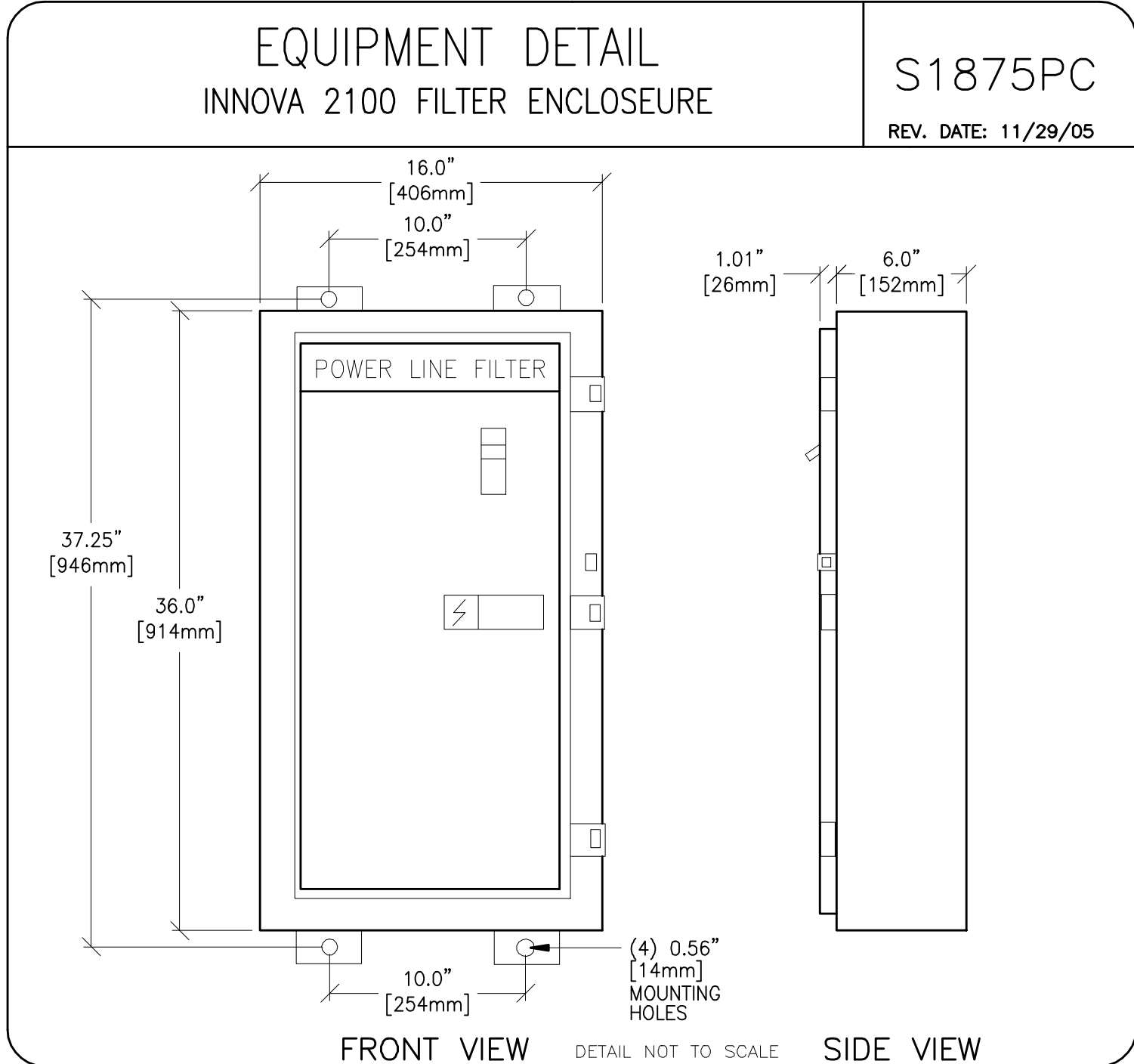
