

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 *

Optima XR640
Preinstallation Manual
5308127-1EN

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 regardless of any GEHC measurements/inspections/assessments.							
<small>For MR Magnet Delivery: Ensure cryogen vents, power for the cooling system and exhaust fan system are installed and operational (0.7T, 1.5T & 3T) and chilled water supply is available 24x7 that meets system cooling equipment requirements. Broadband/phon</small>							
Item #	GEHC Minimum Requirements	Storage: Is item ready?	Is this item ready?	Will item be 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, equipment placement and must meet clearance requirements. Deviations that meet installation requirements may be red-lined, if allowed by local code. Seismic requirements identified on construc						
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-not in scan suite, are dust free. Provisions taken to maintain a dust free room. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of						
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, sto						
5	Ceiling grid is installed. Permanent lighting is installed and operational. Unistrut (or equivalent) location and spacing was measured and is consistent with the requirements of the installation drawings.						
6	Floor is clean and prepared for final floor covering. For MR, CT & Nuc scan rooms, floor levelness was measured and does not exceed tolerances specified in GEHC's applicable PIM, and no visible floor surface defects were observed.						
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).						
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.						
#	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.						

GE Healthcare
Installation Services - Design Center
Madison, Wisconsin

SHEET TITLE: SITE READINESS
MODALITY TYPE: OPTIMA XR640
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 ACTUAL CONDITIONS. HOWEVER, THE USER SHALL BE RESPONSIBLE FOR VERIFYING ALL CONSTRUCTION PURPOSES, DIMENSIONS, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
1-142f
TYPICAL LAYOUT

PROJECT	REVISION
1-142f	02
DATE:	20.Feb.12
DRAWN BY:	REK
CHECKED BY:	MKL

REVISION HISTORY:

SHEET
C1

PIM R6
RQ - 125169

GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR CON WAS ISSUED AT THE DATE OF THESE DRAWINGS

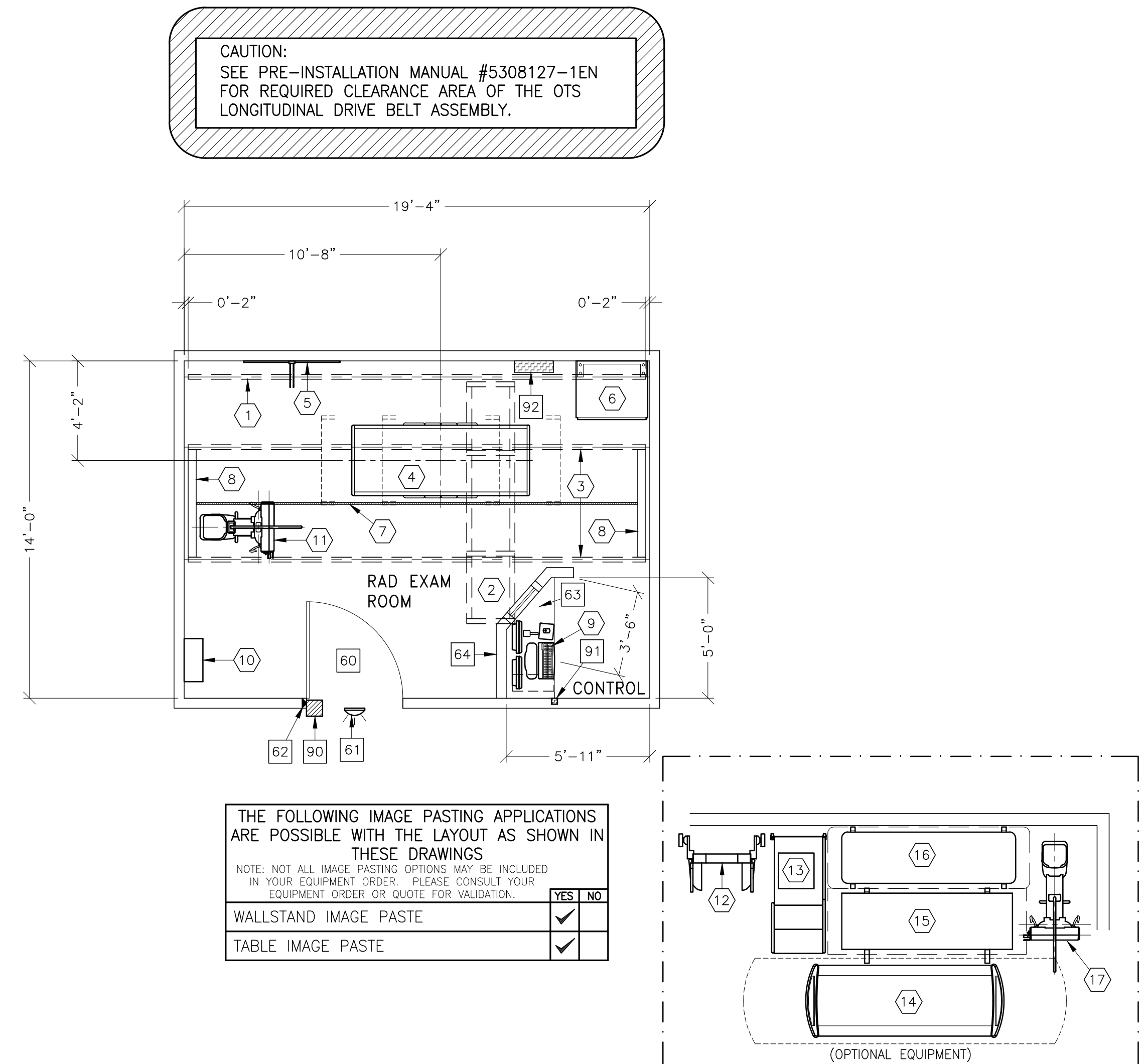
NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN	EQUIPMENT CROSS REFERENCE CHART	
									P = PREAPPROVAL	C = CALCULATIONS/PENDING APPROVAL
1	1		CABLE DRAPE RAIL	180 lbs			B20 079			
2	1		XT RADIOGRAPHIC SUSPENSION WITH INBOARD MOUNTING	784 lbs	832 btu	B2004B	B20 041	XTS1		
3	2		LONGITUDINAL STATIONARY RAIL FOR XT SUSPENSION	68 lbs			B20 041			
4	1		TRAD DIGITAL ELEVATING TABLE	992 lbs	426 btu	B0557U		RT		
5	1		TRAD DETECTOR SUPPORT							
6	1		SYSTEMS CABINET	679 lbs	2436 btu	B0558F		SKL		
7	1		LONGITUDINAL DRIVE BELT 1 IN. WIDE	44 lbs						
8	2		ANCHOR RAILS							
9	1		OPERATORS CONSOLE	99 lbs	986 btu	B6564A B6564B B6564C CG10CA B6120		WBC1		
10	1		GRID HOLDER (FIELD VERIFY IDEAL LOCATION)	30 lbs		B0557W	B05 57K			
11	1		TRAD DETECTOR CHEST UNIT	595 lbs	109 btu	B0557D		WLS		
OPTIONAL										
12	1		IMAGE PASTING BARRIER	200 lbs		B0557T				
13	1		WEIGHT BEARING STAND	123 lbs		B30044				
14	1		FLEXI DT MOBILE TABLE	683 lbs		B0557L				
15	1		MOBILE TABLE	224 lbs		B0557K				
16	1		CARBON FIBER TABLE	70 lbs		B5000A				
17	1		TRAD DETECTOR CHEST UNIT WITH EXTENDED RECEPTOR	617 lbs	109 btu	B0557S		WLS		

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

EQUIPMENT LAYOUT SCALE: 1/4" = 1'-0" 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.



ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
60	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 36 IN. W X 66.9 IN. H (914mm X 1700mm). CONTINGENT ON A 96 IN. (2438mm) CDRRDRR WIDTH. NOTE: IMAGE PASTE OPTION REQUIRES A 80.9 IN. H (2058mm) HIGH OPENING FOR ACCESS.
61	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABWW-DF-XIU
62	DOOR LIMIT SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)
63	COUNTER TOP FOR EQUIPMENT - MINIMUM DEPTH 24 IN. AND ADDITIONAL SHELVING MAY BE REQUIRED BELOW COUNTER TOP FOR PC TOWER. PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE CABLES.
64	CONTROL WALL, 7 FT. HIGH WITH LEAD GLASS VIEWING WINDOW.

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 CONTROL PANEL REFERENCE JUNCTION POINT 'XRLC' ON SHEET 'E1' FOR DETAILED DESCRIPTION -E4502RL FOR WARNING LIGHT CONTROL ONLY.
91	EMERGENCY OFF SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)
92	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.
- REFER TO PREINSTALLATION MANUAL FOR THE EQUIPMENT ILLUSTRATED ON THIS DRAWING.
- 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
Installation Services - Design Center
Madison, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: OPTIMA XR640

THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE ACTUAL SITUATION. GEHC DOES NOT ASSUME ANY LIABILITY FOR ANY DAMAGE OR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
1-142f
TYPICAL LAYOUT

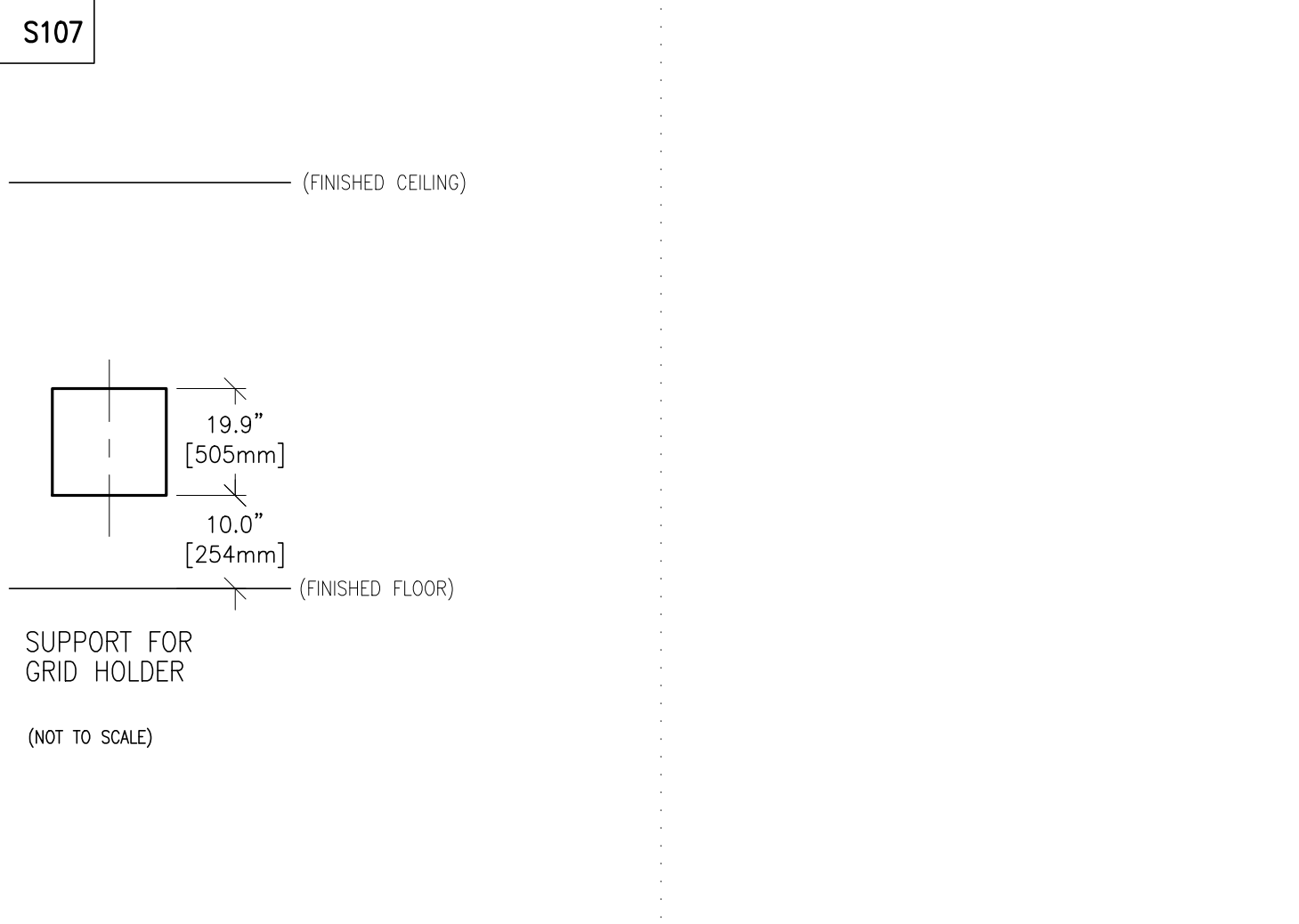
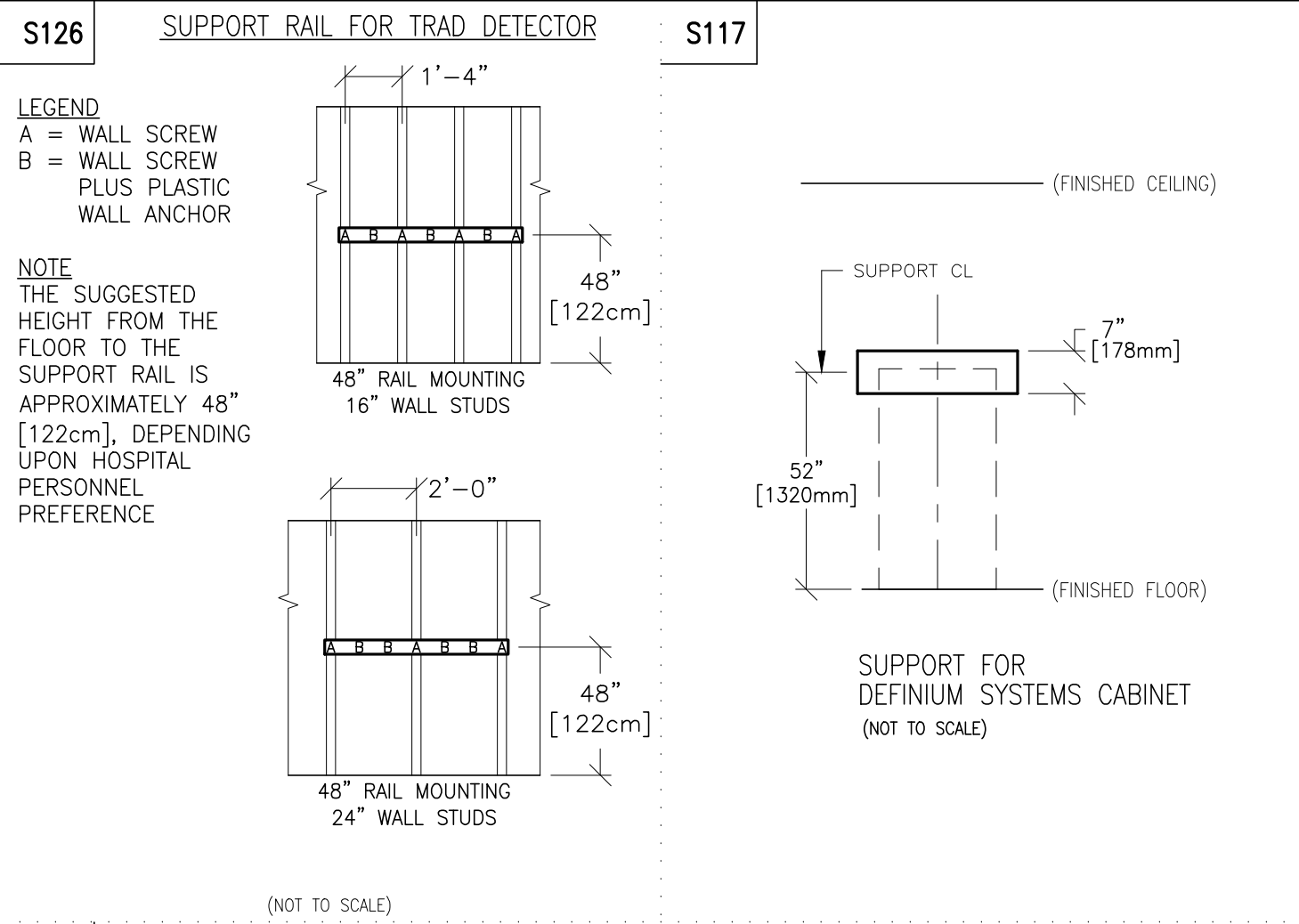
PROJECT	REVISION
1-142f	02

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DRAWN BY: REK
CHECKED BY: MKL

REVISION HISTORY:

SHEET
A1

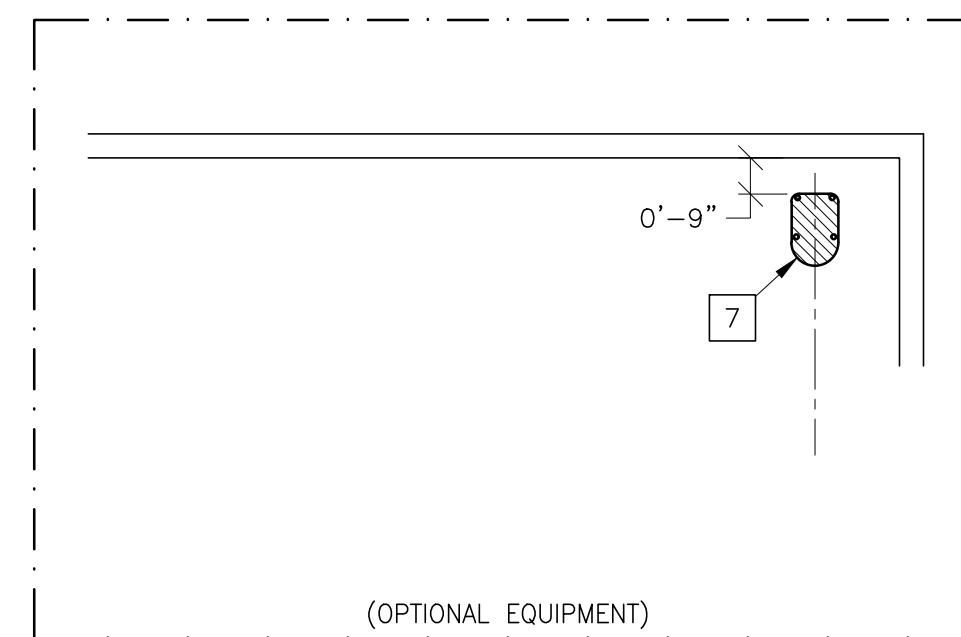
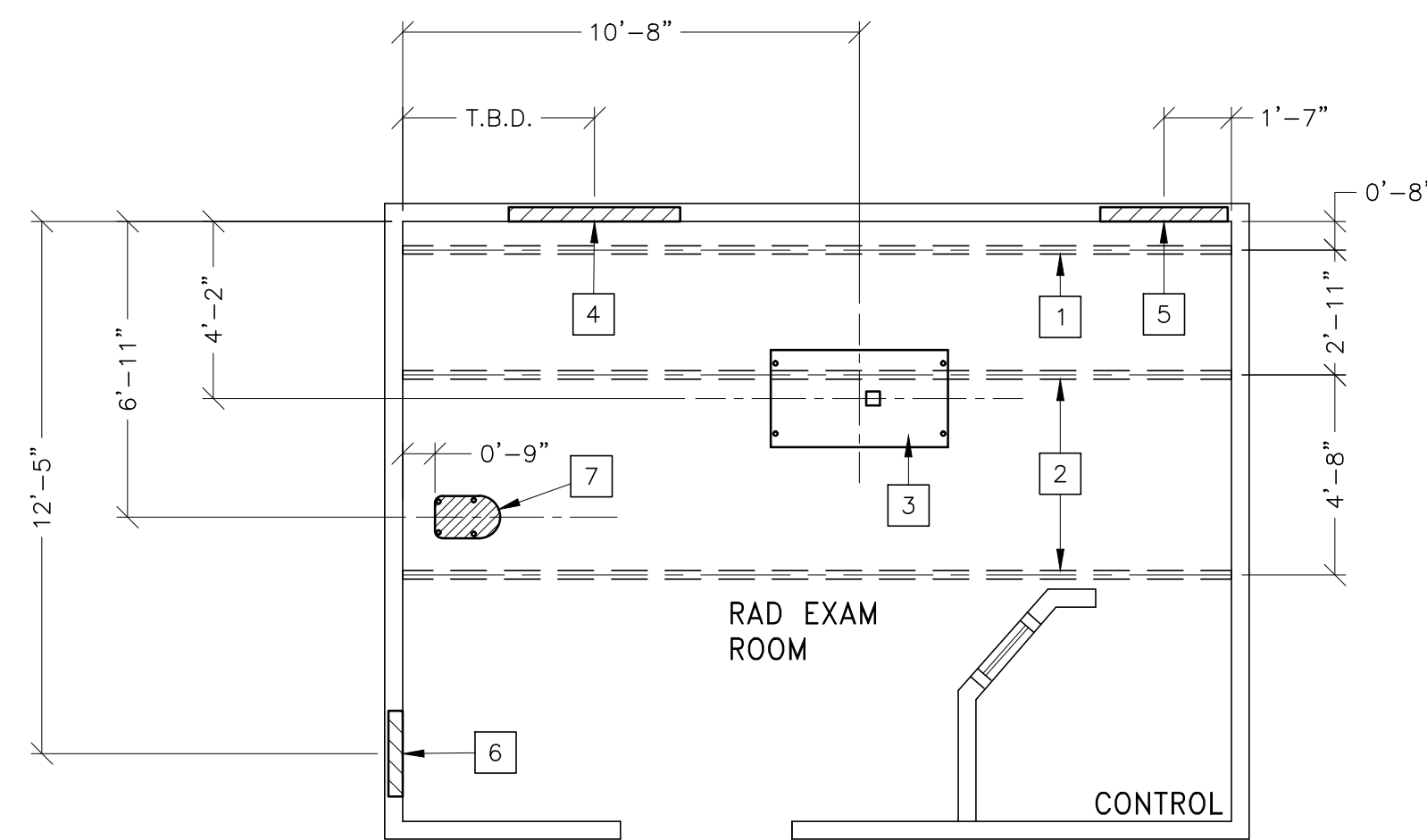
TYPICAL WALL SUPPORT ELEVATIONS



