

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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E3

EQUIPMENT DETAILS

D1 THRU D3

These drawings indicate the placement and interconnection of the listed equipment components. These drawings are not construction or site preparation drawings. Customer remains ultimately responsible for preparing the site to accommodate the operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

* REQUIRED REFERENCE *

Discovery NM/CT 670
Pre Installation Manual
5483063-1EN

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

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

www.gehealthcare.com/siteplanning

GE Healthcare



Nuclear Medicine
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

The items on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the IS site. Equipment will not be delivered if these requirements are not satisfied.

GE Healthcare Site Readiness Checklist Rev 19					
Before using this document ensure you have the latest Rev from MyWorkshop on DOC0422752					
GEHC Global Order # : _____			Customer: _____		
GEHC PMI: _____			FE / Installer: _____		
The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.					
	Inspection Date: _____				Comments
		Storage Is item ready?	PMI Is item ready?	FE Is item ready?	If "N", enter comments or action plan
GEHC Minimum Requirements					
1	MR Magnet Delivery Requirements: Ensure oxygen venting system is available for magnet connection as defined by GEHC Pre-Installation Manual (PIM) requirements, exhaust fan system is installed and operational, 480V power, and chilled water supply is available 24x7 that meets system cooling requirements. External connectivity is available for magnet monitoring and phone service is available during delivery. Surface mount vibromat installed where required. Magnet room final flooring is in place.				
2	MR RF Screen Room Requirements: RF Screen Room is tested with copy of Test Report, emailed to 64skin@GE.com, that it is compliant with GEHC specifications. Dock Bolt and magnet anchors (if applicable) installed using 2 part anchor. For HDx systems, blower box mount bolts installed by RF vendor using 2 part anchors				
3	State Regulatory Requirements: Facility registration number provided for states of IL, KY, HI, RI, SC, TX, X-ray shielding plan and state acknowledgment letter provided to installer for AR, DC, NC, SC, CO, 6-WA.				
4	Site Drawing Requirements: Final version of equipment network and antenna, installation drawings (including red lined versions) verified to match actual room and has been provided to installer.				
5	Surface Penetration Requirements: Customer/Contractor scheduled to provide required drilling or cutting into floors, ceilings, and walls, OR surface penetration permit available and posted in the room when GEHC will perform the work.				
6	Pre-Delivery Route Requirements: The equipment delivery route from the truck to the final destination within the facility has been reviewed with all key stakeholders to safely meet the minimum requirements for equipment access, and all communications/notifications have occurred. Arrangements have been made for special handling (elevator, rigging, floor protection, fork lift, rollback truck, etc).				
7	Finished Room Requirements: Rooms that will contain equipment, including storage areas not in scan suite, are dust free. Provisions taken to maintain a dust free room. Precautions must be taken to prevent dust from entering rooms containing equipment when construction is incomplete in adjacent areas. All walls primed (final coat not needed on Day 1). Shielding, doors, and windows are to be installed. No contractor work being done during or after the installation that will cause dust in the installation areas or potential equipment damage. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility. For Storage: Room must meet PIM requirements for storage.				
8	Electrical Requirements: Lockable (LOTO) Main Disconnect Panel (MDPI) is installed per GE guidelines and system power is available. Conduits, electrical cable ducting/dividers/cable trays, and access flooring is installed in proper location and height. Surface floor duct and load-side wires can be installed at time of system installation. Validate outlet location and requirements meet specifications for device/equipment.				
9	HVAC Requirements: The HVAC/Chilled Water systems designed to maintain the environment per spec/PIM is at running state and appears to provide the desired environmental conditions including location of vents, temperature and humidity for system operation.				
10	Flooring Requirements: Floor is clean and prepared for final floor covering. Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications. Confirm customer anchoring plan aligns with designed floor thickness. Final flooring installed where required for network racks.				
11	Ceiling Requirements: Unistrut (or equivalent) location, levelness and spacing is measured (or vendor confirmed) and consistent with the requirement of the installation drawings. Ensure unistrut and rails are not used as mounting surfaces. Ceiling grid is installed. Permanent lighting is installed and operational. HVAC diffusers are installed and connected to ductwork. Ceiling tiles installed per PMI discretion.				
12	Staging Requirements: Space has been identified to support the active installation process only. This area meets PIM/project book requirements.				
13	Storage space has been identified, if needed. This secured space would be used to store equipment indefinitely. If offsite, transportation plan has been developed at customer expense. This space must meet PIM requirements.				
14	Network Connectivity: Hardware for network connectivity/network drop is in place prior to delivery with specified network firewall configuration where required. Site Surveys for wireless mobile XR units have been completed.				
15	Medical Gases Requirements: Systems (hard piped or portable) in place to allow testing and calibration of equipment (anesthesia), including ventilation.				

GE Healthcare



Healthcare Project Implementation – Design Center
Milwaukee, Wisconsin
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SHEET TITLE: SITE READINESS
MODALITY TYPE: DISCOVERY NM/CT 670

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

PROJECT TITLE:
7-76f
TYPICAL FINAL

PROJECT	REVISION
7-76f	00
DATE: 08.Oct.15	
DRAWN BY: RET	
CHECKED BY: CPC	

REVISION HISTORY:

SHEET

C1

GE EQUIPMENT LISTING							EQUIPMENT CROSS REFERENCE CHART		
EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR GON WAS ISSUED AT THE DATE OF THESE DRAWINGS							P = PREAPPROVAL C = CALCULATIONS/ PENDING APPROVAL S = SPECIFICATIONS ONLY		
NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.							SEISMIC STATUS		
ITEM NO.	QUANTITY ORDERED		REFER TO SHEET "D"			DETAIL NO.	STRC PLAN	ELEC PLAN	
		ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)					
(1)	1	DISCOVERY NM/CT 670 GANTRY <CT>	3899 lbs	18771 btu		B81045 B81046 B7818E B7818F B7816F B7816G B7816H B7996M BQ578	B67 OA	CTT	-
(2)	1	DISCOVERY NM/CT 670 GANTRY <NUCLEAR>	4629 lbs	4498 btu			B67 OB	NMC	-
(3)	1	DISCOVERY NM/CT 670 TABLE	1521 lbs	682 btu		B81047	-	NMT	-
(4)	1	POWER INPUT DISTRIBUTION BOX	22 lbs			B81040	-	PIDB	-
(5)	1	POWER DISTRIBUTION UNIT	771 lbs	5119 btu		B7858D	-	CTPM	S
(6)	2	DISCOVERY NM/CT 670 COLLIMATOR CART	551 lbs			B81041	-		-
(7)	1	ESTOP PUSHBUTTON				B81061	-	ESTP	-
(8)	1	FREEDOM WORKSPACE-LARGE TABLE	147 lbs	8191 btu		B81140 B8105	O	OC	S
(9)	1	T. I. D. CABINET	194 lbs	255 btu		B8105	-		S
(10)	1	OPERATOR'S CHAIR					.		-
(11)	1	NUCLEAR AQUISITION COMPUTER	33 lbs	255 btu		B8101	-	AC	-
(12)	1	EMO PUSHBUTTON				B81058	-	EMO	-
		OPTIONS:							
(13)	1	6 KVA UPS	125 lbs	1959 btu		B640M	-	UPS1	-
(14)	1	TRANSFORMER FOR 6 KVA UPS	77 lbs	1000 btu		B640N	-	TRAN	-
(15)	1	UPS SYSTEM	350 lbs	3399 btu		B7999ZA	-	UPS	-
(16)	1	TABLE EXTENDER				B81059	-		-
(17)	1	XELERIS WORKSTATION	55 lbs	255 btu		M1014AW	.		S
(18)	1	R-WAVE TRIGGER	6 lbs			H2505EF	-	ECG	S
(19)	1	IVY MOBILE CART	13 lbs			B4305R	-		-
(20)	1	STORAGE CABINET <EMPTY CABINET WEIGHT>	99 lbs			M33005	-		-

[illegible]

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

EQUIPMENT LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-0"

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.

IMPORTANT CUSTOMER READINESS ALERT:

THIS EQUIPMENT INVOLVES THE USE OF RADIOACTIVE ISOTOPES, INCLUDING THOSE SOURCES NECESSARY FOR EQUIPMENT CALIBRATION, APPROPRIATE REGULATORY COMPLIANCE AND LICENSING MUST BE ARRANGED BY THE CUSTOMER EARLY IN THE PLANNING PROCESS AND THEN DEMONSTRATED/AVAILABLE FOR EQUIPMENT INSTALLATION.

ASSIGNED BY THE HOSPITAL NET ADMIN IF CONNECTING TO THE HOSPITAL LAN	HOSTNAME	IP	AE TITLE	DICOM PORT
ACQUISITION HOST				
PROCESSING HOST				
HARDCOPY HOST				
LAN NET MASK				
GATEWAY TO OTHER NETWORKS				
OTHER				
HUB OR SWITCH				

- PREPARE ADEQUATE NETWORK SOCKETS IN THE PROPER LOCATIONS TO SUPPORT ALL ACQUISITION, LOCAL AND REMOTE WORKSTATION.
- IT DEPARTMENT MUST ASSIGN DEDICATED IP ADDRESSES (NOT DHCP) NOTE THE ADDRESSES BELOW FOR THE ACQUISITION, LOCAL AND REMOTE WORKSTATIONS.
- PREPARE BROADBAND CONNECTIVITY LINE AND DEDICATED IP ADDRESSES FOR INSITE CONNECTIVITY.
- REFER TO TABLE ON A1 PAGE

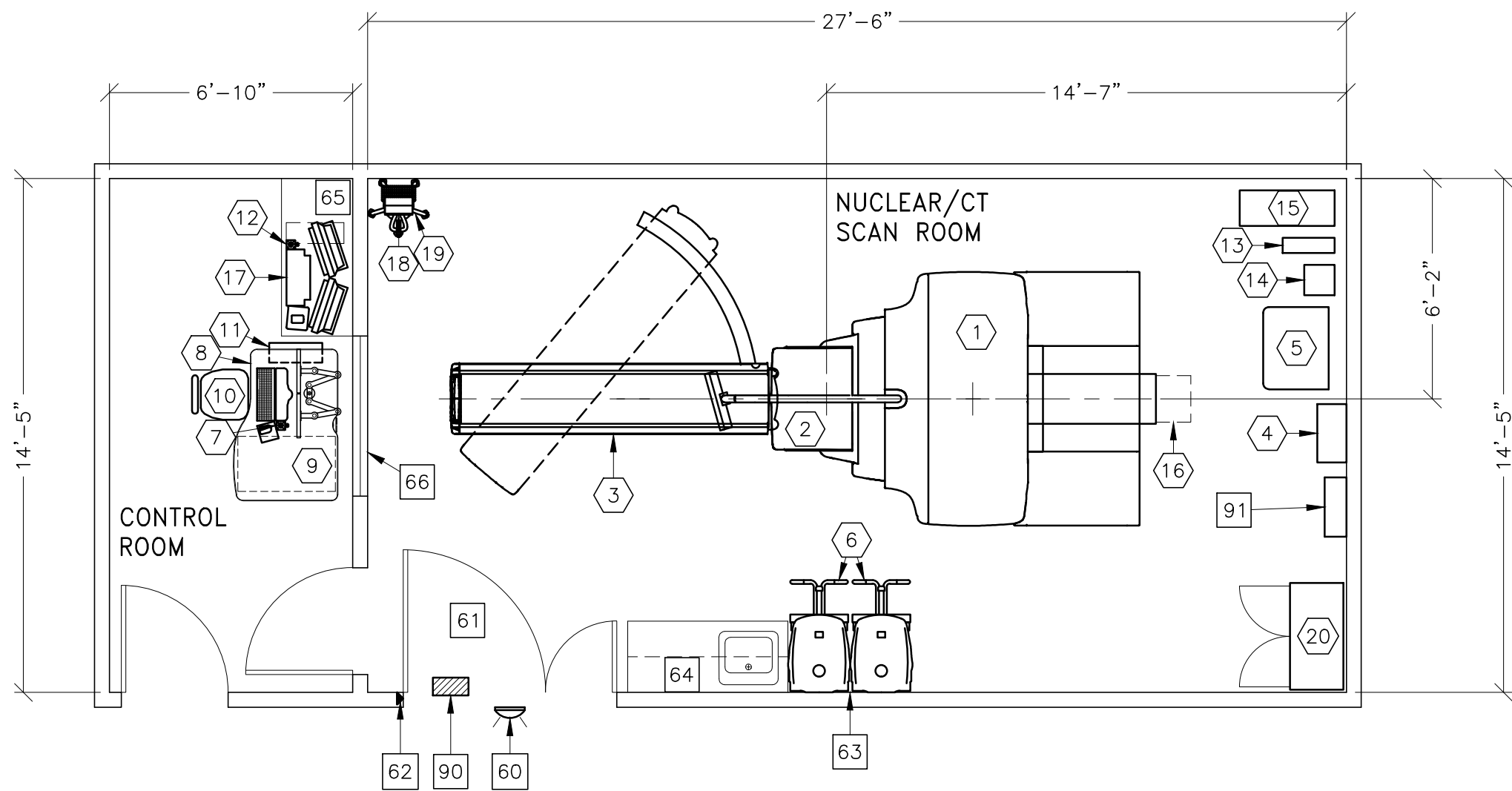
The diagram illustrates the equipment layout for a Nuclear/CT Scan Room and an adjacent Control Room. The room dimensions are 27'-6" wide by 14'-5" deep. The Control Room is 6'-10" wide and 14'-5" deep. The Scan Room is 14'-7" wide and 6'-2" deep. The layout includes the following components:

- Control Room:** Contains a control console (12), a workstation (17), and a workstation (18). It also includes a workstation (19) and a workstation (20).
- Scan Room:** Contains a large scanner gantry (1) and a workstation (2). It also includes a workstation (3), a workstation (4), a workstation (5), a workstation (6), a workstation (7), a workstation (8), a workstation (9), a workstation (10), a workstation (11), a workstation (13), a workstation (14), a workstation (15), a workstation (16), a workstation (17), a workstation (18), a workstation (19), and a workstation (20).
- Other Components:** Includes a workstation (61), a workstation (62), a workstation (63), a workstation (64), a workstation (65), a workstation (66), a workstation (67), a workstation (68), a workstation (69), a workstation (70), a workstation (71), a workstation (72), a workstation (73), a workstation (74), a workstation (75), a workstation (76), a workstation (77), a workstation (78), a workstation (79), a workstation (80), a workstation (81), a workstation (82), a workstation (83), a workstation (84), a workstation (85), a workstation (86), a workstation (87), a workstation (88), a workstation (89), a workstation (90), a workstation (91), a workstation (92), a workstation (93), a workstation (94), a workstation (95), a workstation (96), a workstation (97), a workstation (98), a workstation (99), and a workstation (100).

RECOMMENDED CEILING HEIGHT = 9'-0"

THIS EQUIPMENT INVOLVES THE USE OF RADIOACTIVE ISOTOPES, INCLUDING THOSE SOURCES NECESSARY FOR EQUIPMENT CALIBRATION. APPROPRIATE REGULATORY COMPLIANCE AND LICENSING MUST BE ARRANGED BY THE CUSTOMER EARLY IN THE PLANNING PROCESS AND THEN DEMONSTRATED/AVAILABLE FOR EQUIPMENT INSTALLATION.					
ASSIGNED BY THE HOSPITAL NET ADMIN IF CONNECTING TO THE HOSPITAL LAN	HOSTNAME	IP	AE TITLE	DICOM PORT	
ACQUISITION HOST					
PROCESSING HOST					
HARDCOPY HOST					
LAN NET MASK					
GATEWAY TO OTHER NETWORKS					
OTHER					
HUB OR SWITCH					

* PREPARE ADEQUATE NETWORK SOCKETS IN THE PROPER LOCATIONS TO SUPPORT ALL ACQUISITION, LOCAL AND REMOTE WORKSTATION.
 * IF DEPARTMENT MUST ASSIGN DEDICATED IP ADDRESSES (NOT DHCP) NOTE THE ADDRESSES BELOW FOR THE ACQUISITION, LOCAL AND REMOTE WORKSTATIONS.
 * PROVIDE A BROADBAND CONNECTIVITY LINE AND DEDICATED IP ADDRESSES FOR INSITE CONNECTIVITY.
 * REFER TO TABLE ON A1 PAGE.



<p style="text-align: center;"> ANCILLARY ITEMS CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS </p>	
ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
<input type="checkbox"/>	
60	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE. SUPPLY CALL: 800-200-9760 GE CAT. NO. WX1ABW-DF-X1U
61	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 54 IN. W x 83 IN. H [1372mm x 2108mm], CONTINGENT ON A 96 IN. [2438mm] CORRIDOR WIDTH NOTE: DISMOUNTED DETECTOR SHIPPING OPTION (GE CAT. NO. H6506TR). MINIMUM DOOR OPENING IS 39.4" W [1000mm]
62	DOOR LIMIT SWITCH (REQUIRED IN SOUTH CAROLINA, OTHERWISE NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)
63	OPTIONAL WALL PROTECTION FROM COLLIMATOR CART. ALSO, FINISHED FLOORING COULD BE SUBJECT TO DAMAGE DURING MOVEMENT AND BEING PARKED FOR A LONG PERIOD. SUFFICIENT FLOORING MUST BE USED TO PREVENT DAMAGE.
64	COUNTER TOP WITH SINK, BASE AND WALL CABINETS
65	COUNTER TOP FOR EQUIPMENT-MINIMUM DEPTH 24 in. OR ADDITIONAL SHELVING MAY BE REQUIRED. PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
66	LEAD GLASS WINDOW
<p>THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.</p>	
90	X-RAY ROOM WARNING LIGHT CONTROL PANEL, REFERENCE JUNCTION POINT 'WLC' ON SHEET 'E1' FOR DETAILED DESCRIPTION-#4502RL FOR WARNING LIGHT CONTROL ONLY.
91	MAIN DISCONNECT CONTROL, GEHC CAT. NO. #4502AB SO (SEE SEE DETAIL #4502AD. (IF A UPS IS NOT OR WILL NOT BE ORDERED, THE #4502AD CAN BE USED.)

- o THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEHC IS SPECIALIST REGARDING ACCEPTABILITY OF OTHER CEILING HEIGHTS.
- o 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.
- o 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.
- o THE DEVELOPMENT OF THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, MECHANICAL AND ELECTRICAL SUGGESTIONS IS PRECEDENTED BY THE BEST INFORMATION OBTAINABLE FROM THE SITE, COUPLED WITH THE CUSTOMER'S KNOWN DESIRES. ARCHITECTURAL OR ELECTRICAL CHANGES INCLUDING RELOCATION OF EQUIPMENT ILLUSTRATED ON THIS DRAWING IS ALLOWED ONLY WITH NOTIFICATION, IN WRITING, AND REVIEW BY GEHC SERVICE DEPARTMENT. EQUIPMENT OPERATION, SERVICEABILITY, AND RESTRICTING CABLE LENGTHS, ETC., MAKE THIS ESSENTIAL FOR A PROPER IS. GEHC RESERVES THE RIGHT TO MAKE ON THE JOB CHANGES BECAUSE OF CUSTOMER REQUIREMENTS AND/OR OBSTACLES IN CONSTRUCTION, ETC..
- o ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.
- o DIMENSIONS ARE TO FINISHED SURFACES OF ROOM

- o AMBIENT OPERATING TEMPERATURE: 64° TO 79° F. (18° TO 26° C) MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 5° F (3° C)/HOUR, MAXIMUM ROOM TEMPERATURE GRADIENT 5° F. (3° C).
- o HUMIDITY: 30 TO 60 PERCENT NON-CONDENSING, MAXIMUM ALLOWABLE CHANGE OF 5 PERCENT/HOUR.
- o ALTITUDE: NOT TO EXCEED 7875 FT. (2400M) ABOVE SEA LEVEL.
- o THE ENVIRONMENT FOR THE ELECTRONICS CABINET MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.
- o DO NOT RESTRICT THE AIR INTAKE OR AIR EXHAUST OF THE SYSTEM COMPONENTS.
- o ENVIRONMENTAL CONDITIONS LISTED ABOVE MUST BE MAINTAINED AT ALL TIMES INCLUDING FOR EXAMPLE OVERNIGHT, WEEKENDS, AND HOLIDAYS.

- o GANTRY MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN ONE GAUSS TO GUARANTEE SPECIFIED IMAGING PERFORMANCE. AMBIENT AC MAGNETIC FIELDS MUST BE BELOW 0.01 GAUSS PEAK.
- o COMPUTER EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN TEN GAUSS TO GUARANTEE DATA INTEGRITY.
- o MULTIFORMAT CAMERA EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN THREE GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.
- o CONSOLE EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN TEN GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.

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



Healthcare Project Implementation – Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT

MODALITY TYPE: DISCOVERY NM/CT 670

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 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.

PROJECT TITLE:

7-76f
TYPICAL FINAL

PROJECT	REVISION
7-76f	00

DATE: 08.Oct.15
DRAWN BY: RET
CHECKED BY: CPC

REVISION HISTORY:

SHEET

A1

TYPICAL WALL SUPPORT ELEVATIONS

S125

SUPPORT FOR NUCLEAR POWER INPUT DISTRIBUTION BOX (IF LOCATED UNDER ELECTRICAL PANEL)
(NOT TO SCALE)

S131

SUPPORT FOR NUCLEAR POWER INPUT DISTRIBUTION BOX (IF LOCATED NEXT TO ELECTRICAL PANEL)
(NOT TO SCALE)

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

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-0"

STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	SUPPORT BACKING. LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S125 FOR POWER INPUT DISTRIBUTION BOX (LOCATED UNDER ELECTRICAL PANEL) OR REFER TO ELEVATION DETAIL S131 FOR POWER INPUT DISTRIBUTION BOX (LOCATED NEXT TO ELECTRICAL PANEL)
2	FLOOR LEVELNESS IN THE EXAM ROOM MUST BE LEVEL WITHIN 1/8 IN. [3 MM] OVER 120 IN. [3048MM]. FLOOR FLATNESS IN THE EXAM ROOM MUST HAVE NO DEVIATIONS GREATER THAN 3/16" [0.5 CM] OVER 60 IN. [150 CM]. REFER TO FULL SIZE FLOOR TEMPLATE FOR ALL DRILLING/FLOOR PENETRATION REQUIREMENTS IN ORDER TO ENABLE MOUNTING OF THE SYSTEM FLOOR ANCHORS. CONCRETE FLOORS MUST HAVE A MINIMUM CURE STRENGTH OF FC = 4380 PSI [30MPa] AT 28 DAYS (CURING TIME) FOR 25/50 CONCRETE, AND MUST BE AT LEAST 166mm [6.5"] THICK. IT IS THE CUSTOMERS RESPONSIBILITY TO HAVE APPROPRIATE TESTS PERFORMED TO DETERMINE AND CONCRETE STRENGTH. IF THE DISCOVERY NM/CT 670 SYSTEM IS INSTALLED ON A FLOOR TYPE THINNER THAN A 166mm [6.5"] CONCRETE FLOOR, THE CUSTOMER SHALL, AT IS OWN EXPENSE, PROVIDE ACCEPTABLE ANCHORING AND MOUNTING METHODS THAT MEET ALL STRUCTURAL SPECIFICATION PROVIDED IN THE PRE-INSTALLATION MANUAL.