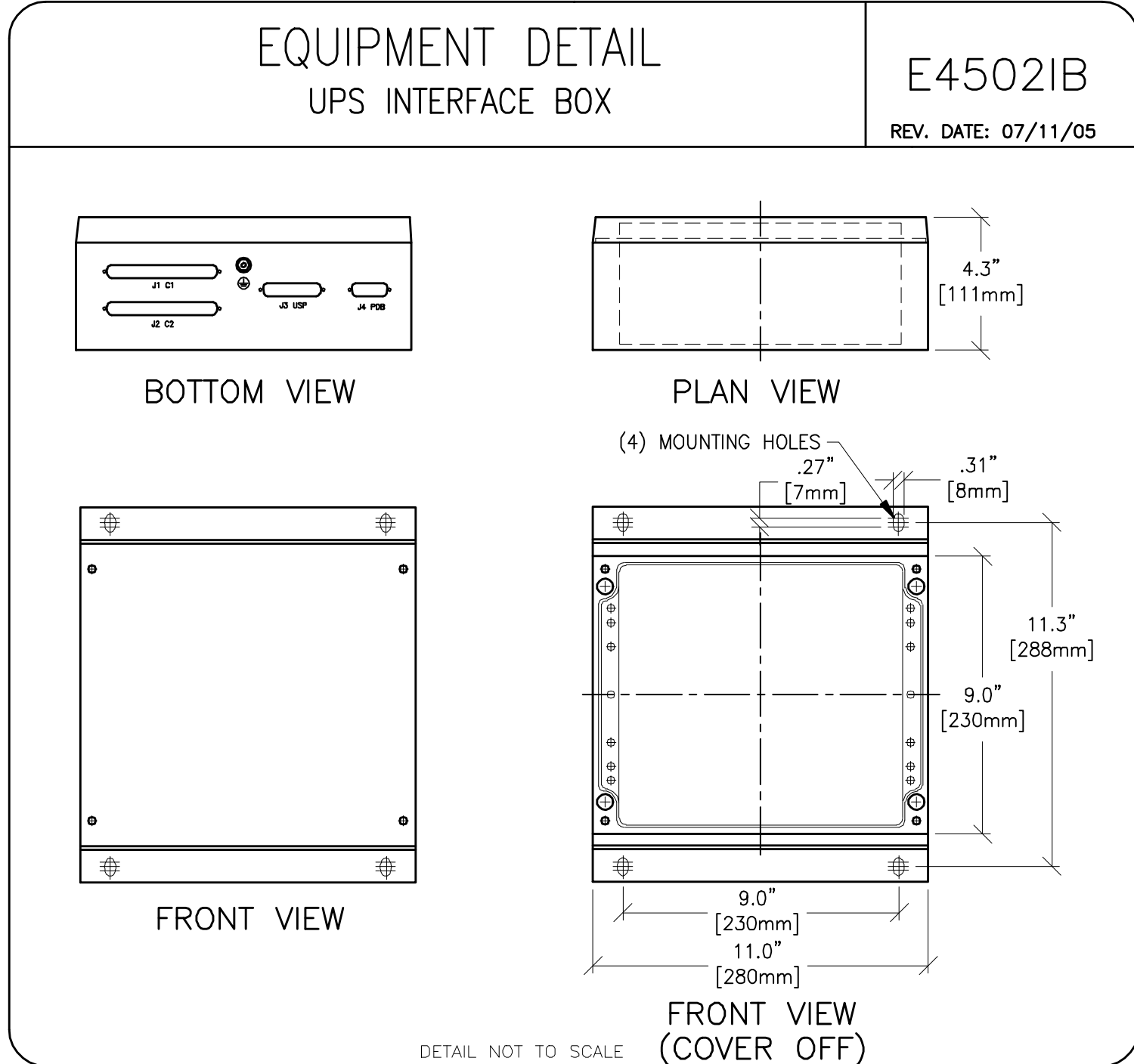