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

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-6"



STRUCTURAL SUPPORT METHODS
 CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	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.
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	FLOOR CONTACT AREA FOR TABLE Seismic Zone ANCHORING HARDWARE (WHERE APPLICABLE) (DETECTOR SUPPORT) ANCHORS = Hilti KB3 - 3/8 x 3.75 in. (4 ea.) (WALL STAND) ANCHORS = Hilti KB2 - 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 ALL BOLTS TO INCLUDE 2 FLATWASHERS, 1 LOCKWASHER AND 1 NUT ALL BRACKETS ARE SHIPPED WITH GE EQUIPMENT.
4	SUPPORT BACKING, LOCATE PER WALL STUDS, REFER TO ELEVATION DETAIL S126, SUPPORT RAIL FOR TRAD DETECTOR.
5	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S117, FOR SYSTEMS CABINET.
6	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S107, FOR GRID HOLDER.
7	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.
- IT IS THE CUSTOMER'S RESPONSIBILITY TO PERFORM ANY FLOOR OR WALL PENETRATIONS THAT MAY BE REQUIRED. THE CUSTOMER IS ALSO RESPONSIBLE FOR ENSURING THAT NO SUBSURFACE UTILITIES (E.G., ELECTRICAL OR ANY OTHER FORM OF WIRING, CONDUITS, PIPING, DUCT WORK OR STRUCTURAL SUPPORTS (I.E. POST TENSION CABLES OR REBAR)) WILL INTERFERE OR COME IN CONTACT WITH SUBSURFACE PENETRATION OPERATIONS (E.G. DRILLING AND INSTALLATION OF ANCHORS/SCREWS) PERFORMED DURING THE INSTALLATION PROCESS. TO ENSURE WORKER SAFETY, GE INSTALLERS WILL PERFORM SURFACE PENETRATION OPERATIONS ONLY AFTER THE CUSTOMER'S VALIDATION AND COMPLETION OF THE "GE SURFACE PENETRATION PERMIT"

GE Healthcare
 Installation Services - Design Center
 Milwaukee, Wisconsin

SHEET TITLE: STRUCTURAL LAYOUT
 MODALITY TYPE: OPTIMA XR640

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PROJECT TITLE:
 1-142f
 TYPICAL LAYOUT

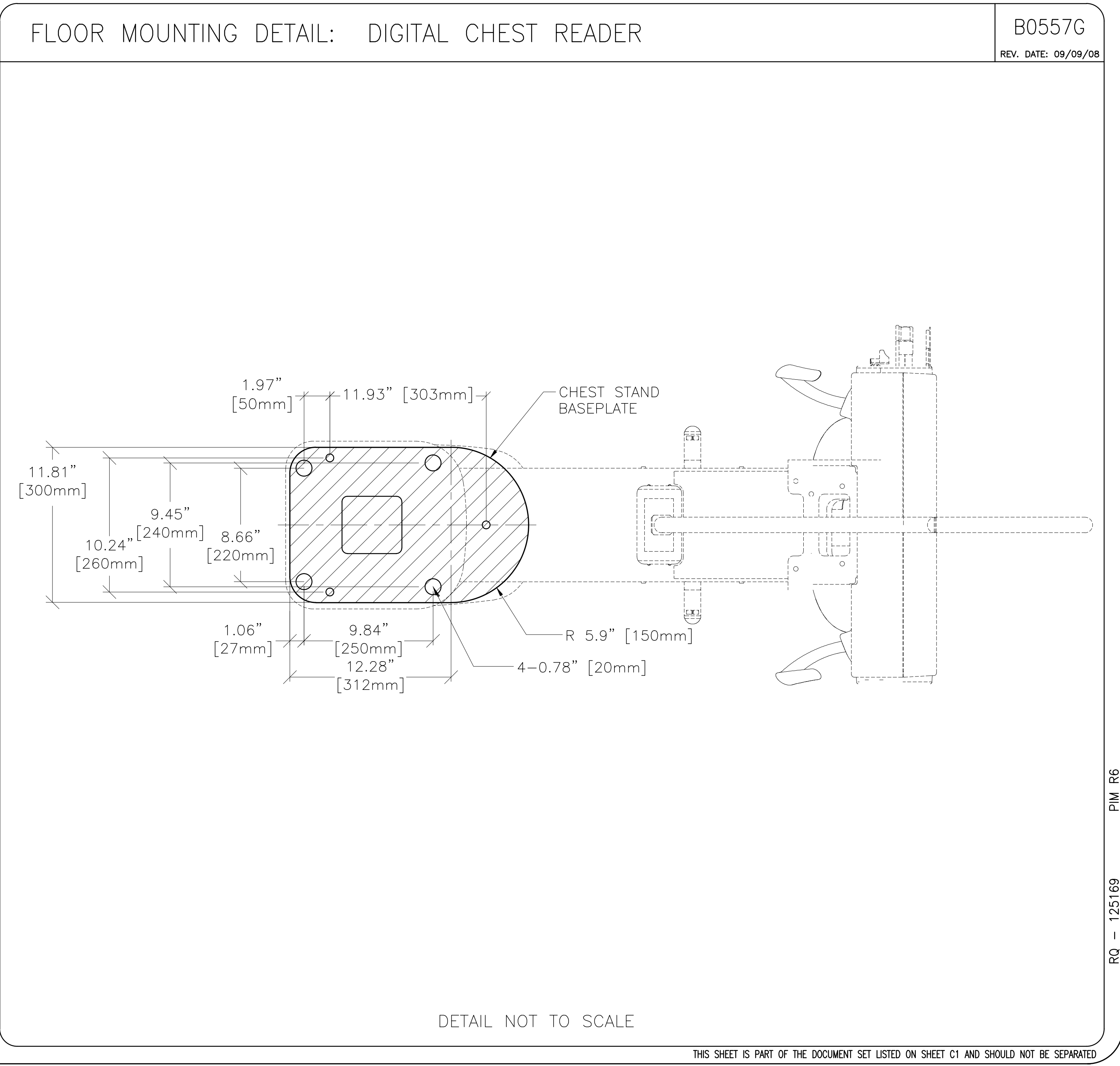
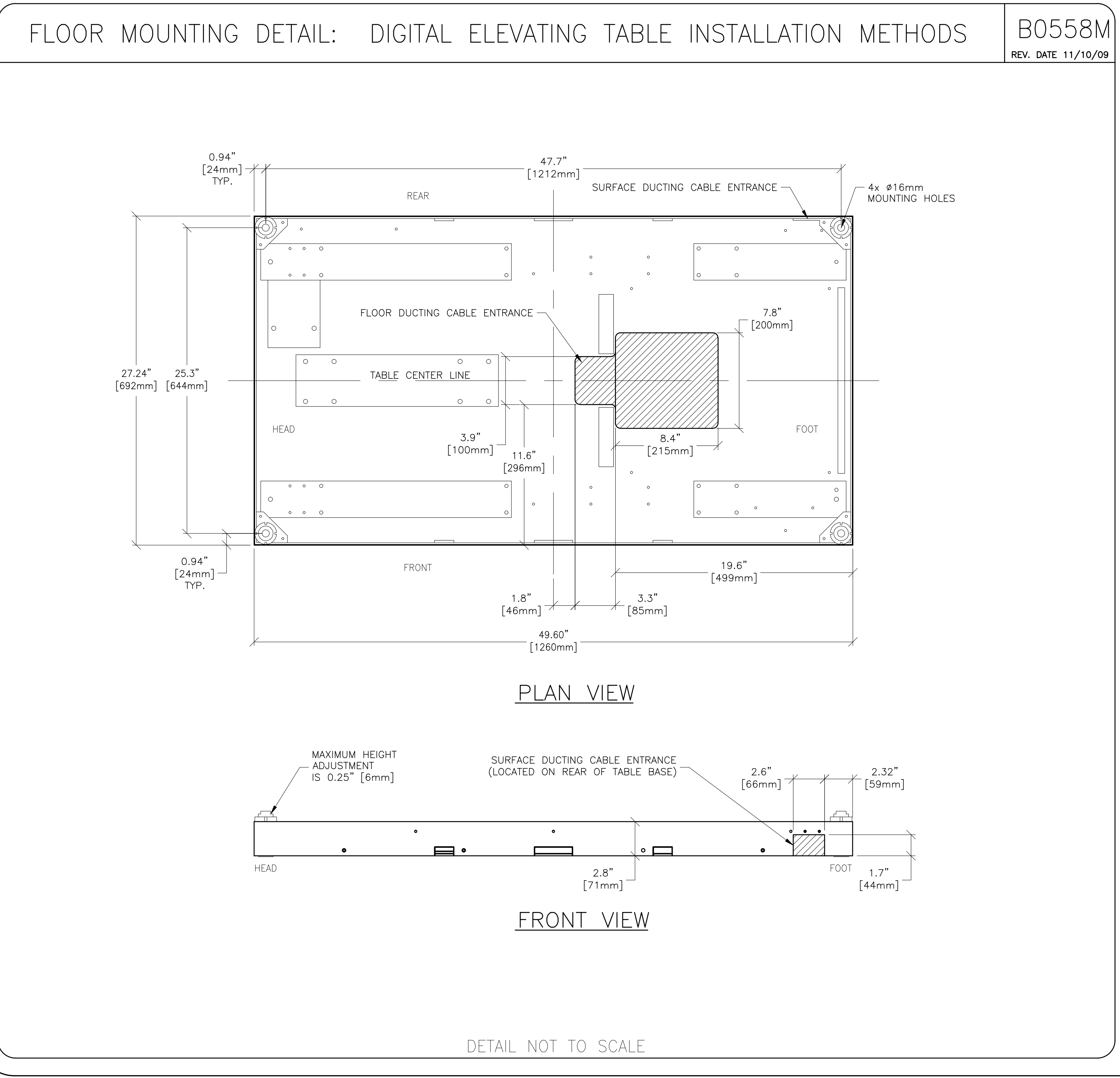
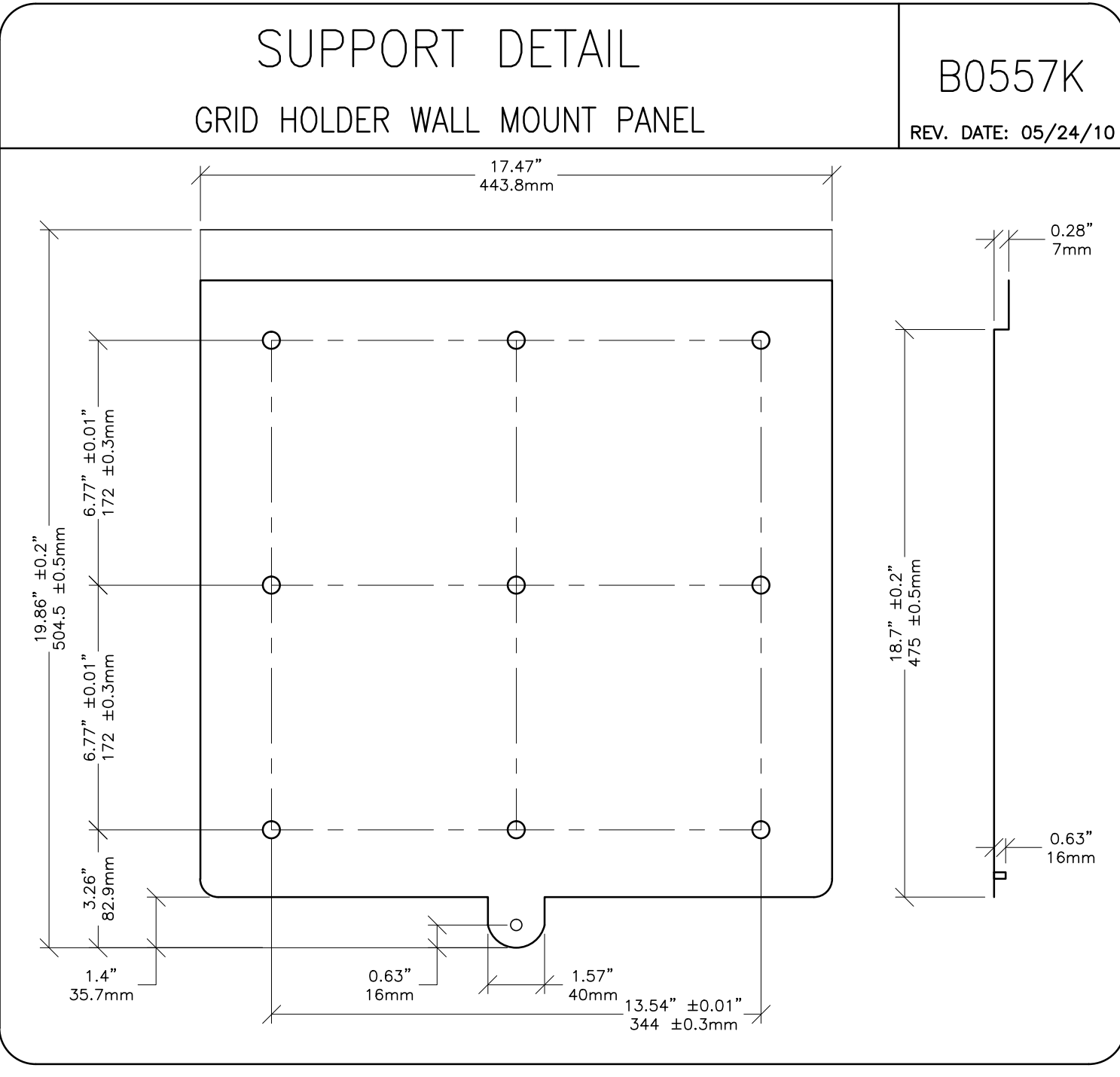
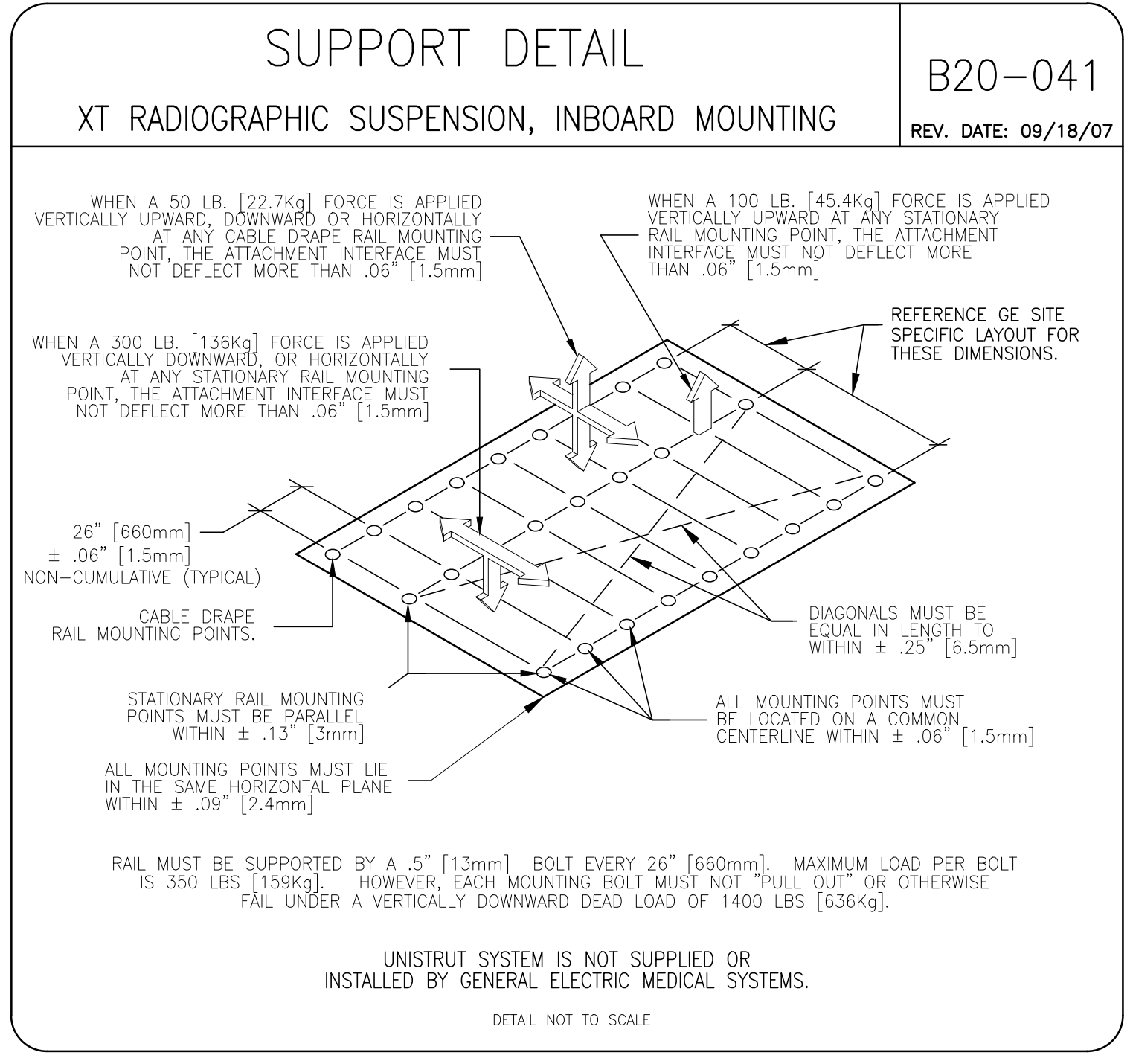
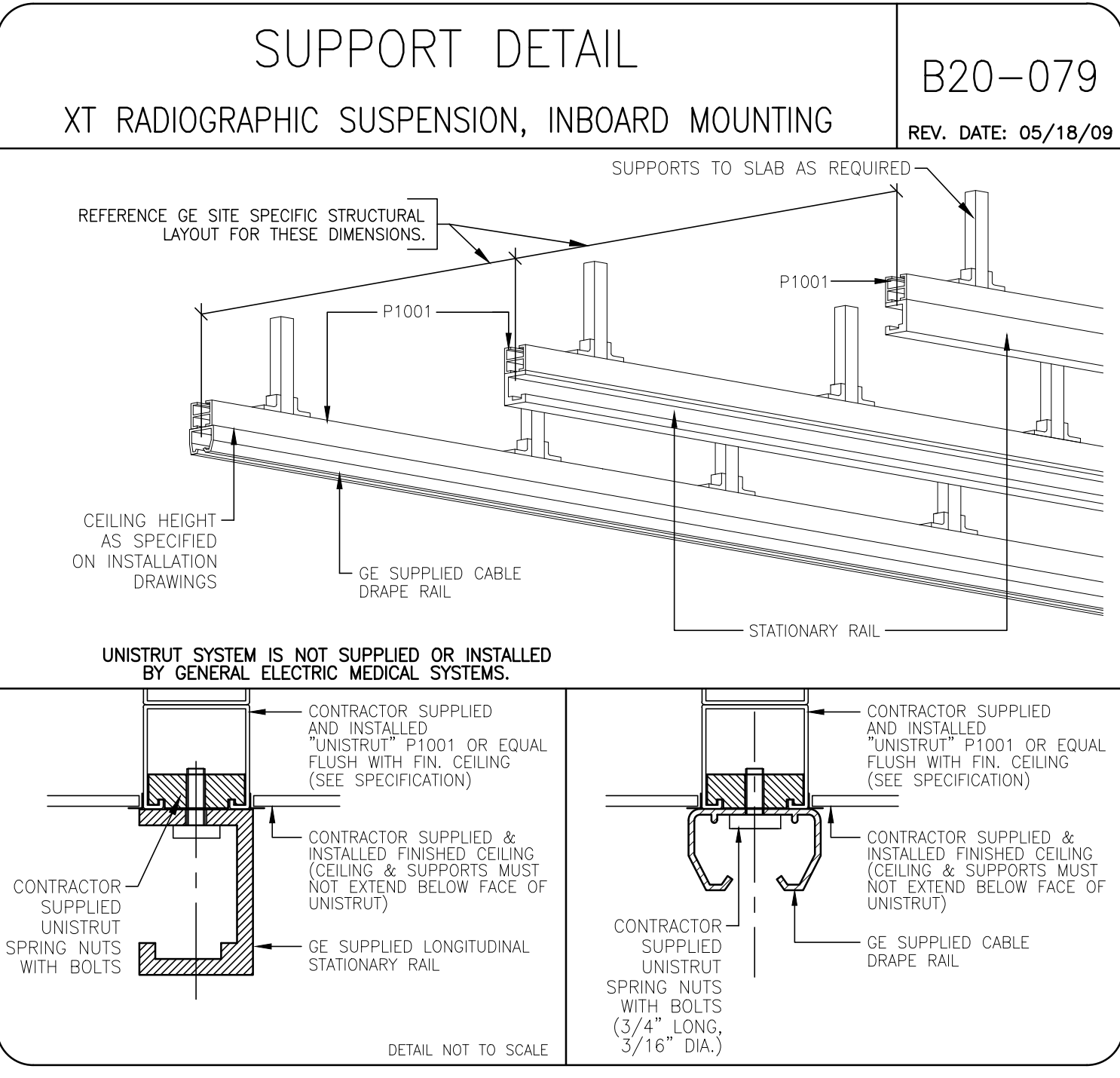
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1-142f	02

