

# 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 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 \*

Definium 8000  
Preinstallation Manual  
5137435-100

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



## RAD Site Planning



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

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 #	GEHC Minimum Requirements	Storage: Is item ready?	Predict (Pre-ship): Is this item ready?	Verify (Delivery): Is item ready?	Validate (Mech install): Is item ready?	Comments
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 Definitions) 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 PMI-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 Healthcare Technologies**  
Installation Services Design Center  
Milwaukee, Wisconsin

SHEET TITLE: SITE READINESS  
MODALITY TYPE: DEFINIUM 8000

THIS PLAN IS SUBMITTED TO ASSIST LOCATIONS OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE, 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 RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
1-134F  
TYPICAL LAYOUT

PROJECT	REVISION
1-134	02
DATE:	06-26-08
DRAWN BY:	REK
CHECKED BY:	TRS

REVISION HISTORY:


SHEET  
C1

GE EQUIPMENT LISTING

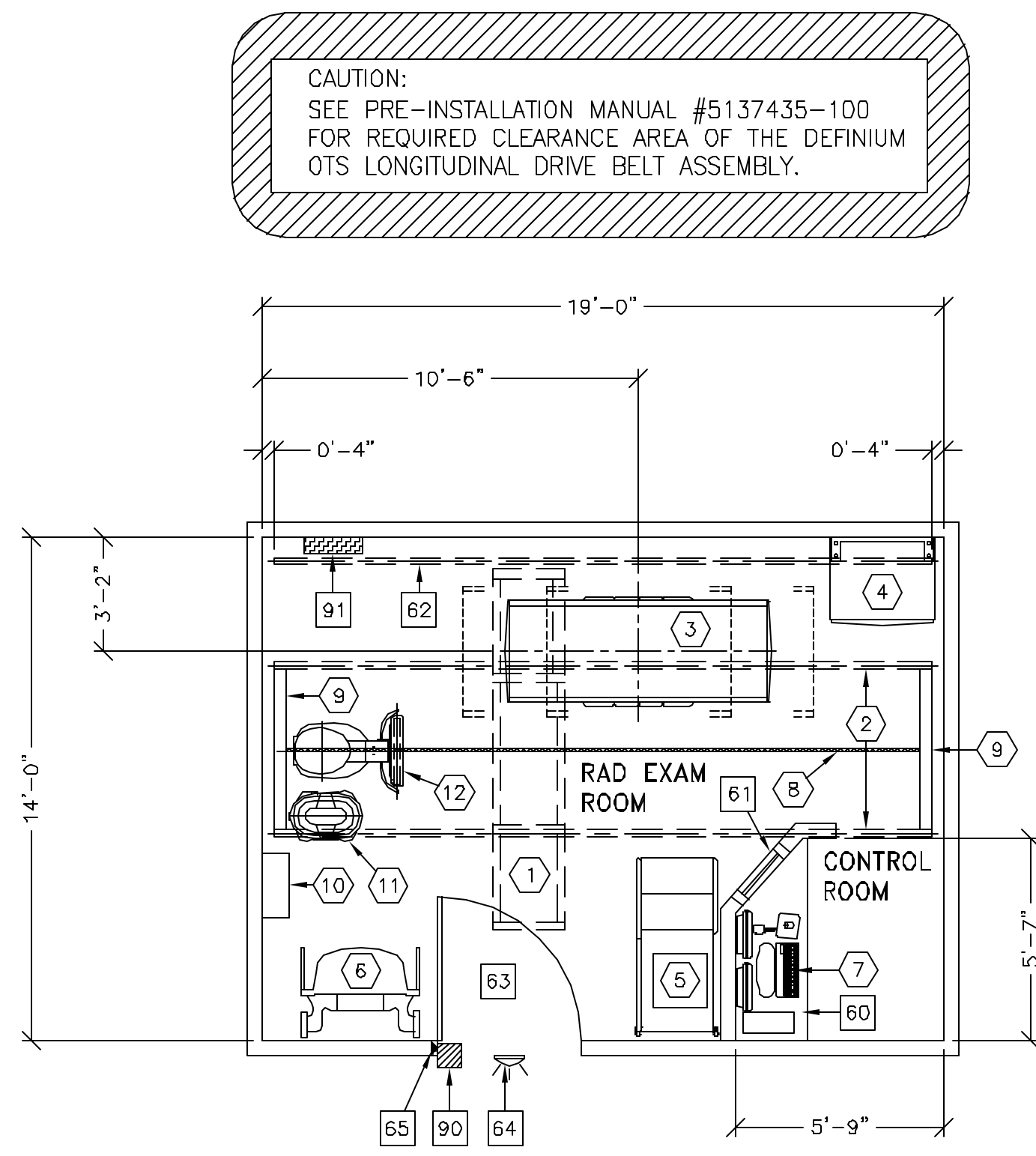
EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR GON WAS ISSUED AT THE DATE OF THESE DRAWINGS  
NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "0"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	EQUIPMENT CROSS REFERENCE CHART	
							SEISMIC STATUS	SEISMIC STATUS
1	1		XT RADIOGRAPHIC SUSPENSION WITH INBOARD MOUNTING.	628 lbs	501 btu	B2004	B20041	XTS1 C
2	2		LONGITUDINAL STATIONARY RAIL FOR XT SUSPENSION	68 lbs			B20041	C
3	1		DIGITAL ELEVATING TABLE	1058 lbs	1102 btu	B0557A	---	RT S
4	1		SYSTEMS CABINET	679 lbs	1098 btu	B0558E	---	SKL S
5	1		WEIGHT BEARING STAND	101 lbs		B30044	.	-
6	1		IMAGE PASTING BARRIER	200 lbs		B0557N	.	-
7	1		OPERATORS CONSOLE	74 lbs	1235 btu	C7617 C7502	.	WBC1 -
8	1		LONGITUDINAL DRIVE BELT 1 IN. WIDE				.	-
9	2		ANCHOR RAILS				.	-
10	1		GRID HOLDER (FIELD VERIFY IDEAL LOCATION)	35 lbs		B0557G	B0557H	S
11	1		DETECTOR SUPPORT ASSEMBLY	97 lbs		B0557D	---	DSA -
12	1		DIGITAL CHEST UNIT	595 lbs	819 btu	B0557E	B0557F	WLS C

P = PRE-APPROVAL  
C = CALCULATIONS/PENDING APPROVAL  
S = SPECIFICATIONS ONLY

SCALE: 1/4" = 1'-0" EQUIPMENT LAYOUT RECOMMENDED CEILING HEIGHT = 9'-6"

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.



CAUTION:  
SEE PRE-INSTALLATION MANUAL #5137435-100 FOR REQUIRED CLEARANCE AREA OF THE DEFINIUM OTS LONGITUDINAL DRIVE BELT ASSEMBLY.

THE FOLLOWING TOMO & IMAGE PASTING APPLICATIONS ARE POSSIBLE WITH THE LAYOUT AS SHOWN IN THESE DRAWINGS  
NOTE: NOT ALL TOMO/IMAGE PASTING OPTIONS MAY BE INCLUDED IN YOUR EQUIPMENT ORDER. PLEASE CONSULT YOUR EQUIPMENT ORDER OR QUOTE FOR VALIDATION.

	YES	NO
WALLSTAND TOMO & IMAGE PASTING	X	
CROSS TABLE TOMO (TO WALLSTAND)	X	
ENSIFERA TOMO (EXTENDED WALLSTAND)		X
TABLE TOMO	X	

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

ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	COUNTER TOP FOR EQUIPMENT. MINIMUM DEPTH 24 IN. AND ADDITIONAL SHELVING MAY BE REQUIRED BELOW COUNTER TOP FOR PC TOWER. PROVIDE GROMMETTED OPENINGS AS REQUIRED TO ROUTE CABLES.
61	CONTROL WALL, 7 FT. HIGH WITH LEAD GLASS VIEWING WINDOW.
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	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL 800-803-9760 GE CAT. NO. WX1ABW-0F-XIU
65	DOOR LIMIT SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)

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

66	X-RAY ROOM WARNING LIGHT CONTROL PANEL REFERENCE JUNCTION POINT 'XRF' ON SHEET 'E1' FOR DETAILED DESCRIPTION -E4502RL FOR WARNING LIGHT CONTROL ONLY.
67	MAIN DISCONNECT, REFERENCE JUNCTION POINT 'A' ON SHEET 'E1' FOR DETAILED DESCRIPTION. CAT. NO. E4502ST OR WITH AUTO RESTART E4502RP. (20' W x 48 H x 6 68 IN. D)

GENERAL SPECIFICATIONS

- 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

- AMBIENT OPERATING TEMPERATURE: 59 TO 95 DEGREES (F), MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 10 DEGREES (C)/HOUR.
- HUMIDITY: REFER TO PREINSTALLATION MANUAL FOR THE EQUIPMENT ILLUSTRATED ON THIS DRAWING.
- ALTITUDE: NOT TO EXCEED 8,000 FT. ABOVE SEA LEVEL.
- THE ENVIRONMENT FOR THE ELECTRONICS CABINET MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.
- DO NOT RESTRICT THE AIR INTAKE AT THE LOWER FRONT OR AIR EXHAUST AT THE TOP OF THE ELECTRONICS CABINETS.

MAGNETIC INTERFERENCE SPECIFICATIONS

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

**GE Healthcare Technologies**  
Installation Services Design Center  
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT  
MODALITY TYPE: DEFINIUM 8000  
THIS PLAN IS SUBMITTED TO SUBMIT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL, MECHANICAL, 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 RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
1-134F  
TYPICAL LAYOUT

PROJECT	REVISION
1-134	02

DATE: 06-26-08  
DRAWN BY: REK  
CHECKED BY: TRS

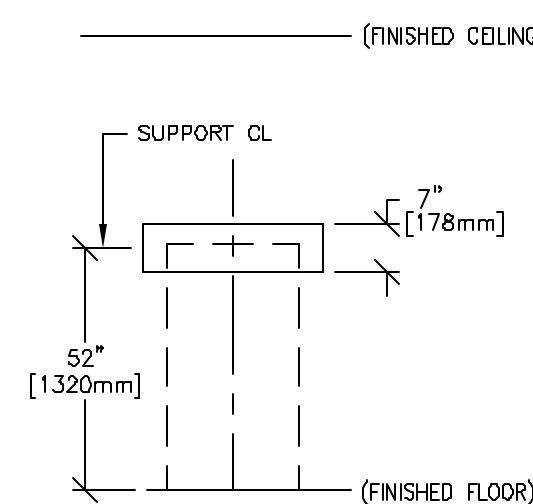
REVISION HISTORY:


SHEET  
A1

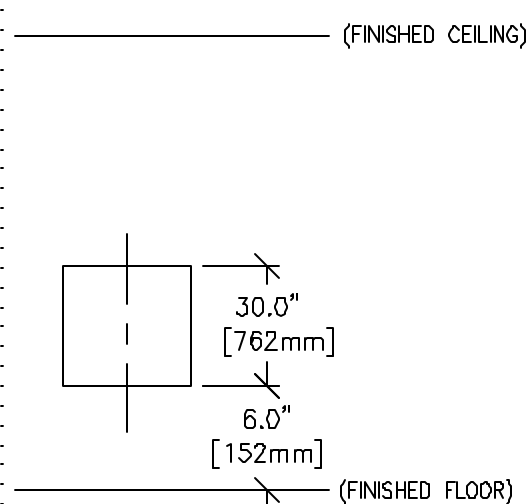
TYPICAL WALL SUPPORT ELEVATIONS

S117

S106



SUPPORT FOR DEFINIUM SYSTEMS CABINET (NOT TO SCALE)

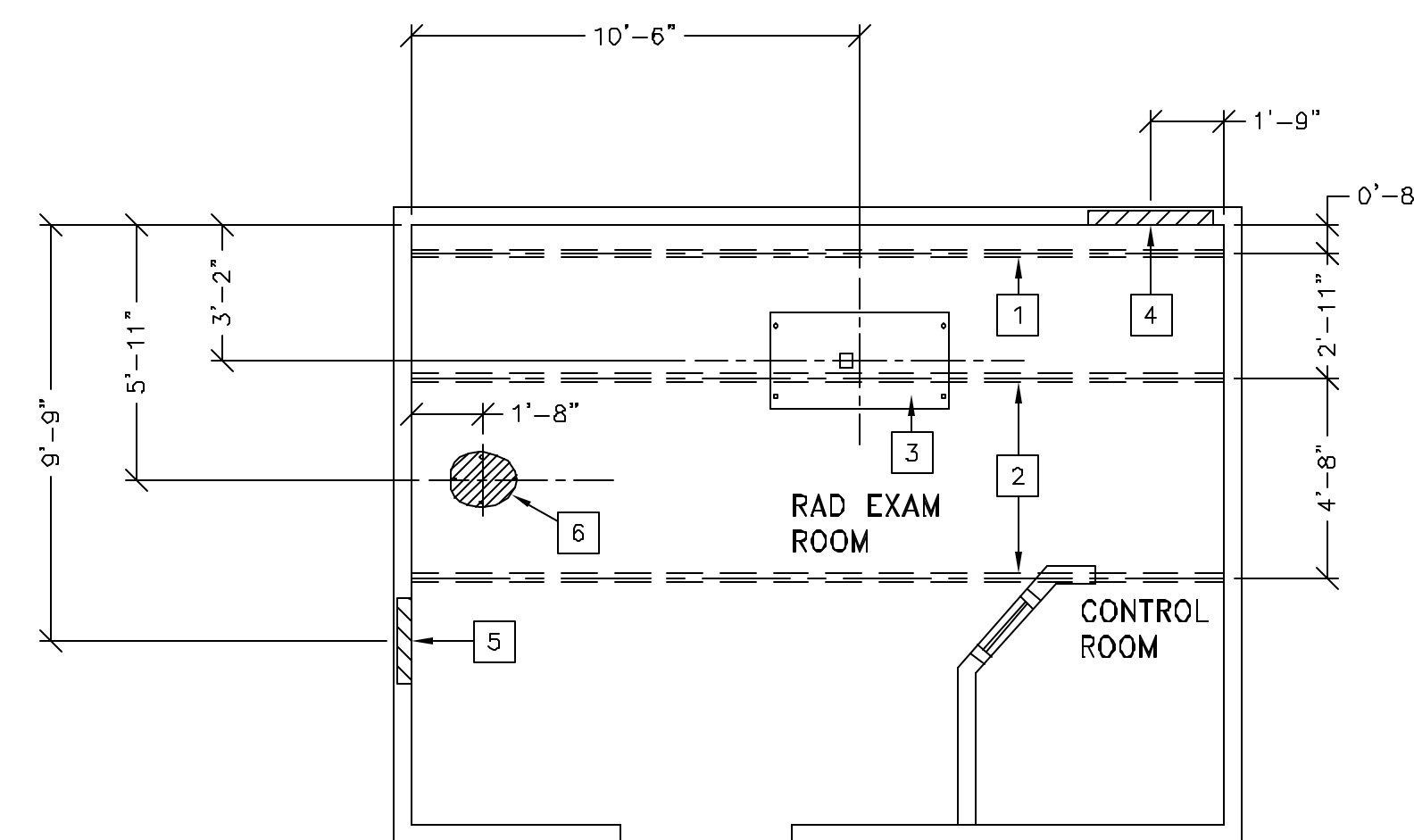


SUPPORT FOR GRID HOLDER (NOT TO SCALE)

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	>>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'-0" 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.
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'-0" 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	FLOOR CONTACT AREA FOR TABLE Seismic Zone ANCHORING HARDWARE ----- < DETECTOR SUPPORT > ANCHORS = Hilti KB3 - 3/8 x 3.75 in. (4 ea.) < WALL STAND > ANCHORS = Hilti KB3 - 1/2 x 9 in. (4 ea.) < GRID HOLDER > SCREWS = No. 12 TEK Screws (4 ea.) < SYSTEM CABINET > ANCHORS = Hilti KB3 - 3/8 x 3.75 in. (4 ea.) < SYSTEM CABINET > SCREWS = No. 12 TEK Screws (4 ea.) < TABLE > ANCHORS = Hilti KB3 - 1/2 x 9 in. (4 ea.) ALL ANCHORS TO INCLUDE 1 FLATWASHER, 1 LOCKWASHER AND 1 NUT. ALL BOLTS TO INCLUDE 2 FLATWASHERS, 1 LOCKWASHER AND 1 NUT. ALL BRACKETS ARE SHIPPED WITH GE EQUIPMENT.
4	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S117, FOR SYSTEMS CABINET.
5	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S106, FOR GRID HOLDER.
6	FLOOR CONTACT AREA FOR CHEST READER

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: DEFINIUM 8000

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PROJECT TITLE:  
1-134F  
TYPICAL LAYOUT