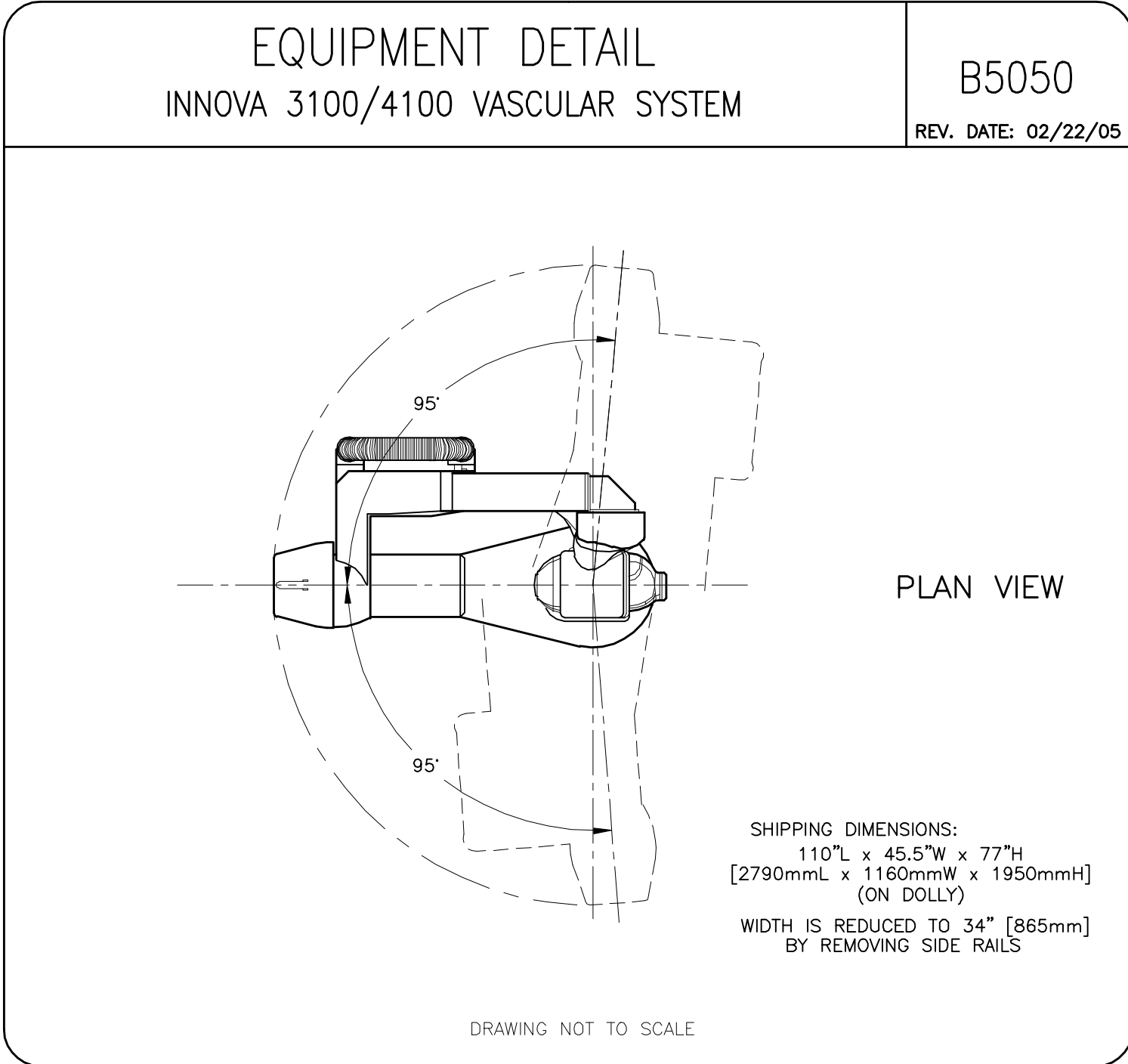
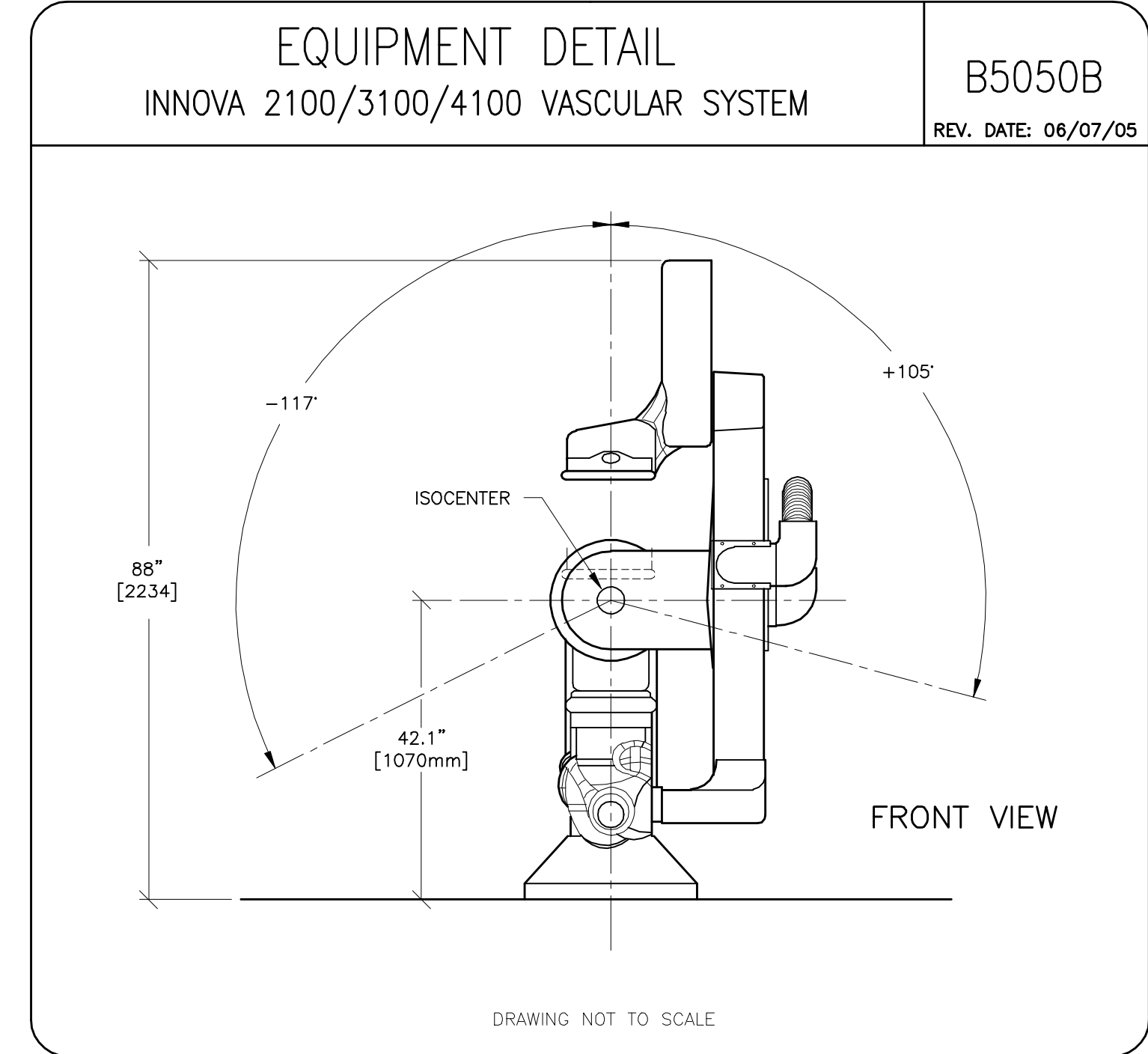