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REVISION HISTORY:

SHEET
 S1

PIM R6 RQ - 125169



GE Healthcare
Installation Services - Design Center
Madison, Wisconsin

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: OPTIMA XR640

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PROJECT TITLE:
1-142f
TYPICAL LAYOUT

PROJECT	REVISION
1-142f	02
DATE:	20.Feb.12
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REVISION HISTORY:

SHEET
S2

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

ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 9'-6"

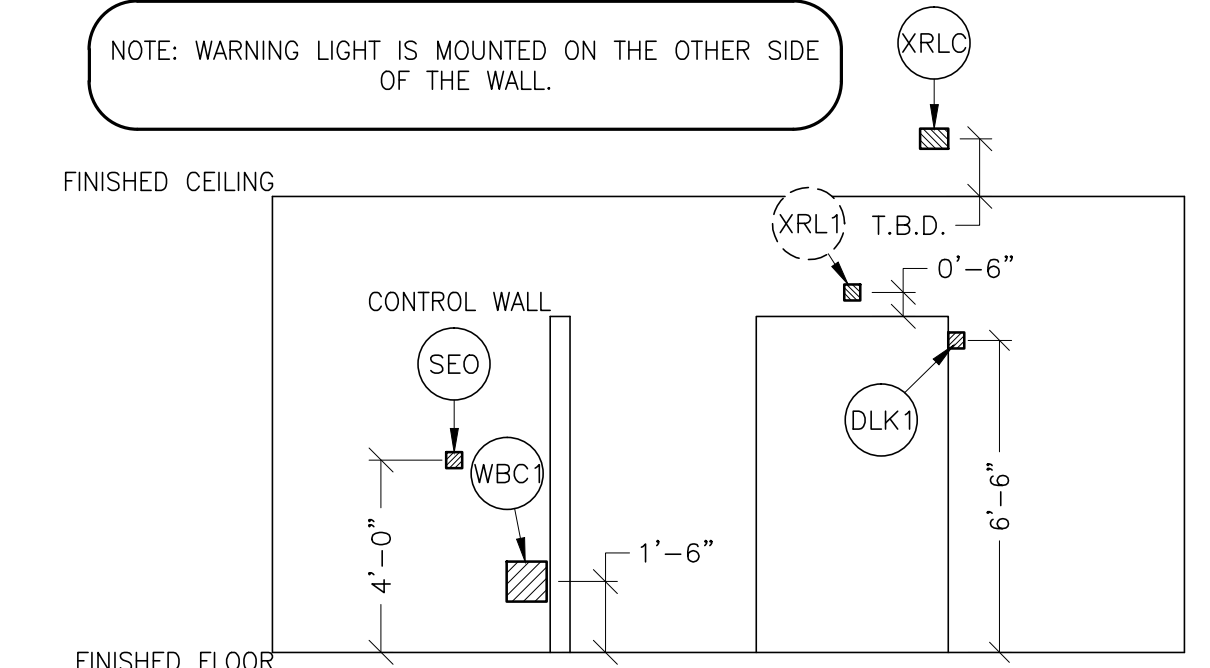
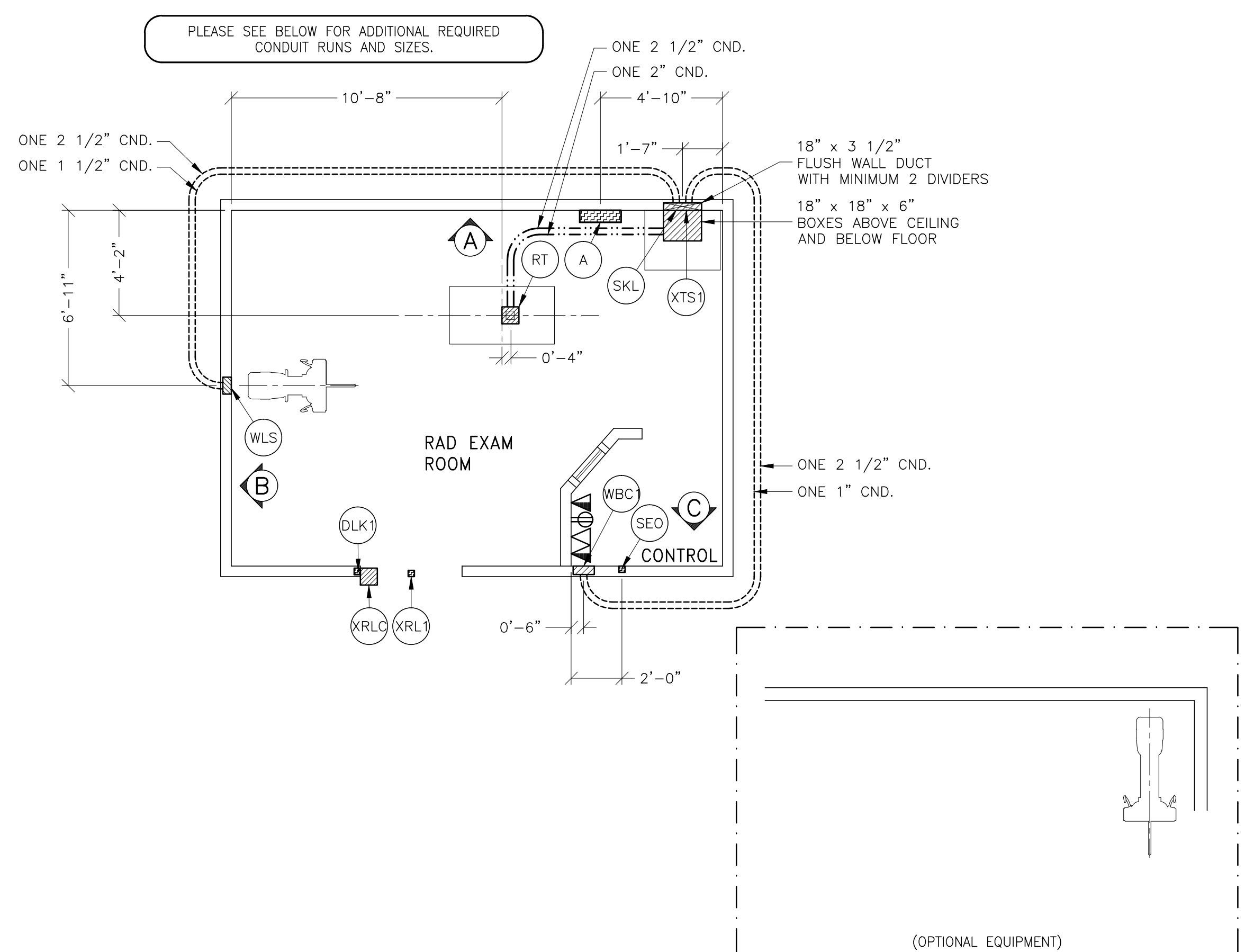
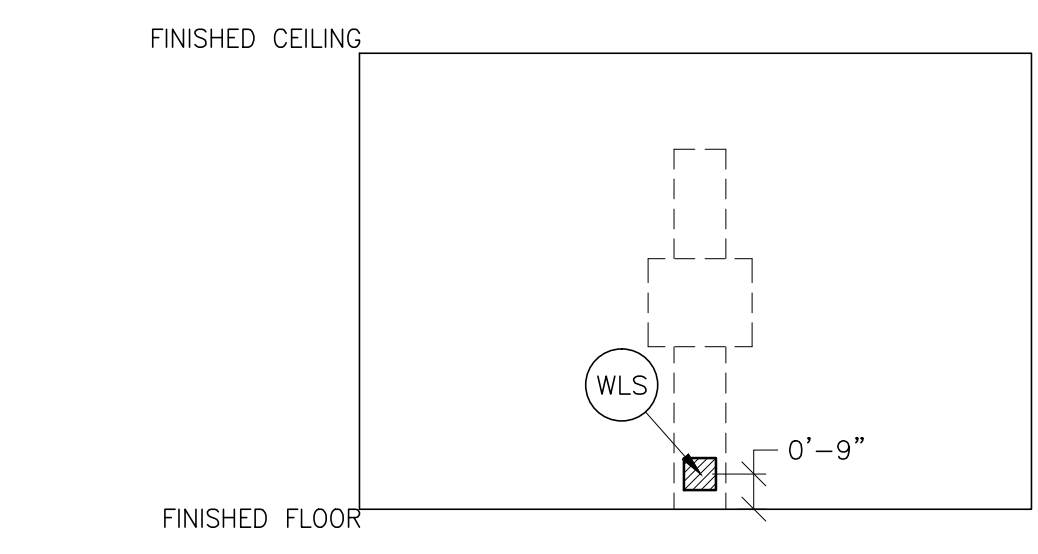
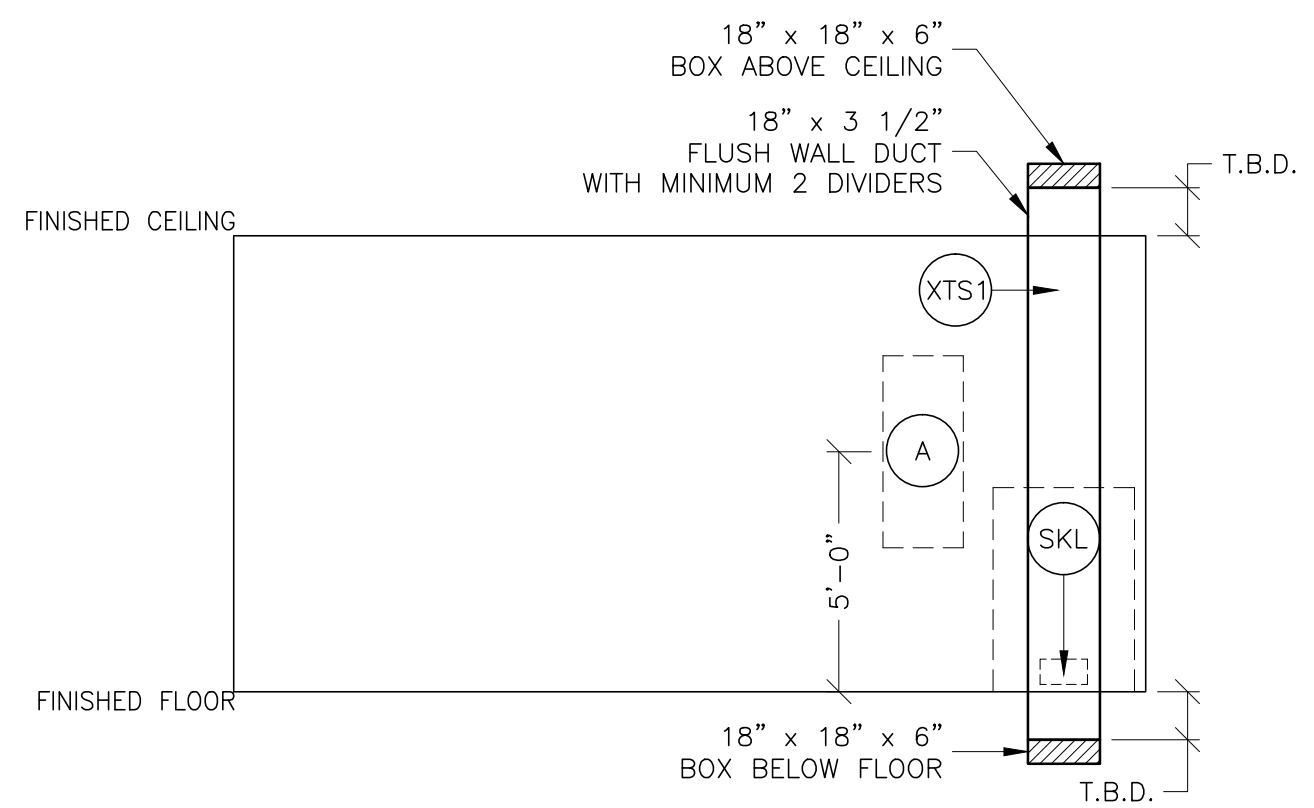
JUNCTION POINT DESCRIPTIONS

- ELECTRICAL OUTLET LEGEND**
 CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS. HEIGHT ABOVE FLOOR DETERMINED BY LOCAL CODES UNLESS OTHERWISE SPECIFIED.
- Ⓢ DUPLEX HOSPITAL GRADE, DEDICATED 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)

- DUCT HATCHING LEGEND**
- ▨ ABOVE CEILING DUCT
 - ▧ UNDER FLOOR DUCT
 - ▩ TRENCH DUCT (FLUSH FLOOR)
 - ▤ SURFACE FLOOR DUCT
 - ▦ CABLE TRAY
 - ABOVE CEILING CONDUIT
 - BELOW FLOOR CONDUIT

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

POINT	THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR		
	DESCRIPTION	QTY.	HARDWARE
A	MAIN DISCONNECT AVAILABLE FROM GEMSG. CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	80-AMP CIRCUIT BREAKER PANEL GEMSG CAT. NO. E4502ST OR WITH AUTO RESTART FEATURE-E4502RP. ONE REMOTE EMERGENCY OFF (SEO) PUSHBUTTON AND STAINLESS STEEL WALL PLATE STATION ARE WITH EACH MAIN DISCONNECT
DLK1	DOOR SWITCH (NEEDED ONLY IF REQUIRED BY STATE/ LOCAL CODES)	1	ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (24V) SINGLE GANG BOX
RT	TABLE	1	3 IN. CONDUIT STUBBED 2 IN. ABOVE FLOOR
SED	EMERGENCY OFF	1	SUITABLE BUSHING & LOCKNUT 1/2 IN. DIA. CHASE NIPPLE
SKL	SYSTEMS CABINET	1	8 X 8 X 4 IN. BOX BELOW FLOOR
WBC1	OPERATORS CONSOLE	1	PROVIDE A SINGLE GANG, 1/2 IN. DEEP, FLUSH MTD. WALL BOX
WLS	CHEST UNIT	1	10 X 10 X 4 IN. BDX
XRL1	WARNING LIGHT	1	SPLIT COVERPLATE 1/2 IN. DIA. CHASE NIPPLE 1/2 X 8 X 4 IN. BDX WITH DIVIDER
XRLC	WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC. CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	E4502RL WARNING LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER
XTS1	X-RAY TUBE HANGER	1	32 IN. OF GROMMET MATERIAL FOR AN 8 X 8 IN. OPENING IN DUCT COVER



JEDI 80kw SYSTEMS CABINET REV. DATE: 10/13/09

* 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 GE CABINET.
 * THE GROUNDING CONDUCTOR WILL BE OF SAME SIZE AS THE FEEDER. THIS GROUNDING 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	360-440 400	375-456 420	396-484 440	414-506 460
50	* 2	* 2	* 2	* 2	* 2
100	* 2	* 2	* 2	* 2	* 2
150	1/0	1	1	* 2	* 2
200	2/0	2/0	1/0	1/0	1
250	3/0	3/0	2/0	2/0	1/0
300	4/0	4/0	3/0	3/0	2/0
350	300M	250M	4/0	4/0	3/0
400	350M	300M	250M	4/0	4/0
450	400M	350M	300M	250M	4/0

ADDITIONAL CONDUIT RUNS FOR REVOLUTION SYSTEMS, OPTIMA XR640, DEFINIUM 8000, & DISCOVERY XR650 (BY CONTRACTOR)

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

TO	FROM	CONDUIT SIZE
XRLC	TO XRL1	ONE 1/2" CND.
XRLC	TO SKL	ONE 1/2" CND.
XRLC	TO 120-V 1Ø 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-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
A > SEO	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
SKL > XRLC	2-ND. 14 BLACK, 1-ND. 14 RED, 1-ND. 14 WHITE
SKL > DLK1	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
XRL1 > XRLC	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
A > XRLC	3-BLACK, 1-GREEN - REFER TO FEEDER TABLE
480-V > A	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE

GE Healthcare
 Installation Services - Design Center
 Madison, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT
 MODALITY TYPE: OPTIMA XR640

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

PROJECT TITLE:
 1-142f
 TYPICAL LAYOUT

PROJECT	REVISION
1-142f	02

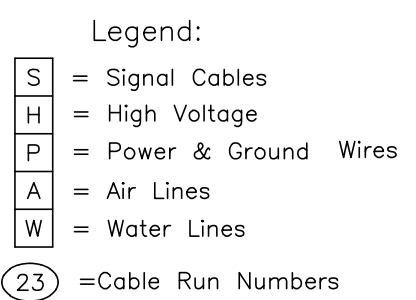
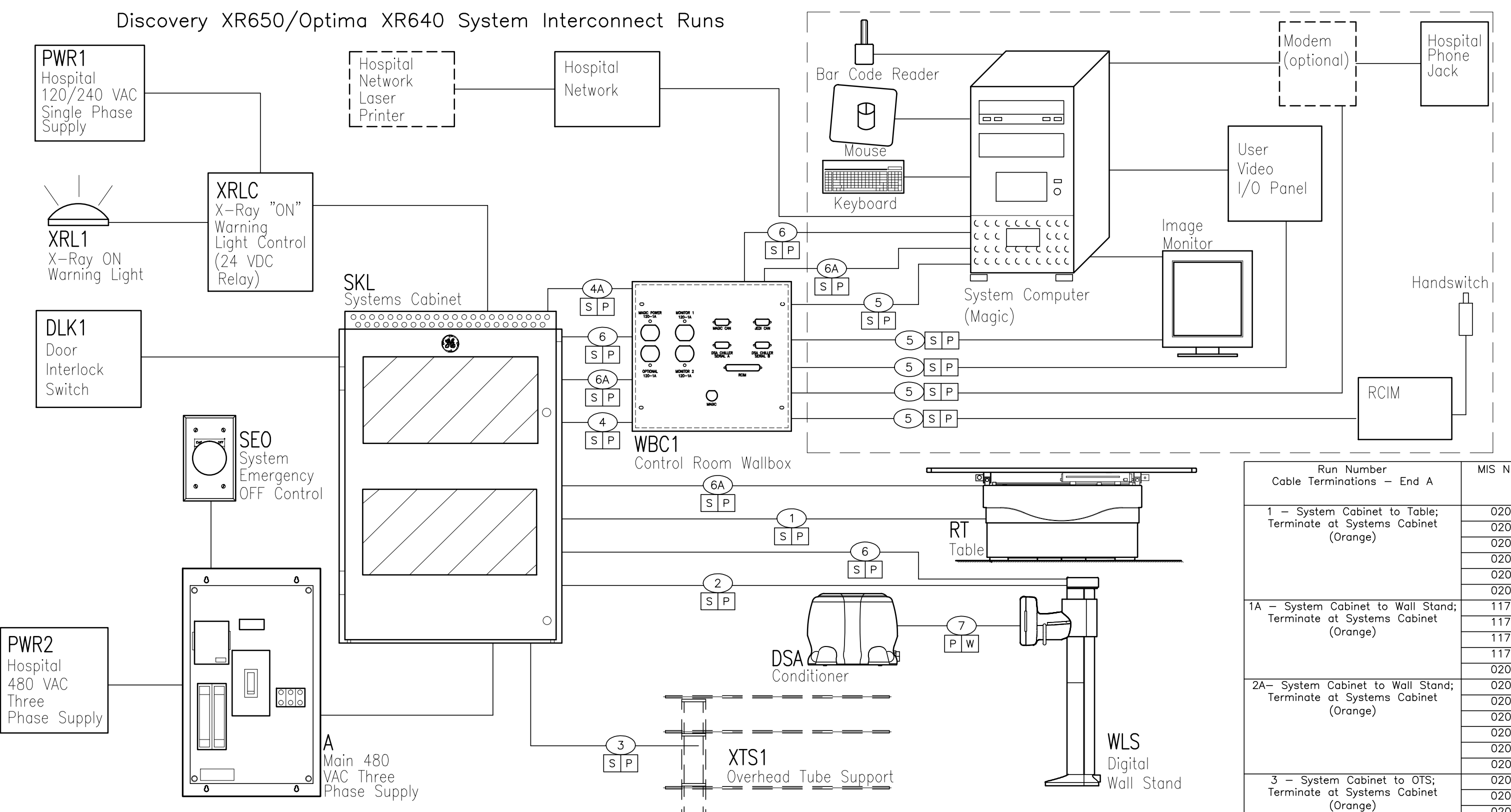
DATE: 20.Feb.12
 DRAWN BY: REK
 CHECKED BY: MKL

REVISION HISTORY:

NO.	DESCRIPTION

SHEET
 E1

INTERCONNECT DIAGRAM



REV. DATE: 26-Sep-11

Table with columns: Run Number, Cable Termination, End A, End B, MIS Number, Cable End A Connector Type, Cable End B Termination, Connector Dimensions (Width, Height, Diameter), and Connector Area.