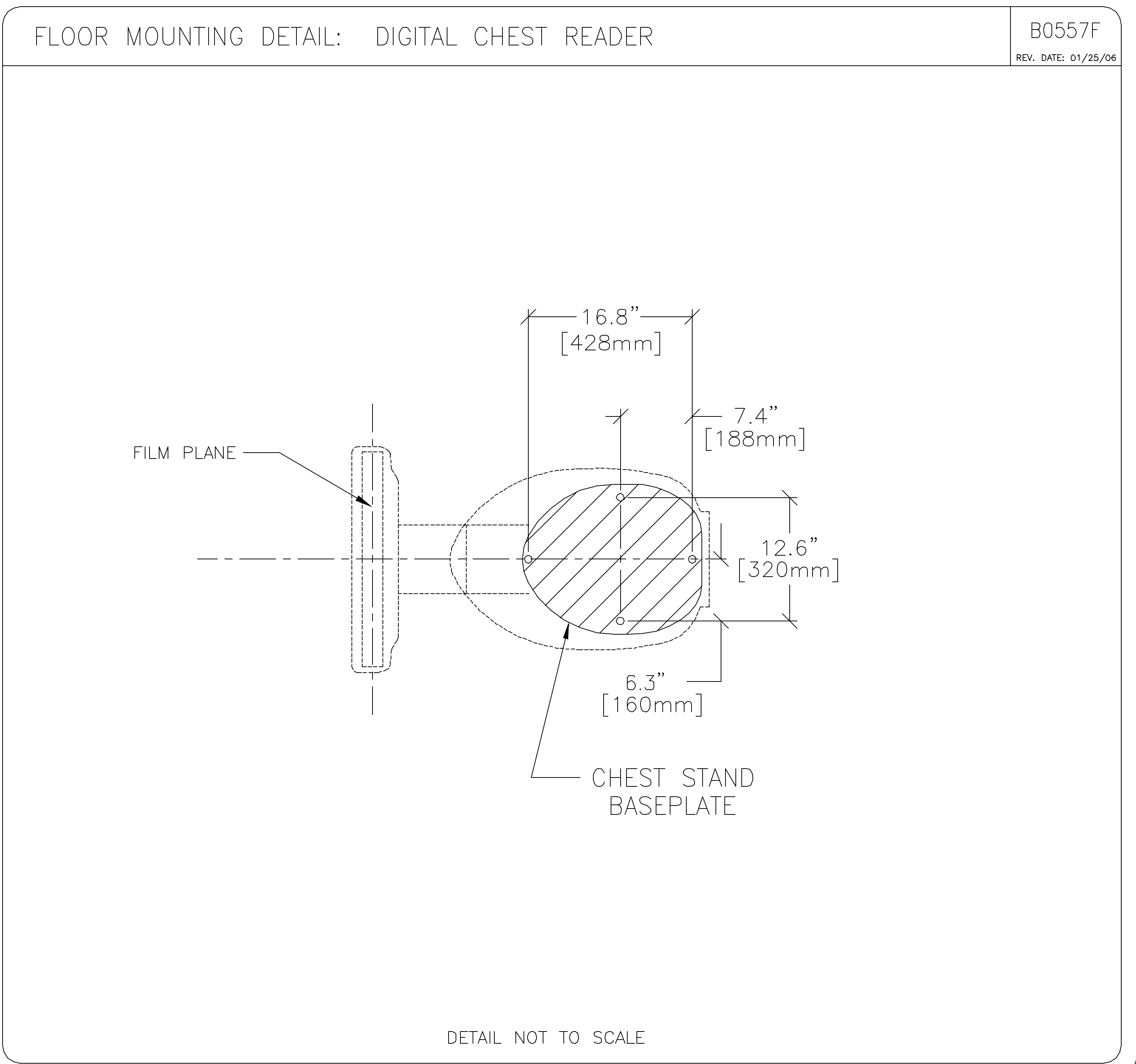
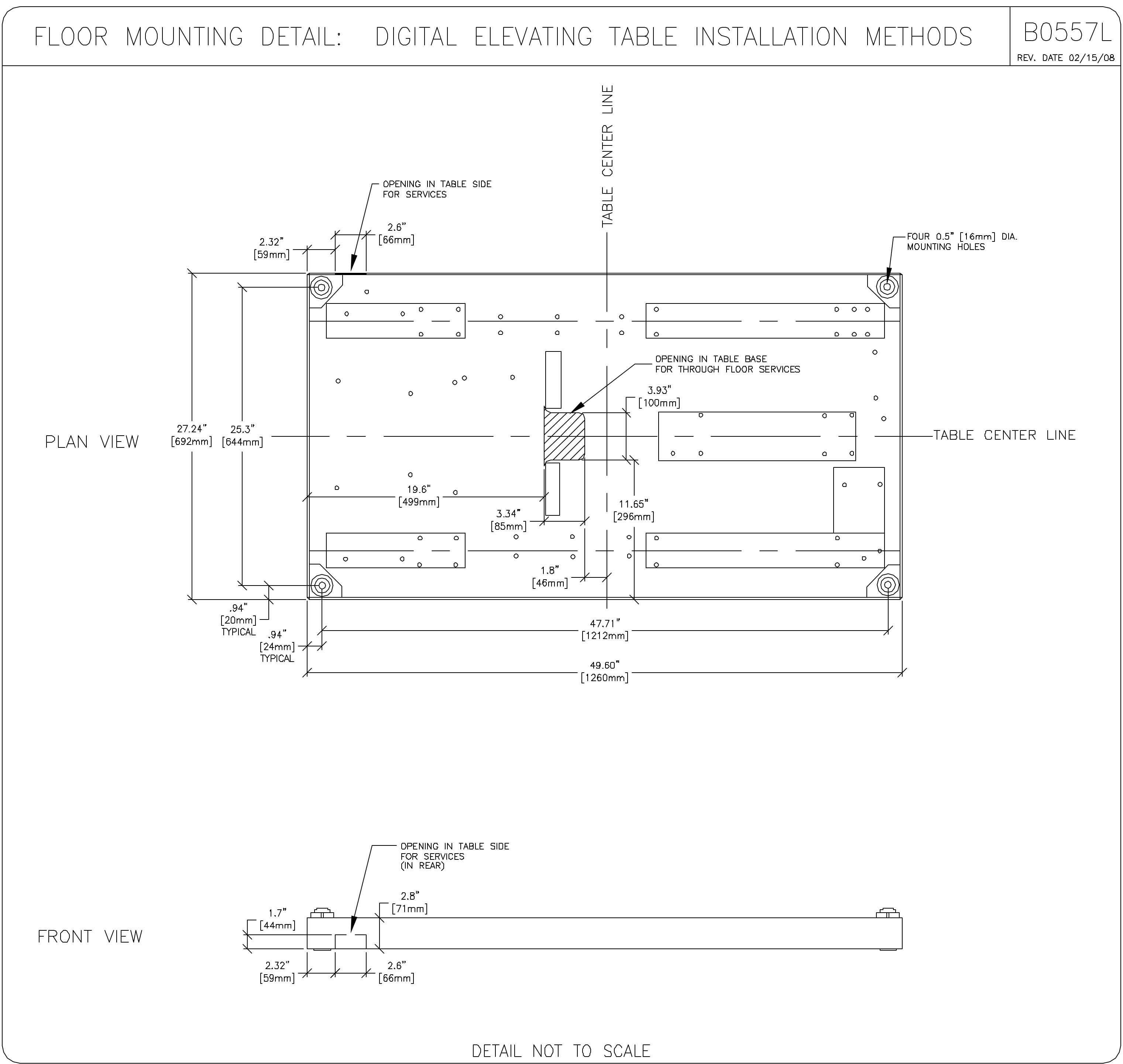
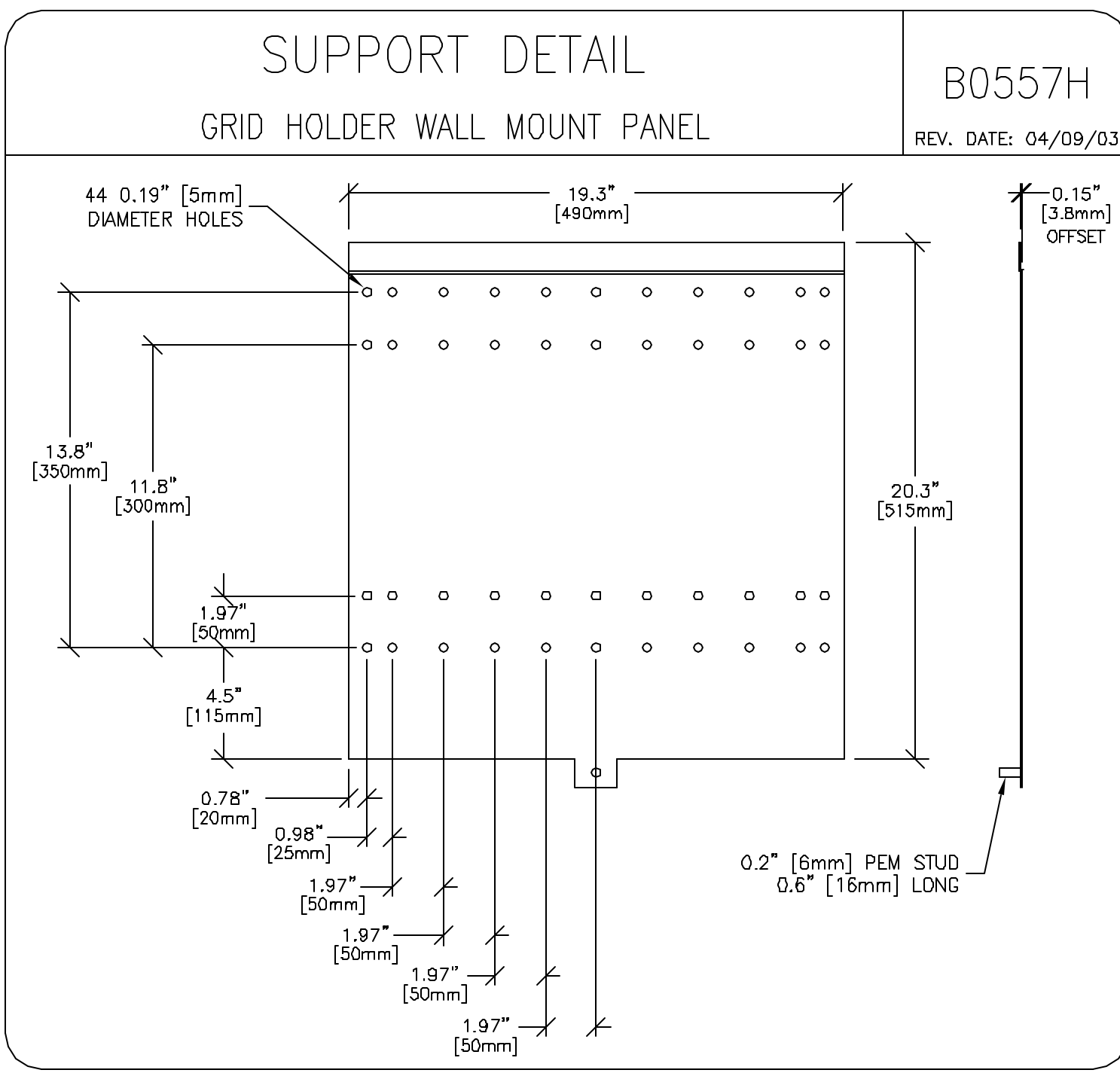
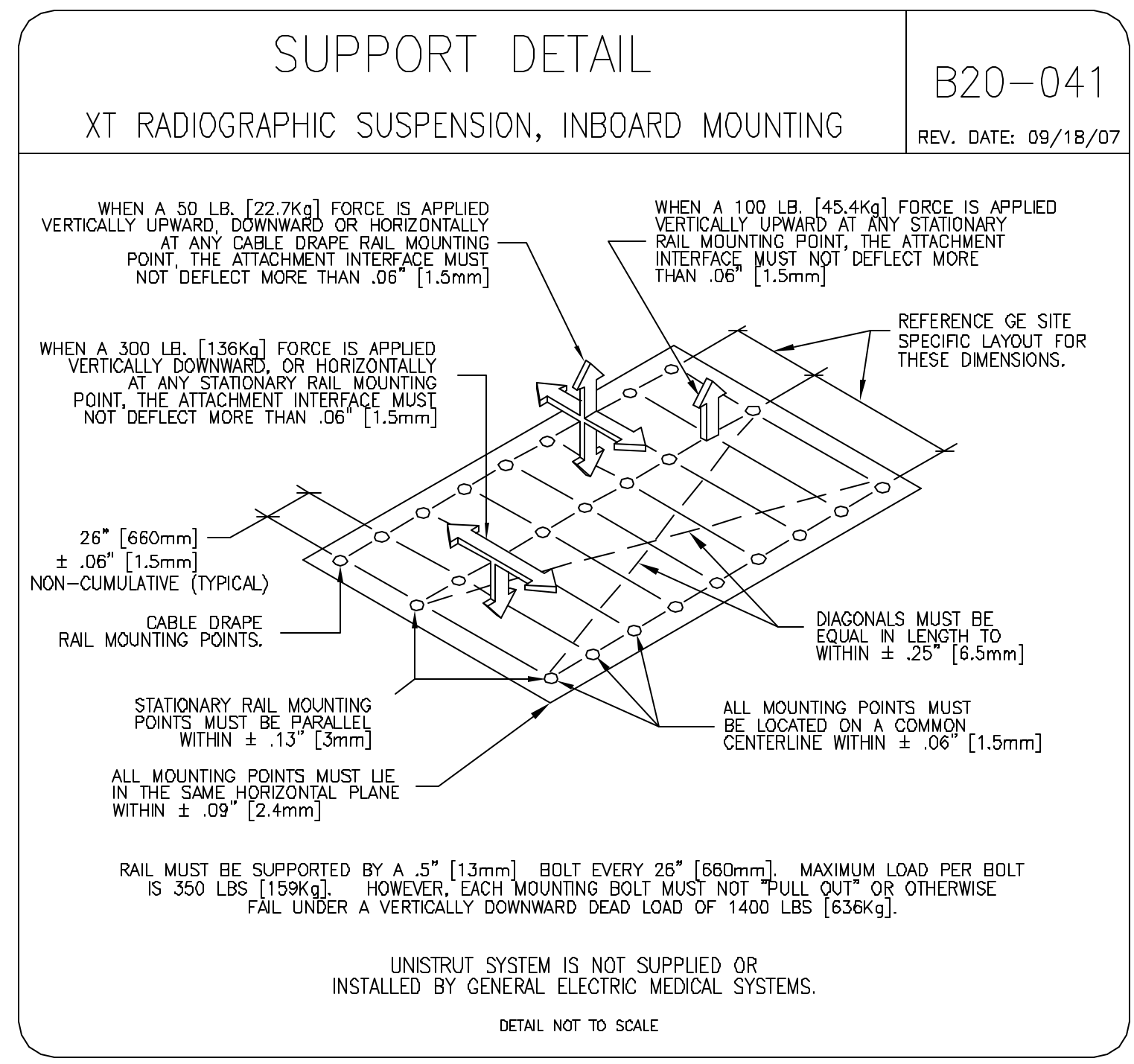
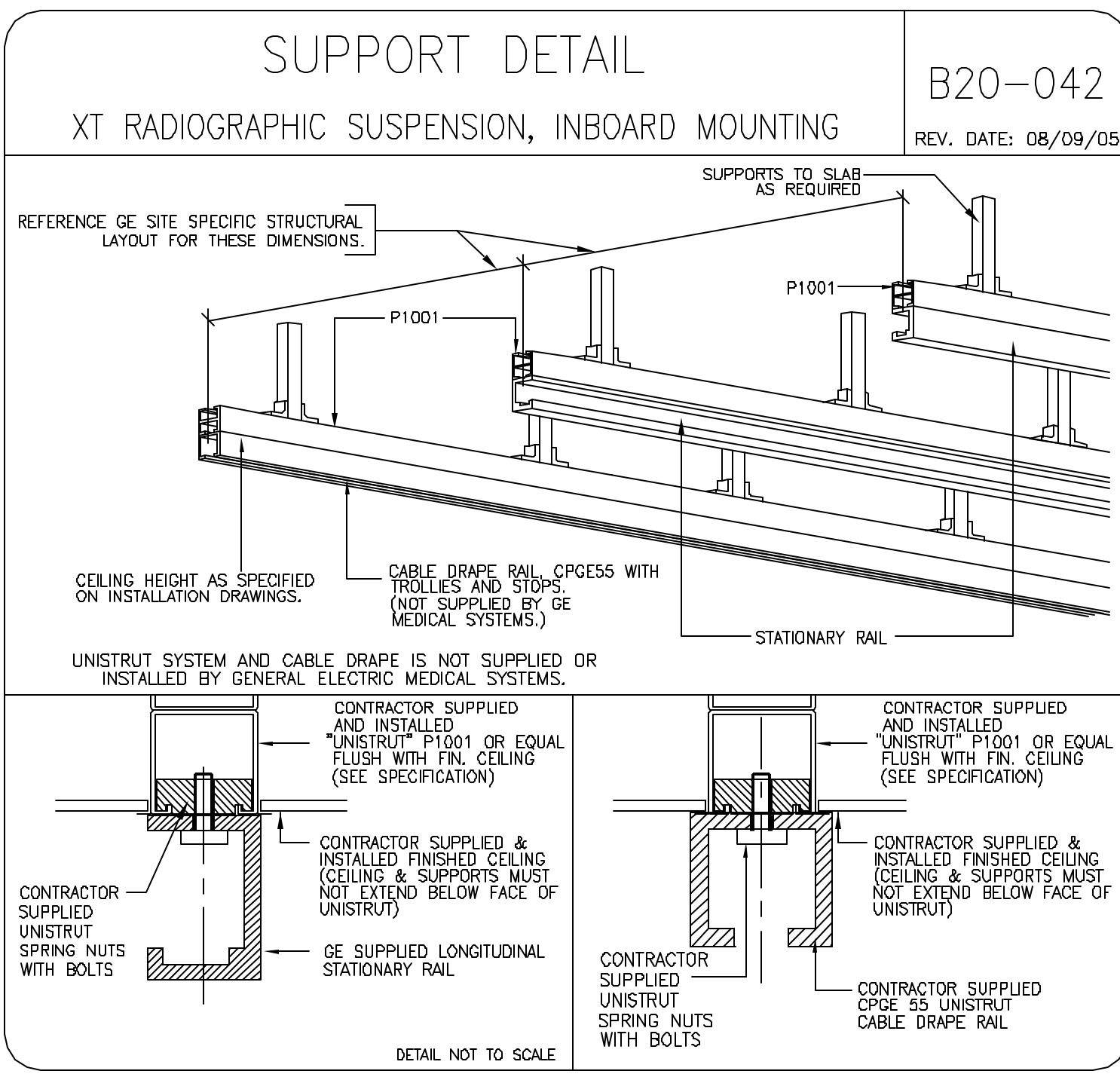
PROJECT	REVISION
1-134	02