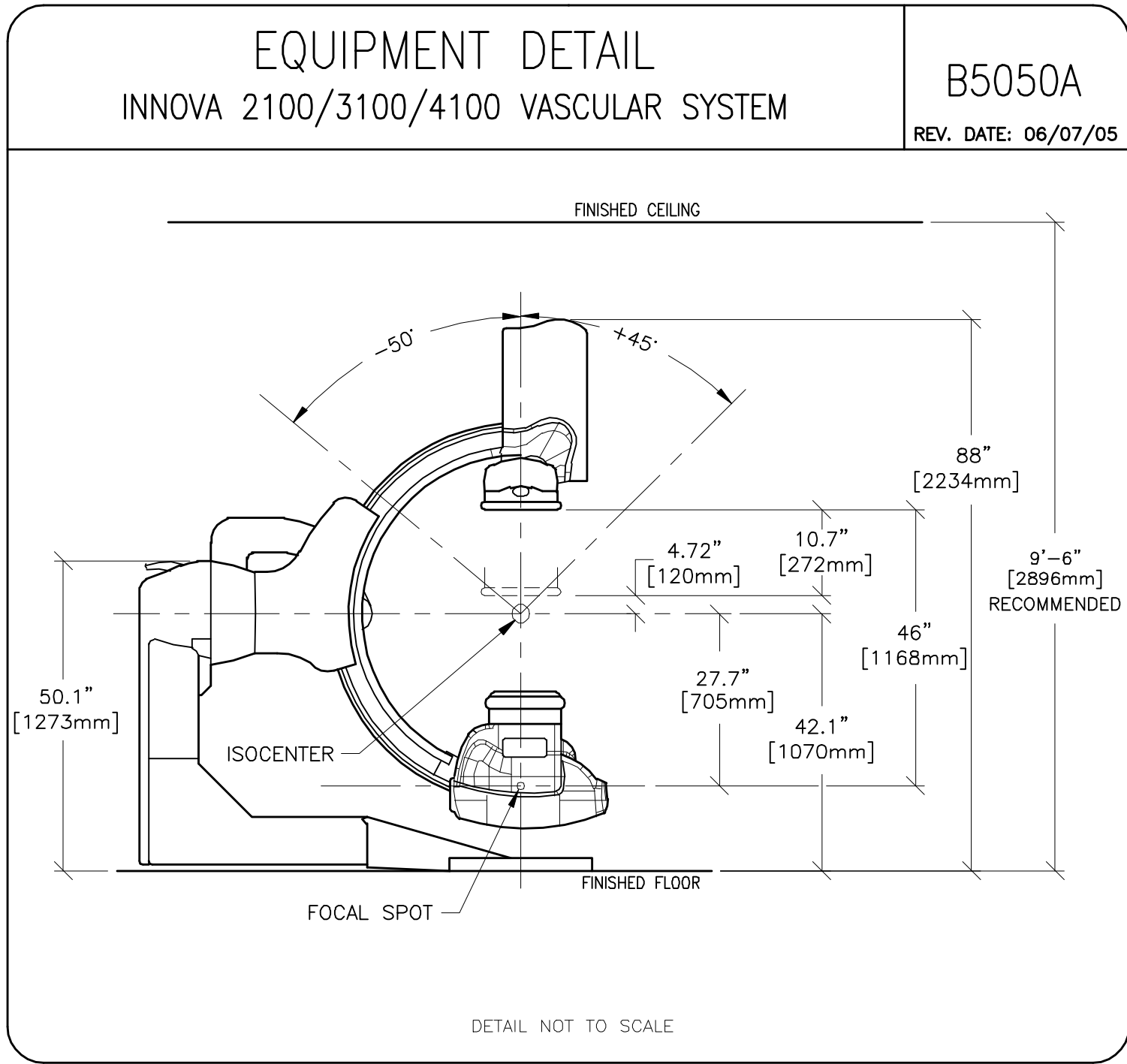