Table with columns: Run Number, Cable Termination, End B, MIS Number, Cable End B Connector type, Cable End B Termination, Connector Dimensions (Width, Height, Diameter), and Connector Area.

Table with columns: Run Number, MIS Number, Description, Part Number, Short Cables (Standard) Total Length, Usable Length, Long Cables (Optional) Total Length, Usable Length, and Voltage Rating.

POWER SPECIFICATIONS

JEDI 80kw SYSTEMS CABINET REV. DATE: 12/07/10

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.

TABLE A ALLOWABLE INPUT VOLTAGES / CURRENT DEMAND

Table with columns: NOMINAL VOLTAGE, NORMAL RANGE ±10 PERCENT, CURRENT (AMPS) MAX. MOMENTARY and CONTINUOUS, and MINIMUM OVERCURRENT PROTECTION.

ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE

NOTE: LOW LINE CONDITIONS MAY INHIBIT SOME HIGH kVA 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 =4.6 kVA. (MAX DEMAND = 125 kVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

Table with columns: DEMAND (kVA * POWER FACTOR AT), and PRECISION 80 KW (125, 0.73, 630, 80).

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

DISTRIBUTION TRANSFORMER:

FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 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., MUST RUN DIRECT AS POSSIBLE OTHERWISE MAY RESULT IN THE NEED FOR GREATER THAN STANDARD CABLE LENGTHS (REFER TO THE INTERCONNECTION DIAGRAM FOR MAXIMUM USABLE LENGTHS POINT TO POINT).

NOTE 8: CONDUIT TURNS HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.

NOTE 9: A SPECIAL GROUNDING SYSTEM IS REQUIRED IN ALL PROCEDURE ROOMS BY SOME NATIONAL AND LOCAL CODES. IT IS RECOMMENDED IN AREAS WHERE PATIENTS MIGHT BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CONDITIONS. CONSULT THE GOVERNING ELECTRICAL CODE AND CONFER WITH APPROPRIATE CUSTOMER ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS TYPE OF GROUNDING SYSTEM.

NOTE 10: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT BE EXCEEDED.

NOTE 11: PHYSICAL CONNECTION OF PRIMARY POWER TO GE EQUIPMENT IS TO BE MADE BY CUSTOMERS ELECTRICAL CONTRACTOR WITH THE SUPERVISION OF A GE REPRESENTATIVE. THE GE REPRESENTATIVE WOULD BE REQUIRED TO IDENTIFY THE PHYSICAL CONNECTION LOCATION, AND INSURE PROPER HANDLING OF GE EQUIPMENT.