STRUCTURAL NOTES

- 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.
- FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO SPECIFICATIONS. (IF NOT SPECIFIED ELSEWHERE ON THIS SHEET THE FLOOR LEVELNESS SHOULD BE 1/8 IN. [3 MM] IN 10 FT. [3.05 M].)
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.
- FOR SEISMIC REGIONS ENSURE SUPPORTS SPAN THREE MEMBERS.
- 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

Healthcare Project Implementation – Design Center

Minneapolis, Wisconsin

SHEET TITLE: STRUCTURAL LAYOUT

MODALITY TYPE: DISCOVERY NM/CT 670

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7-76f

TYPICAL FINAL

PROJECT TITLE:

PROJECT

7-76f

REVISION

00

DRAWN BY:

RET

CHECKED BY:

CPC

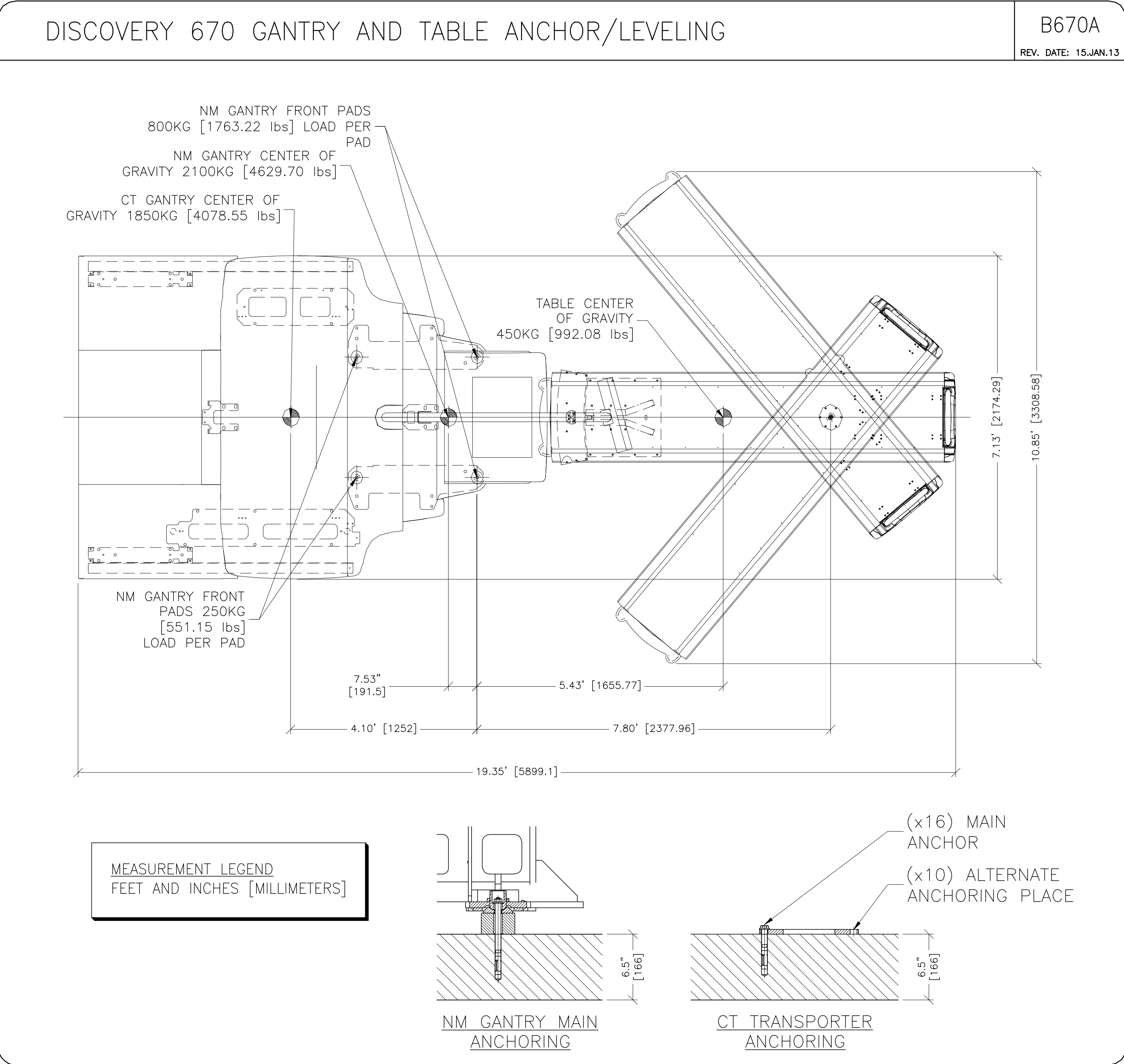
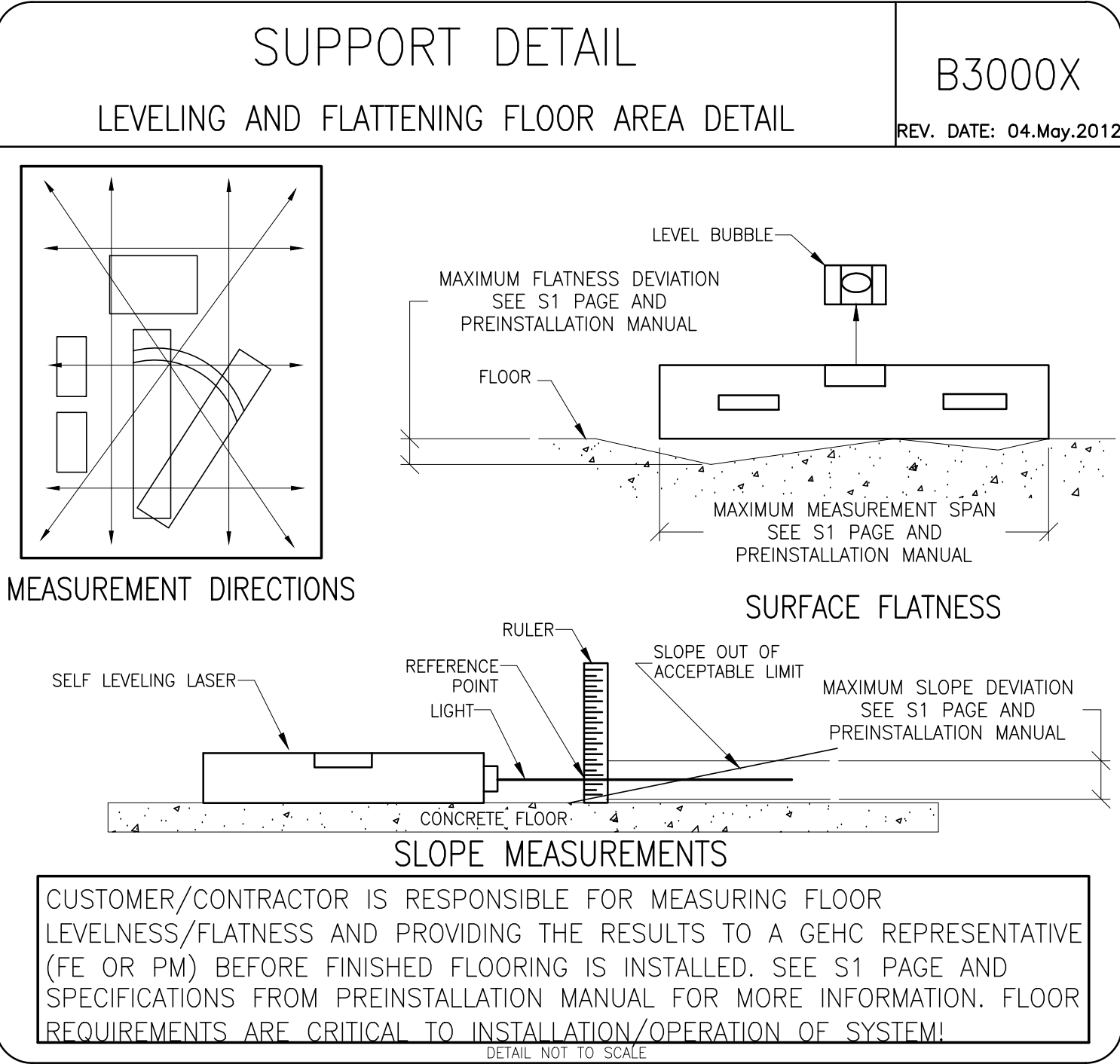
REVISION HISTORY:

SHEET

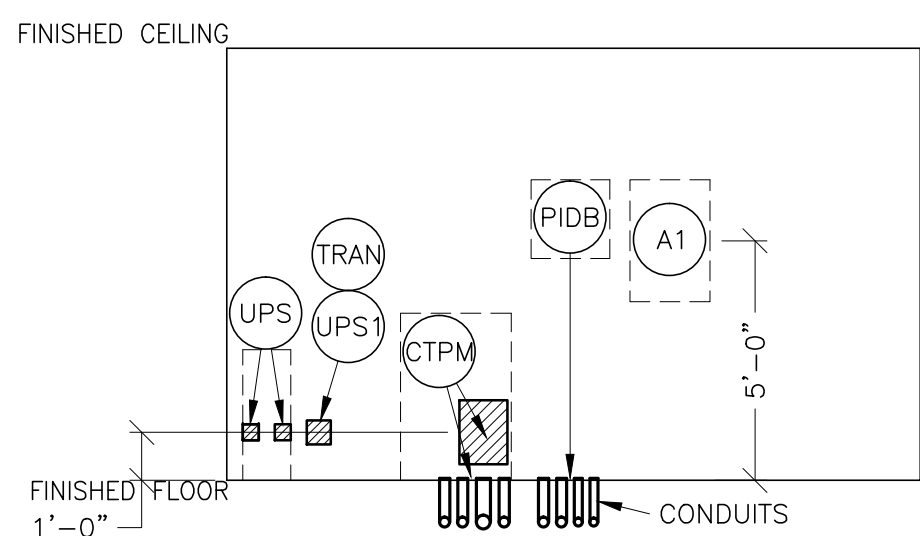
S1

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

WPS-103

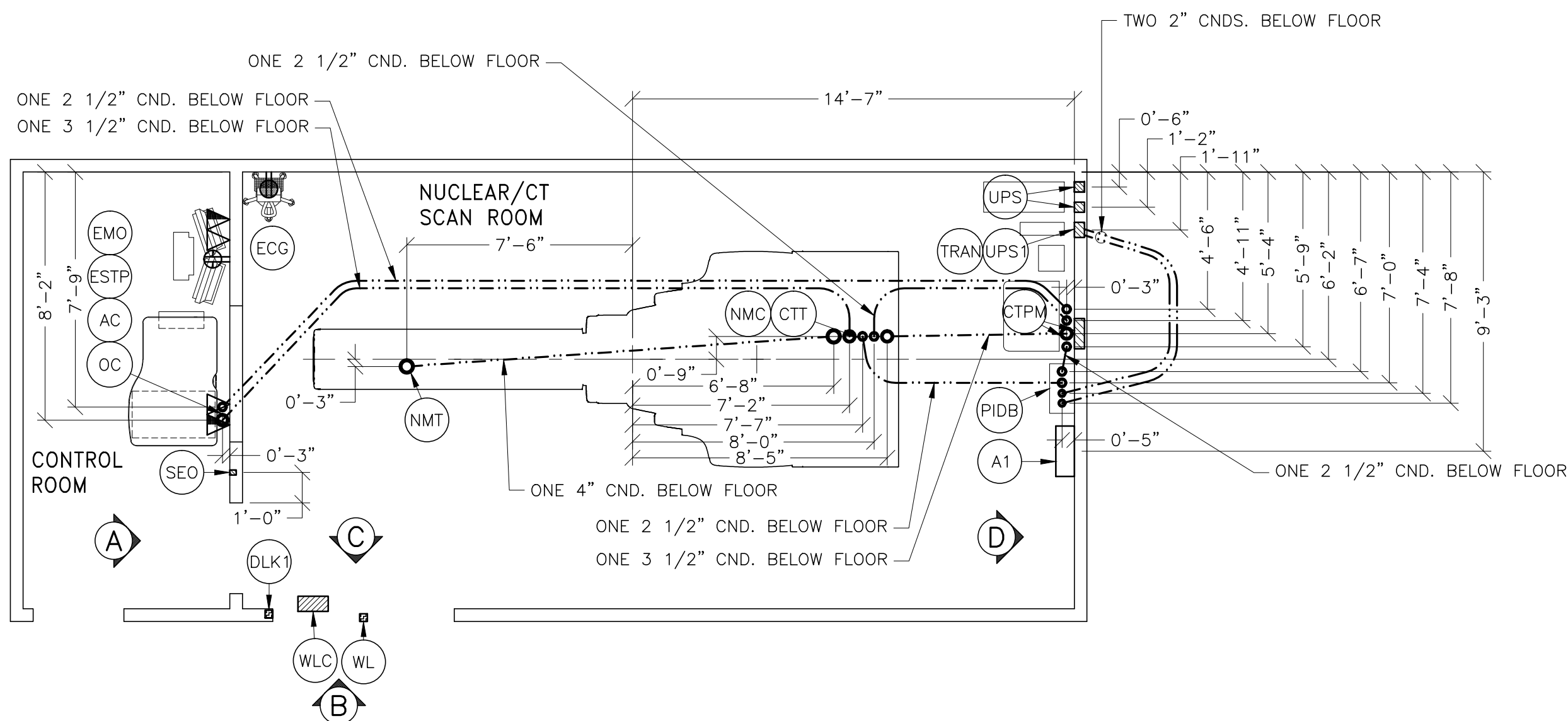


RECOMMENDED CEILING HEIGHT = 9'-0"



- o ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, CABLE TRAY, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMERS 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 CUSTOMERS 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 PIGTAILS AT ALL JUNCTION POINTS.
- o ALL WIRING MUST BE THIN 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.

PLEASE SEE BELOW FOR ADDITIONAL REQUIRED
CONDUIT RUNS AND SIZES.