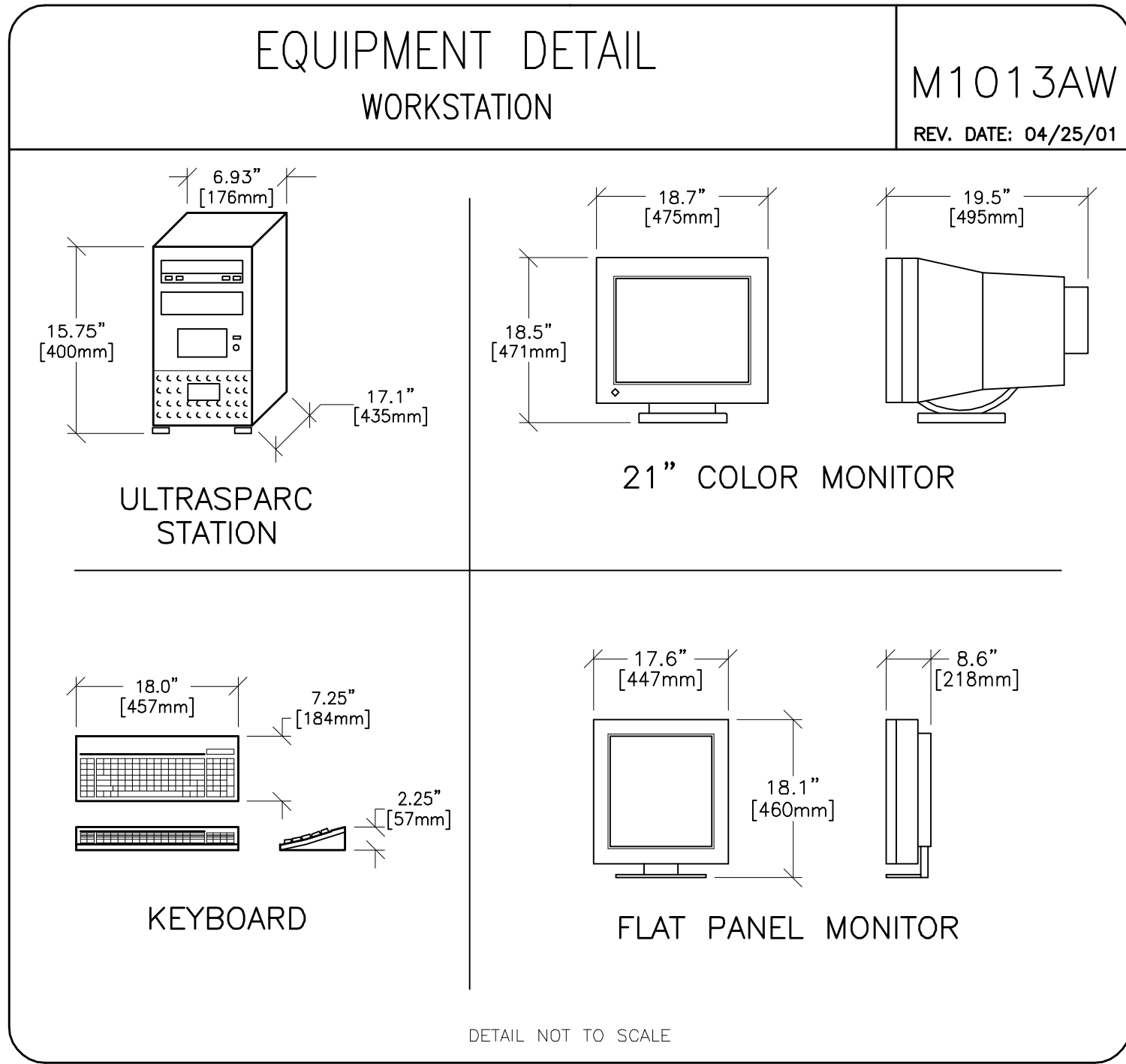