SHEET TITLE: ELECTRICAL SPECIFICATIONS MODALITY TYPE: OPTIMA XR640

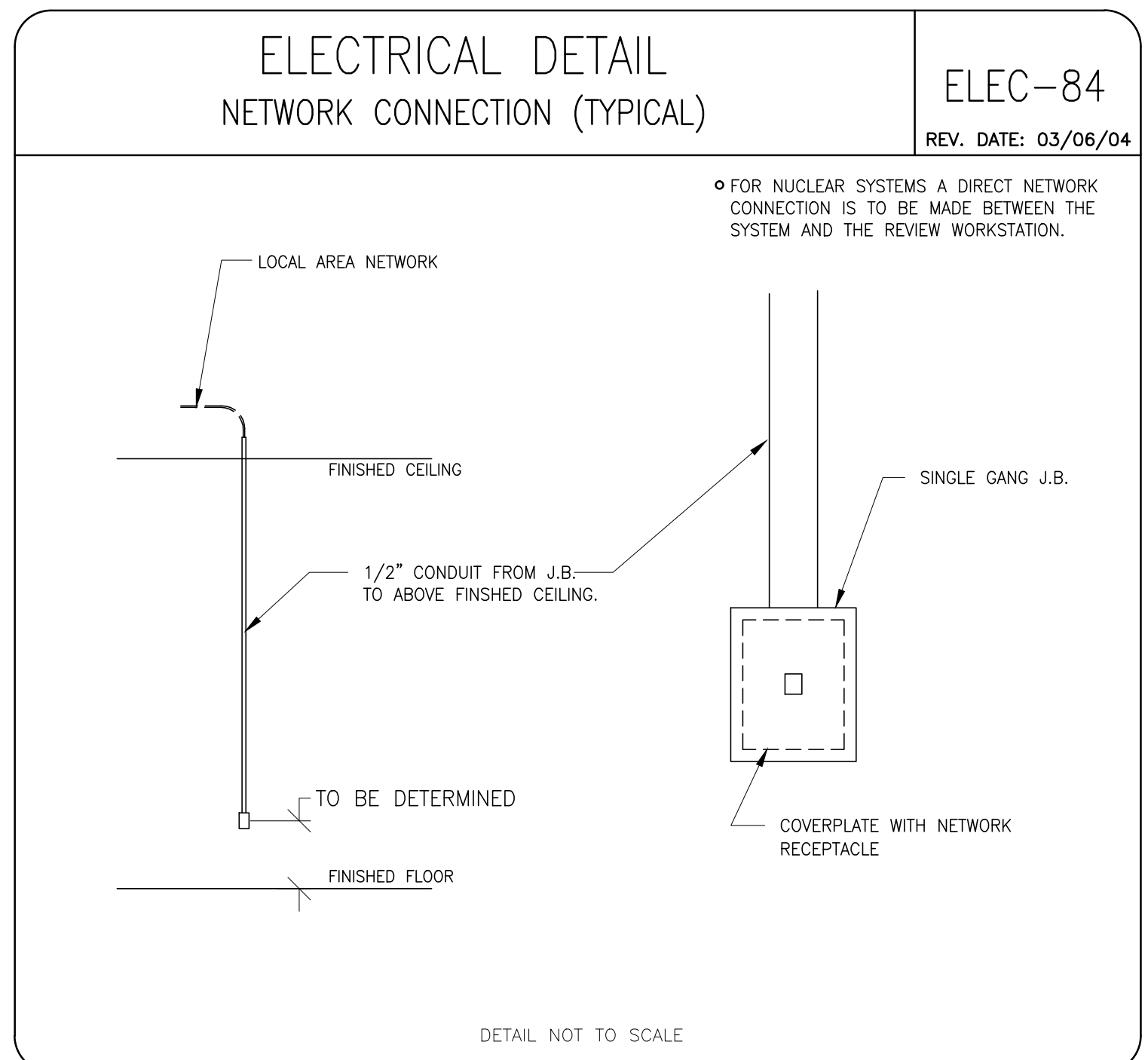
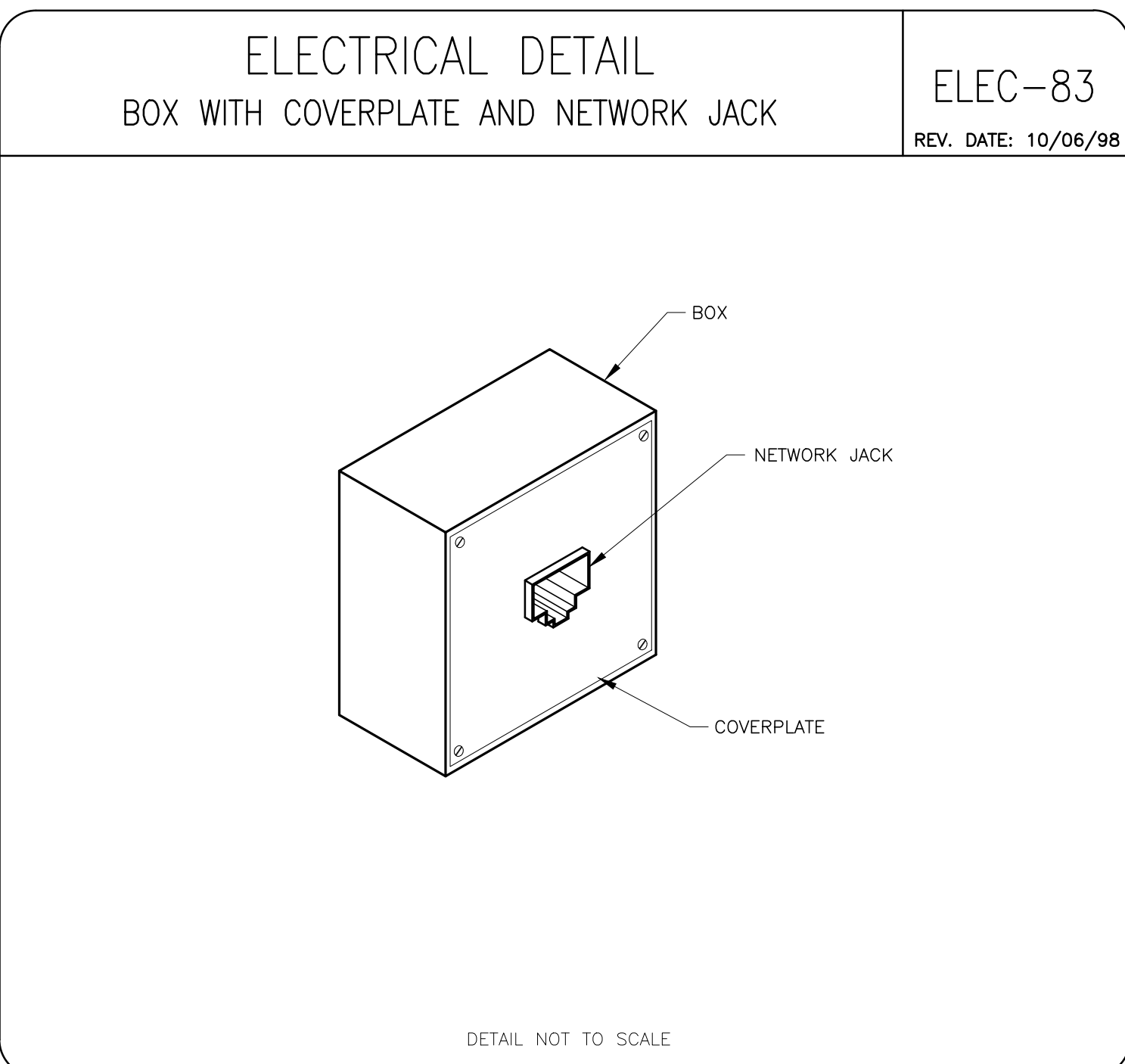
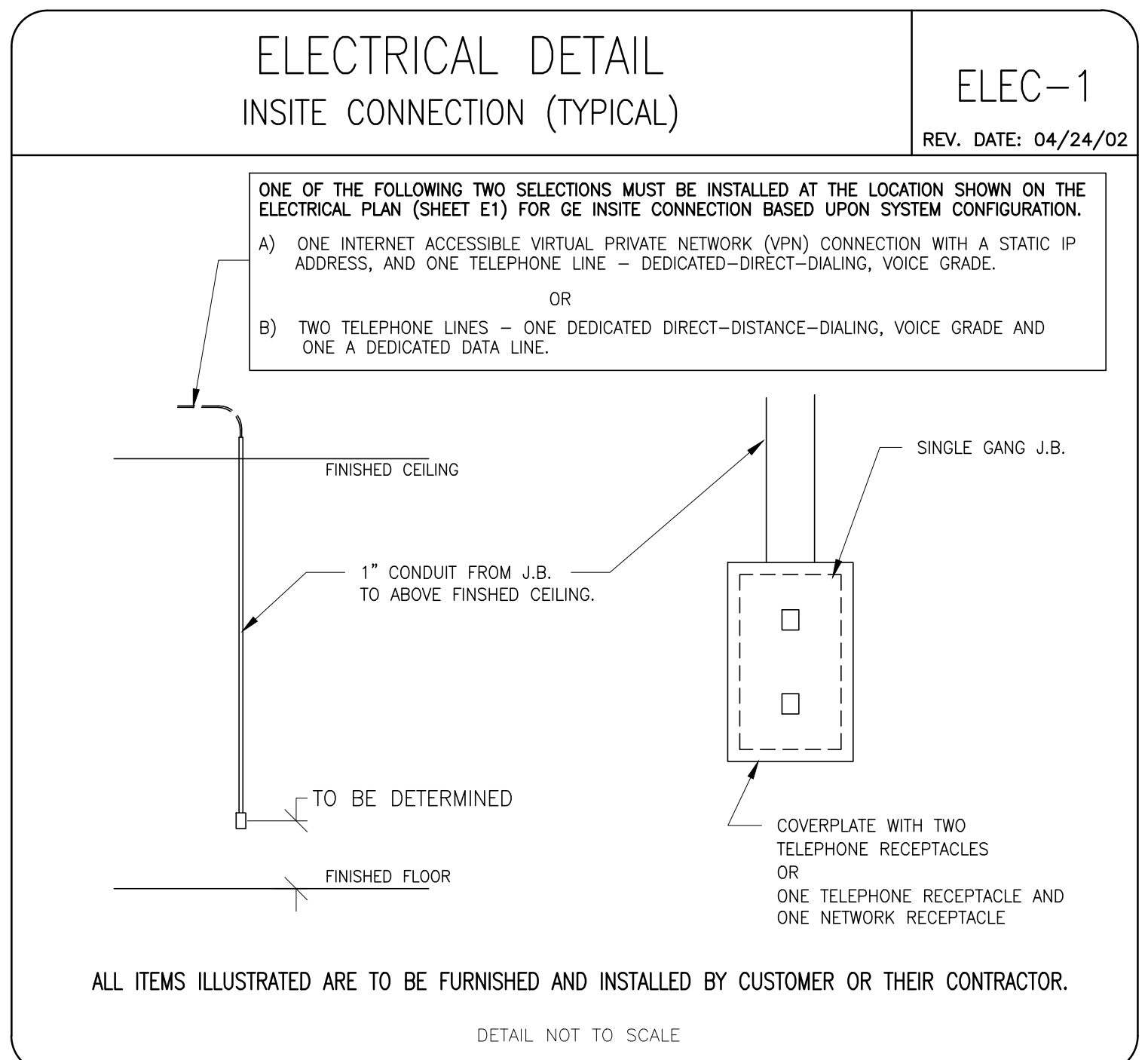
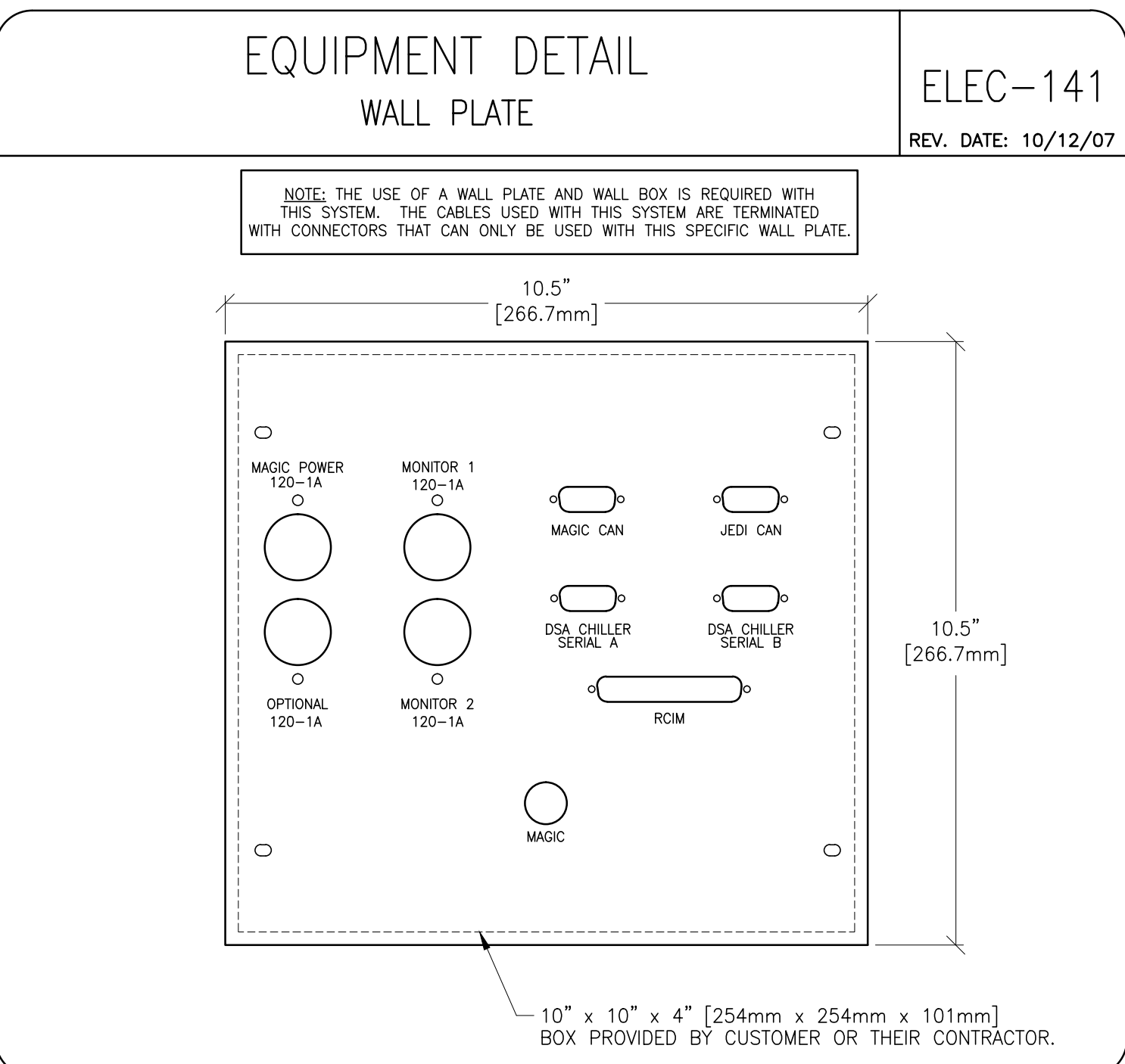
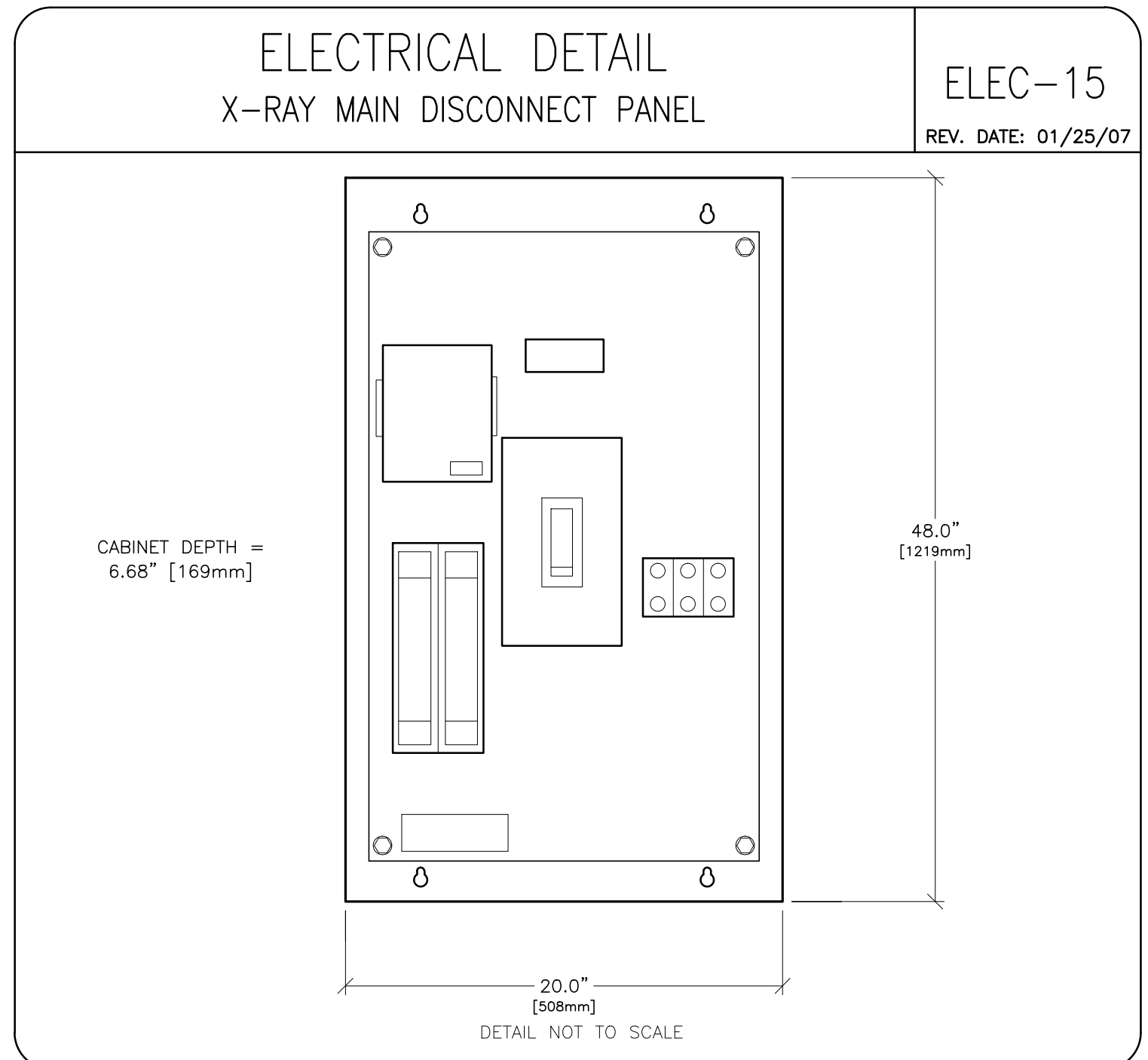
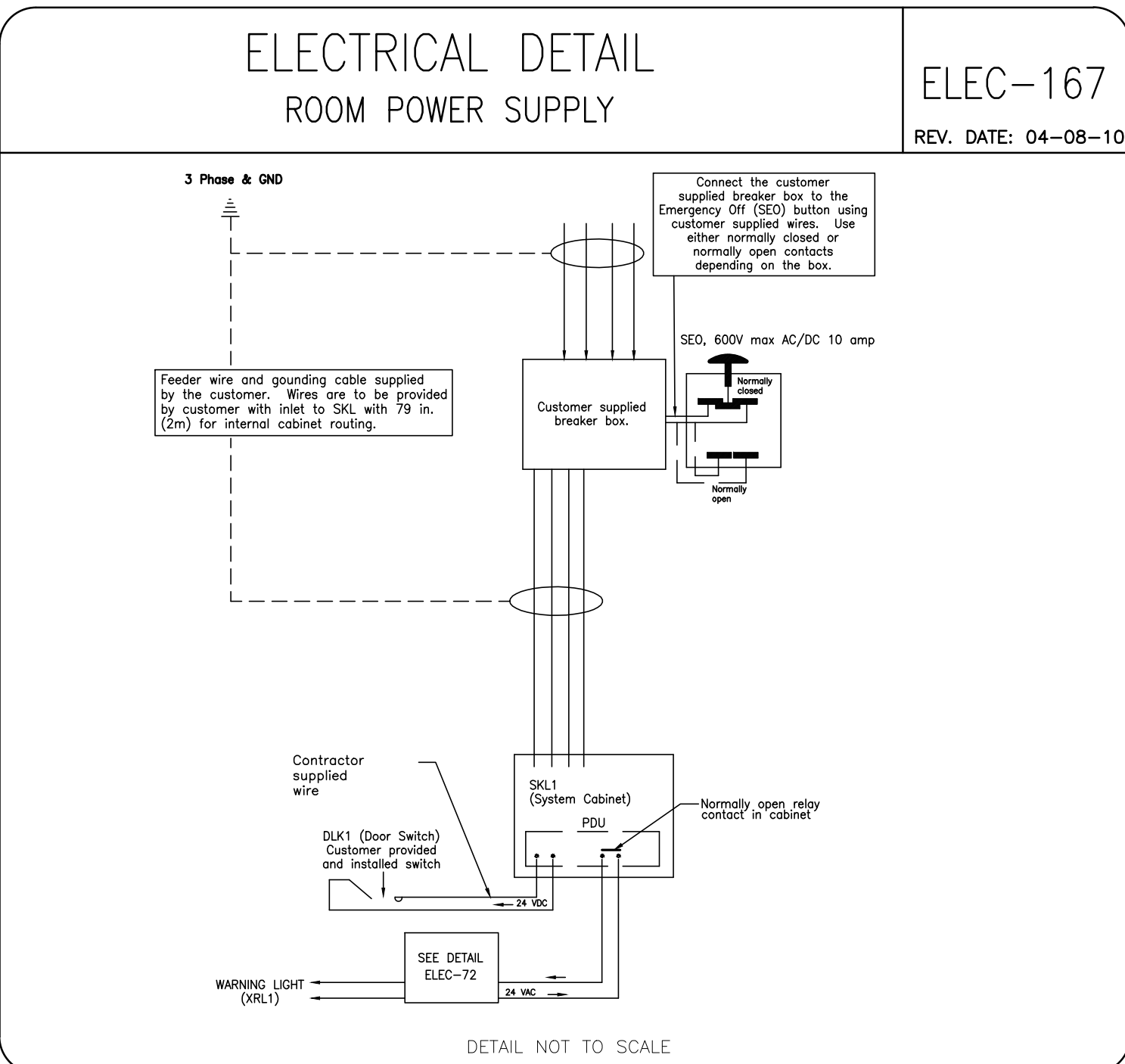
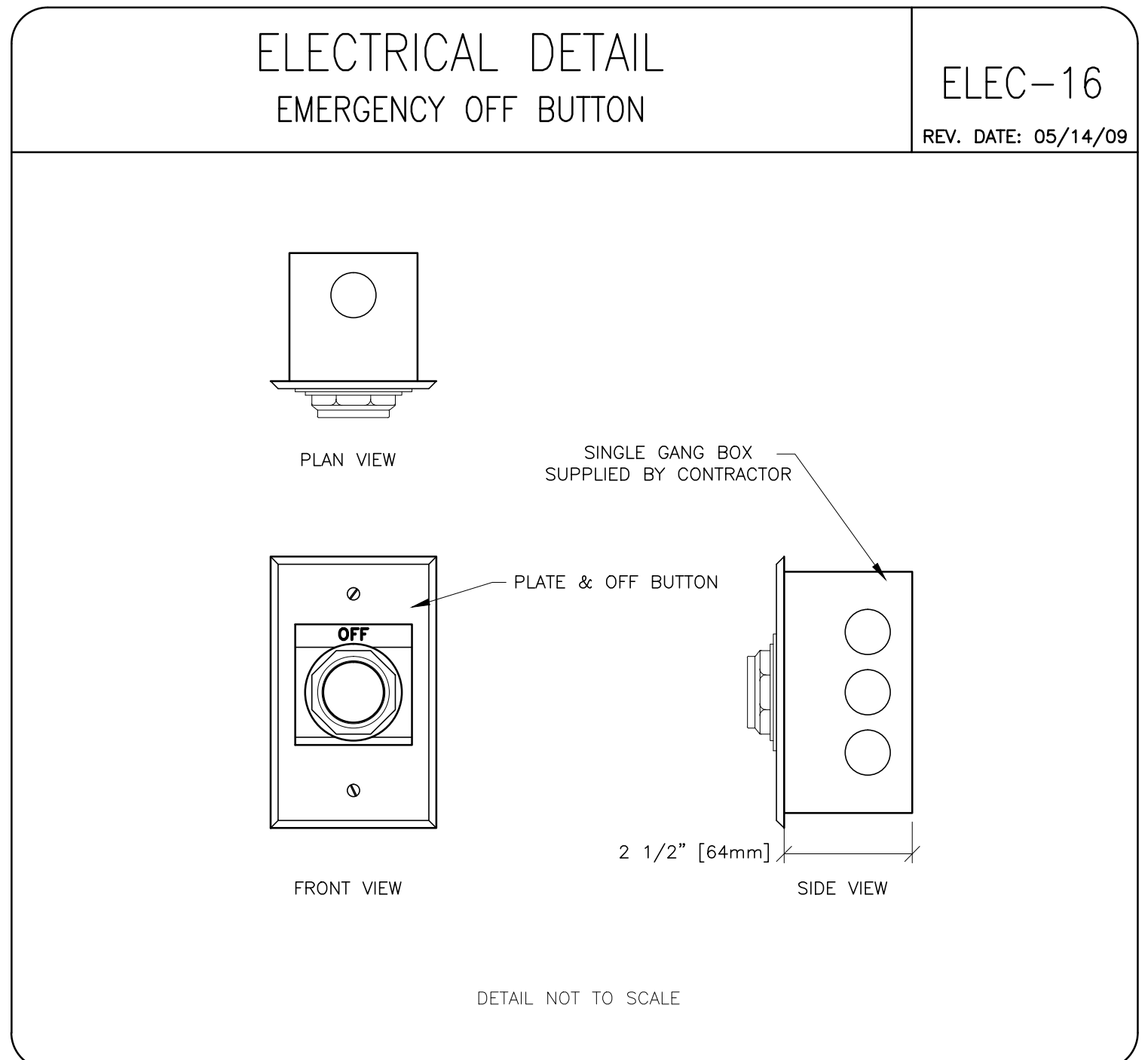
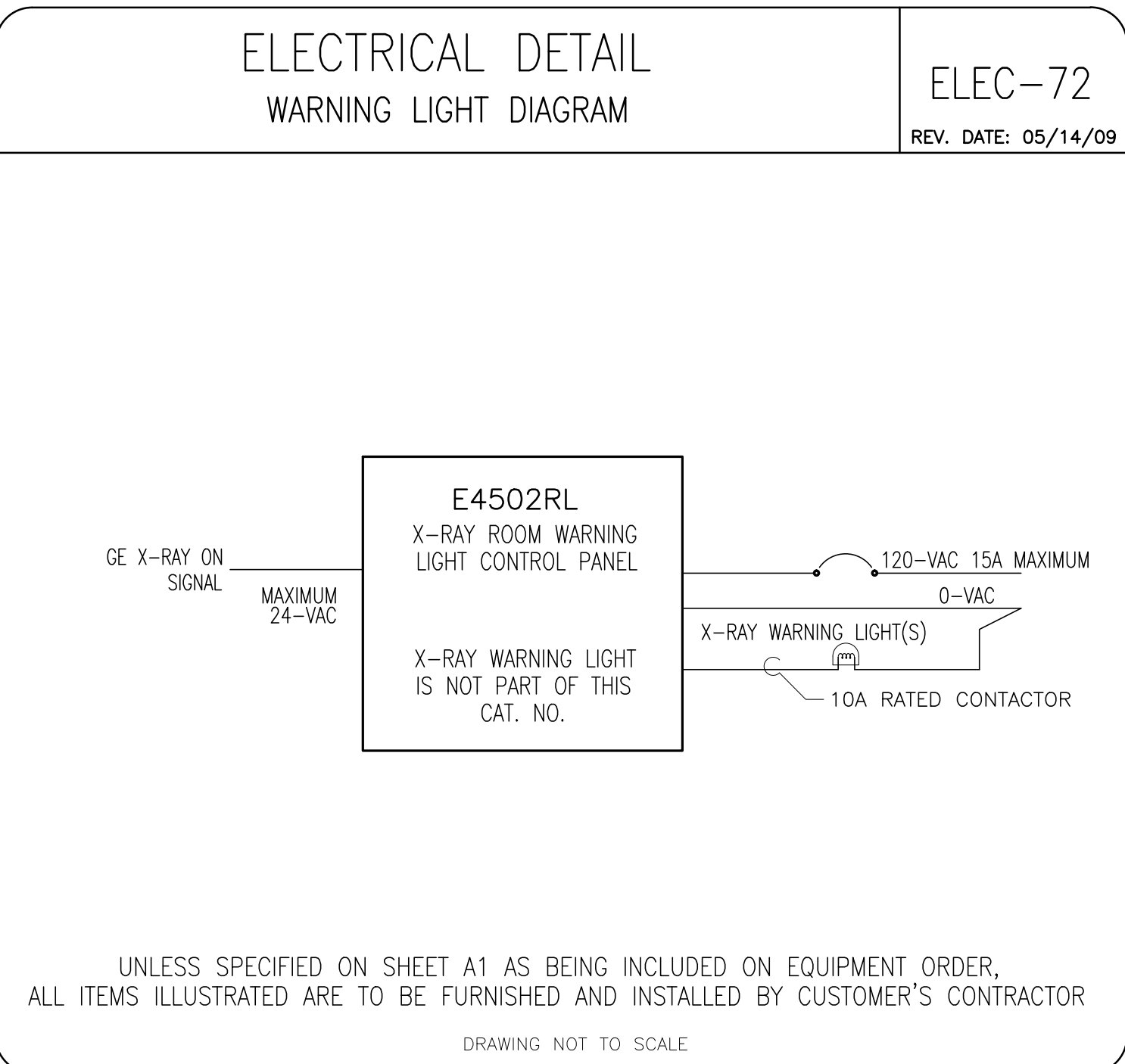
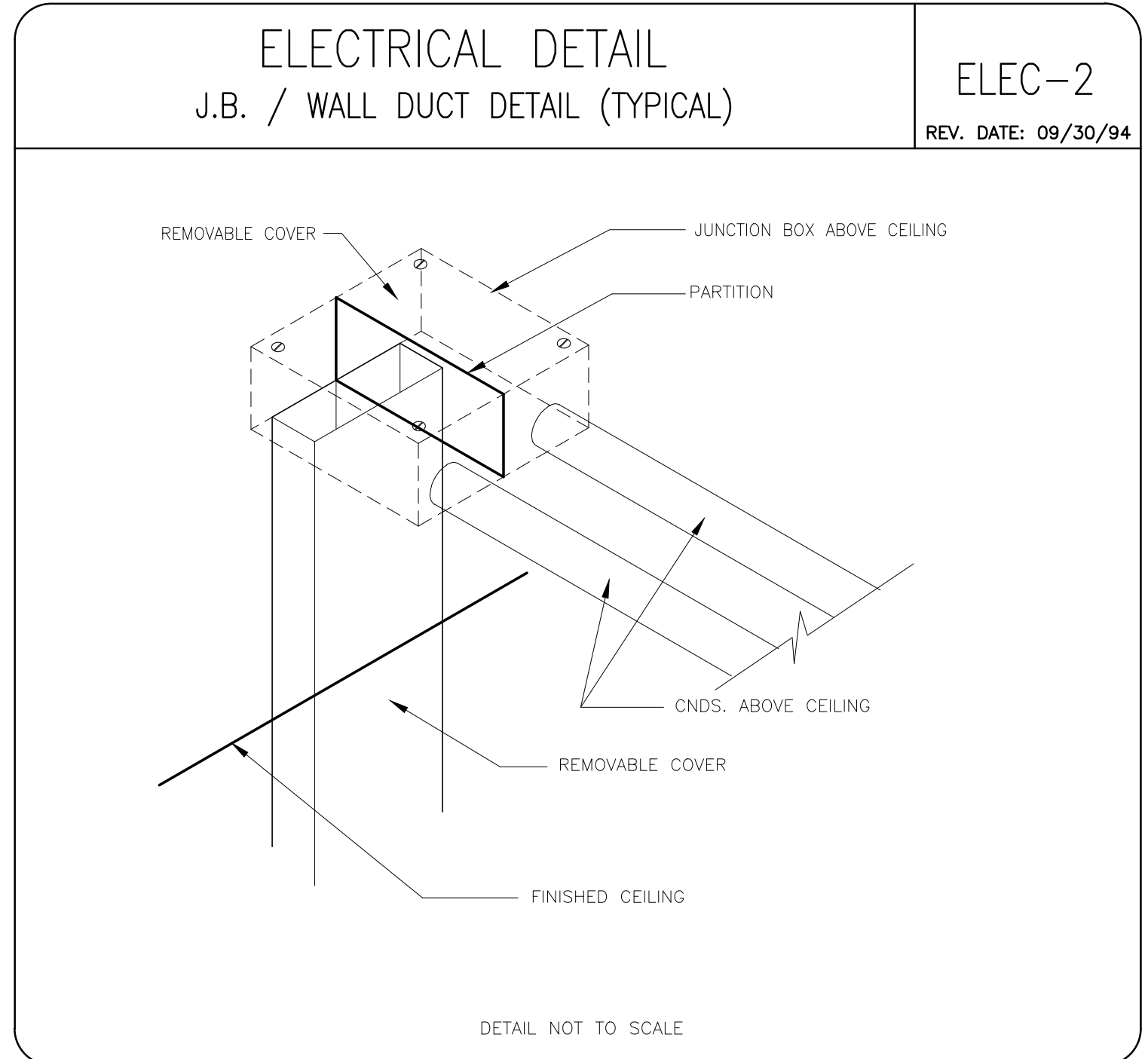
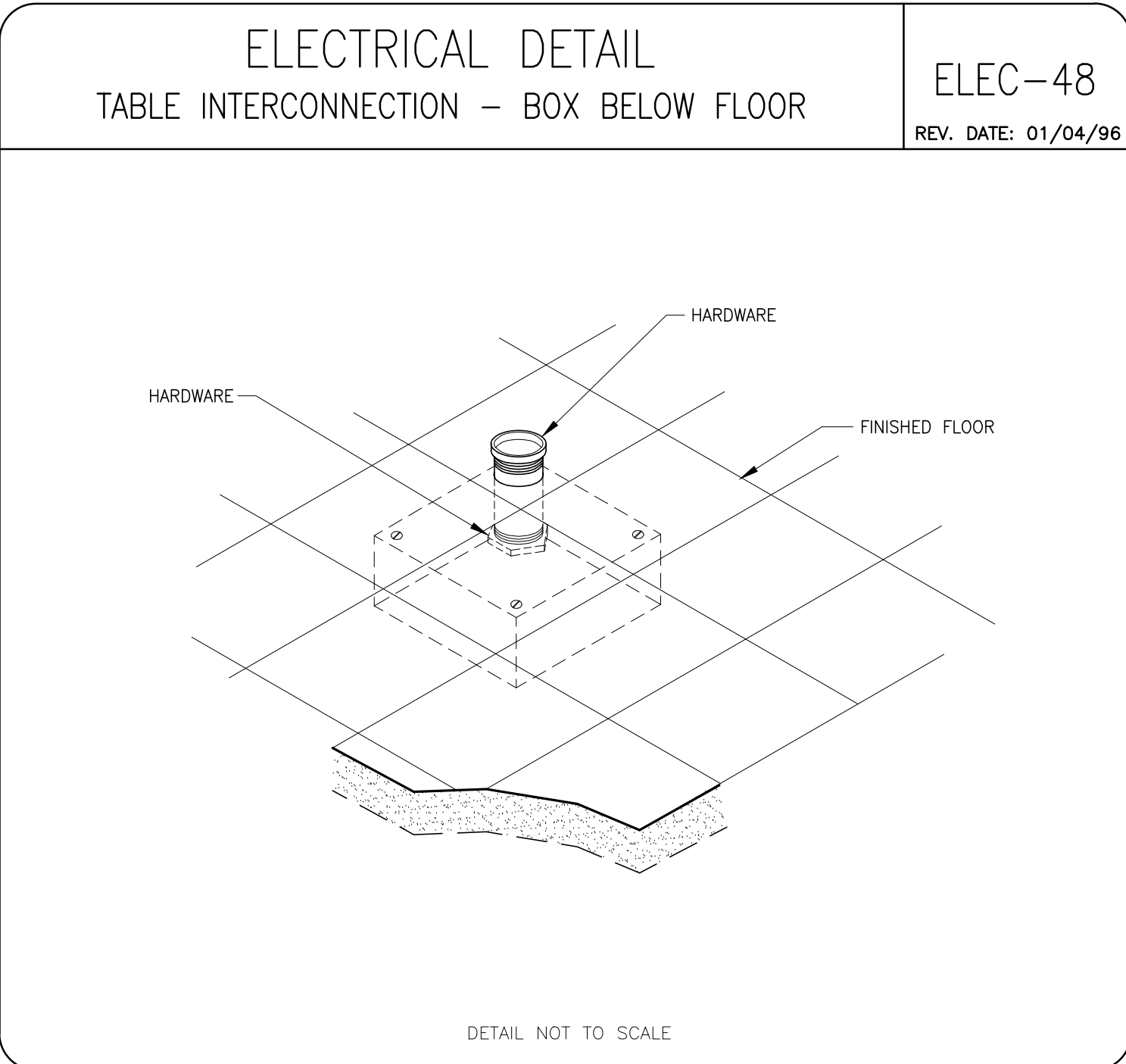
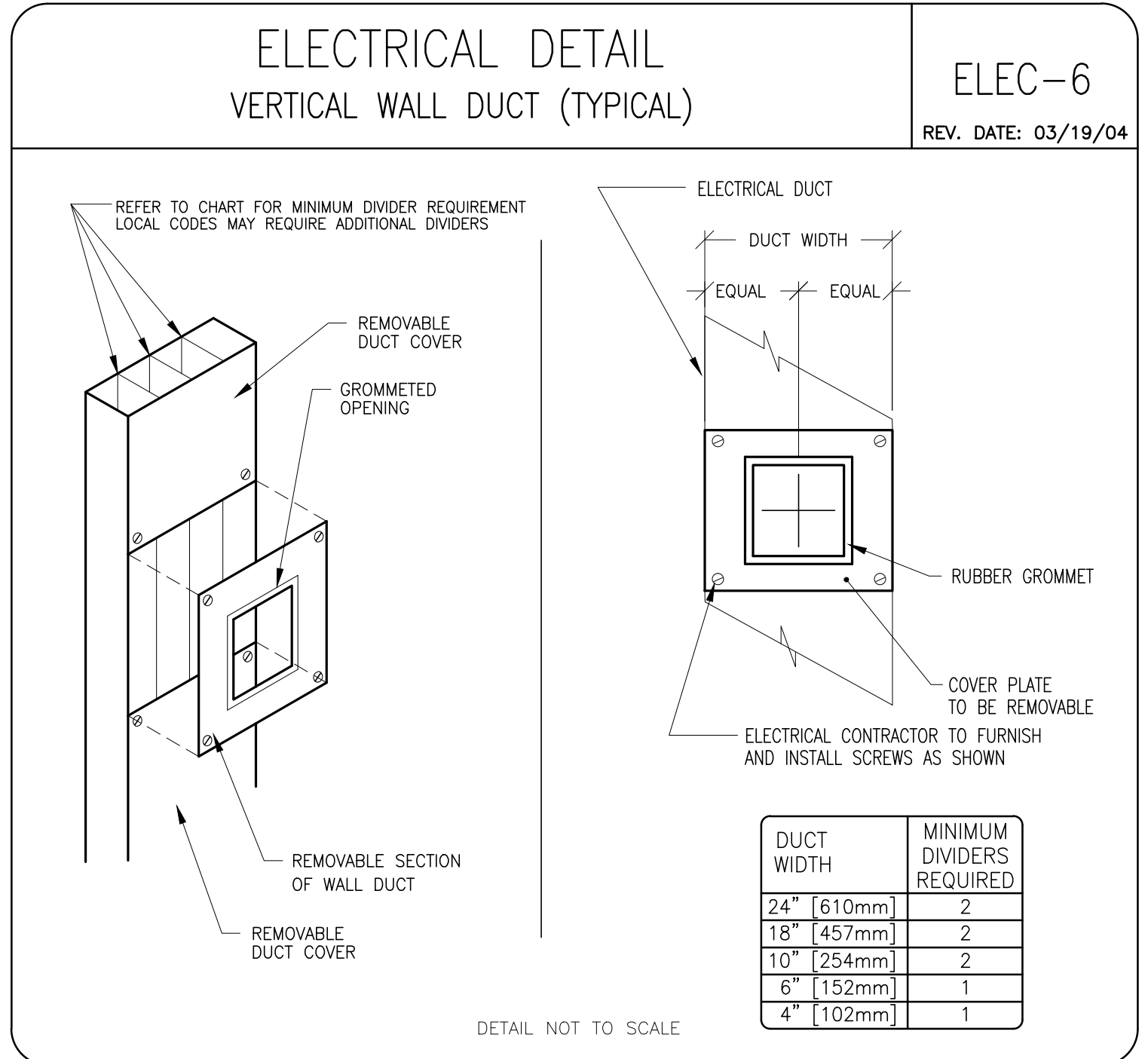
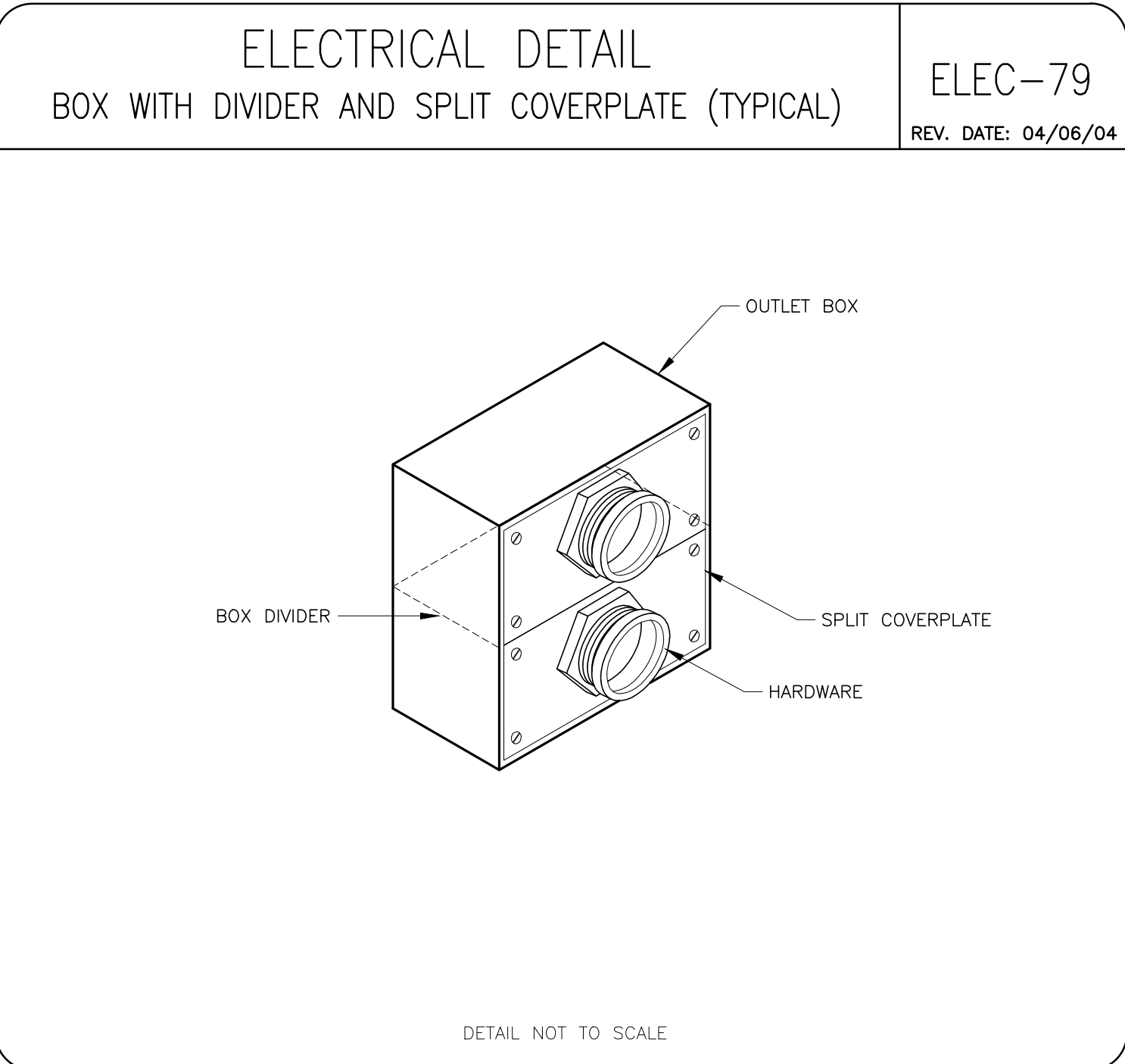
PROJECT TITLE: TYPICAL LAYOUT 1-142f