DATE: 06-26-08  
DRAWN BY: REK  
CHECKED BY: TRS

REVISION HISTORY:  
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\_\_\_\_\_  
\_\_\_\_\_

SHEET  
S1

**GE Healthcare Technologies**  
Installation Services Design Center  
Milwaukee, Wisconsin



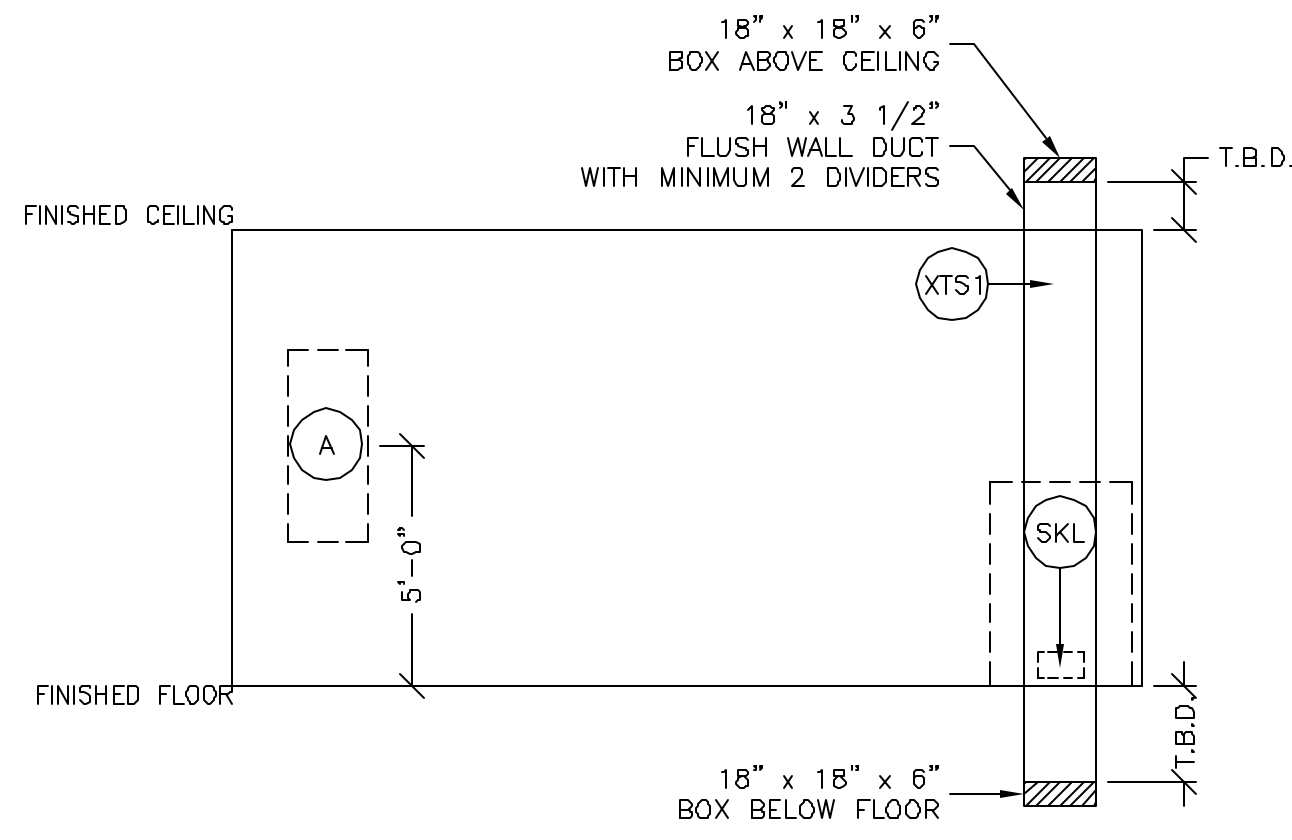
PROJECT	REVISION
1-134	02
DATE:	06-26-08
DRAWN BY:	REK
CHECKED BY:	TRS

REVISION HISTORY:


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

ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 9'-6"



JEDI BOKW SYSTEMS CABINET REV. DATE: 04/24/07

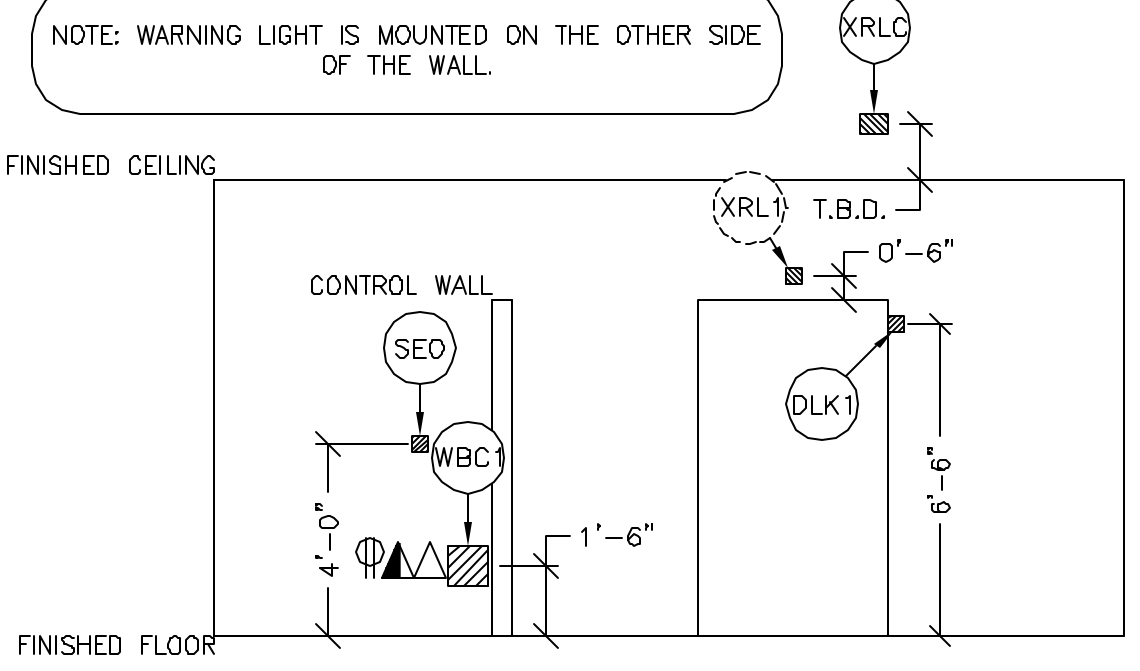
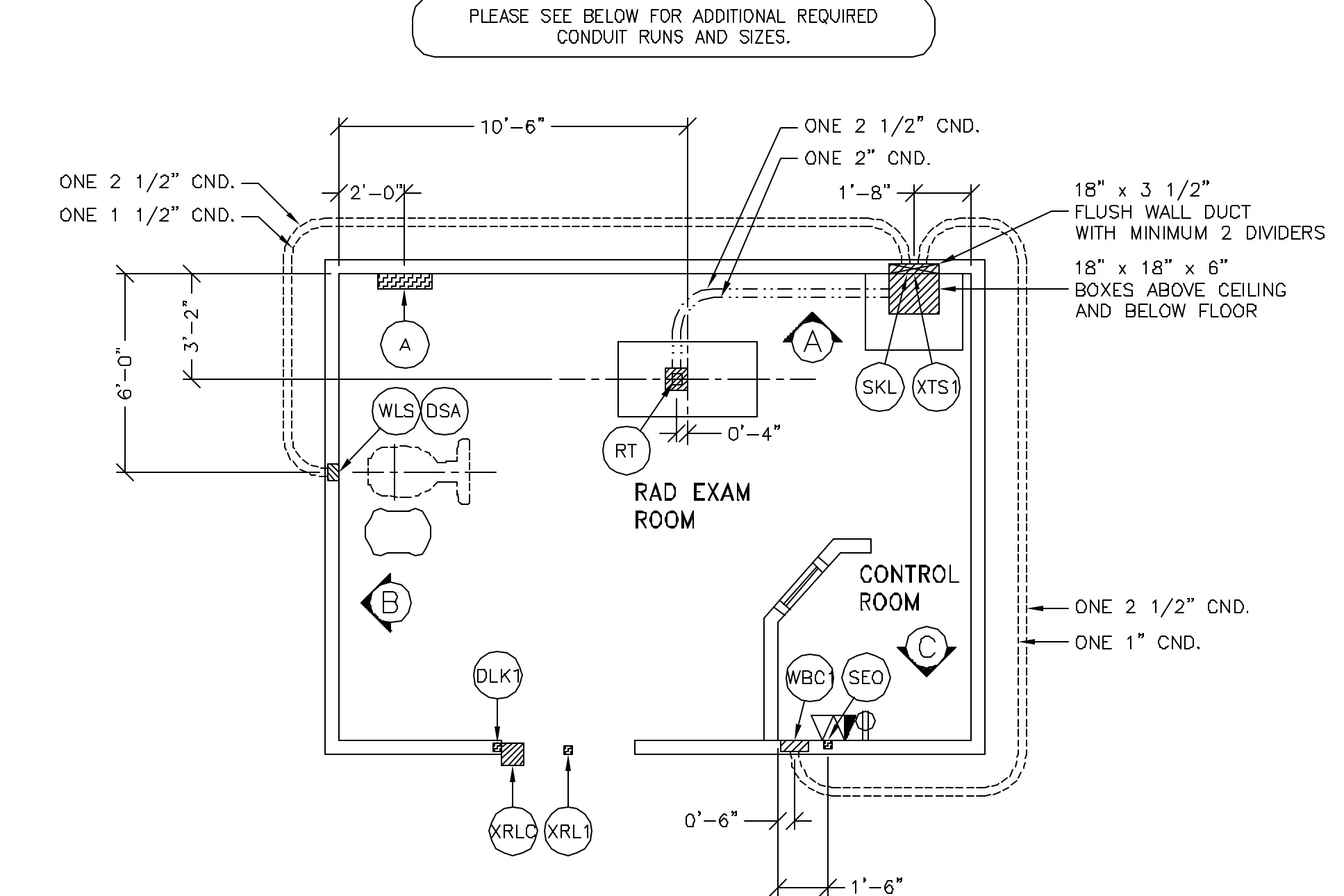
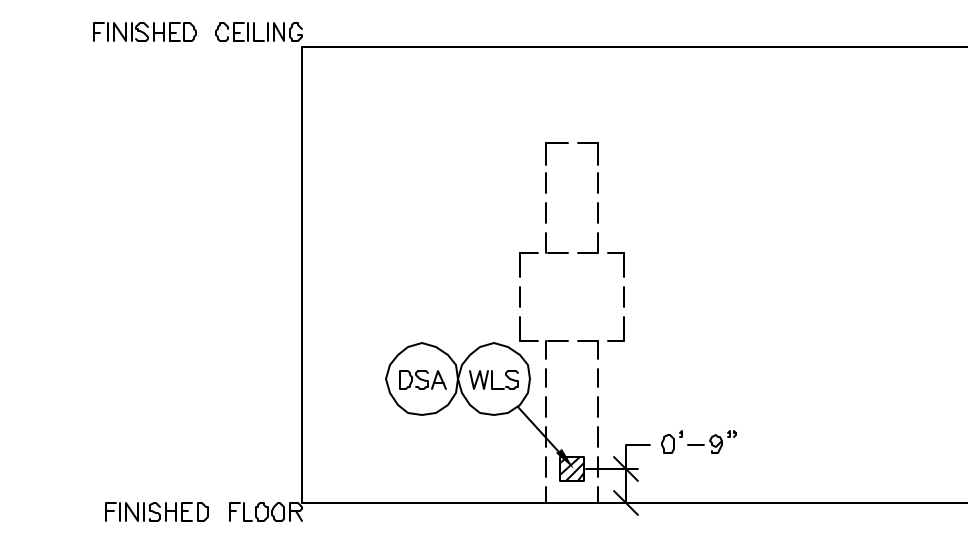
\* CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.  
 \* RECOMMENDED FEEDER SIZES FROM DISTRIBUTION TRANSFORMER TO THE POWER CABINET  
 \* NEUTRAL MUST BE TERMINATED INSIDE THE MAIN DISCONNECT PANEL AND NOT AT ANY CE CABINET.  
 \* THE GROUNDING CONDUCTOR WILL BE OF SAME SIZE AS THE FEEDER WITH A 1/0 MINIMUM. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE FACILITY POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.  
 \* MINIMUM WIRE SIZE FOR CIRCUIT BREAKER, BASED ON RECOMMENDED OVERCURRENT PROTECTION.  
 \* FOR A FULL SYSTEM UPS, REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE											
	342-418 380		380-440 400		373-456 420		396-484 440		414-508 460		432-528 480	
	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND
50	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)
100	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)
150	1/0 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)	* 2 (1/0)
200	2/0 (2/0)	2/0 (2/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)	1 (1/0)
250	3/0 (3/0)	3/0 (3/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)	1/0 (1/0)
300	4/0 (4/0)	4/0 (4/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)	2/0 (2/0)
350	300M (300M)	250M (250M)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)	3/0 (3/0)
400	350M (350M)	300M (300M)	250M (250M)	250M (250M)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)	4/0 (4/0)
450	400M (400M)	350M (350M)	300M (300M)	300M (300M)	250M (250M)	250M (250M)	250M (250M)	250M (250M)	250M (250M)	250M (250M)	4/0 (4/0)	4/0 (4/0)

- JUNCTION POINT NOTES**
- o ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
  - o CONDUIT AND DUCT RUNS SHALL HAVE SWEEP RADIUS BENDS
  - o CONDUITS AND DUCT ABOVE CEILING OR BELOW FINISHED FLOOR MUST BE INSTALLED AS NEAR TO CEILING OR FLOOR AS POSSIBLE TO REDUCE RUN LENGTH.
  - o CEILING MOUNTED JUNCTION BOXES ILLUSTRATED ON THIS PLAN MUST BE INSTALLED FLUSH WITH FINISHED CEILING.
  - o 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.
  - o ALL OPENINGS IN ACCESS FLOORING ARE TO BE CUT OUT AND FINISHED OFF WITH GROMMET MATERIAL BY THE CUSTOMER'S CONTRACTOR.
  - o GENERAL CONTRACTOR TO INSERT PULL CORDS FOR ALL CABLE RUN CONDUITS BETWEEN THE EQUIPMENT ROOM AND THE OPERATORS CONTROL ROOM.
  - o 10 FOOT PITTAILS AT ALL JUNCTION POINTS.
  - o ALL WIRING MUST BE THHN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT INSULATION. ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.
  - o GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

JUNCTION POINT DESCRIPTIONS

POINT	DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SH. E3
A	MAIN DISCONNECT AVAILABLE FROM GEMSG, CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	80-AMP CIRCUIT BREAKER PANEL WITH AUTO RESTART FEATURE-E4502RP. EMERGENCY OFF PUSHBUTTON STATION IS INCLUDED.	ELEC-15
DLK1	DOOR SWITCH	1	ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (<24V)	ELEC-48
DSA	DETECTOR SUPPORT ASSEMBLY	1	CONNECT EXTERNALLY	ELEC-138 ELEC-126
RT	TABLE	1	3 IN. CONDUIT STUBBED 2 IN. ABOVE FLOOR	ELEC-48
SED	EMERGENCY OFF	1	SUITABLE BUSHING & LOCKNUT 8 X 8 X 4 IN. BOX BELOW FLOOR	ELEC-138 ELEC-126
SKL	SYSTEMS CABINET	1	PROVIDE A SINGLE GANG, 2 1/8 IN. DEEP, FLUSH MTD. WALL BOX	ELEC-2 ELEC-6
WBC1	OPERATORS CONSOLE	1	32 IN. OF GROMMET MATERIAL FOR AN 8 X 8 IN. OPENING IN DUCT COVER	ELEC-141
WLS	CHEST UNIT	1	10 X 10 X 4 IN. BOX	ELEC-79
XRL1	WARNING LIGHT	1	SPLIT COVERPLATE NIPPLE 1/2 IN. DIA. CHASE NIPPLE 5 X 6 X 4 IN. BOX WITH DIVIDER	ELEC-72
XRLC	WARNING LIGHT CONTROLLER AVAILABLE FROM GEMSG, CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	E4502RL WARNING LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER	ELEC-72
XTS1	X-RAY TUBE HANGER	1	SINGLE GANG BOX 7 X-RAY ON INCANDESCENT LIGHT FIXTURE, 24V, 8 AMP OR LESS LOW VOLTAGE SOURCE. DO NOT USE FLUORESCENT FIXTURES.	ELEC-6



- DUCT HATCHING LEGEND**
- ABOVE CEILING DUCT
  - UNDER FLOOR DUCT
  - TRENCH DUCT (FLUSH FLOOR)
  - SURFACE FLOOR DUCT
  - ABOVE CEILING CONDUIT
  - BELOW FLOOR CONDUIT
- ELECTRICAL OUTLET LEGEND**  
 CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS. HEIGHT ABOVE FLOOR DETERMINED BY LOCAL CODES UNLESS OTHERWISE SPECIFIED.
- DUPLEX HOSPITAL GRADE, DEDICATED 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)

ADDITIONAL CONDUIT RUNS FOR REVOLUTION XQ/i, XR/d, 2X & DEFINIUM 8000 (BY CONTRACTOR)

CONDUITS REQUIRED FOR BASE SYSTEM (CONDUITS ARE LOCATED ABOVE CEILING)