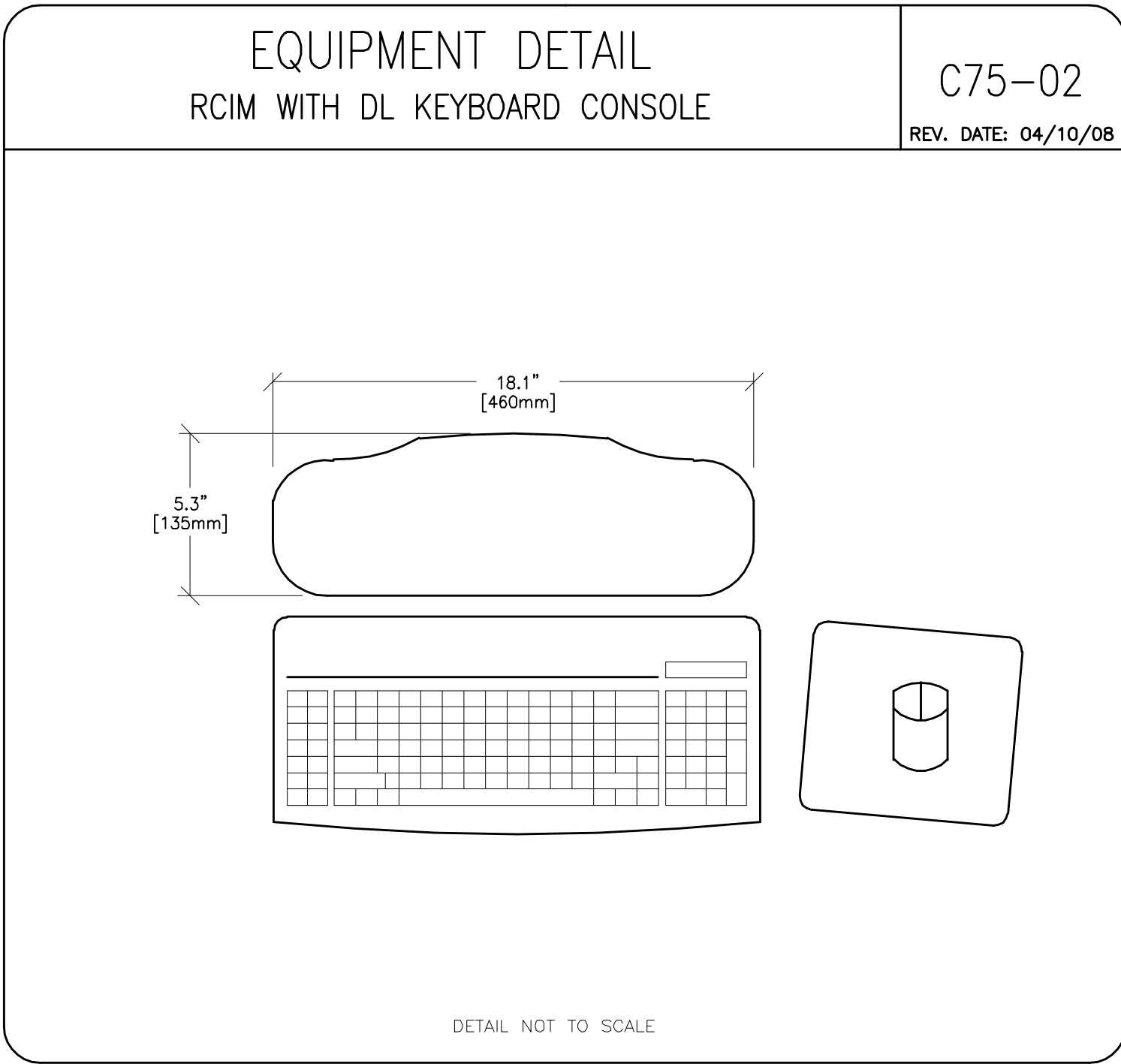