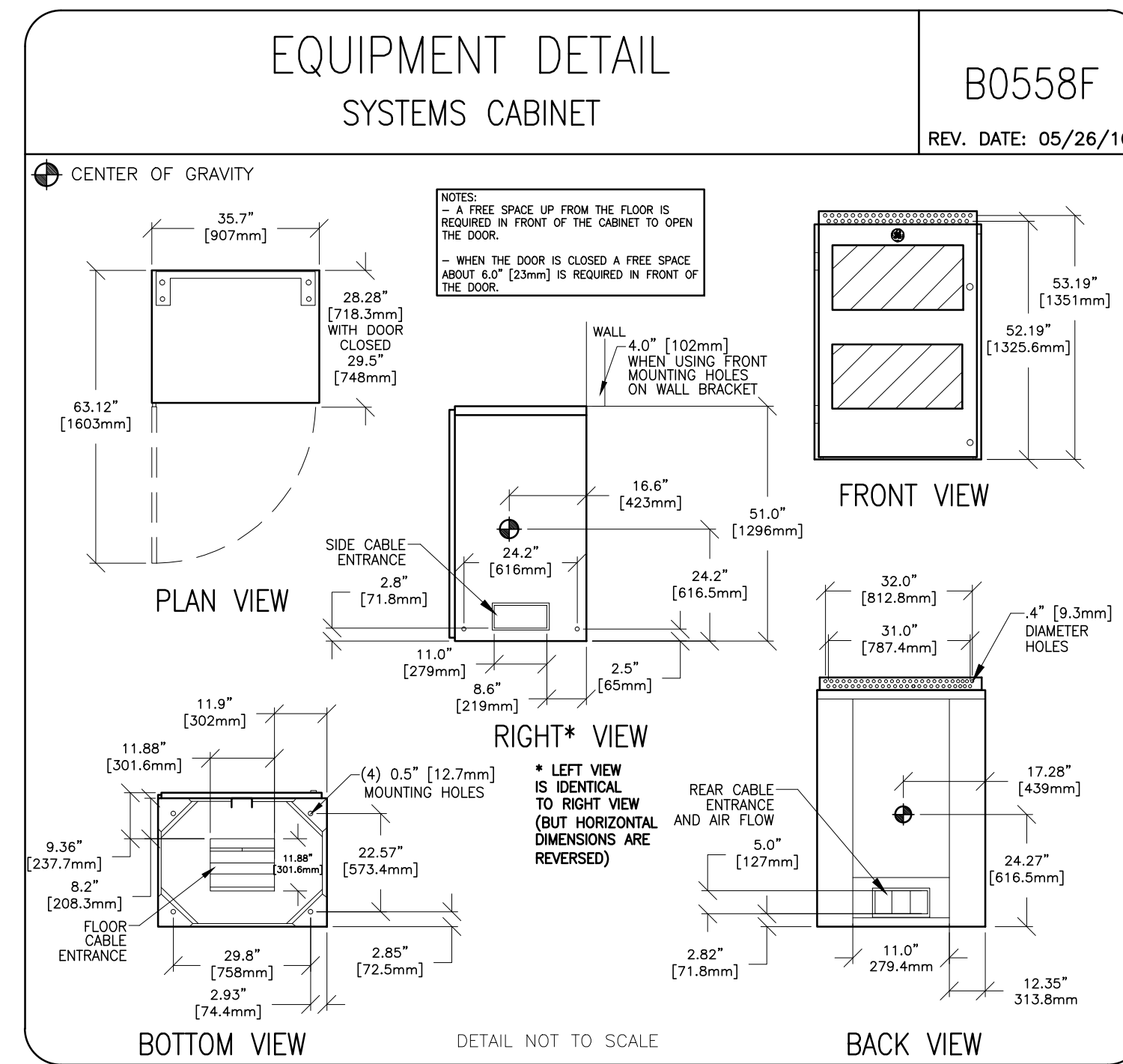
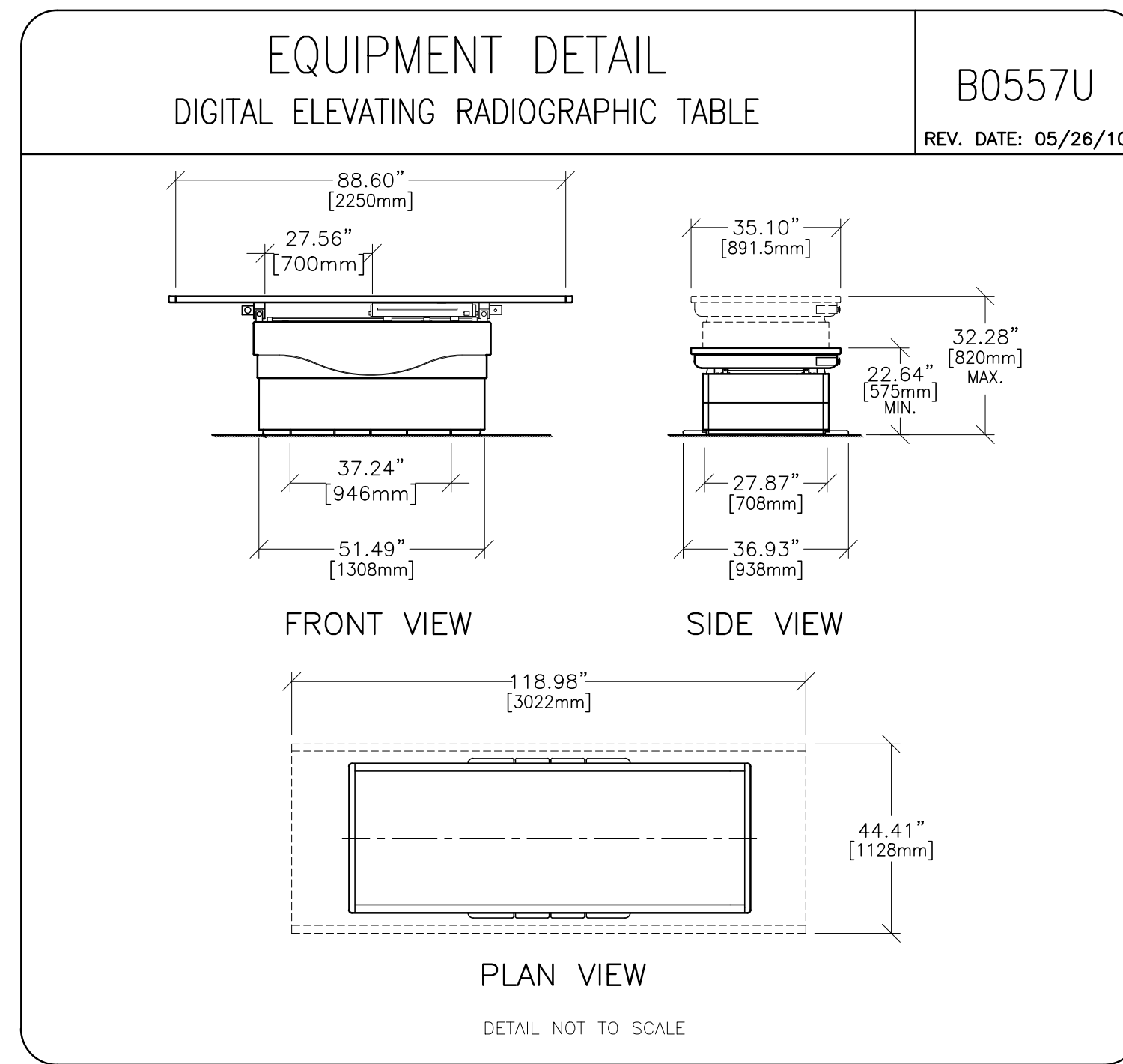
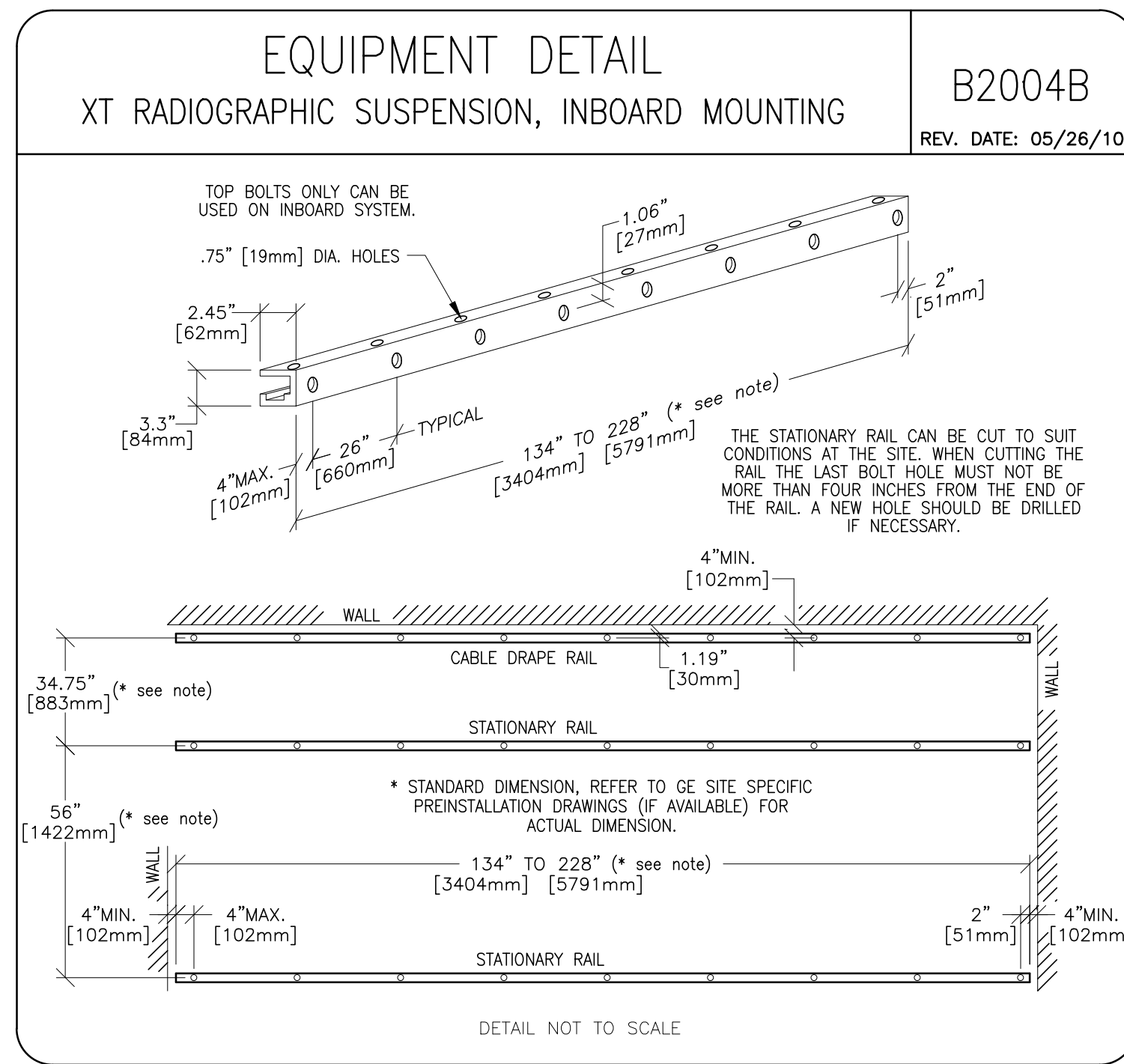
Table with columns: PROJECT, REVISION, and values: 1-142f, 02.

DATE: 20.FEB.12 DRAWN BY: REK CHECKED BY: MKL

Table with columns: REVISION HISTORY and empty rows.