TO	FROM	QUANTITY, WIRE SIZE/COLOR
XRLC	TO XRL1	ONE 1/2" CND.
XRLC	TO SKL	ONE 1/2" CND.
XRLC	TO 120-V 14 POWER	CND. AS REQ'D
A	TO SKL	ONE CND. AS REQ'D
A	TO SEO	ONE 1/2" CND.
A	TO FEEDER	ONE CND. AS REQ'D
DLK1	TO SKL	ONE 1/2" CND.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONTRACTOR SUPPLIED AND INSTALLED WIRING

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

WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
XRLC > 1 PHASE	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN
A > SEO	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN
A > SKL	3-BLACK, 1-GREEN - REFER TO FEEDER TABLE
SKL > XRLC	2-NO. 14 BLACK, 1-NO. 14 RED, 1-NO. 14 WHITE
400-V > A	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
XRL1 > XRLC	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN

**GE Healthcare Technologies**  
 Installation Services Design Center  
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT  
 MODALITY TYPE: DEFINIUM 8000

THIS PLAN IS SUBMITTED TO SUBMITTER FOR REVIEW OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED 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 CONSTRUCTION OF THE PROJECT UNLESS THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
 1-134F  
 TYPICAL LAYOUT

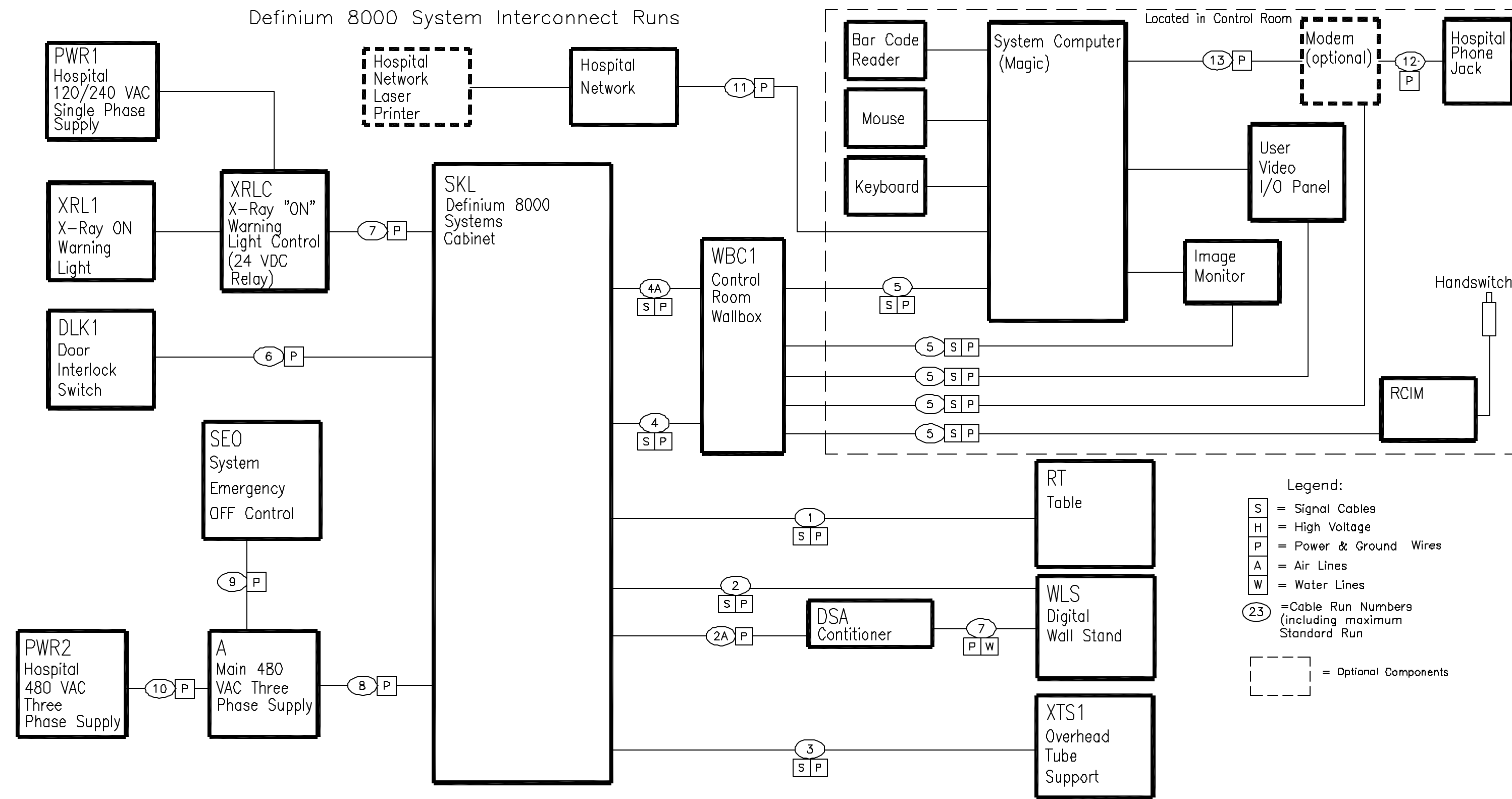
PROJECT	REVISION
1-134	02

DATE: 06-26-08  
 DRAWN BY: REK  
 CHECKED BY: TRS

REVISION HISTORY:

SHEET  
 E1

INTERCONNECT DIAGRAM



Run Number	MIS Number	Description	Short Cables (Standard)		Usable Length	Long Cables (Optional)		Voltage Rating	
			Part Number	FEET (METERS)		Part Number	FEET (METERS)		
1 - System Cabinet to Table	11632A	Table CANopen	2407432-35	49.2 FT. (15M)	41.0 FT. (12.5M)	2407432-36	65.6 FT. (20M)	300	
	11750A	Table Ion Chamber	2407432	49.2 FT. (15M)	41.0 FT. (12.5M)	2407432-9	65.6 FT. (20M)	300	
	11753A	Table Detector PS 120VAC	2407432-4	49.2 FT. (15M)	41.0 FT. (12.5M)	2407432-12	65.6 FT. (20M)	300	
	11754A	Table Emergency Stop RT Line	2407432-5	49.2 FT. (15M)	41.0 FT. (12.5M)	2407432-13	68.8 FT. (21M)	300	
	11752A	Table Ground	2407432-2	49.2 FT. (15M)	41.0 FT. (12.5M)	2407432-10	65.6 FT. (20M)	600	
	20004	(Det. 1) Conditioner Status	5139187-1	49.2 FT. (15M)	41.0 FT. (12.5M)	5139187-2	68.8 FT. (21M)	300	
	20005	Table Power 220VAC	5139187-3	49.2 FT. (15M)	41.0 FT. (12.5M)	5139187-4	65.6 FT. (20M)	600	
2 - System Cabinet to Wallstand	20018	Wallstand CAN	5139187-12	49.2 FT. (15M)	39.3 FT. (12M)	5139187-13	65.6 FT. (20M)	300	
	11759A	Wallstand Ion Chamber	2407432-32	49.2 FT. (15M)	39.3 FT. (12M)	2407432-31	65.6 FT. (20M)	300	
	11756A	Wallstand Power 120VAC	2407432-7	49.2 FT. (15M)	36.9 FT. (11.25M)	2407432-15	65.6 FT. (20M)	600	
2A - System Cabinet to Conditioner	11757A	Wallstand Ground	2407432-8	49.2 FT. (15M)	39.3 FT. (12M)	2407432-16	65.6 FT. (20M)	600	
	11755A	Wallstand Conditioner 120VAC	2407432-6	49.2 FT. (15M)	42.6 FT. (13M)	2407432-14	65.6 FT. (20M)	600	
	20006	(Det. 2) Conditioner Status	5139187-5	49.2 FT. (15M)	42.6 FT. (13M)	5139187-6	68.8 FT. (21M)	300	
3 - System Cabinet to OTS	20012	OTS CAN	5139257	49.2 FT. (15M)	44.2 FT. (13.5M)	5139257-7	65.6 FT. (20M)	300	
	20013	OTS Tube 1 Stator / Fan & Pressure Switch (2 cables in bundled)	5139257-2	49.2 FT. (15M)	44.2 FT. (13.5M)	5139257-8	65.6 FT. (20M)	600/300	
	20014	OTS Power	5139257-3	49.2 FT. (15M)	44.2 FT. (13.5M)	5139257-9	65.6 FT. (20M)	600	
	20015	OTS Tube 1 Cathode	5139257-4	49.2 FT. (15M)	44.2 FT. (13.5M)	5139257-10	65.6 FT. (20M)	75kV	
	20016	OTS Tube 1 Anode	5139257-5	49.2 FT. (15M)	44.2 FT. (13.5M)	5139257-11	65.6 FT. (20M)	75kV	
	20017	OTS Ground	5139257-6	49.2 FT. (15M)	45.9 FT. (14M)	5139257-12	65.6 FT. (20M)	600	
4 - System Cabinet to Console Wallbox	11760A	Generator (Jedi) CAN	2407432-17	65.6 FT. (20M)	59.0 FT. (18M)	na	na	300	
	11761A	System CAN Open	2407432-18	65.6 FT. (20M)	59.0 FT. (18M)	na	na	300	
	11763A	Control Room Power	2407432-20	65.6 FT. (20M)	59.0 FT. (18M)	na	na	600	
	11764A	Ground	2407432-21	65.6 FT. (20M)	59.0 FT. (18M)	na	na	600	
	20007	RCIM	5139187-7	65.6 FT. (20M)	59.0 FT. (18M)	na	na	600	
	20008	Table Chiller Serial A	5139187-8	65.6 FT. (20M)	62.3 FT. (19M)	na	na	300	
	20009	DSA Chiller Serial B	5139187-9	65.6 FT. (20M)	62.3 FT. (19M)	na	na	300	
	11776A	Ground	2407432-41	59.0 FT. (18M)	45.9 FT. (14M)	2407432-42	75.4 FT. (23M)	600	
	4A - System Cabinet to System Computer (via Wallbox)	11590A	External Ethernet (customer supplied)						
		11767A	Generator (Jedi) CAN	2407432-24	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300
5 - Wallbox to System Computer or Control Components	11768A	System CAN Open	2407432-25	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	11770A	120VAC from PDU	2407432-27	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	11769A	RCIM	2407432-26	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	20011	DSA Chiller Serial	5139187-11	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	20010	Table Chiller Serial	5139187-10	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	11774A	120VAC for right monitor	2407432-39	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	11775A	120VAC for left monitor	2407432-40	9.8 FT. (3M)	9.8 FT. (3M)	na	na	300	
	6 - System Computer to Wallstand (via Wallbox and System Cabinet)	20002	Ethernet - Wallstand Detector	5138766	164.0 FT. (50M)	137.5 FT. (42M)	na	na	125
20003		Ethernet - Table Detector	5138766-2	164.0 FT. (50M)	142.5 FT. (43.5M)	na	na	125	
7 - Wallstand to DSA	20019	Power Supply CAN	5152154	6.5 FT. (2M)	3.2 FT. (1M)	na	na	300	
	20020	Detector Power (DC)	5152155	6.5 FT. (2M)	3.2 FT. (1M)	na	na	???	
	11583A	Gnd	2231833	4.9 FT. (1.5M)	3.2 FT. (1M)	na	na	600	

POWER SPECIFICATIONS

JEDI 80kw SYSTEMS CABINET REV. DATE: 04/16/08

VOLTAGE: PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS. RANGE OF LINE VOLTAGES NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, WITHOUT NEUTRAL, 50 OR 60 Hz.

REQUIRED POWER SUPPLY: WYE DISTRIBUTION

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

NOMINAL VOLTAGE	NORMAL RANGE ±10 PERCENT	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION
		MAX. MOMENTARY	CONTINUOUS	
380	342-418	180	7	110-A
400	360-440	181	6.6	110-A
415	373-456	172	6.3	110-A
440	396-484	164	6	110-A
460	414-506	157	5.8	80-A
480	432-528	151	5.5	80-A

ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE

NOTE: LOW LINE CONDITIONS MAY INHIBIT SOME HIGH KV<sub>p</sub> TECHNIQUES. THE GENERATOR AUTOMATICALLY ESTABLISHES THESE INHIBITS BASED ON ACTUAL LINE CONDITIONS AND SYSTEM REGULATION.

PHASE-TO-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 = 4.6 KVA. (MAX DEMAND = 125 KVA)

DEMAND	PRECISION 80 KW
kva * POWER FACTOR AT	125 0.73
mA	630
kVp	80

\* DEMAND INCLUDES POWER FOR ENTIRE SYSTEM. LINE VOLTAGE REGULATION AT MAXIMUM POWER DEMAND MUST BE LESS THAN OR EQUAL TO 5 PERCENT.

DISTRIBUTION TRANSFORMER: FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 150 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.

GE Healthcare Technologies  
 Installation Services Design Center  
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS  
 MODALITY TYPE: DEFINIUM 8000  
 THIS PLAN IS SUBMITTED TO SUBMIT LOCATIONS OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL SPECIFICATIONS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
 1-134F  
 TYPICAL LAYOUT

PROJECT	REVISION
1-134	02

DATE: 06-26-08  
 DRAWN BY: REK  
 CHECKED BY: TRS

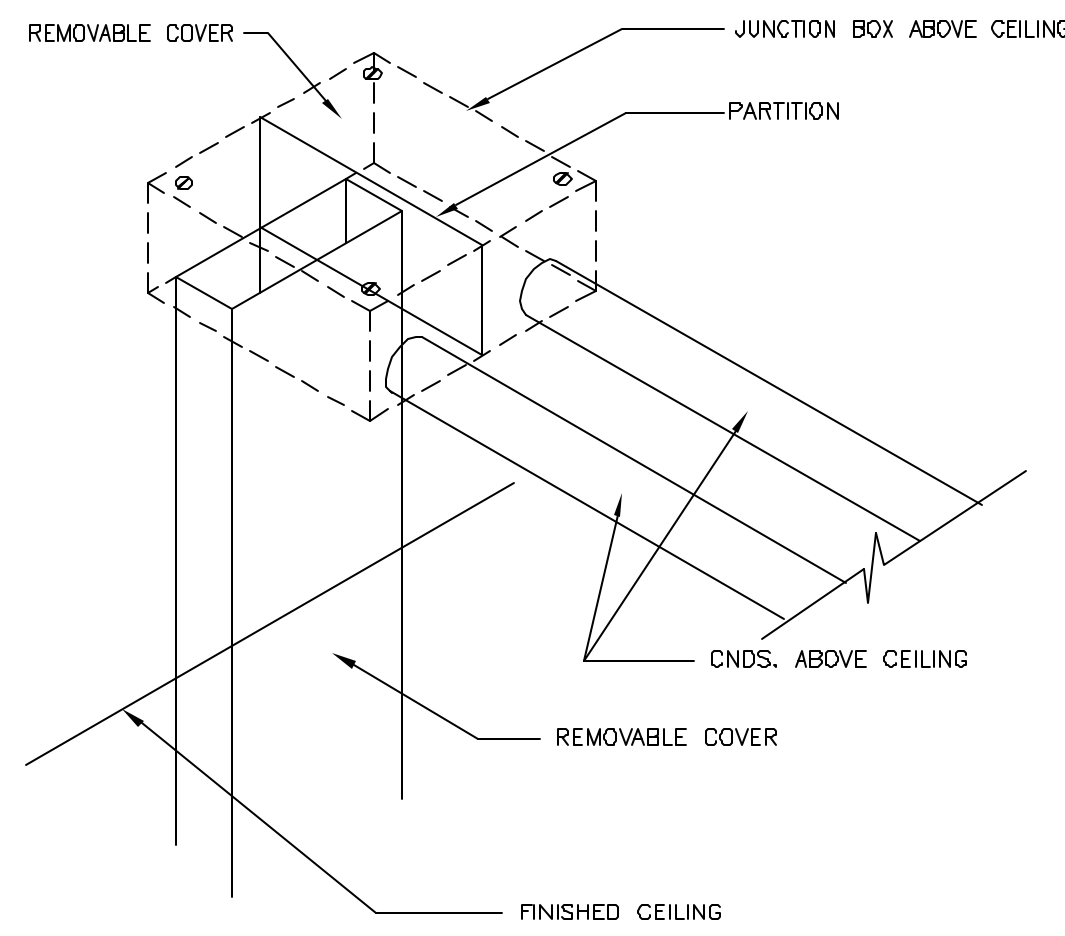
REVISION HISTORY:


SHEET  
 E2

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

ELEC-2

REV. DATE: 09/30/94

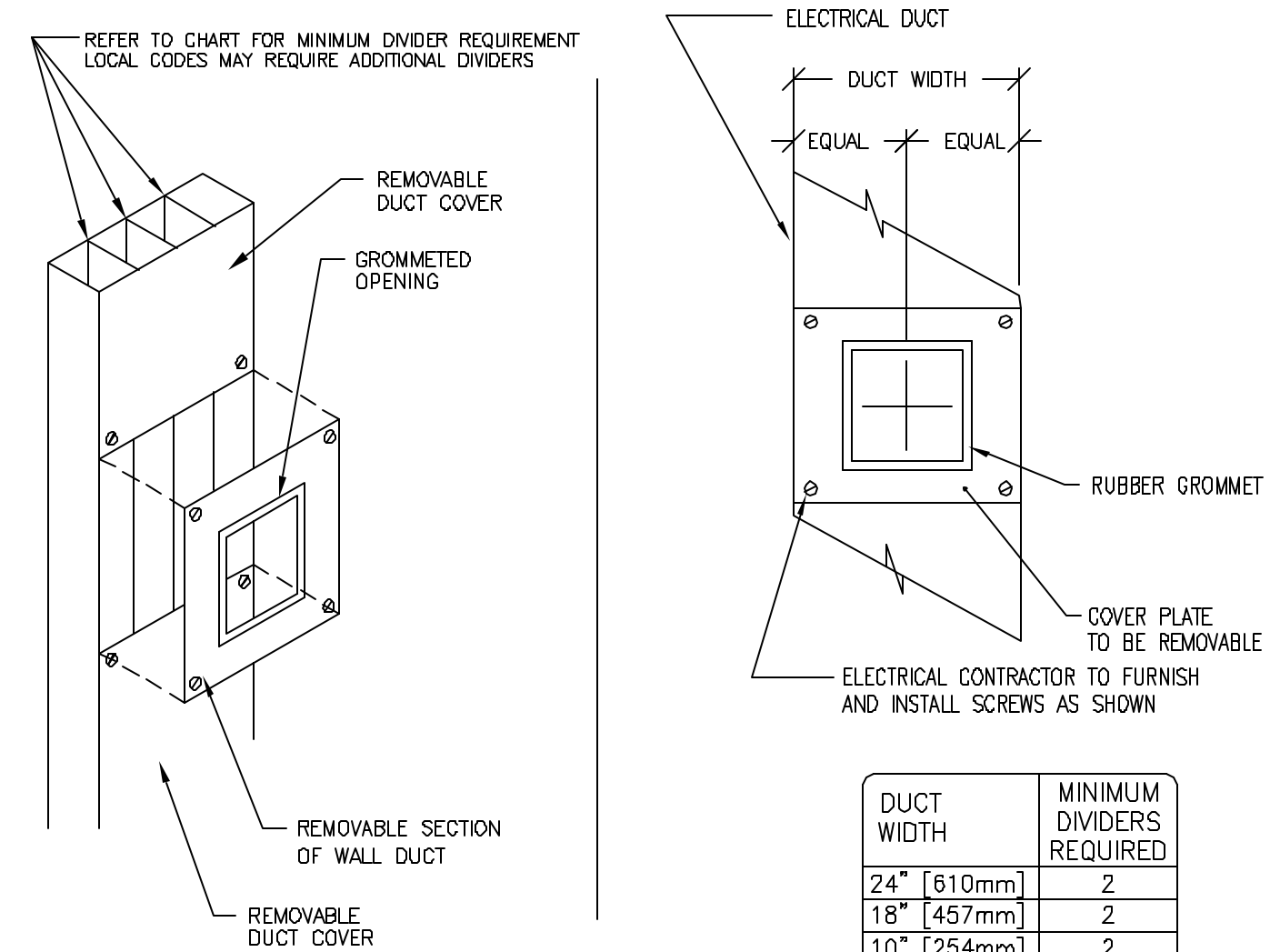


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
VERTICAL WALL DUCT (TYPICAL)

ELEC-6

REV. DATE: 03/19/04



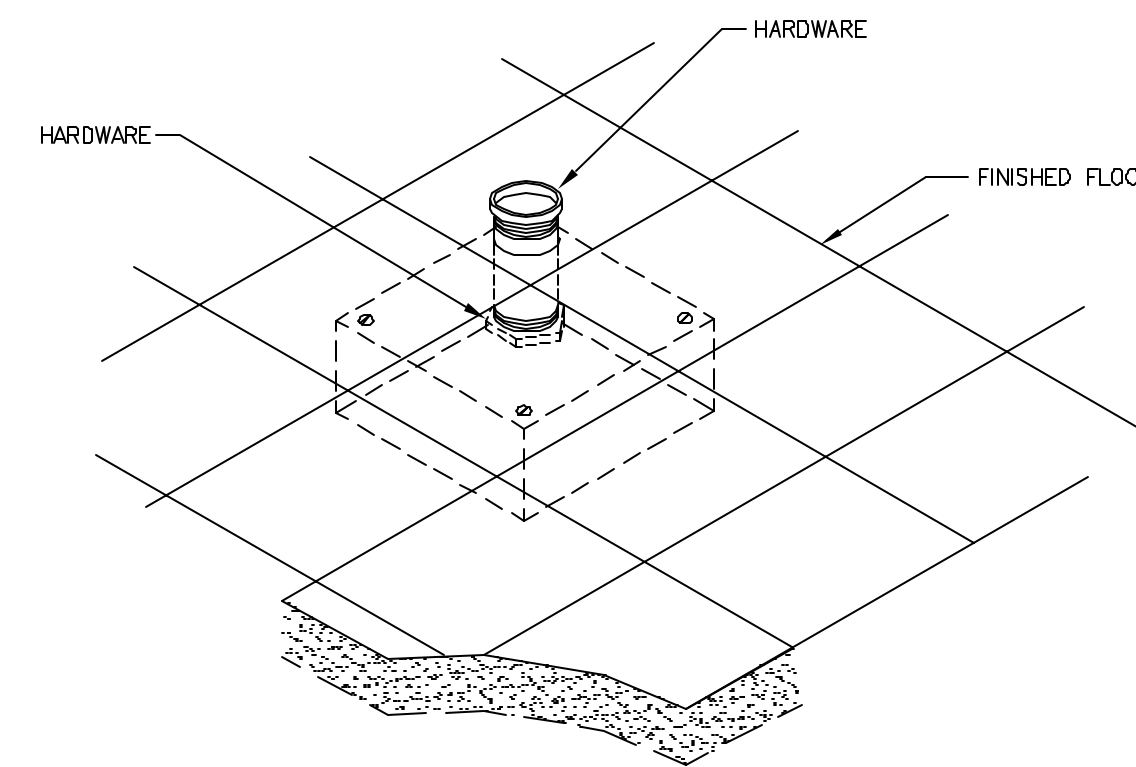
DETAIL NOT TO SCALE

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

ELECTRICAL DETAIL  
TABLE INTERCONNECTION - BOX BELOW FLOOR

ELEC-48

REV. DATE: 01/04/96



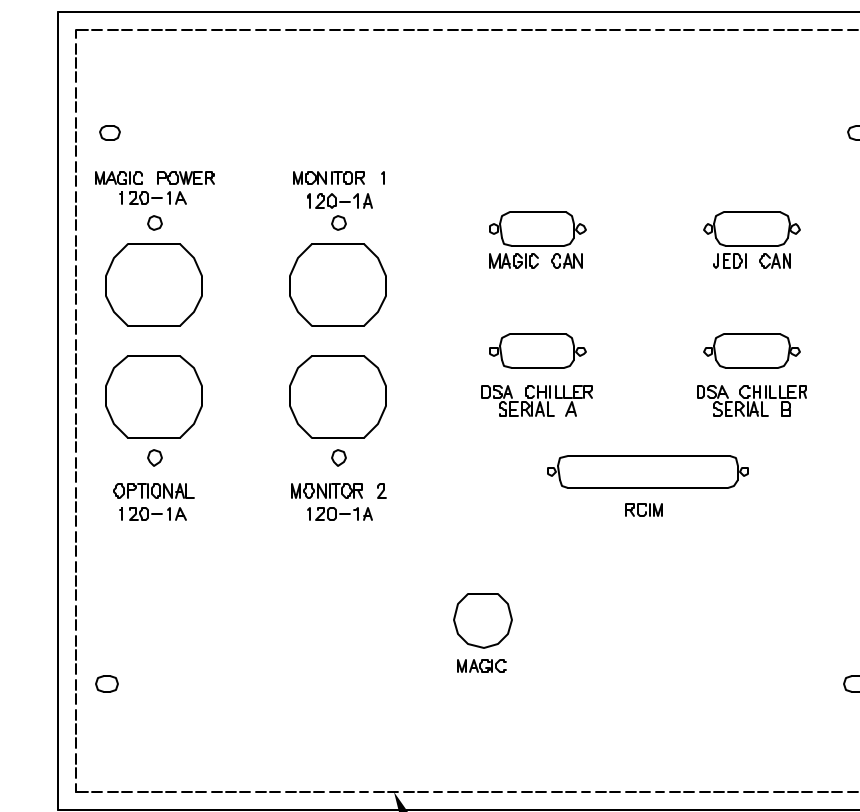
DETAIL NOT TO SCALE

EQUIPMENT DETAIL  
WALL PLATE

ELEC-141

REV. DATE: 10/12/07

NOTE:  
THE USE OF A WALL PLATE AND WALL BOX IS REQUIRED WITH THIS SYSTEM. THE CABLES USED WITH THIS SYSTEM ARE TERMINATED WITH CONNECTORS THAT CAN ONLY BE USED WITH THIS SPECIFIC WALL PLATE.



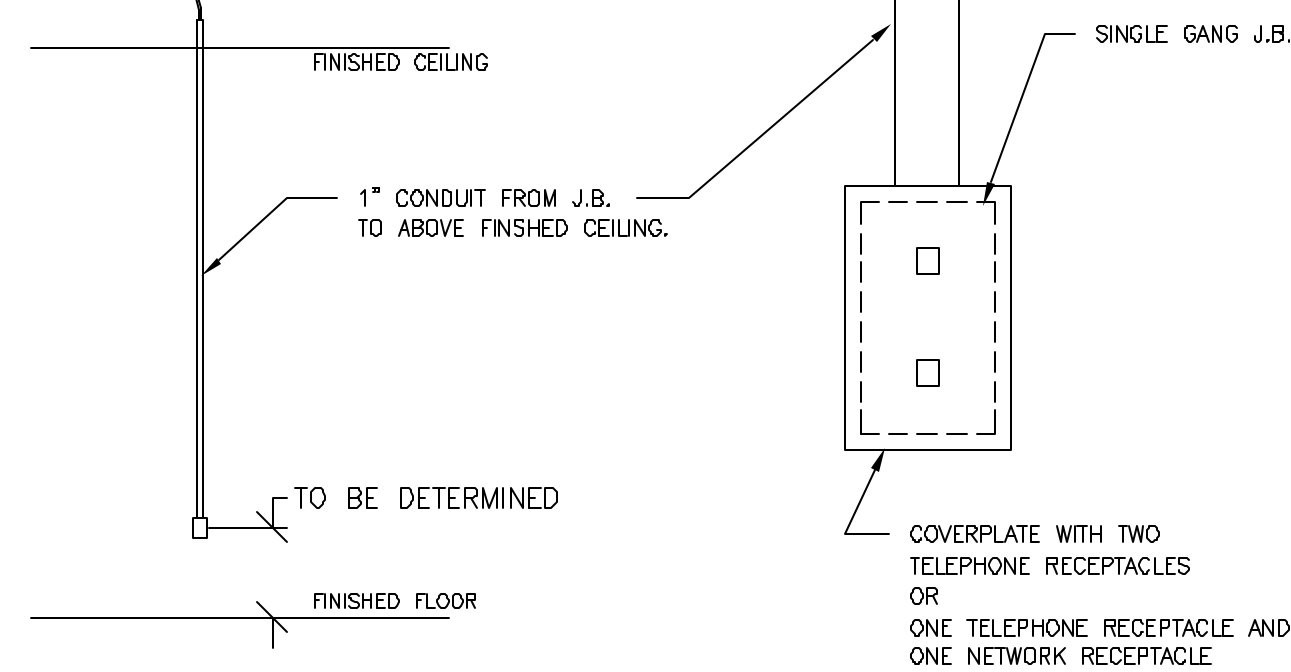
10" x 10" x 4" [254mm x 254mm x 101mm] BOX PROVIDED BY CUSTOMER OR THEIR CONTRACTOR.

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.



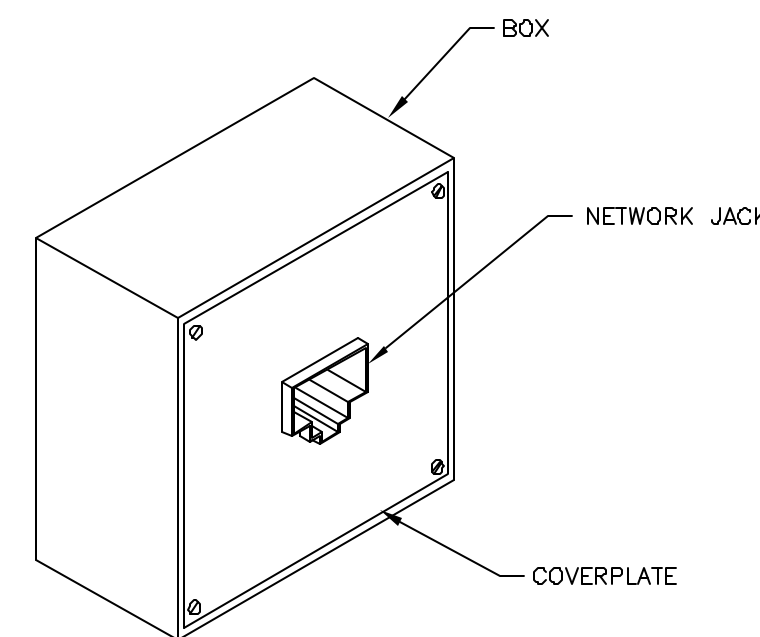
ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.

DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH COVERPLATE AND NETWORK JACK

ELEC-83

REV. DATE: 10/06/98

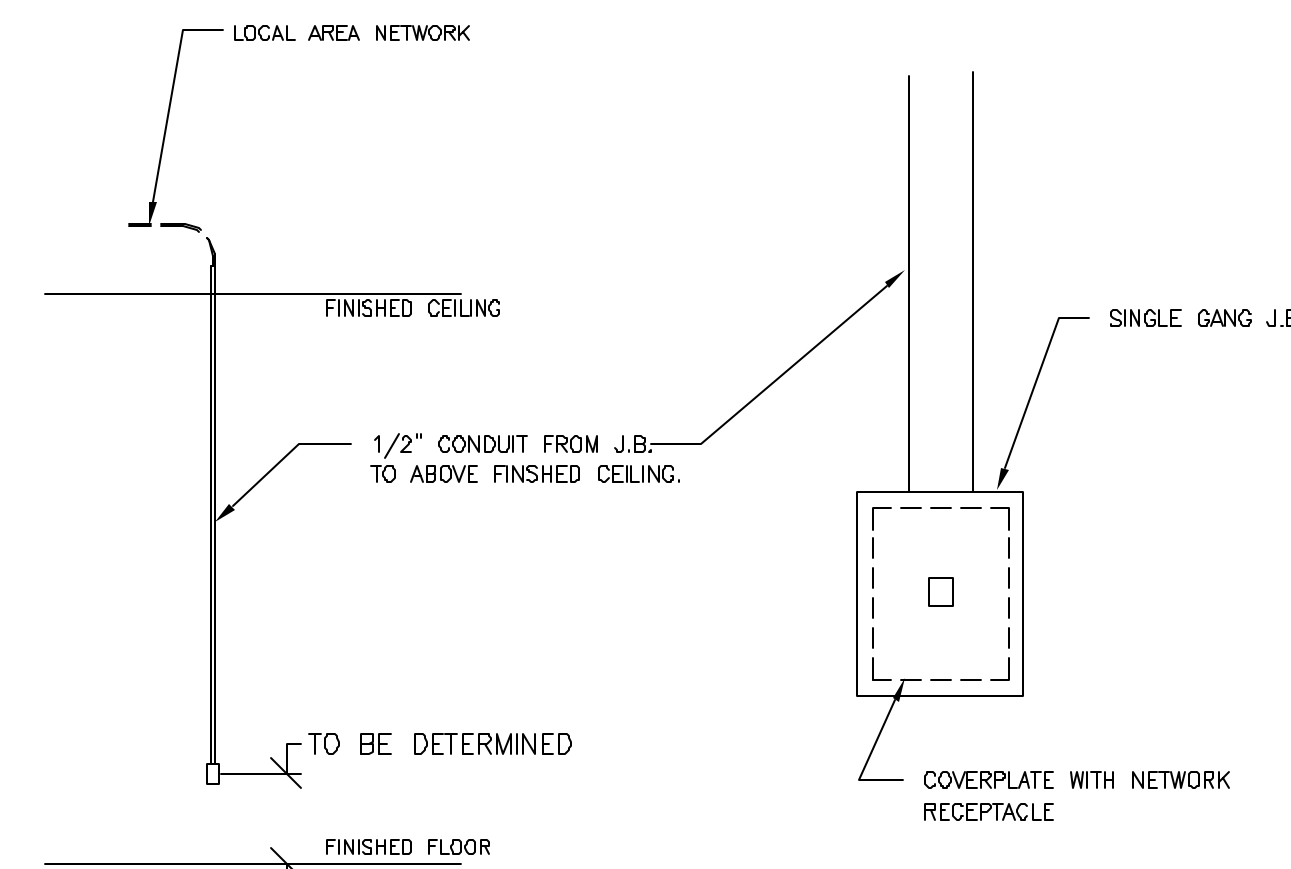


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
NETWORK CONNECTION (TYPICAL)