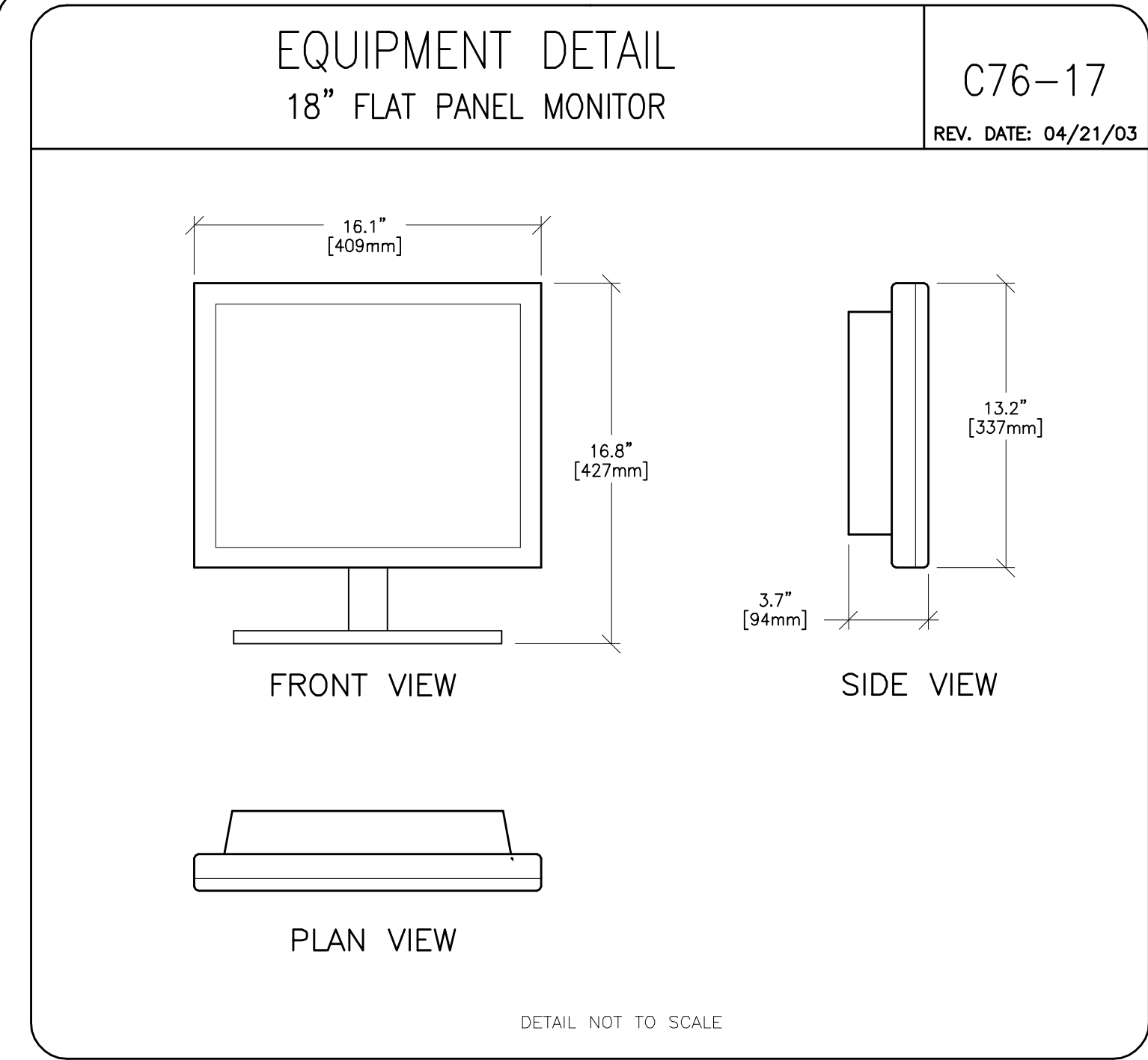
DRAWN BY: LLM