SHEET E2





EQUIPMENT DETAIL EQUIPMENT SHIPPING DETAIL

B6564A
REV. DATE: 05/24/10

SHIPPING DIMENSIONS AND WEIGHTS - DOMESTIC SHIPMENTS				
LENGTH IN [MM]	WIDTH IN [MM]	HEIGHT IN [MM]	lbs [kg]	
SHIPPING DIMENSIONS (APPROX) - OVERHEAD TUBE SUPPORT INCLUDING X-RAY TUBE				
34 [864]	41 [1039]	53.5 [1355]	849 [385]	BOX/CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - SET OF 2 RAILS				
233 [5920]	7 [178]	3 [76]	150 [68]	BOX
SHIPPING DIMENSIONS (APPROX) - 2 METER BRIDGE				
87 [2210]	29 [737]	7 [178]	138 [63]	BOX
SHIPPING DIMENSIONS (APPROX) - 3 METER BRIDGE				
122 [3099]	29 [737]	7 [178]	185 [84]	BOX
SHIPPING DIMENSIONS (APPROX) - 4 METER BRIDGE				
200 [5080]	29 [737]	8 [203]	305 [138]	BOX
SHIPPING DIMENSIONS (APPROX) - 2 METER CABLE ASSEMBLY				
32 [813]	23 [584]	9 [229]	100 [45]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - 3 METER CABLE ASSEMBLY				
32 [813]	23 [584]	9 [229]	108 [49]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - 4 METER CABLE ASSEMBLY				
32 [813]	23 [584]	9 [229]	110 [50]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - SYSTEM CABINET				
53 [1321]	34 [864]	52 [1321]	895 [406]	DOLLY

EQUIPMENT DETAIL EQUIPMENT SHIPPING DETAIL

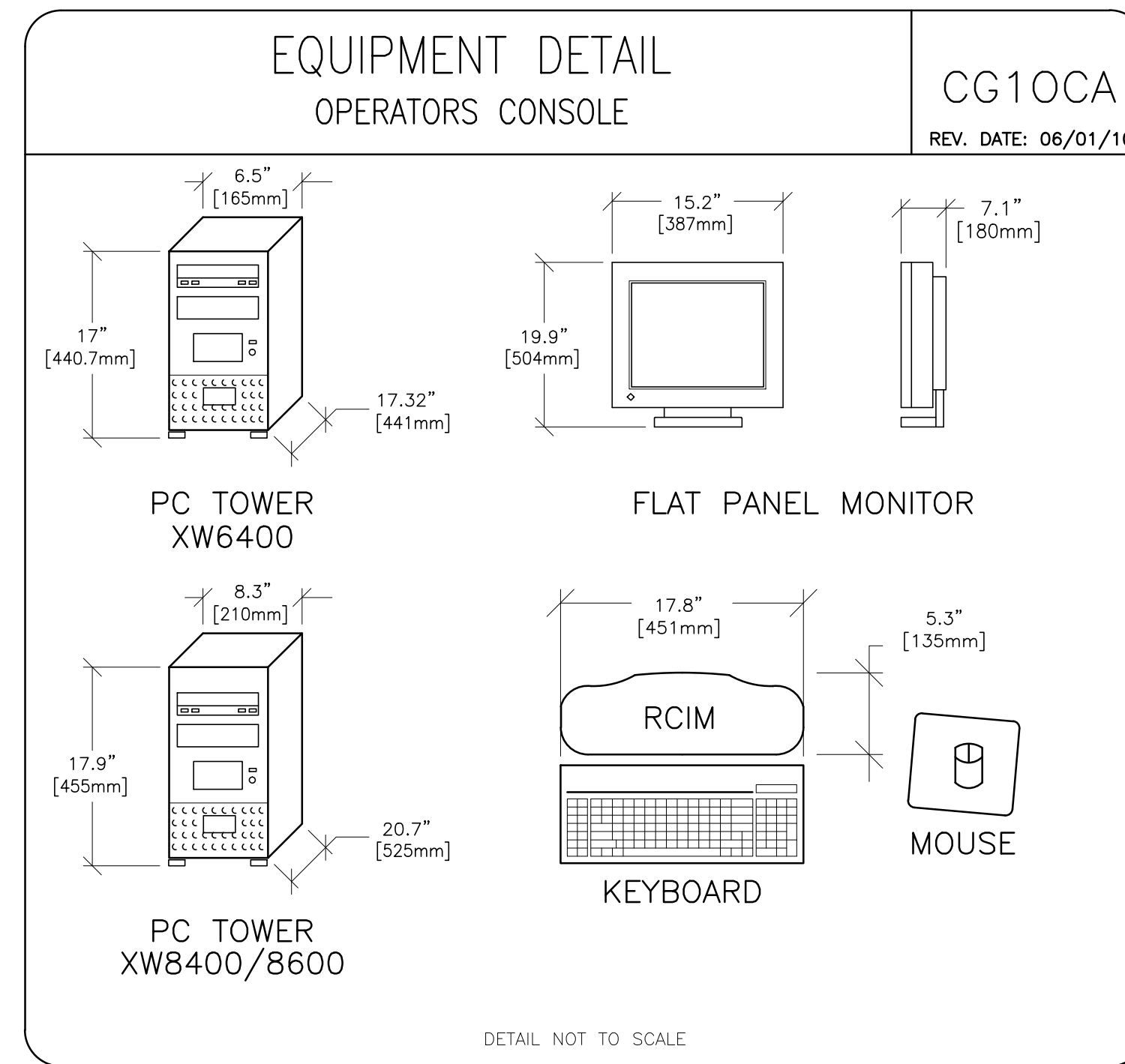
B6564B
REV. DATE: 05/24/10

SHIPPING DIMENSIONS AND WEIGHTS - DOMESTIC SHIPMENTS				
LENGTH IN [MM]	WIDTH IN [MM]	HEIGHT IN [MM]	SHIPPING WEIGHT lbs [kg]	SHIPPING METHOD
SHIPPING DIMENSIONS (APPROX) - SYSTEM CABINET HARDWARE				
51 [1300]	34 [860]	24 [610]	332 [151]	BOX
SHIPPING DIMENSIONS (APPROX) - WALL STAND				
96 [2440]	37 [940]	50 [1270]	1023 [464]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - EXTENDED WALL STAND				
96 [2440]	37 [940]	65 [1651]	1087 [493]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - DETECTOR ASSEMBLY				
41 [1042]	47 [1194]	29 [737]	194 [88]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - TABLE ASSEMBLY				
95 [2400]	44 [1100]	51 [1300]	1327 [602]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - STRETCHER NON-ELEVATING				
91 [2250]	41 [1042]	37 [940]	360 [164]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - STRETCHER ELEVATING				
99 [2312]	37 [920]	32 [810]	772 [350]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - EXAM ROOM LEAN CART				
84 [2134]	30 [762]	60 [1524]	VARIES	WHEELED CART
SHIPPING DIMENSIONS (APPROX) - CONTROL & OPTIONS LEAN CART				
51.5 [1308]	30 [762]	55 [1397]	VARIES	WHEELED CART

EQUIPMENT DETAIL EQUIPMENT SHIPPING DETAIL

B6564C
REV. DATE: 05/24/10

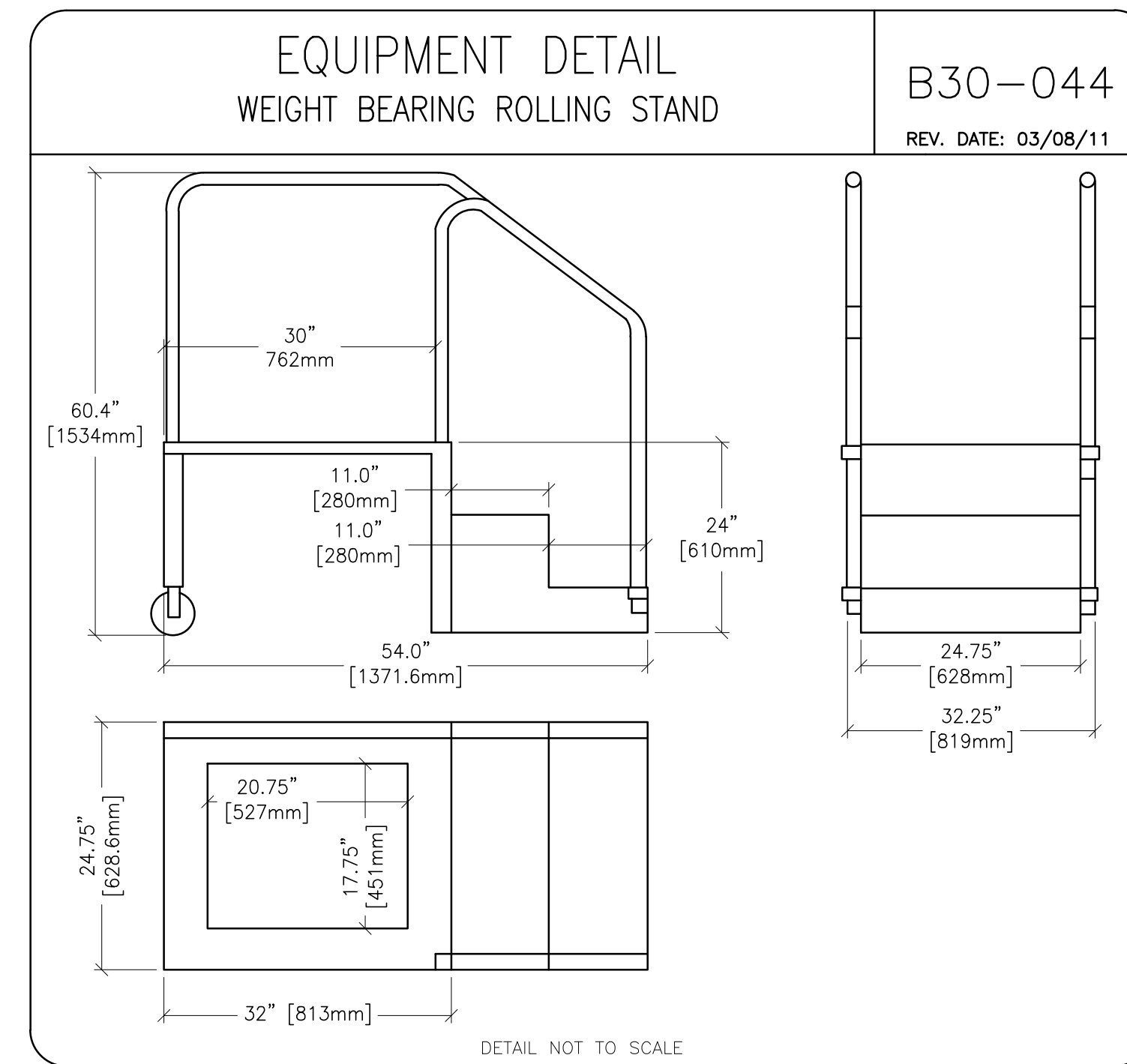
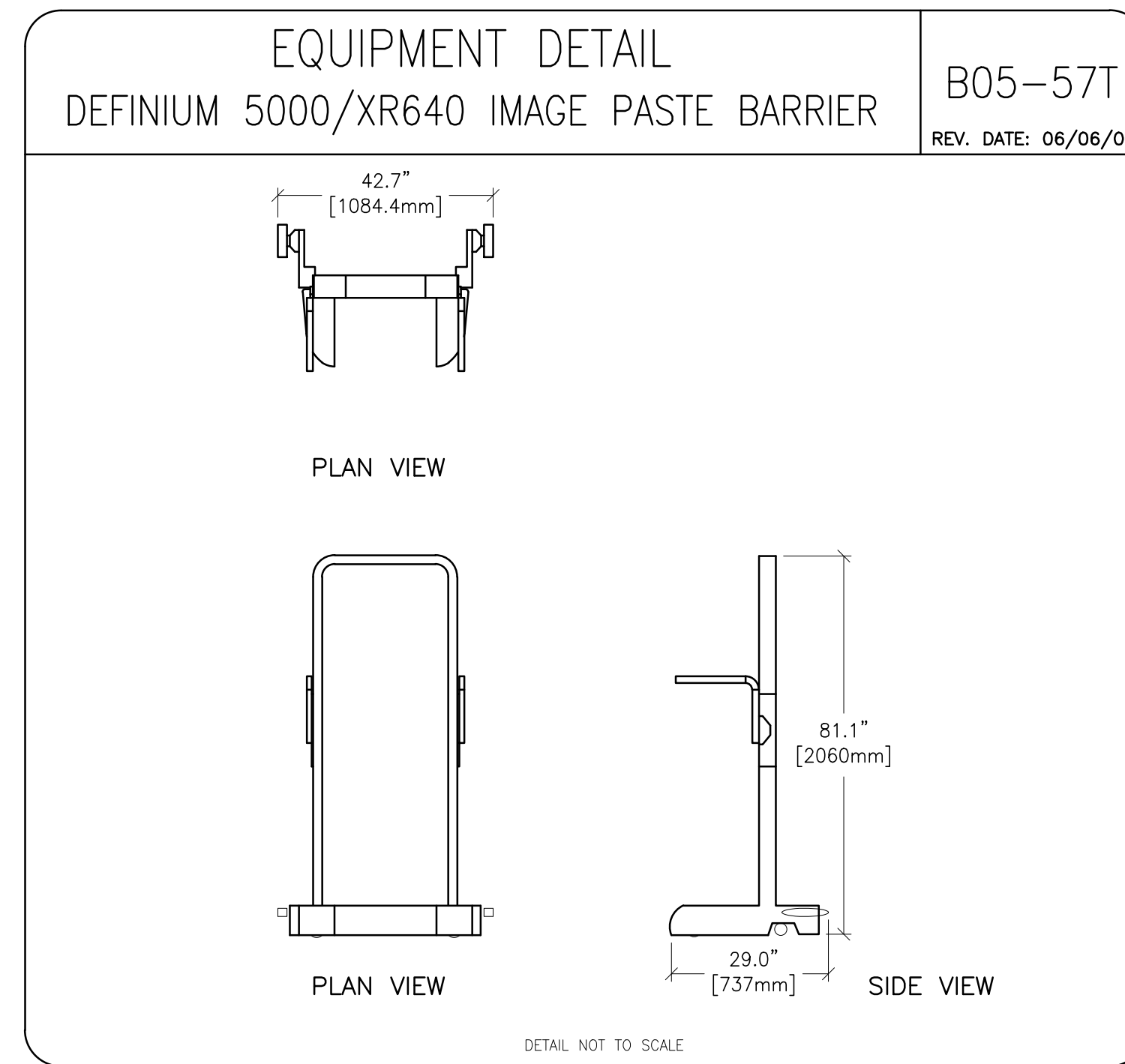
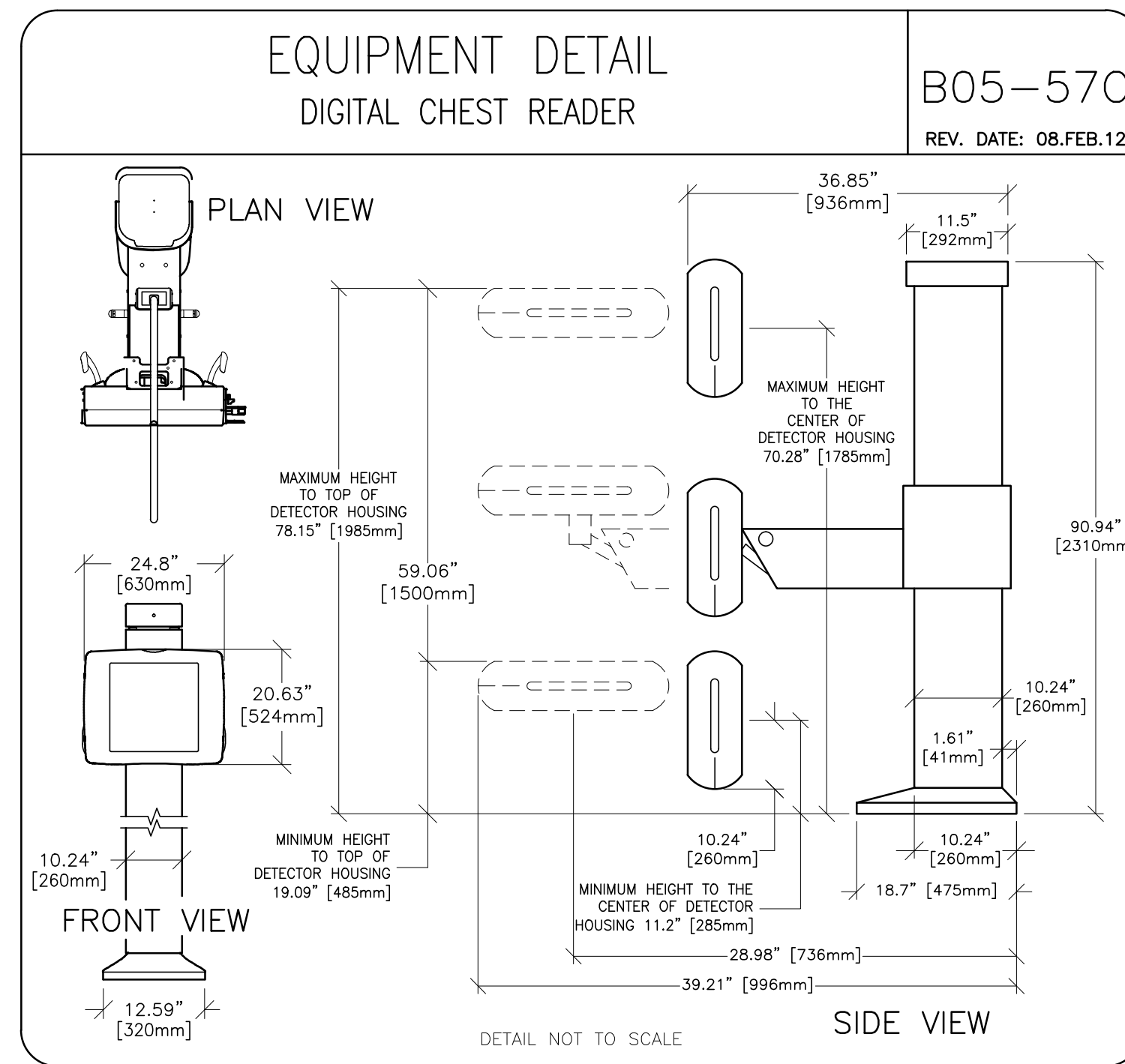
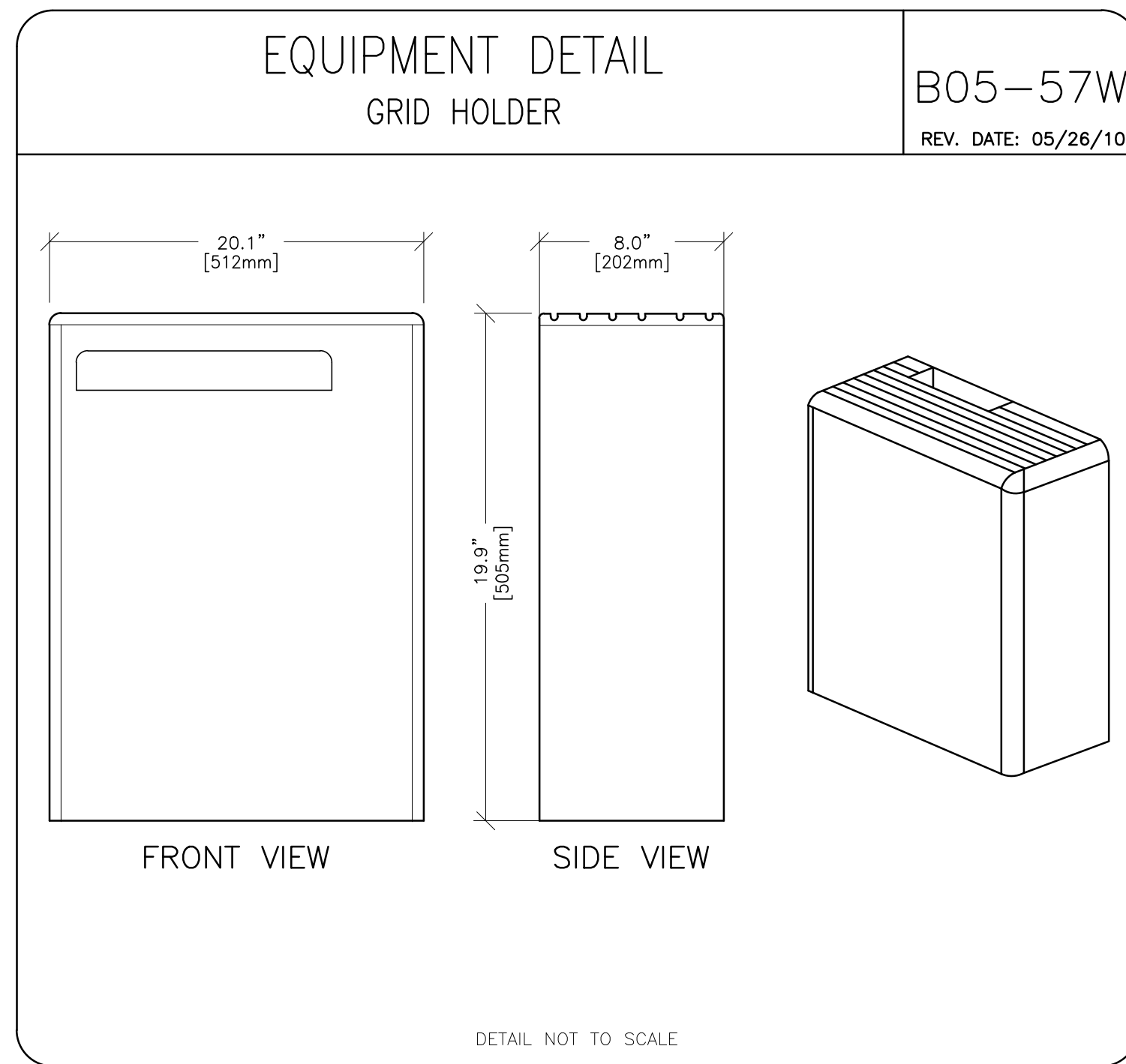
SHIPPING DIMENSIONS AND WEIGHTS - INTERNATIONAL SHIPMENTS				
LENGTH IN [MM]	WIDTH IN [MM]	HEIGHT IN [MM]	SHIPPING WEIGHT lbs [kg]	SHIPPING METHOD
SHIPPING DIMENSIONS (APPROX) - OVERHEAD TUBE SUPPORT INCLUDING X-RAY TUBE				
34 [864]	41 [1039]	53.5 [1355]	635 [288]	BOX/CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - STATIONARY RAIL				
241 [6120]	15 [380]	9 [230]	260 [118]	BOX
SHIPPING DIMENSIONS (APPROX) - 3 METER BRIDGE				
125 [3180]	33 [840]	20 [510]	364 [165]	BOX
SHIPPING DIMENSIONS (APPROX) - 3 METER CABLE ASSEMBLY				
57 [1450]	34 [860]	18 [460]	212 [96]	BOX/SKID
SHIPPING DIMENSIONS (APPROX) - SYSTEMS CABINET				
53 [1321]	34 [864]	52 [1321]	895 [406]	DOLLY
SHIPPING DIMENSIONS (APPROX) - SYSTEMS CABINET HARDWARE				
51 [1300]	34 [860]	24 [610]	332 [151]	BOX
SHIPPING DIMENSIONS (APPROX) - WALL STAND				
96 [2440]	37 [940]	50 [1270]	1023 [464]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - EXTENDED WALL STAND				
96 [2440]	37 [940]	65 [1651]	1087 [493]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - DETECTOR Asm				
41 [1042]	47 [1194]	29 [737]	204 [93]	CRATE/SKID
SHIPPING DIMENSIONS (APPROX) - TABLE ASSEMBLY				
95 [2400]	44 [1100]	51 [1300]	1327 [602]	BOX/SKID