ELEC-84

REV. DATE: 03/06/04

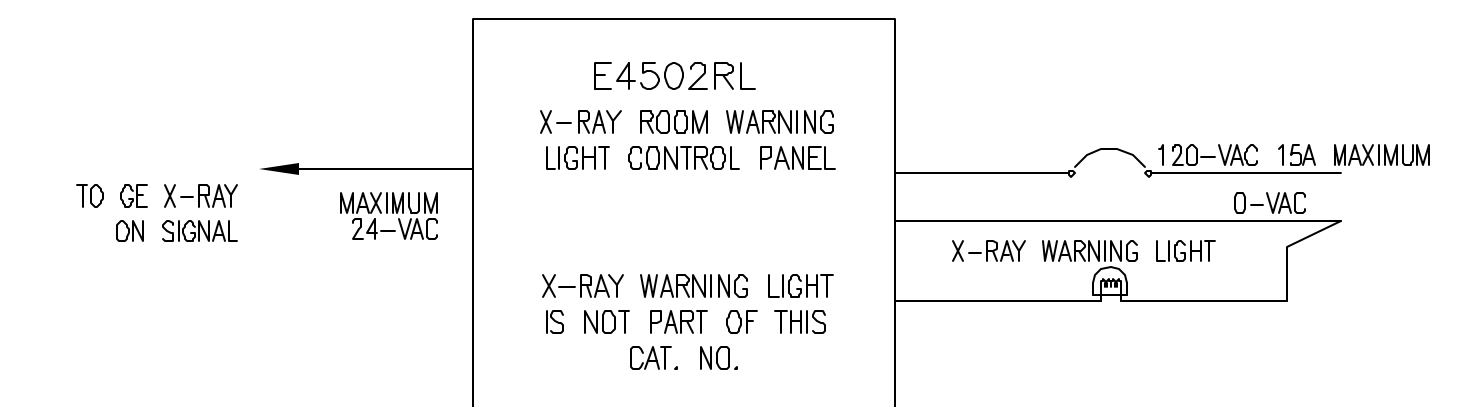


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
WARNING LIGHT DIAGRAM

ELEC-72

REV. DATE: 11/26/07



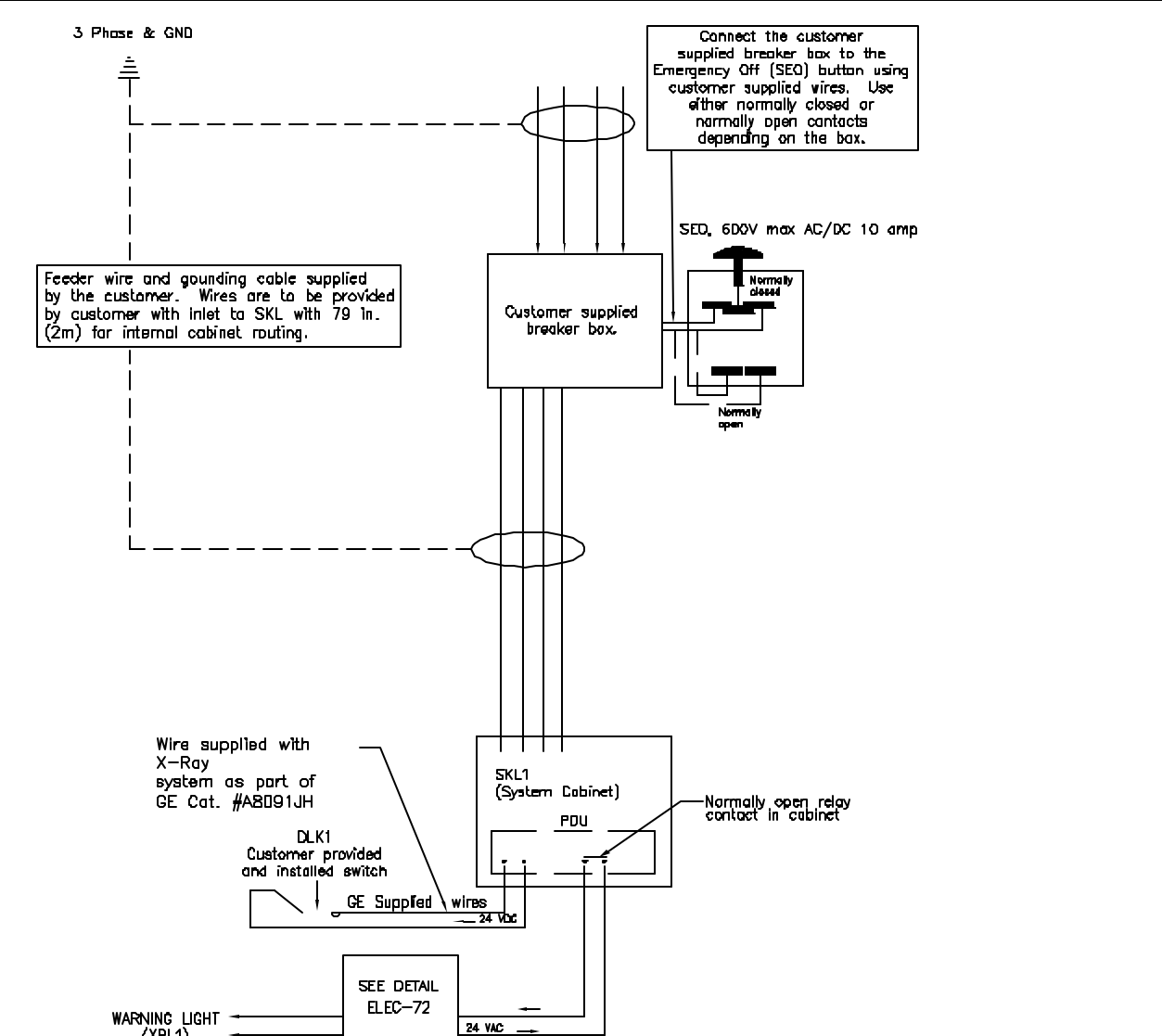
UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER, ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR.

DRAWING NOT TO SCALE

ELECTRICAL DETAIL  
ROOM POWER SUPPLY

ELEC-138

REV. DATE: 09-20-05

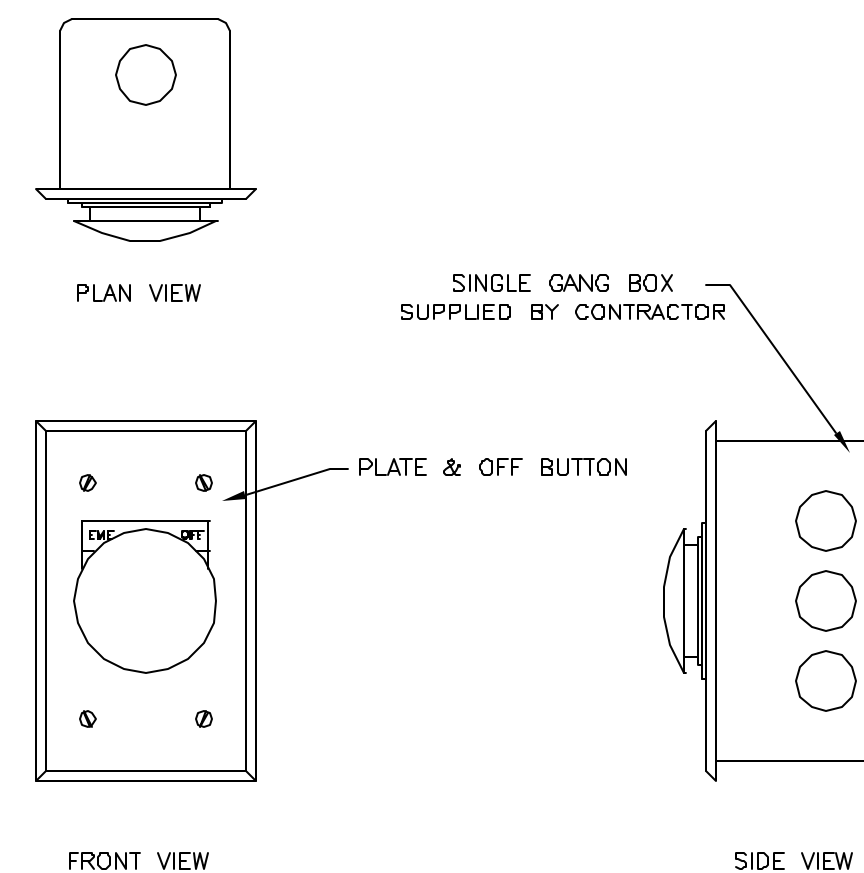


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
EMERGENCY DISCONNECT

ELEC-126

REV. DATE: 08/26/03

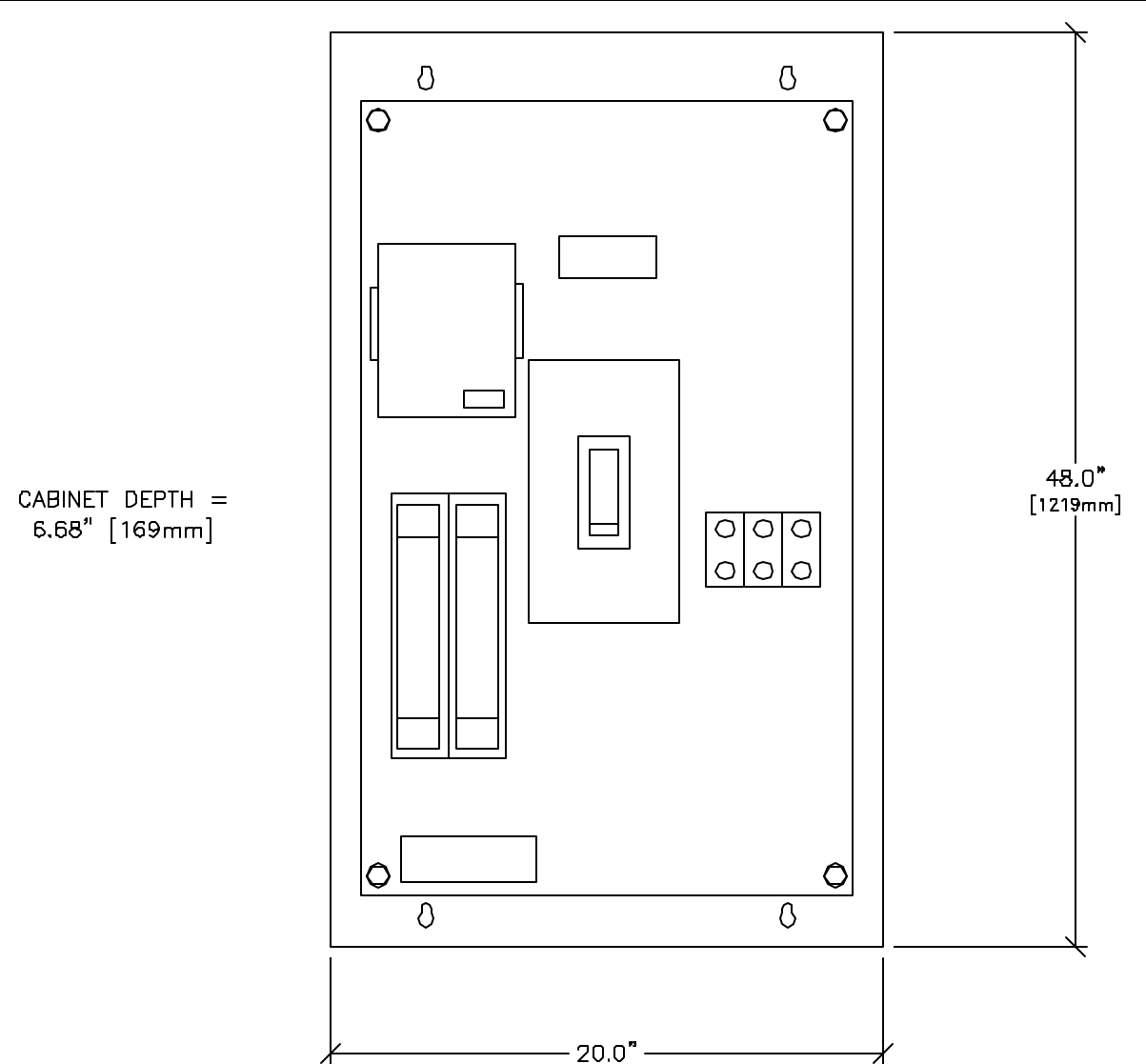


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
X-RAY MAIN DISCONNECT PANEL

ELEC-15

REV. DATE: 01/25/07

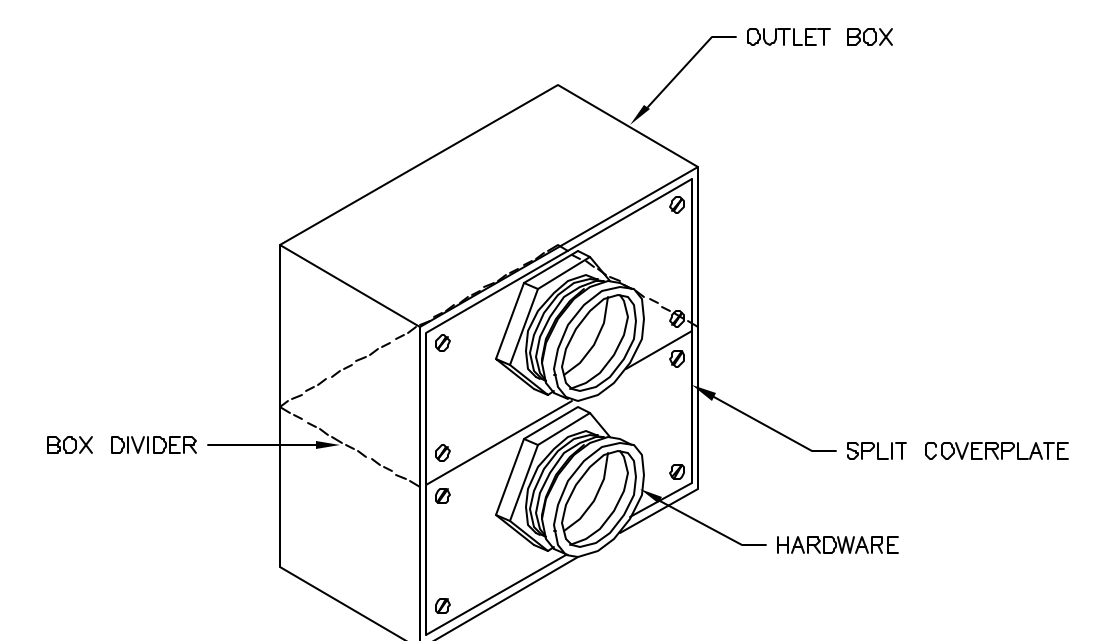


DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH DIVIDER AND SPLIT COVERPLATE (TYPICAL)

ELEC-79

REV. DATE: 04/06/04



DETAIL NOT TO SCALE

SHEET TITLE: ELECTRICAL DETAILS  
MODALITY TYPE: DEFINIUM 8000

THIS PLAN IS SUBMITTED TO SUBMITTER FOR REVIEW OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. 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 RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
1-134F  
TYPICAL LAYOUT

PROJECT	REVISION
1-134	02

DATE: 06-26-08  
DRAWN BY: REK  
CHECKED BY: TRS

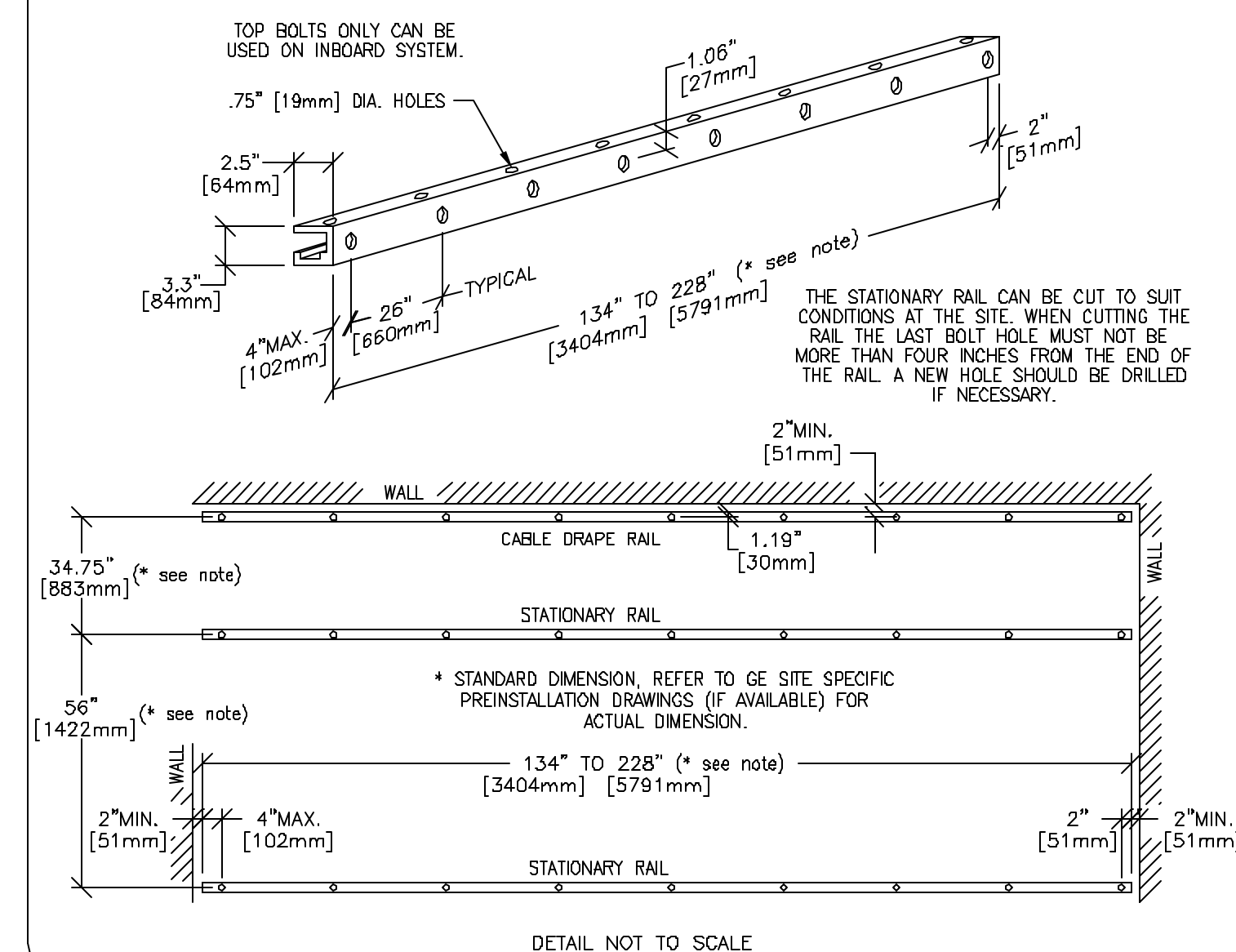
REVISION HISTORY:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SHEET  
E3