CHECKED BY: TST

REVISION HISTORY:

SHEET

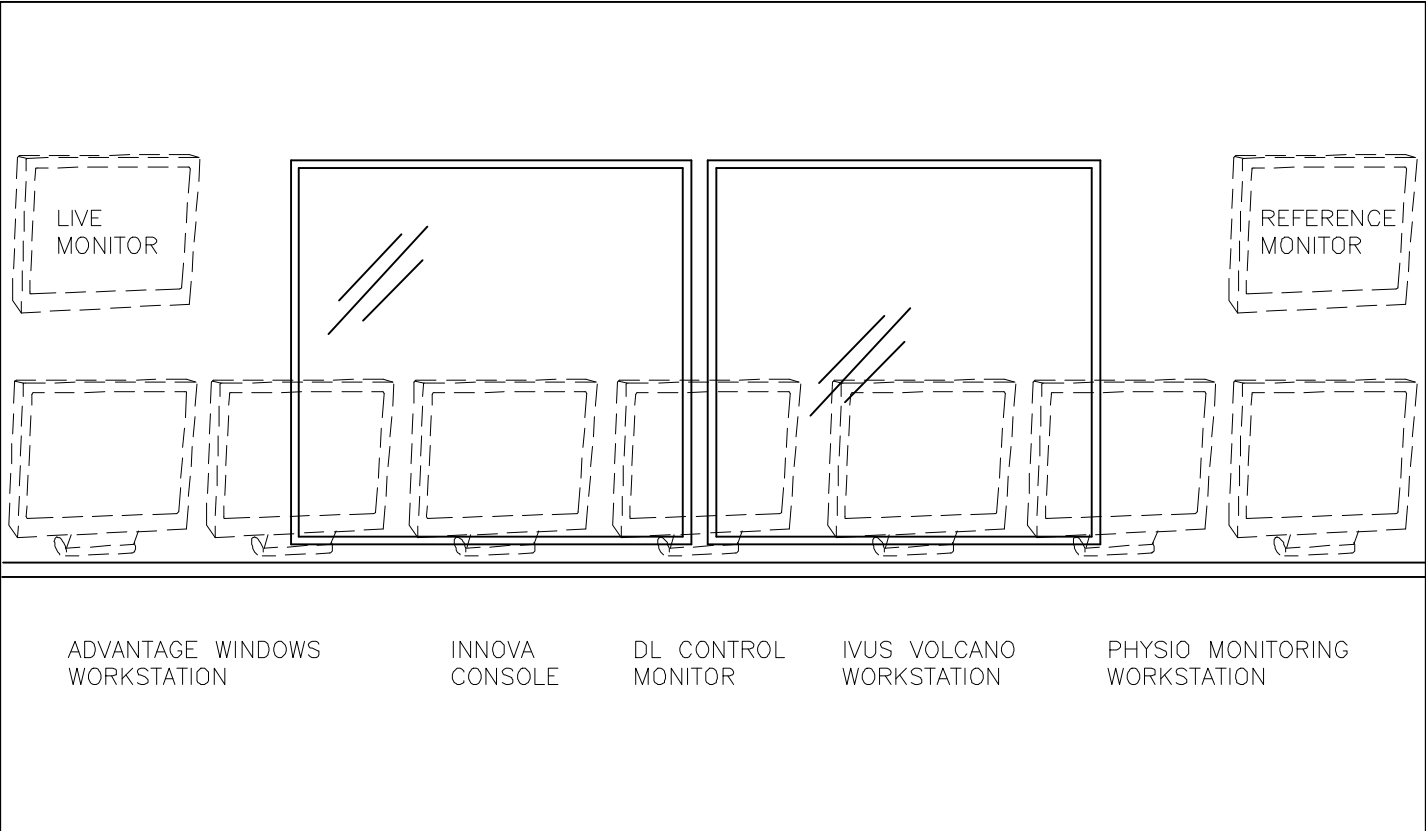
E4



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

TYPICAL CONTROL ROOM
INNOVA SINGLE PLANE

B5050C
REV. DATE: 08/26/08



DETAIL NOT TO SCALE

PROJECT TITLE:

CATH
LAB
TYPICAL FINAL LAYOUT

PROJECT	REVISION
CATH LAB	01
DATE:	10-30-08
DRAWN BY:	LLM
CHECKED BY:	TST

REVISION HISTORY:

SHEET

D3



GE Healthcare Technologies

Installation Services Design Center

Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: INNOVA 2100/ 3100

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT. IT IS NOT TO BE USED FOR CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF THE EQUIPMENT. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN AUTHORIZATION OF GE HEALTHCARE. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.