EQUIPMENT DETAIL XR640 HEAT OUTPUTS BY COMPONENT

B8120
REV. DATE: 08/29/10

PRODUCT OR COMPONENT	HEAT OUTPUT			
	STANDBY		IN-USE	
	BTU/h	Kilowatt	BTU/h	Kilowatt
Wall Stand / Extended Wall Stand	85	0.025	297	0.087
Table	399	0.117	4224	1.238
OTS & Collimator	491	0.144	1351	0.396
System Cabinet	4869	1.427	2437	0.714
PC Tower	980	0.287	3413	1.000
LCD Monitor	3	0.001	157	0.046
Tube	341	0.100	2525	0.740
Detector	27	0.008	130	0.038
Total: WS, Table	7197	2.109	14674	4.301
Total: WS only	6798	1.992	10450	3.063
Total: Table only	7115	2.085	14394	4.219



GE Healthcare
Installation Services - Design Center
Madison, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: OPTIMA XR640

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
1-142f
TYPICAL LAYOUT

PROJECT	REVISION
1-142f	02

DATE: 20.Feb.12
DRAWN BY: REK
CHECKED BY: MKL

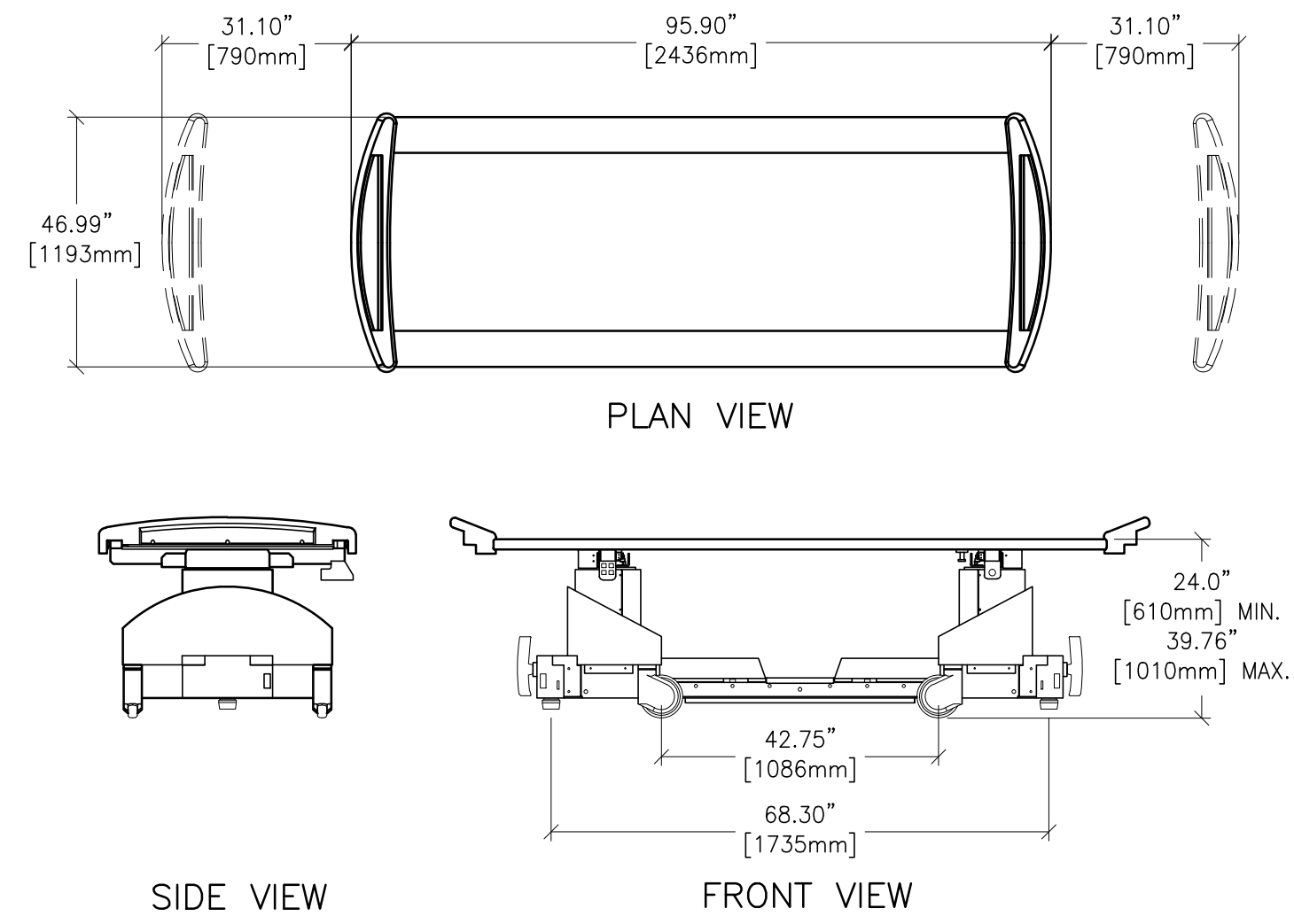
REVISION HISTORY:

SHEET
D1

PIM R6
RQ - 125169

EQUIPMENT DETAIL
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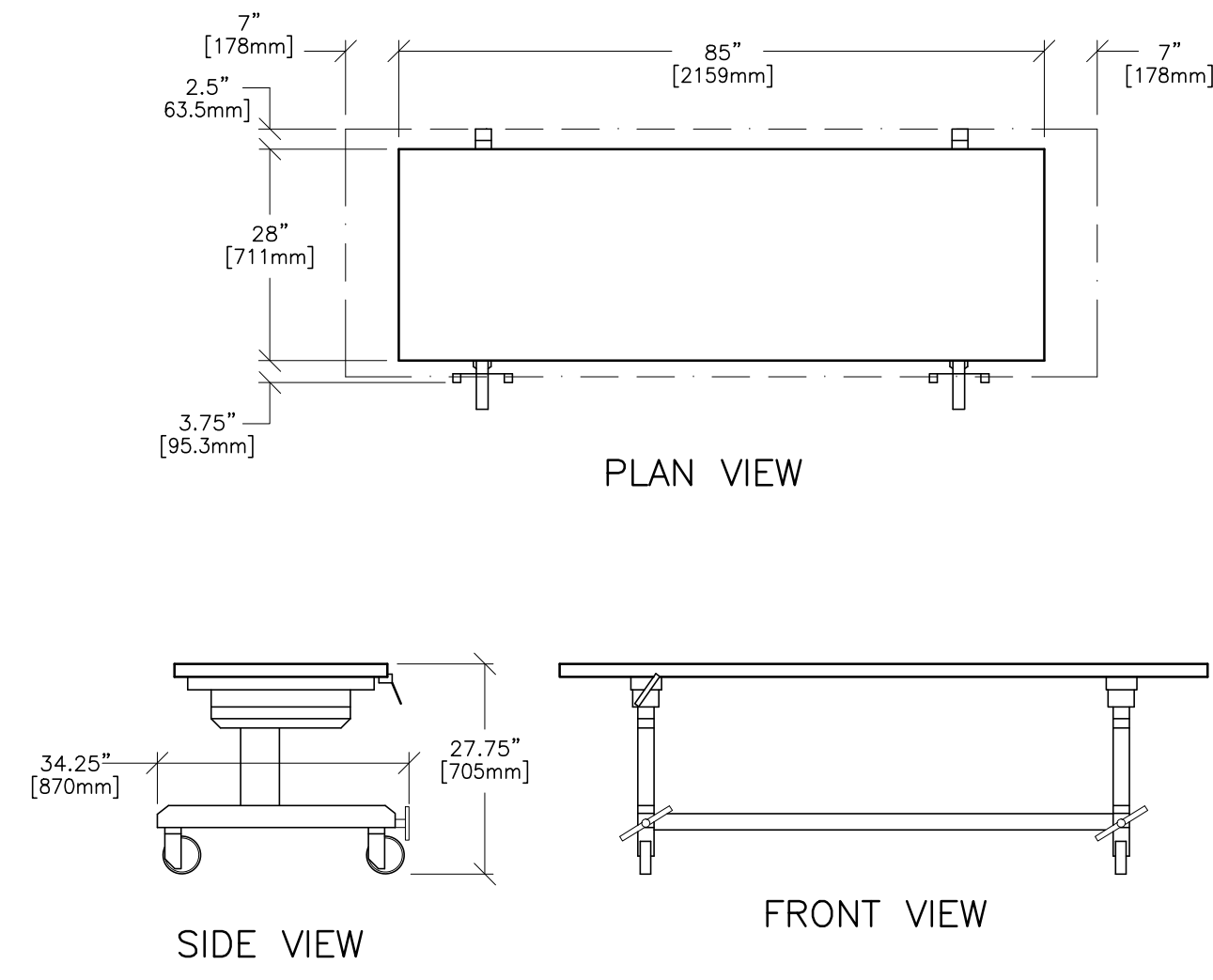
B0557L
REV. DATE: 03/08/07



EQUIPMENT DETAIL
MOBILE TABLE

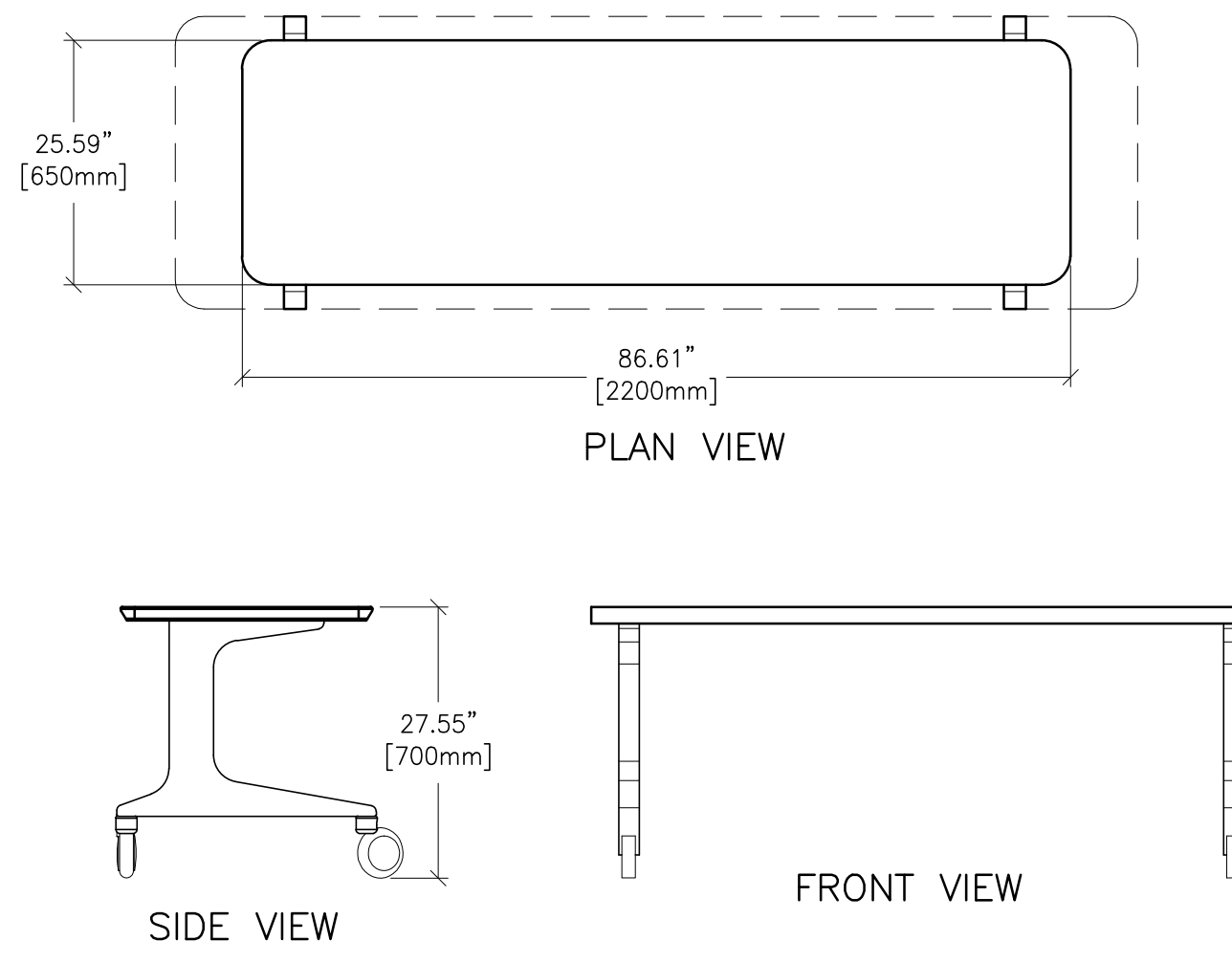
B05-57K
REV. DATE: 06/07/10

SHIPPING DIMENSIONS:
91"(2312mm)L x 41"(1042mm)W x 37"(940mm)H



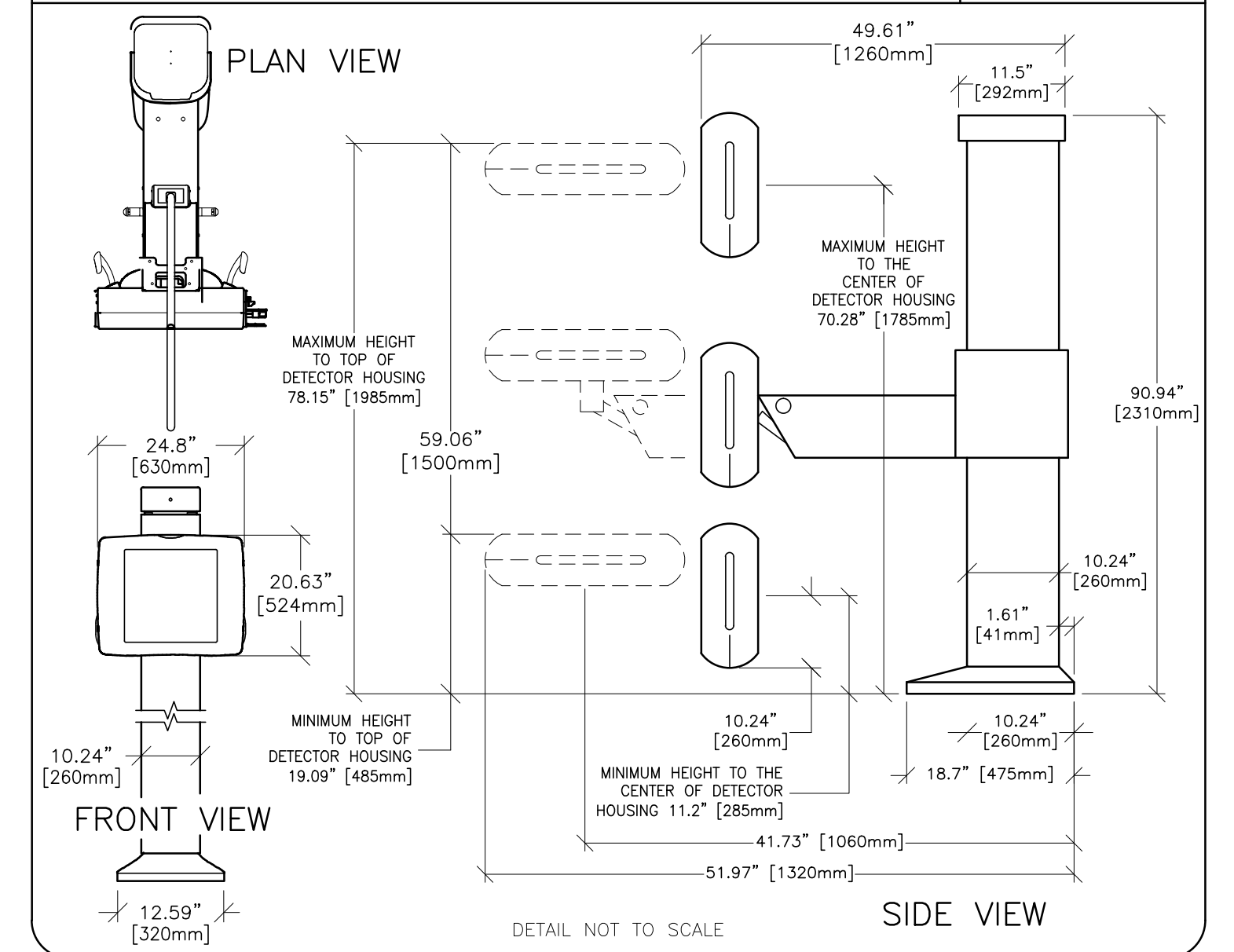
EQUIPMENT DETAIL
CARBON FIBER TABLE

B5000A
REV. DATE: 02/12/07



EQUIPMENT DETAIL
DIGITAL CHEST READER
WITH EXTENDED RECEPTOR

B05-57S
REV. DATE: 08.FEB.12



SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: OPTIMA XR640

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE MANUFACTURER'S DIMENSIONS AND TO THE USER'S REQUIREMENTS. THE USER'S ACTUAL CONSTRUCTION PRACTICES, DIMENSIONS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

1-142f
TYPICAL LAYOUT

PROJECT	REVISION
1-142f	02

DATE: 20.Feb.12
DRAWN BY: REK
CHECKED BY: MKL

REVISION HISTORY:

SHEET

D2