**ADDITIONAL CONDUIT RUNS
DISCOVERY NM/CT 670
(BY CONTRACTOR)**

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

↓

REV DATE: 05/MAR/14

WL	TO	WLC	ONE 1/2" CND.
WLC	TO	CTPM	ONE 1/2" CND.
PIDB	TO	A1	ONE CND. AS REQ'D
A1	TO	SEQ	ONE 1/2" CND.
A1	TO	FEEDER	ONE CND. AS REQ'D
WLK	TO	120-V 1 ϕ CPM	CND. AS REQ'D
DLC1	TO	CTPM	ONE 1/2" CND.





NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS


**CONDUITS REQUIRED FOR UPS
(CONDUITS ARE LOCATED ABOVE CEILING)**

↓

REV DATE: 04/FEB/14

UPS	TO	A1	ONE 3/4" CND.
UPS	TO	CTPM	ONE 2" CND. (OPTIONAL) RUN DIRECT AS POSSIBLE. 12" MAX. RUN LENGTH

- ## 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 OUTLET SAME FEEDER
CIRCUIT AS "A" PANEL |
|  | DUPLEX HOSPITAL GRADE, DEDICATED OUTLET
120-V, SINGLE PHASE OUTLET 20 AMP |
|  | DEDICATED TELEPHONE LINE(S) (SEE ELECTRICAL
DETAIL ELEC-1) |
|  | NETWORK OUTLET (SEE ELECTRICAL DETAILS
ELEC-83 AND ELEC-84) |

JUNCTION POINT DESCRIPTIONS			
 POINT		THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR	
DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SHT. E3
AL MAIN DISCONNECT AVAILABLE FROM GEHC. CALL 800-279-7925 OR LOCAL GE INSTALLATION PROJECT MANAGER	1	90 AMP FUSED DISCONNECT AND MAGNETIC CONTACTOR, GEHC CAT. NO. E4502AB, 'SED' PUSHBUTTON AND COVER INCLUDED	ELEC-35
AC ACQUISITION COMPUTER	1	EXTERNAL CONNECTION	ELEC-9
CTPM POWER DISTRIBUTION UNIT	1	SPLIT COVERPLATE	ELEC-22
	1	3 1/2 IN. DIA. BUSHING & LOCKNUT	
	2	1/2 IN. DIA. BUSHING & LOCKNUT	
	2	IN. 90 DEGREE CONNECTOR	
	1	6 FT. LENGTH OF 2 1/2 IN. FLEXIBLE METAL CONDUIT	
	2	SUITABLE CONNECTORS	
	1	12 X 16 X 4 IN. BOX	
	2	6 FT. LENGTH OF 1/2 IN. FLEXIBLE METAL CONDUIT	
CTT CT SCANNER	1	SUITABLE DIA. BUSHINGS & LOCKNUTS	ELEC-9
DLK1 DOOR SWITCH (NEEDED ONLY IF REQUIRE BY STATE/LOCAL CODES)	1	ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (24V)	
	1	SINGLE GANG BOX	
ECG ECG TRIGGER	1	EXTERNALLY CONNECTED	
EMD EMD PUSHBUTTON	1	SAME ROUTING AS 'AC'	
ESTP ESTOP PUSHBUTTON	1	SAME ROUTING AS 'AC'	
NMC NUCLEAR CAMERA	1	SUITABLE DIA. BUSHINGS & LOCKNUTS	ELEC-9
NMT PATIENT TABLE	1	OPENING IN CONDUIT MUST BE CUT FLUSH WITH FINISHED FLOOR	
OC OPERATORS CONSOLE	1	3 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
	2	1/2 IN. DIA. BUSHING & LOCKNUT	
PIDB POWER INPUT DISTRIBUTION BOX	1	SUITABLE DIA. FLEXIBLE CONDUIT	ELEC-29
SED EMERGENCY OFF	1	SUITABLE CONNECTORS	
TRAN UPS TRANSFORMER	1	SINGLE GANG 2 1/2 IN. DEEP FLUSH MOUNTED JUNCTION BOX	ELEC-16
UPS UPS CABINET	1	SAME ROUTING AS 'UPS1'	
	1	COVERPLATE	ELEC-8
	1	4 IN. DIA. CHASE NIPPLE	
	1	4 X 4 X 4 IN. BOX	
	2	IN. DIA. BUSHING & LOCKNUT	
	1	IN. DIA. CHASE NIPPLE	
	1	IN. DIA. BUSHING & LOCKNUT	
	1	IF OPTIONAL 2 IN. CND IS USED, ADD THE FOLLOWING:	
	1	4 X 4 X 4 IN. BOX	
	1	COVERPLATE	
UPS1 UPS CABINET	1	3 IN. DIA. CHASE NIPPLE	ELEC-8
	1	6 X 6 X 4 IN. BOX	
	1	COVERPLATE	
WL WARNING LIGHT	1	'X-RAY ON' INCANDESCENT LIGHT FIXTURE, DO NOT USE FLUORESCENT FIXTURES. GE CAT. NO. WX1ABWW-DF-XIU	
WLC WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC. CALL 800-279-7925 OR LOCAL GE INSTALLATION PROJECT MANAGER	1	E4502RL WARNING LIGHT CONTROL OR EQUIVALENT, MAX 24V CONTROLLER	ELEC-72

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
W1 > SED	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
ALC > 1 PHASE	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
480-V > A1	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
W1 > WLC	2-ND. 14 BLACK, 1-ND. 14 RED, 1-ND. 14 WHITE
A1 > PIDB	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
CTPM > WLC	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
CTPM > DLK1	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: DISCOVERY NM/CT 670

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 TO DETAILS OF ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ANY CONSTRUCTION PURPOSES, HOWEVER, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

7-76f
TYPICAL FINAL

PROJECT TITLE:

PROJECT	REVISION
7-76f	00

DATE:	08.Oct.15
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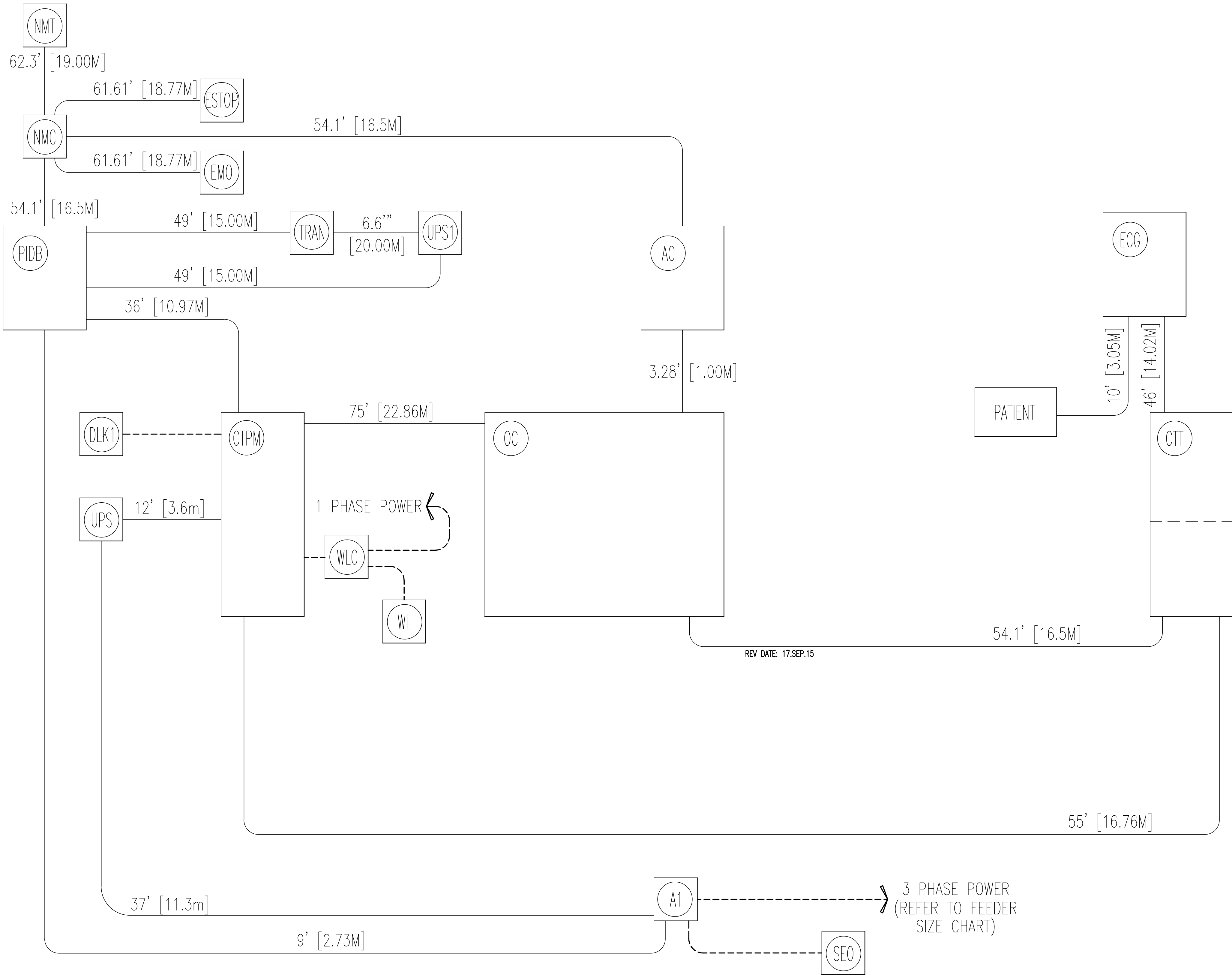
REVISION HISTORY:

SHEET

E1

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

INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

DISCOVERY NM/CT 670

(REV. DATE 03/24/10)

VOLTAGE PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS. RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, 50 OR 60 HZ. REQUIRED POWER SUPPLY: WYE CONNECTED. MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

TABLE A ALLOWABLE INPUT VOLTAGES/ CURRENT DEMAND

NOMINAL VOLTAGE	ABSOLUTE RANGE	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION
		MOMENTARY	CONTINUOUS	
380	342-418	137	30	110-A
400	360-440	130	29	110-A
420	378-462	124	27	100-A
440	396-484	118	26	100-A
460	414-506	113	25	90-A
480	432-528	108	24	90-A

(ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE)

PHASE-TO-PHASE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE SHOULD BE LIMITED TO 1500V PEAK.

VOLTAGE TRANSIENT OR IMPULSE ON THE INCOMING POWER MUST BE HELD TO A MINIMUM. TRANSIENTS CAUSED BY LIGHTNING, SURGES, LOAD SWITCHING, STATIC ELECTRICITY ETC. CAN CAUSE SCAN ABORTS OR, IN EXTREME INSTANCES, COMPONENT FAILURE IN THE COMPUTER SUBSYSTEM.

POWER DEMAND CONTINUOUS POWER DEMAND = 20 KVA (MAX DEMAND = 90 KVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	CT HiSpeed
kVa *	90
POWER FACTOR AT	0.85

* DEMAND INCLUDES POWER FOR ENTIRE, CT 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 112.5 KVA WITH 2.4% RATED REGULATION AT UNITY POWER FACTOR. RESULTANT MAXIMUM ALLOWABLE FEEDER REGULATION IS 3.4%

NOTE: THE CT SYSTEM MUST NOT BE POWERED IN A MULTIPLE INSTALLATION WHERE FILM CHANGERS ARE USED. FILM CHANGERS UTILIZE A LARGE NUMBER OF HIGH POWERED, CLOSELY SPACED EXPOSURES WHICH MAY COINCIDE WITH THE CT SCAN.

ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE COPPER STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, CUT 10 FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS. ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN A CONDUIT OR DUCT SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER STRANDED AND FREE FROM SPLICES. **ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.**
- NOTE 2: WIRE SIZES GIVEN ARE FOR USE OF EQUIPMENT. LARGER SIZES MAY BE REQUIRED BY LOCAL CODES.
- NOTE 3: IT IS RECOMMENDED THAT ALL WIRES BE COLOR CODED, AS REQUIRED IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 4: CONDUIT SIZES SHALL BE VERIFIED BY THE ARCHITECT, ELECTRICAL ENGINEER OR CONTRACTOR, IN ACCORDANCE WITH LOCAL OR NATIONAL CODES.
- NOTE 5: CONVENIENCE OUTLETS ARE NOT ILLUSTRATED. THEIR NUMBER AND LOCATION ARE TO BE SPECIFIED BY OTHERS. LOCATE AT LEAST ONE CONVENIENCE OUTLET CLOSE TO THE SYSTEM CONTROL, THE POWER DISTRIBUTION UNIT AND ONE ON EACH WALL OF THE PROCEDURE ROOM. USE HOSPITAL APPROVED OUTLET OR EQUIVALENT.
- NOTE 6: GENERAL ROOM ILLUMINATION IS NOT ILLUSTRATED. CAUTION SHOULD BE TAKEN TO AVOID EXCESSIVE HEAT FROM OVERHEAD SPOTLIGHTS. DAMAGE CAN OCCUR TO CEILING MOUNTING COMPONENTS AND WIRING IF HIGH WATTAGE BULBS ARE USED. RECOMMEND LOW WATTAGE BULBS NO HIGHER THAN 75 WATTS AND USE DIMMER CONTROLS (EXCEPT MR). DO NOT MOUNT LIGHTS DIRECTLY ABOVE AREAS WHERE CEILING MOUNTED ACCESSORIES WILL BE PARKED.
- NOTE 7: **ROUTING OF CABLE, DUCTWORK, CONDUITS, ETC., MUST RUN DIRECT AS POSSIBLE OTHERWISE MAY RESULT IN THE NEED FOR GREATER THAN STANDARD CABLE LENGTHS (REFER TO THE INTERCONNECTION DIAGRAM FOR MAXIMUM USABLE LENGTHS POINT TO POINT).**
- NOTE 8: CONDUIT TURNS TO HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 9: A SPECIAL GROUNDING SYSTEM IS REQUIRED IN ALL PROCEDURE ROOMS BY SOME NATIONAL AND LOCAL CODES. IT IS RECOMMENDED IN AREAS WHERE PATIENTS MIGHT BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CONDITIONS. CONSULT THE GOVERNING ELECTRICAL CODE AND CONFER WITH APPROPRIATE CUSTOMER ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS TYPE OF GROUNDING SYSTEM.
- NOTE 10: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT BE EXCEEDED.
- NOTE 11: PHYSICAL CONNECTION OF PRIMARY POWER TO GE EQUIPMENT IS TO BE MADE BY CUSTOMERS ELECTRICAL CONTRACTOR WITH THE SUPERVISION OF A GE REPRESENTATIVE. THE GE REPRESENTATIVE WOULD BE REQUIRED TO IDENTIFY THE PHYSICAL CONNECTION LOCATION, AND INSURE PROPER HANDLING OF GE EQUIPMENT.
- NOTE 12: GEHC CONDUCTS POWER AUDITS TO VERIFY QUALITY OF POWER BEING DELIVERED TO THE SYSTEM. THE CUSTOMER'S ELECTRICAL CONTRACTOR IS REQUIRED TO BE AVAILABLE TO SUPPORT THIS ACTIVITY.

DIAGRAM KEY

- CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
- _____ GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.
- 59' [18M] MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS. Feet [Meters]

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



GE Healthcare

Healthcare Project Implementation - Design Center

Minneapolis, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS

MODALITY TYPE: DISCOVERY NM/CT 670

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

PROJECT TITLE:

7-76f
TYPICAL FINAL

PROJECT	REVISION
7-76f	00

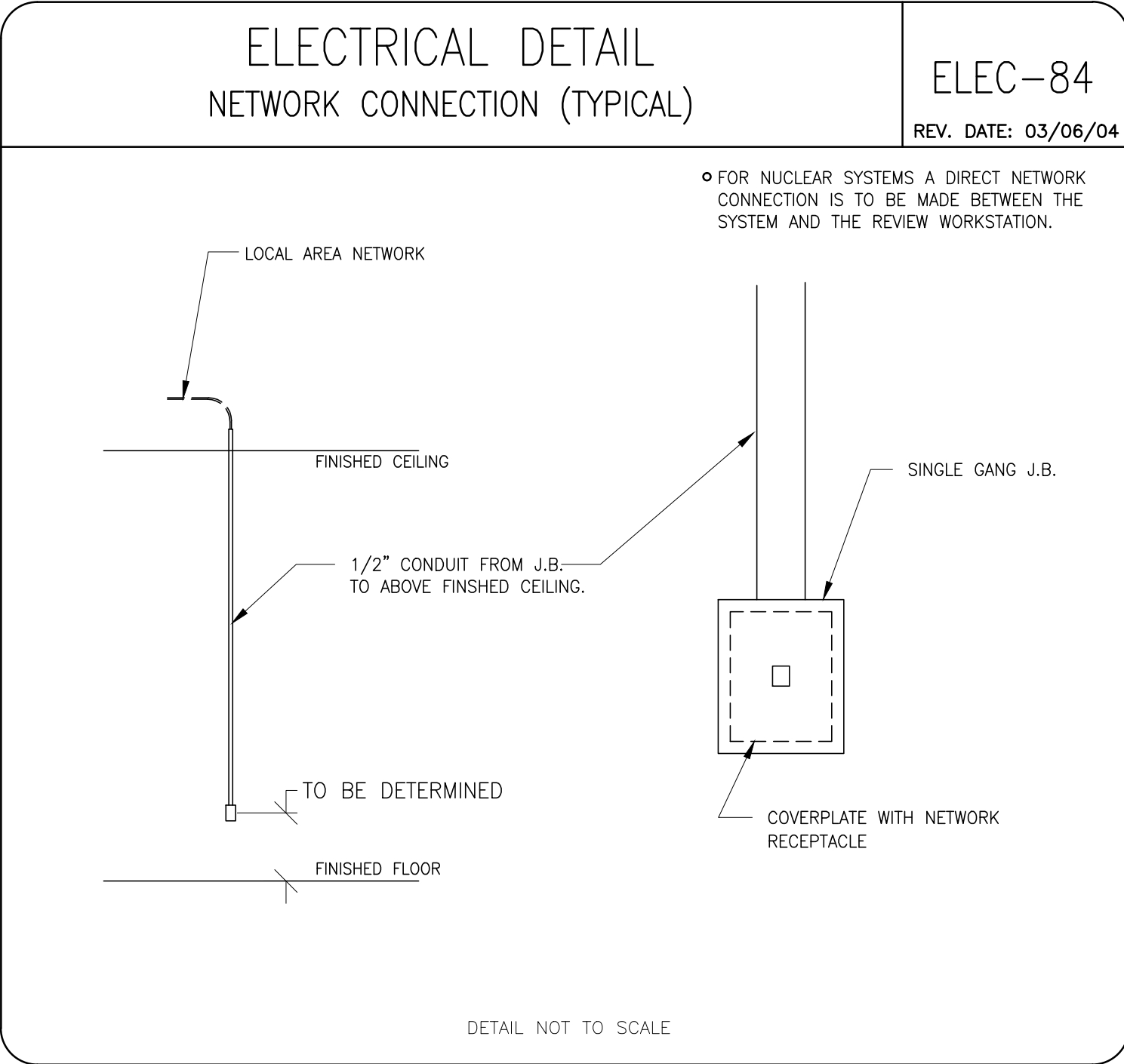
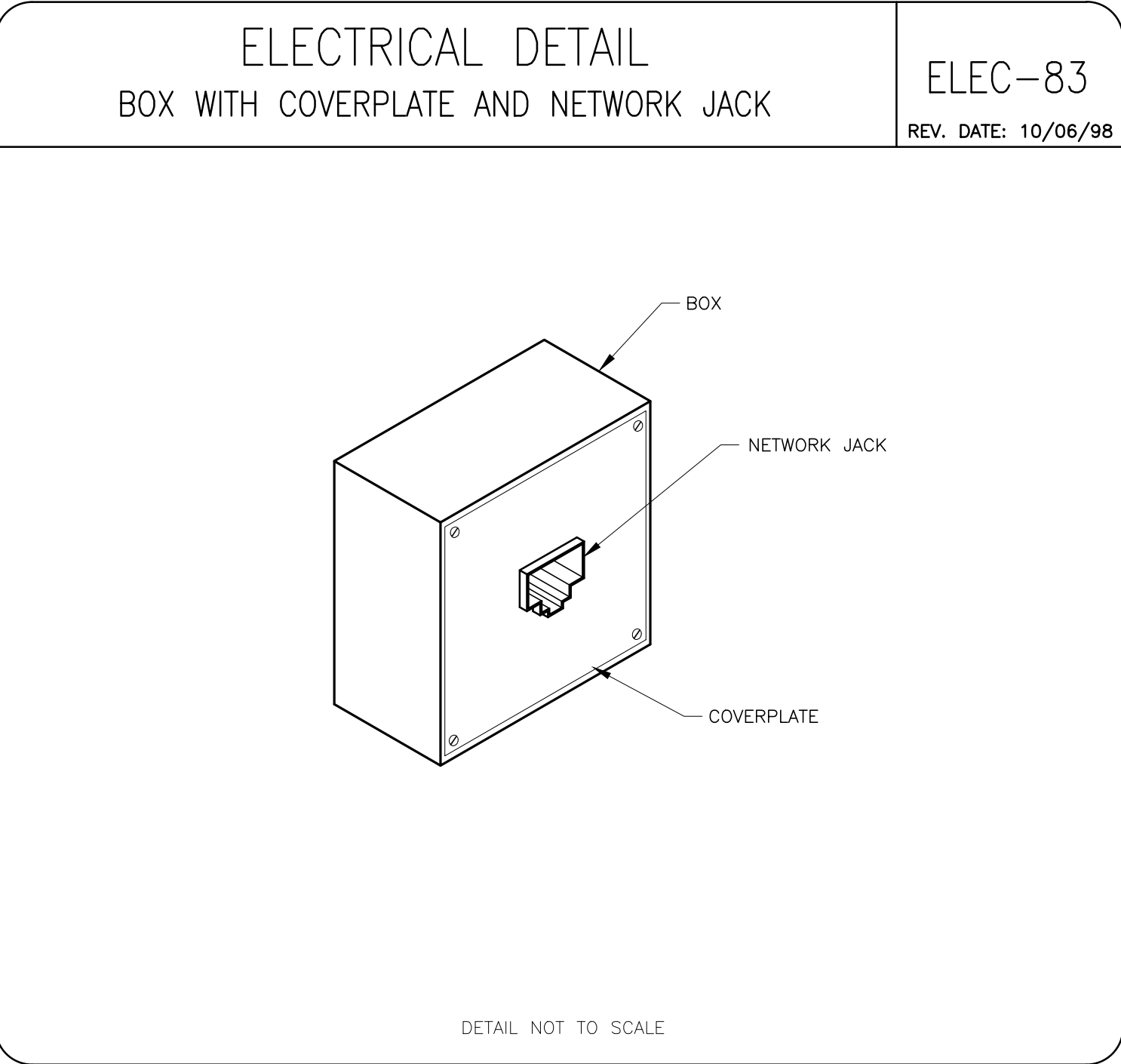
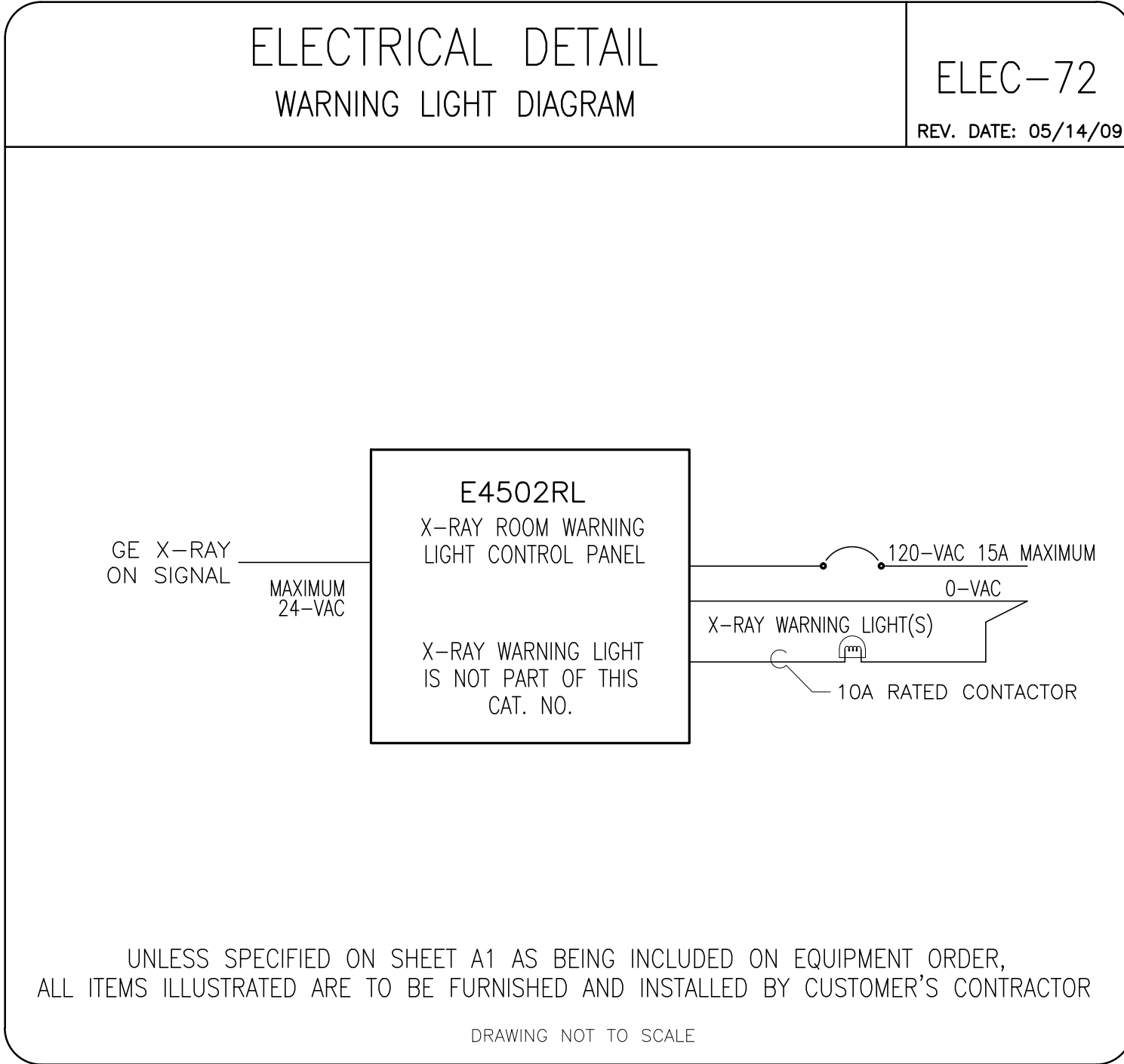
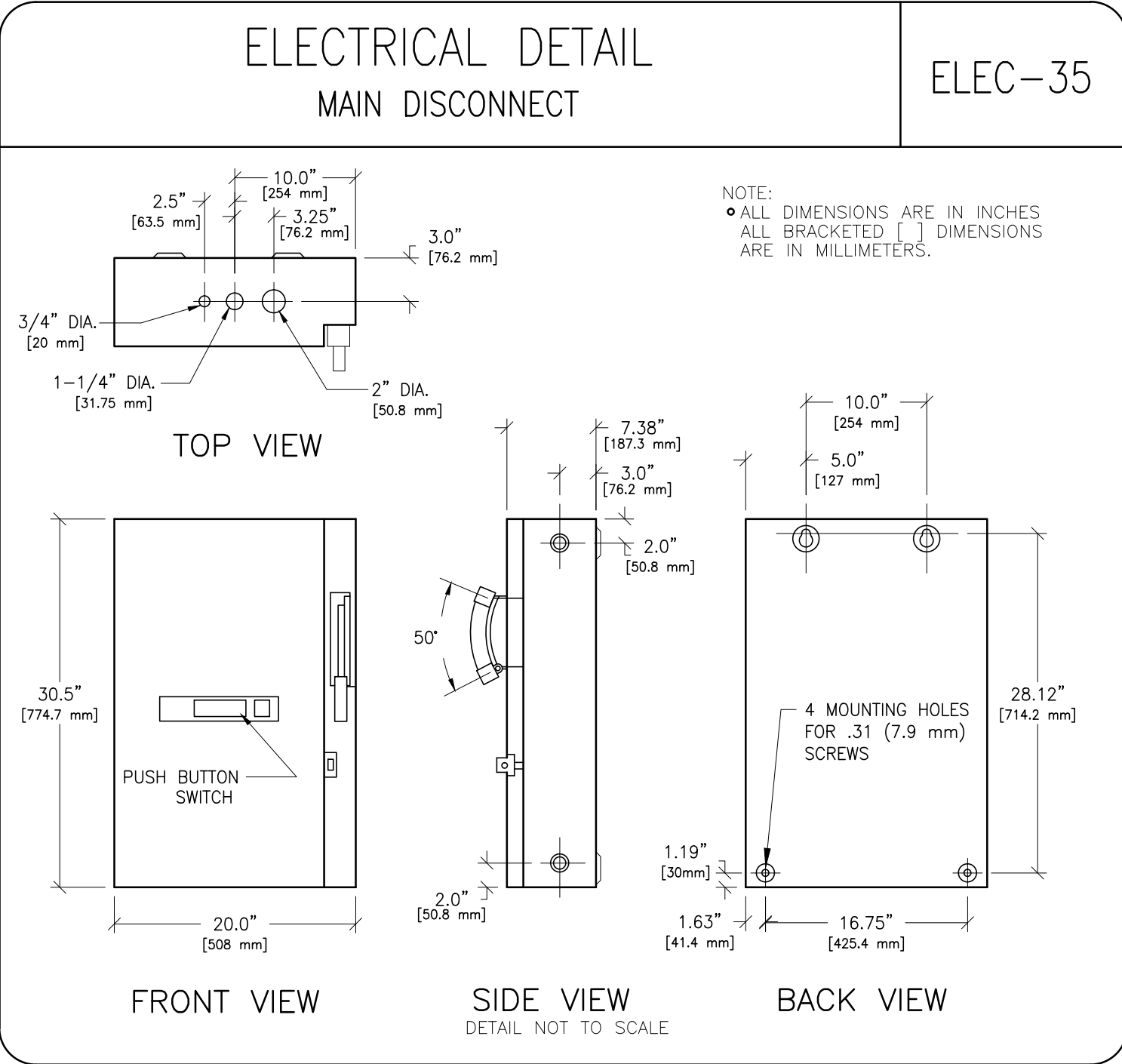
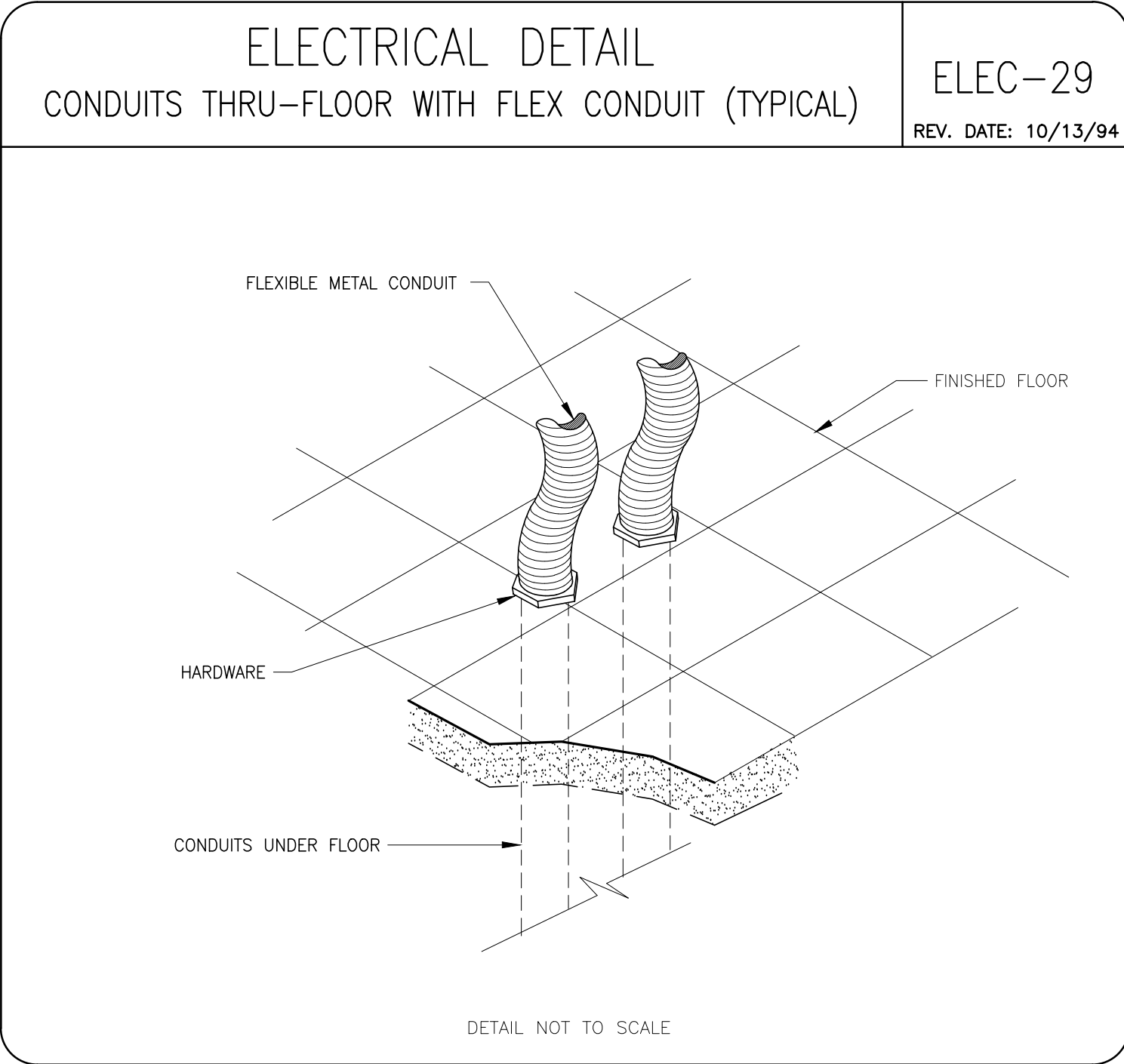