EQUIPMENT DETAIL  
XT RADIOGRAPHIC SUSPENSION, INBOARD MOUNTING

B2004

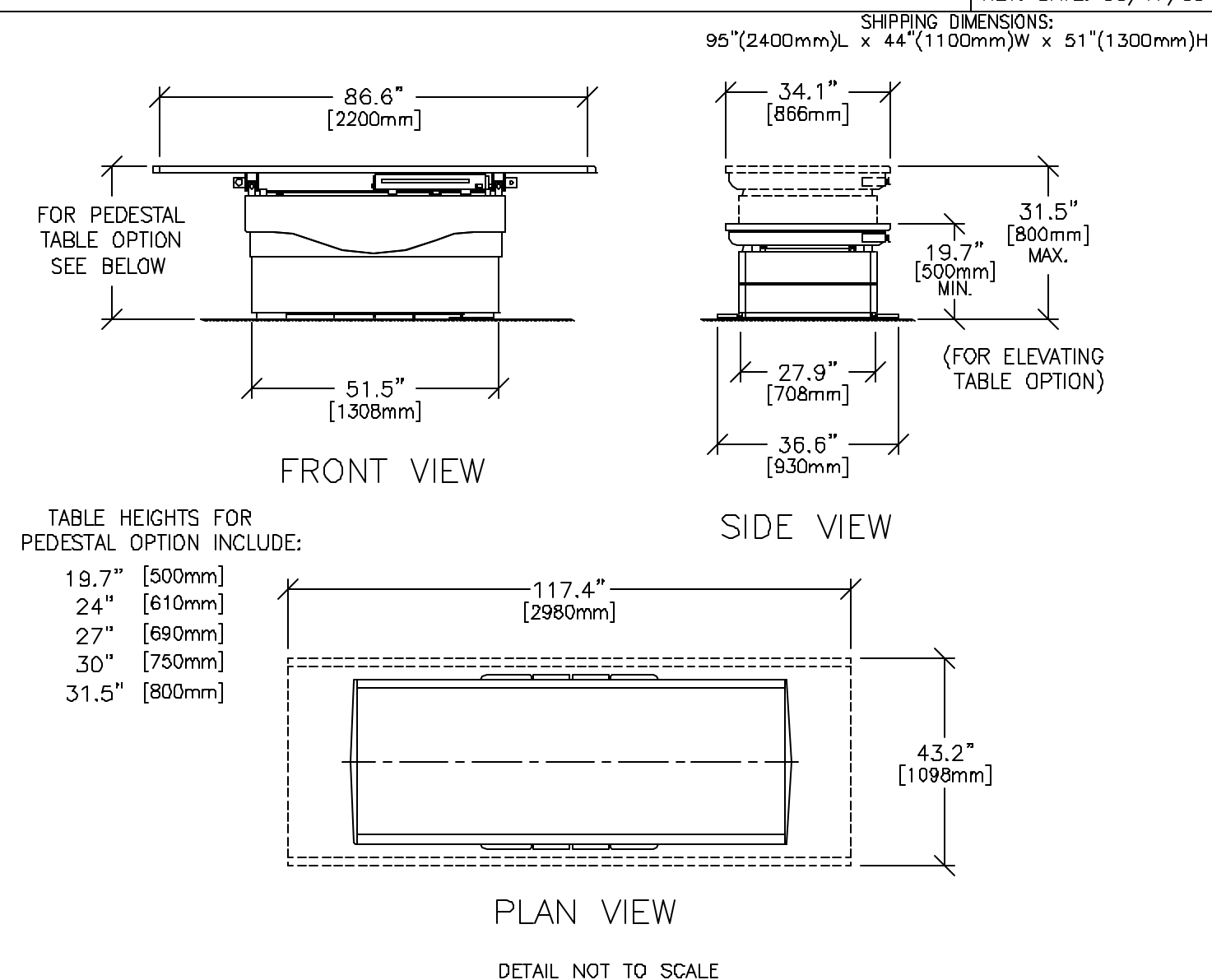
REV. DATE: 12/07/94



EQUIPMENT DETAIL  
DIGITAL ELEVATING RADIOGRAPHIC TABLE

B0557A

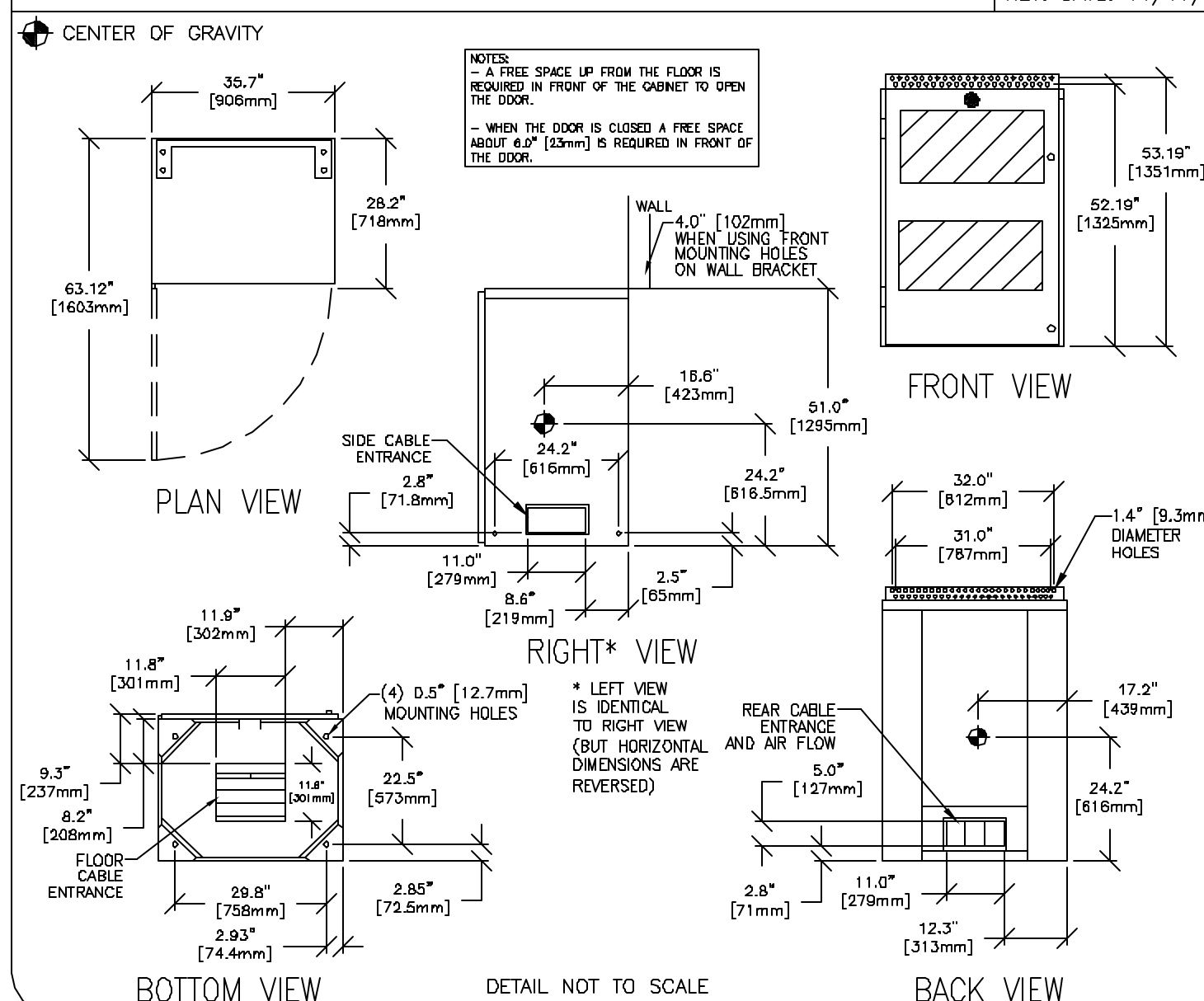
REV. DATE: 05/17/05



EQUIPMENT DETAIL  
DEFINIUM 8000 SYSTEMS CABINET

B0558E

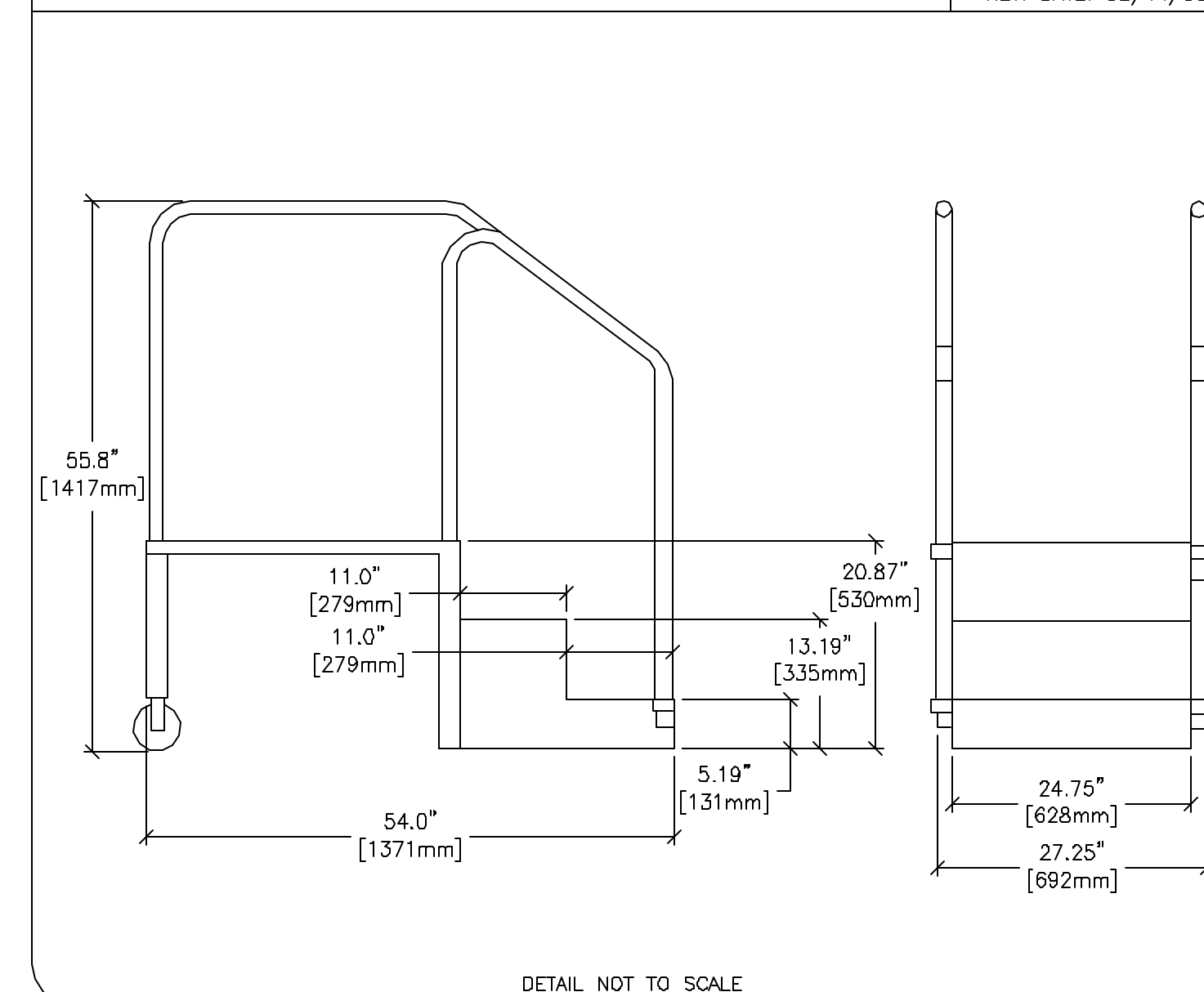
REV. DATE: 11/11/05



EQUIPMENT DETAIL  
WEIGHT BEARING ROLLING STAND

B30-044

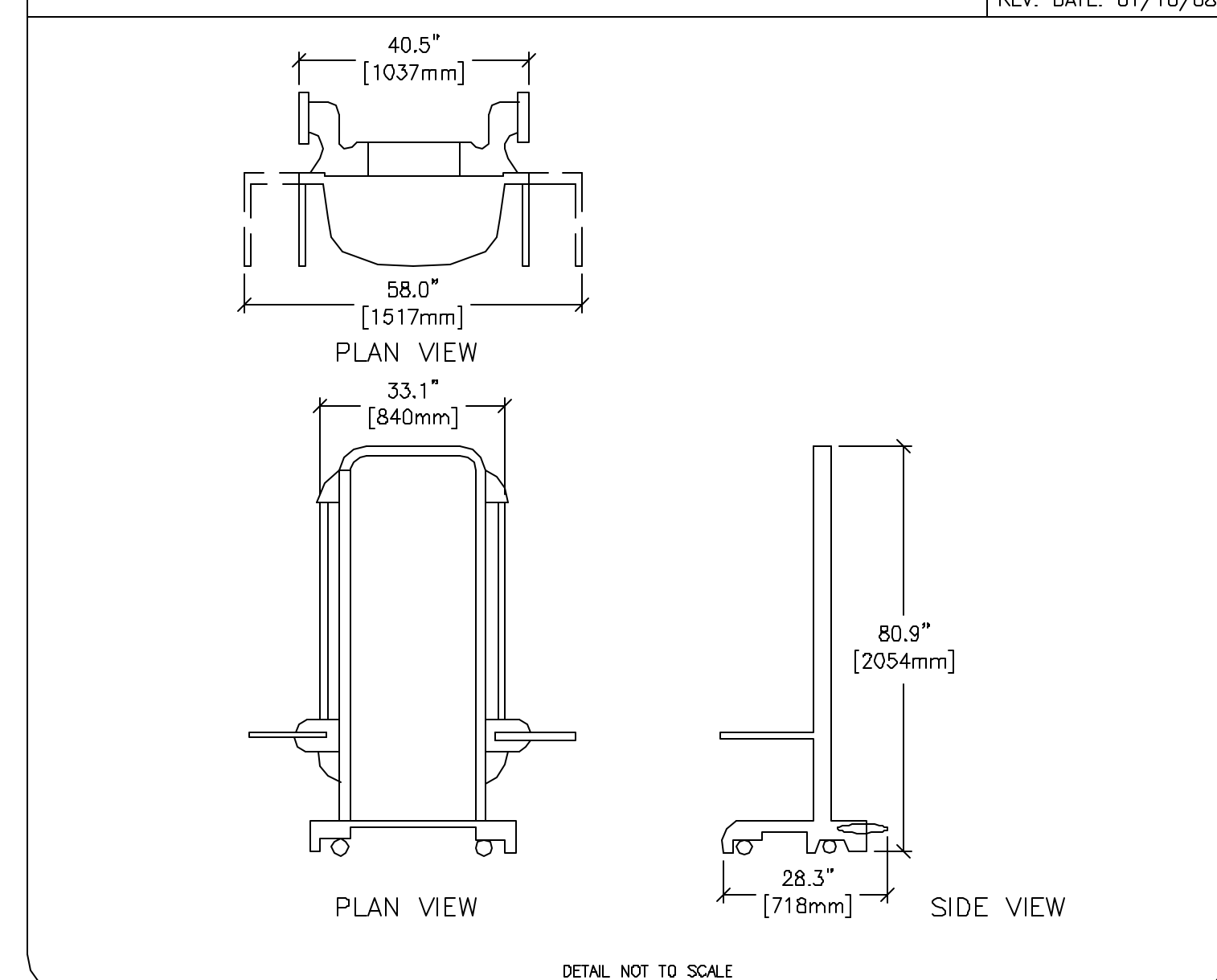
REV. DATE: 02/14/08



EQUIPMENT DETAIL  
IMAGE PASTE BARRIER

B05-57N

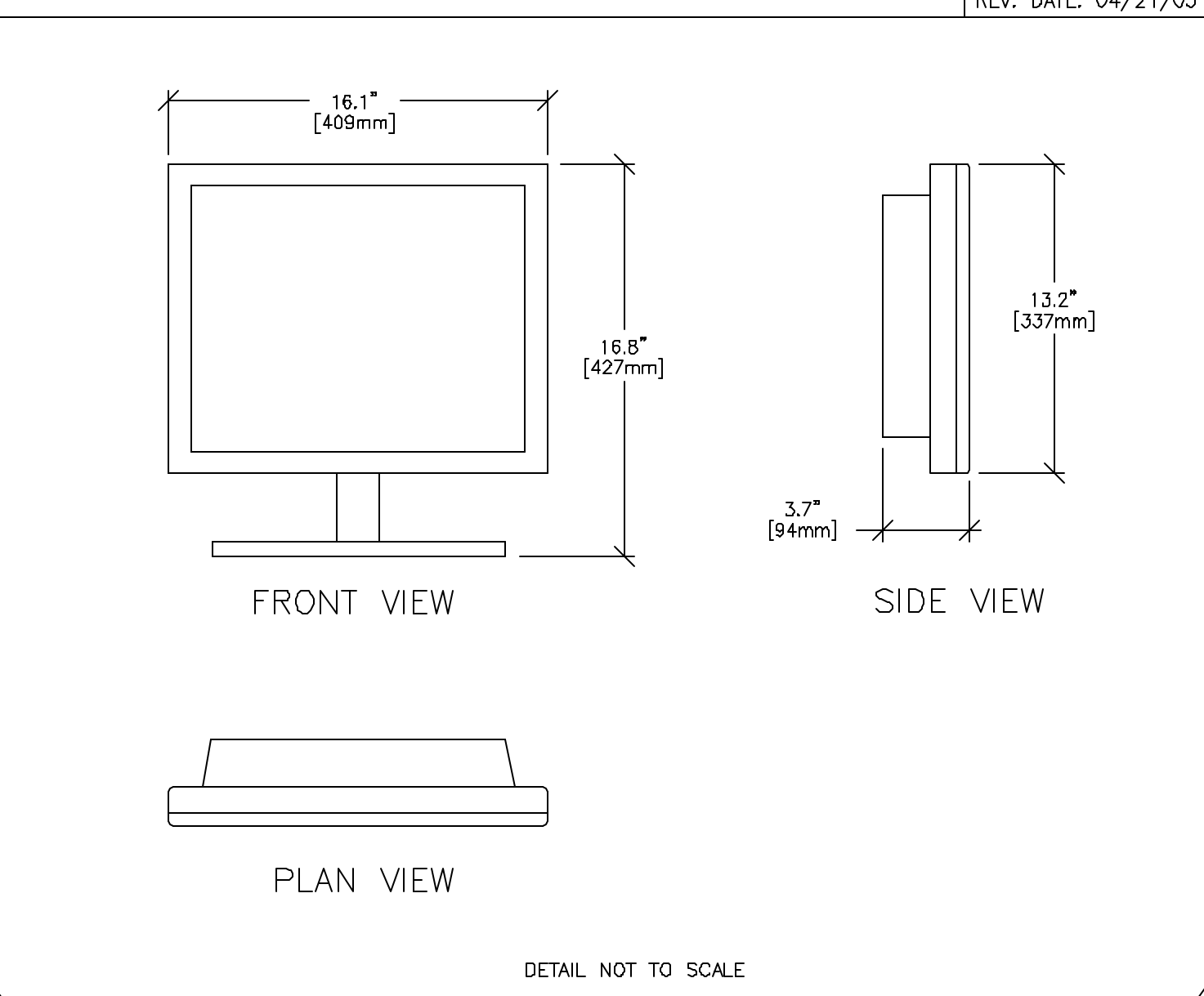
REV. DATE: 01/10/08



EQUIPMENT DETAIL  
18\"/>

C76-17

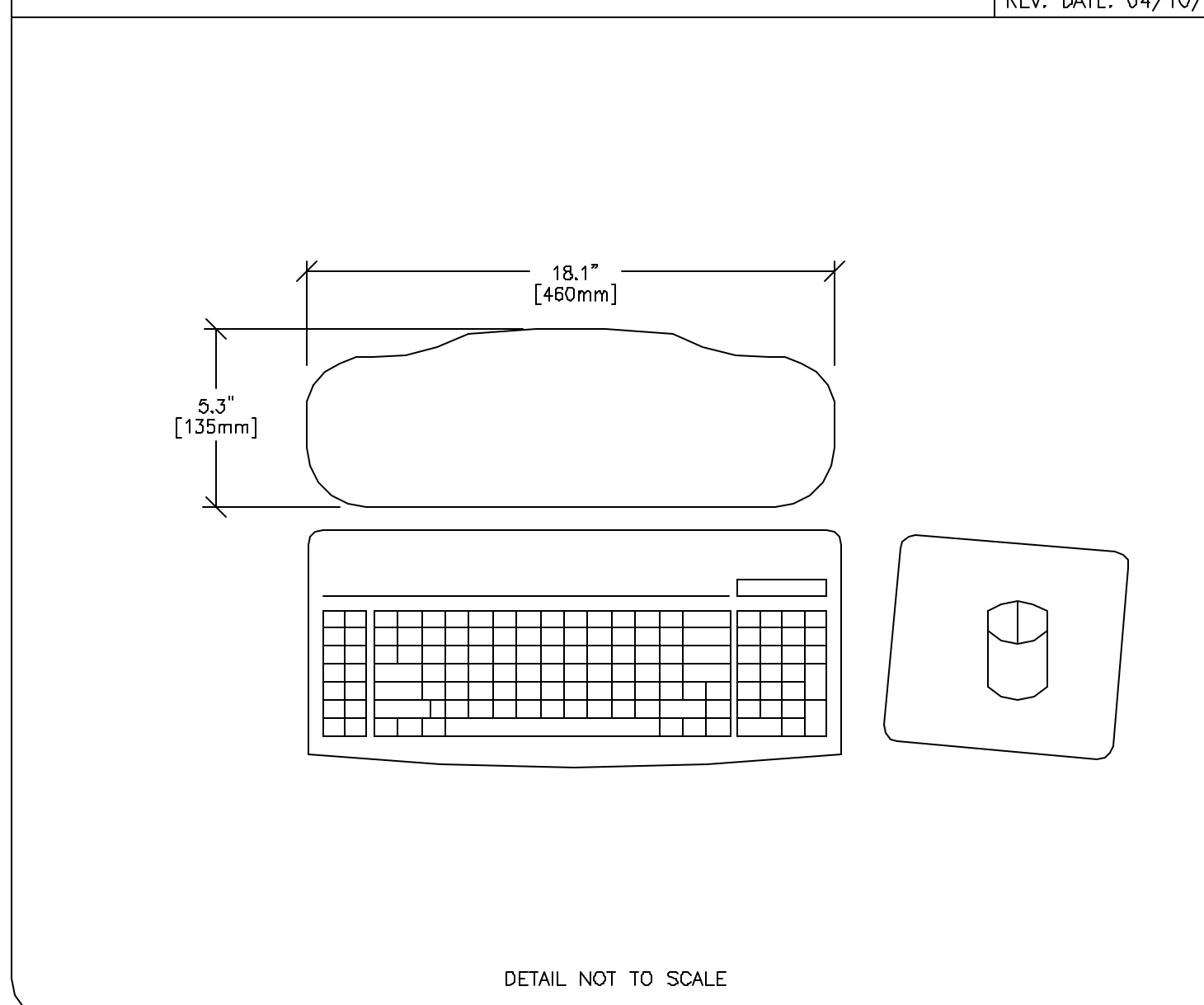
REV. DATE: 04/21/03



EQUIPMENT DETAIL  
RCIM WITH DL KEYBOARD CONSOLE

C75-02

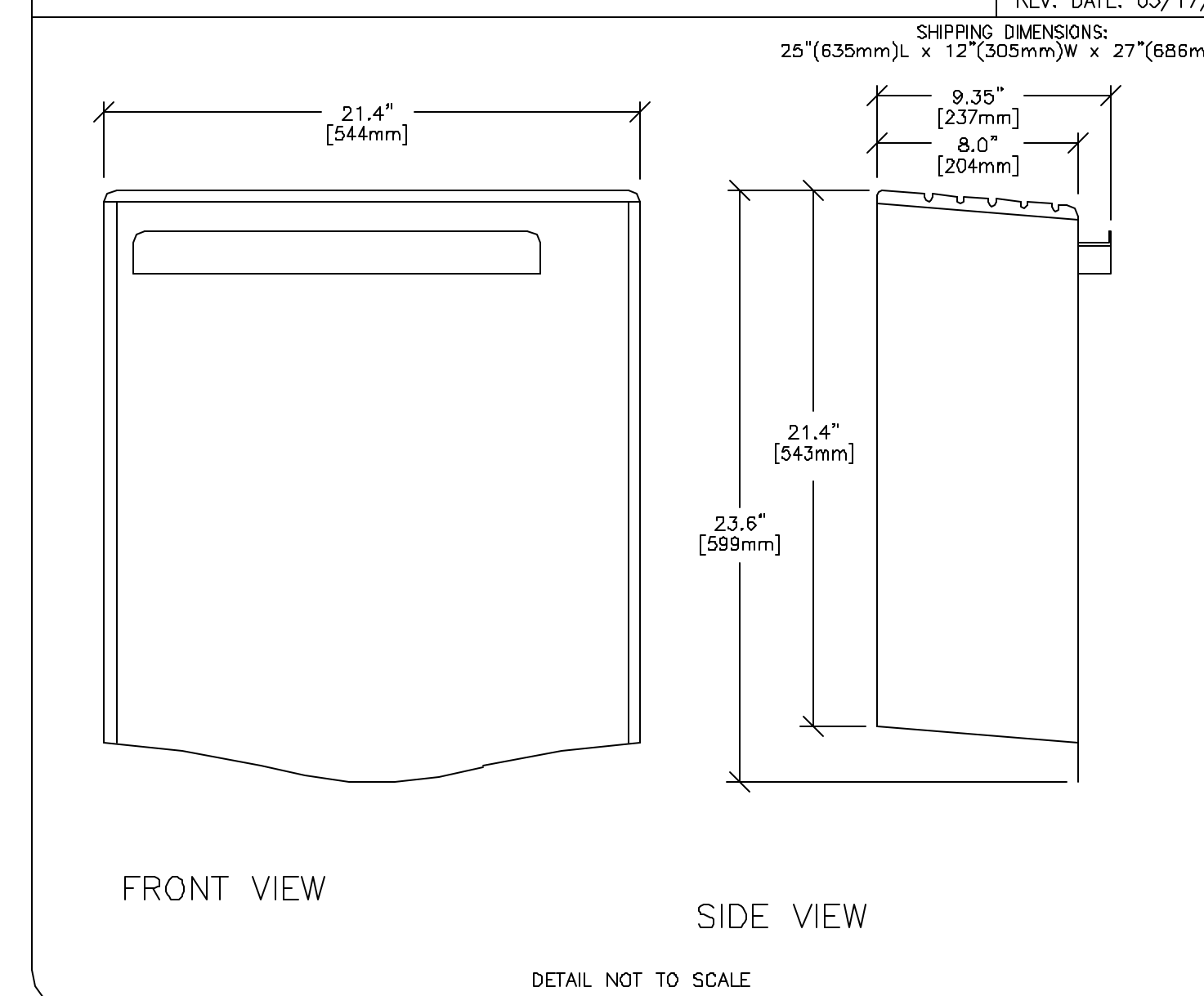
REV. DATE: 04/10/08



EQUIPMENT DETAIL  
GRID HOLDER

B05-57G

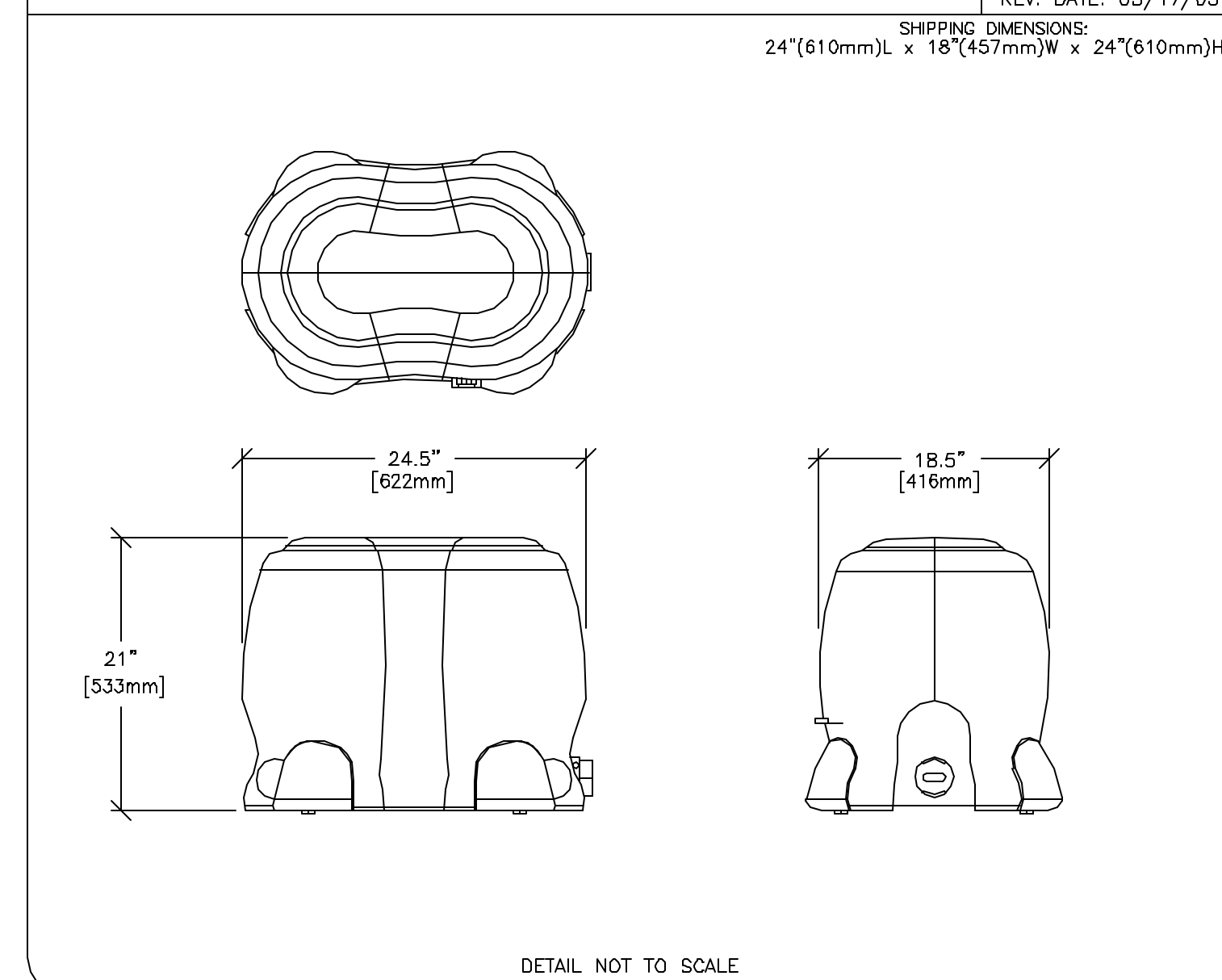
REV. DATE: 05/17/05



EQUIPMENT DETAIL  
DETECTOR SUPPORT ASSEMBLY

B05-57D

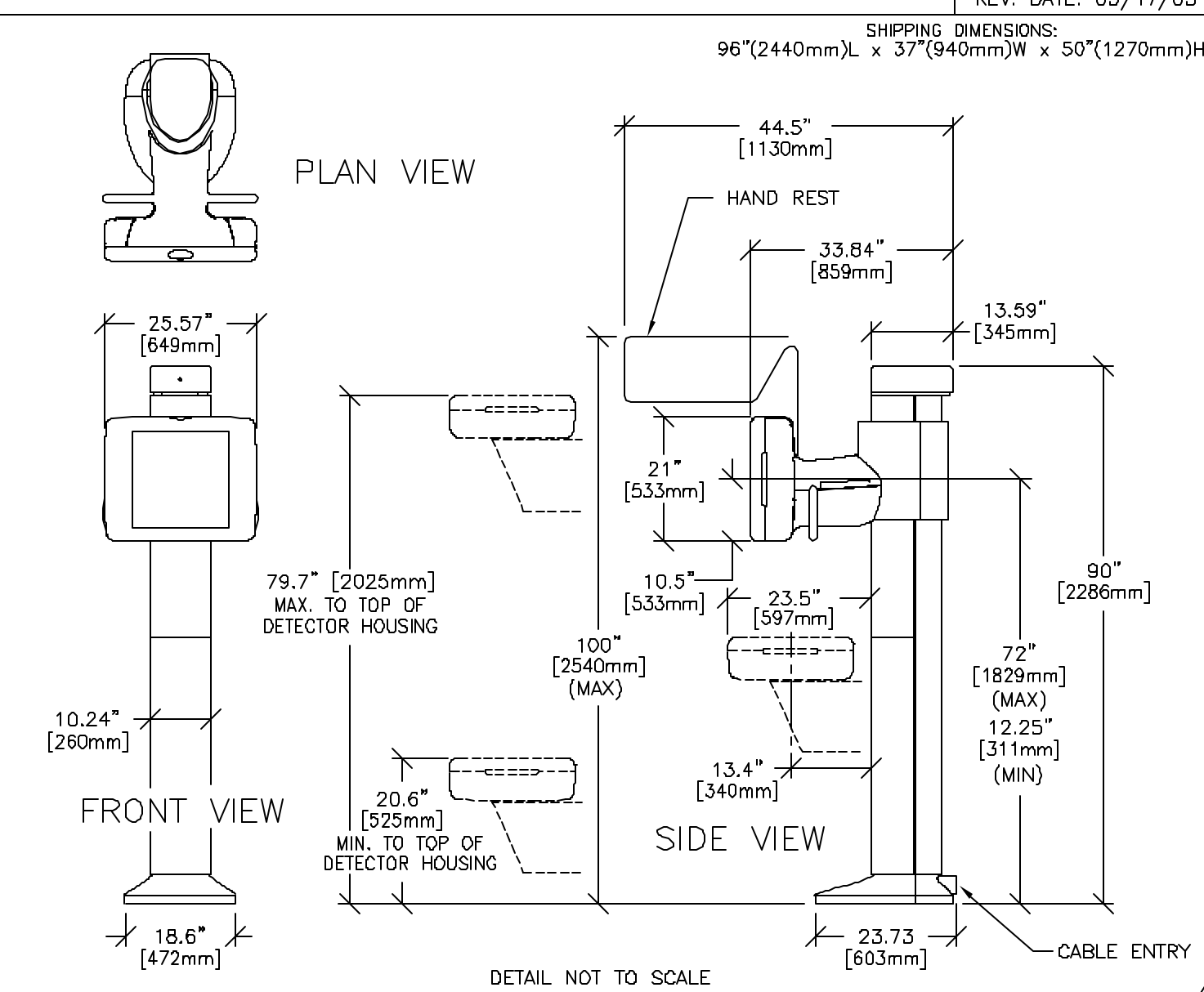
REV. DATE: 05/17/05



EQUIPMENT DETAIL  
DIGITAL CHEST READER

B05-57E

REV. DATE: 05/17/05



**GE Healthcare Technologies**  
Installation Services Design Center  
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS  
MODALITY TYPE: DEFINIUM 8000

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PROJECT TITLE:  
**1-134F**  
TYPICAL LAYOUT

PROJECT	REVISION
1-134	02

DATE: 06-26-08  
DRAWN BY: REK  
CHECKED BY: TRS

REVISION HISTORY:


SHEET  
**D1**