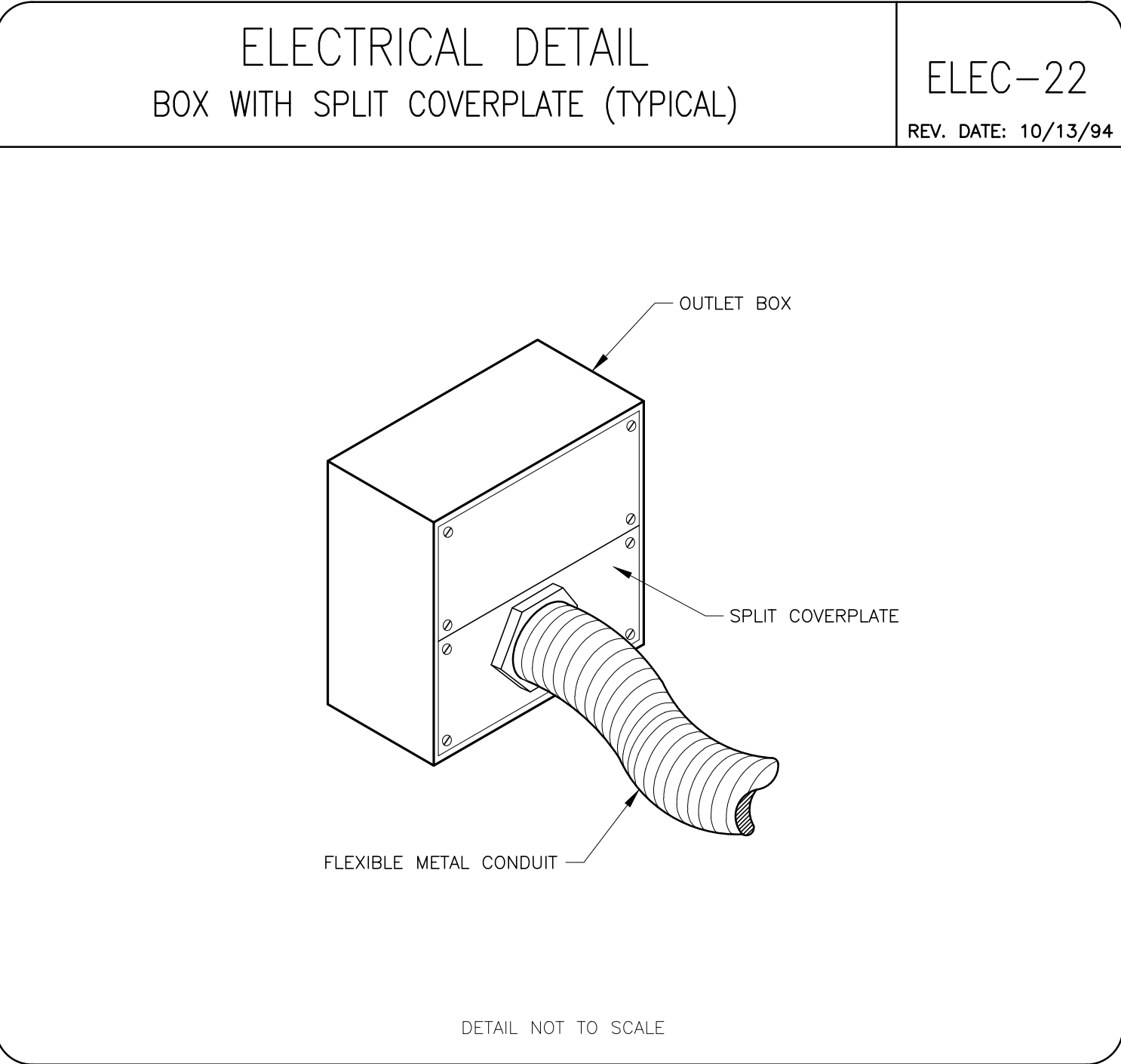
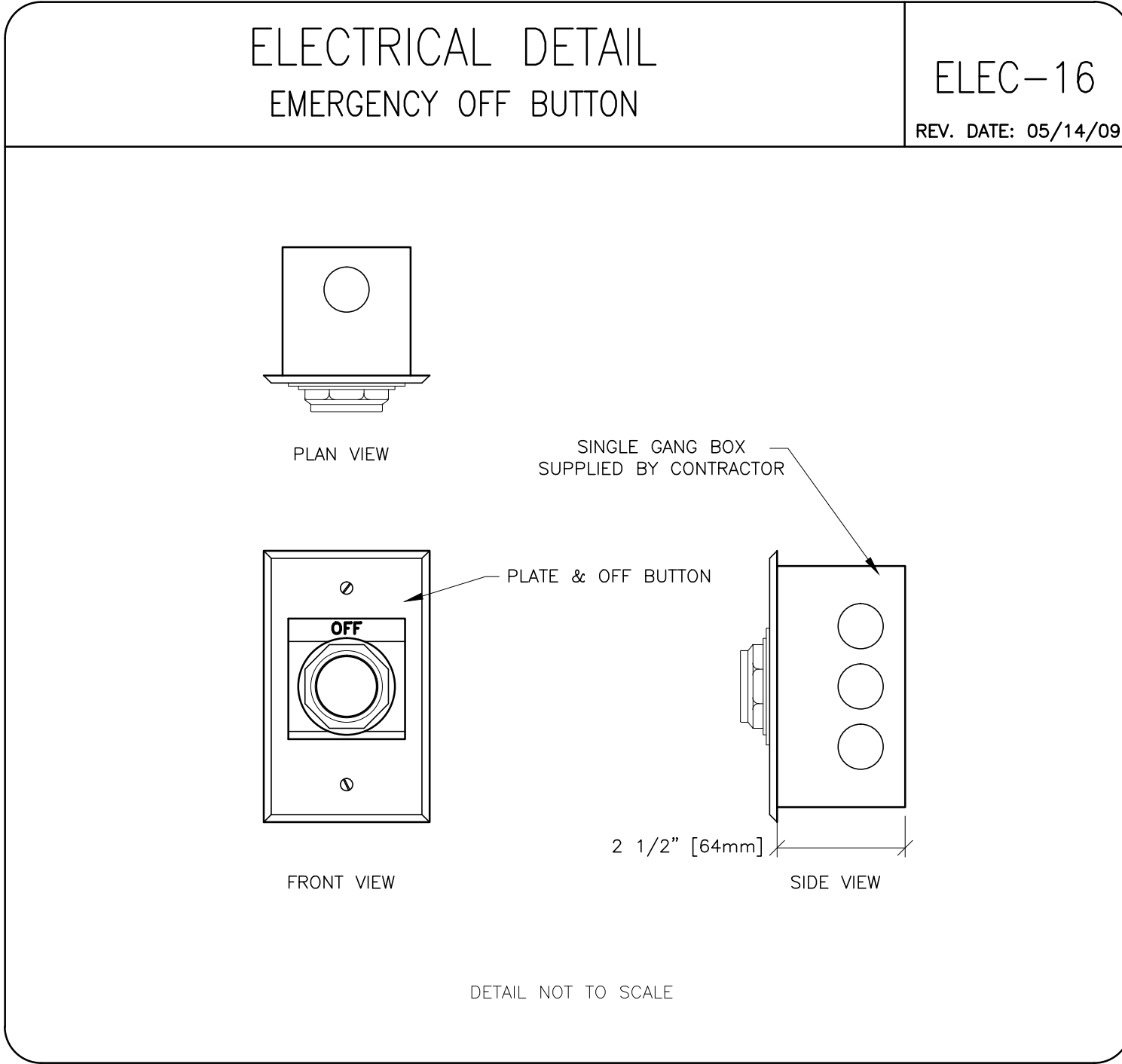
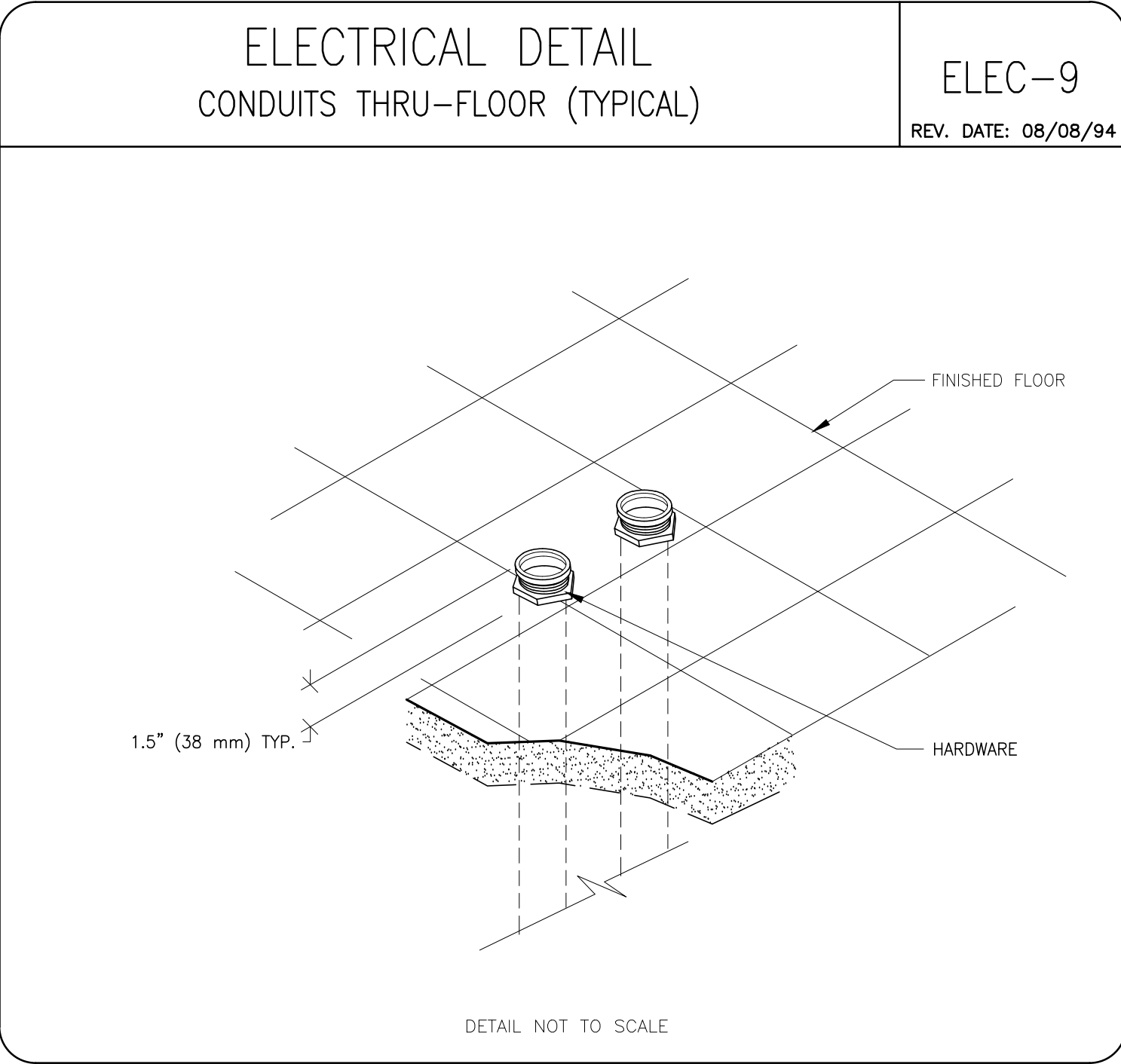
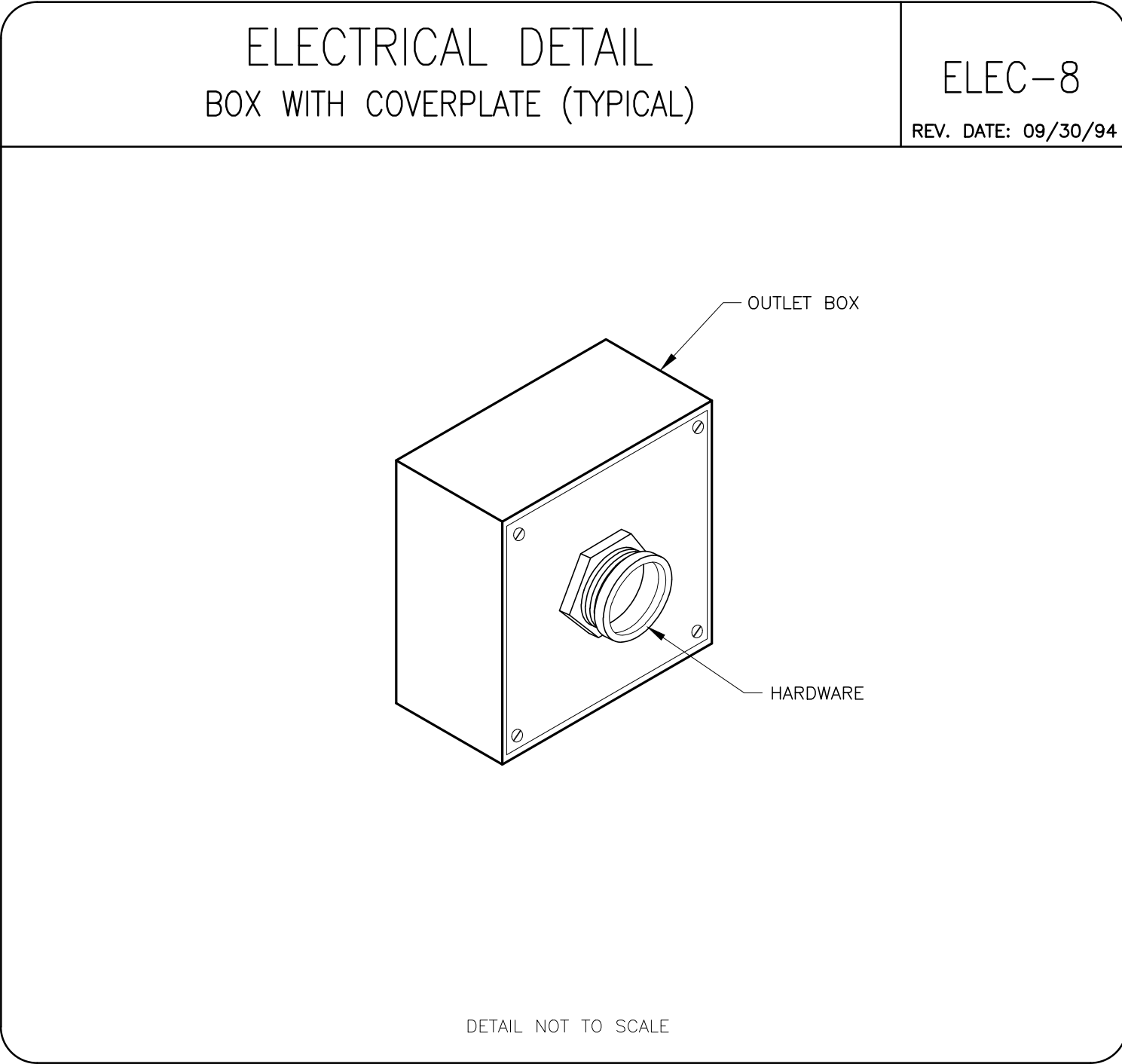
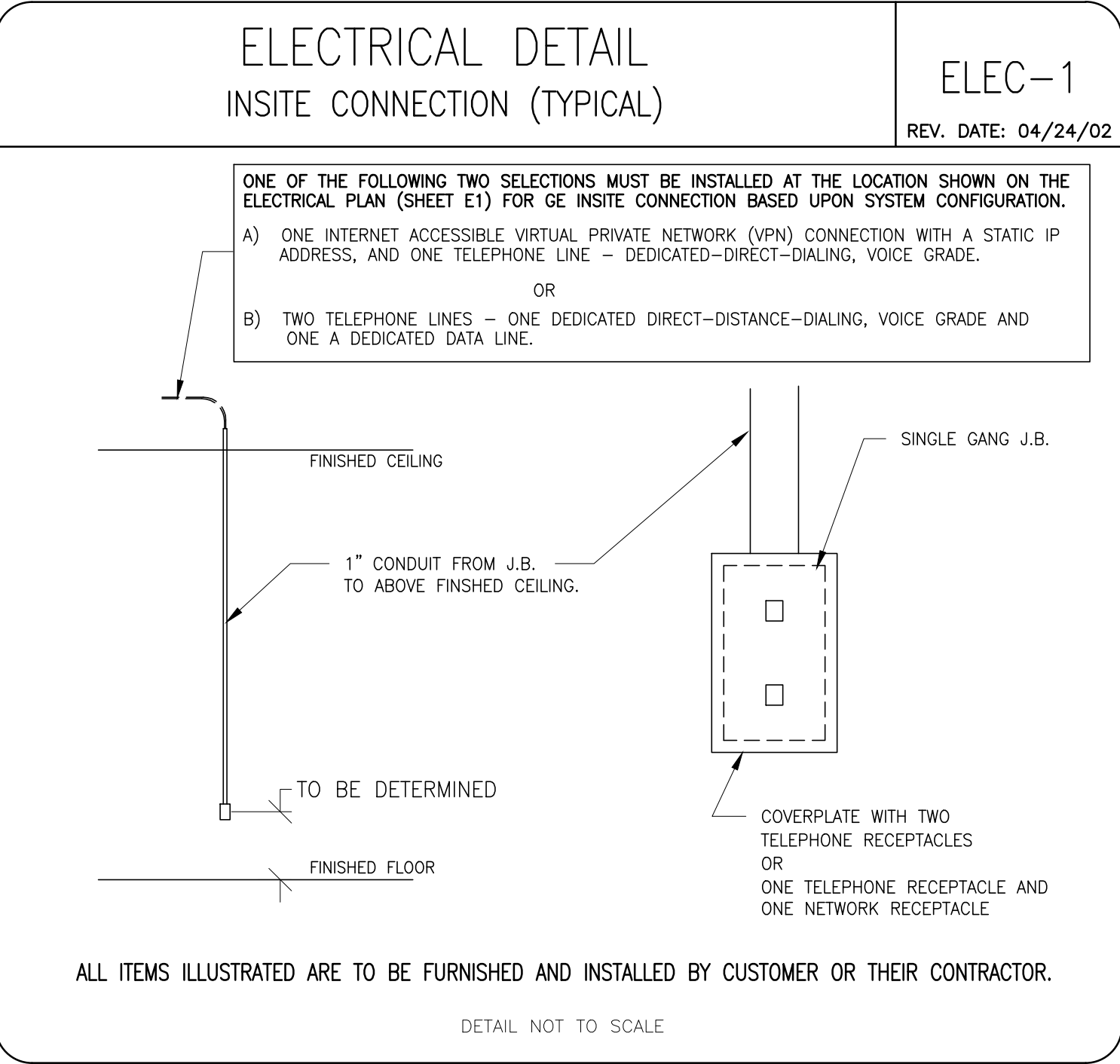
DATE: 08.Oct.15
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REVISION HISTORY:

SHEET

E2

WPS-100



PROJECT	REVISION
7-76f	00
DATE:	08.Oct.15
DRAWN BY:	RET
CHECKED BY:	CPC

REVISION HISTORY:

EQUIPMENT DETAIL
DISCOVERY NM/CT 670 SYSTEM WORKING AREA

B0578–
REV. DATE: 10.JUN.13

CAUTION
THE SYSTEM WORKING AREA IS A "CAUTION AREA" INSIDE WHICH ONLY AUTHORIZED PERSONNEL ARE PERMITTED ACCESS. NO UNAUTHORIZED PERSONS ARE ALLOWED INSIDE THIS AREA.

THE FLOOR CLEARANCE AREA SHOULD BE CLEARLY MARKED OFF AROUND THE CAMERA TO PREVENT OBSTACLES (FOR EXAMPLE WHEEL CHAIRS) FROM GETTING TOO CLOSE AND COLLIDING WITH THE SYSTEM DURING ITS AUTOMATIC OPERATION.

NO ITEMS OF ANY KIND MAY BE PRESENT WITHIN THIS AREA DURING THE AUTOMATIC OPERATION OF THE SYSTEM.

A MORE DECORATIVE FLOORING DESIGN MAY BE USED IN LIEU OF YELLOW CAUTION TAPE. HOWEVER, FINAL FLOORING MUST MEET FLOOR SPECIFICATIONS AS DESIGNATED IN THE PREINSTALLATION MANUAL.

SYSTEM WORKING AREA TO BE MARKED WITH YELLOW CAUTION TAPE.

SYSTEM WORKING AREA TO BE MARKED WITH YELLOW CAUTION TAPE.

NOTE:
• ALL DIMENSIONS IN INCHES
• BRACKETED DIMENSIONS [] EQUAL MILLIMETERS

EQUIPMENT DETAIL
R-WAVE MOBILE CART

B4305R
REV. DATE: 16.FEB.12

TOP VIEW

SIDE VIEW

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
6KVA UPS

B640M
REV. DATE: 16.OCT.2012

NOTE:
• INDICATES AIR FLOW ➡
• INDICATES CENTER OF GRAVITY ⊕

FRONT VIEW

SIDE VIEW

PLAN VIEW

EQUIPMENT DETAIL
TRANFORMER FOR 6KVA UPS

B640N
REV. DATE: 16.OCT.2012

NOTE:
• INDICATES AIR FLOW ➡
• INDICATES CENTER OF GRAVITY ⊕

FRONT VIEW

SIDE VIEW

PLAN VIEW

EQUIPMENT DETAIL
CT GANTRY DELIVERY

B78–16E
REV. DATE: 12/28/10

THE CUSTOMER MUST:
– PROVIDE AN AREA, ADJACENT TO THE SUITE, FOR DELIVERY AND UNLOADING OF THE GEMS EQUIPMENT.
– ENSURE THAT THE DIMENSIONS OF ALL DOORS, CORRIDORS, CEILING HEIGHTS, ARE SUFFICIENT TO ACCOMMODATE THE MOVEMENT OF GEMS EQUIPMENT FROM THE DELIVERY AREA TO THE SPECIFIC ROOMS OF THE SITE.
– ENSURE THAT THE ACCESS ROUTE WILL ACCOMMODATE THE WEIGHTS OF THE EQUIPMENT AND ANY TRANSPORTATION, LIFTING AND RIGGING EQUIPMENT.
– IF THE PARKING AND DOCK FACILITIES ARE ON PROPERTY WICH DOES NOT BELONG TO THE CUSTOMER, ENSURE THAT ALL NECESSARY STEPS HAVE BEEN TAKEN TO ENSURE THEIR TEMPORARY USE BY GEMS.

FRONT VIEW

SIDE VIEW

THE GANTRY IS SHIPPED ON A DOLLY EQUIPPED WITH ELEVATING CASTERS (NORMAL SHIPPING CONFIGURATION).
THE ABSOLUTE MINIMUM DIMENSIONS FOR EQUIPMENT DELIVERY ARE:
W = 1970MM, D = 860MM, H = 1850MM, (REMOVE COVERS AND DOLLIES).

EQUIPMENT DETAIL
CT TYPICAL SCATTER SURVEY

B78–16F
REV. DATE: 06/15/06

NOTE: 140 Kv
100 mAs/scan
1 Sec
4 x 5.00mm Scan Acquisition
BODY PHANTOM

PLAN VIEW

ELEVATION

EQUIPMENT DETAIL
GAMMA CAMERA GANTRY DELIVERY

B78–16F
REV. DATE: 12/28/10

THE CUSTOMER MUST :
– PROVIDE AN AREA, ADJACENT TO THE SUITE, FOR DELIVERY AND UNLOADING OF THE GEMS EQUIPMENT.
– ENSURE THAT THE DIMENSIONS OF ALL DOORS, CORRIDORS, CEILING HEIGHTS, ARE SUFFICIENT TO ACCOMMODATE THE MOVEMENT OF GEMS EQUIPMENT FROM THE DELIVERY AREA TO THE SPECIFIC ROOMS OF THE SITE.
– ENSURE THAT THE ACCESS ROUTE WILL ACCOMMODATE THE WEIGHTS OF THE EQUIPMENT AND ANY TRANSPORTATION, LIFTING AND RIGGING EQUIPMENT.
– IF THE PARKING AND DOCK FACILITIES ARE ON PROPERTY WICH DOES NOT BELONG TO THE CUSTOMER, ENSURE THAT ALL NECESSARY STEPS HAVE BEEN TAKEN TO ENSURE THEIR TEMPORARY USE BY GEMS.

FRONT VIEW

SIDE VIEW

CAUTION
GAMMA CAMERA DELIVERY NEED 1400 MM MINIMUM OPENING

THE GANTRY IS SHIPPED ON A DOLLY EQUIPPED WITH ELEVATING CASTERS. THE ABSOLUTE MINIMUM DIMENSIONS FOR EQUIPMENT DELIVERY ARE :
W = 2260MM, D = 1360MM, H = 2000MM.

EQUIPMENT DETAIL
CT TYPICAL SCATTER SURVEY

B78–16G
REV. DATE: 06/15/06

NOTE: 140 Kv
100 mAs/scan
1 Sec
4 x 5.00mm Scan Acquisition
HEAD PHANTOM

PLAN VIEW

ELEVATION

EQUIPMENT DETAIL
CT GANTRY

B78–16H
REV. DATE: 12/13/05

⊕ CENTER OF GRAVITY

FRONT VIEW

SIDE VIEW

EQUIPMENT DETAIL
POWER DISTRIBUTION UNIT

B78–58D
REV. DATE: 01/28/09

NOTE:
• INDICATES AIR FLOW ➡
• INDICATES CENTER OF GRAVITY ⊕

FRONT VIEW

SIDE VIEW

EQUIPMENT DETAIL
CT GANTRY SHIPPING DETAIL

B79–96MJ
REV. DATE: 10.JUL.14

PLAN VIEW

CONFIGURATION	DIMENSIONS			PERSONS NEEDED	ADDITIONAL PERSON HOURS	COMMENT
	LENGTH in. [mm]	WIDTH in. [mm]	HEIGHT in. [mm]			
NORMAL SHIPPING CONFIGURATION	111 [2810]	51 [1290]	79 [2000]	2	0	VAN DRIVERS DELIVER EQUIPMENT TO ROOM. GE REPS. SUPERVISE AND ASSIST. HEIGHT IS WITH 1 IN. [25.4mm] CLEARANCE FROM FLOOR.
REMOVE PROTECTIVE SIDE RAILS	111 [2810]	40.9 [1039]	79 [2000]	2	0.5	WITH RAILS REMOVED, BE VERY CAREFUL TO PREVENT DAMAGE TO COVERS.
REMOVE COVERS REMOVE DOLLIES	77 [1970]	34 [860]	73 [1850]	2	1.5	THIS CONFIGURATION IS USED TO GET GANTRY INTO A 9 FT. [2.74m] ELEVATOR. DO NOT PUSH ON GANTRY COVERS. PUSH ONLY ON FRAME MEMBERS. AUX. DOLLIES PROVIDE 2.3 IN. [58mm] CLEARANCE FROM FLOOR. USE EXTREME CARE IN REMOVING, HANDLING AND INSTALLING COVERS. SEE PROCEDURE IN DIRECTION 5141177-100, BRIGHTSPEED ELITE, EDGE, AND EXCEL GENERAL SYSTEM INSTALLATION. SEE TWO PREVIOUS COMMENTS. SEE LIFTING PROCEDURE DIRECTION 5141177-100 BRIGHTSPEED ELITE, EDGE, AND EXCEL GENERAL SYSTEM INSTALLATION.

EQUIPMENT DETAIL
10KVA UPS SYSTEM

B79–99ZA
REV. DATE: 06.May.15

NOTE:
• INDICATES AIR FLOW ➡

FRONT VIEW

SIDE VIEW

GE Healthcare

Healthcare Project Implementation – Design Center Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: DISCOVERY NM/CT 670

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7–76f
TYPICAL FINAL

PROJECT TITLE:

PROJECT	REVISION
7–76f	00

DATE: 08.Oct.15

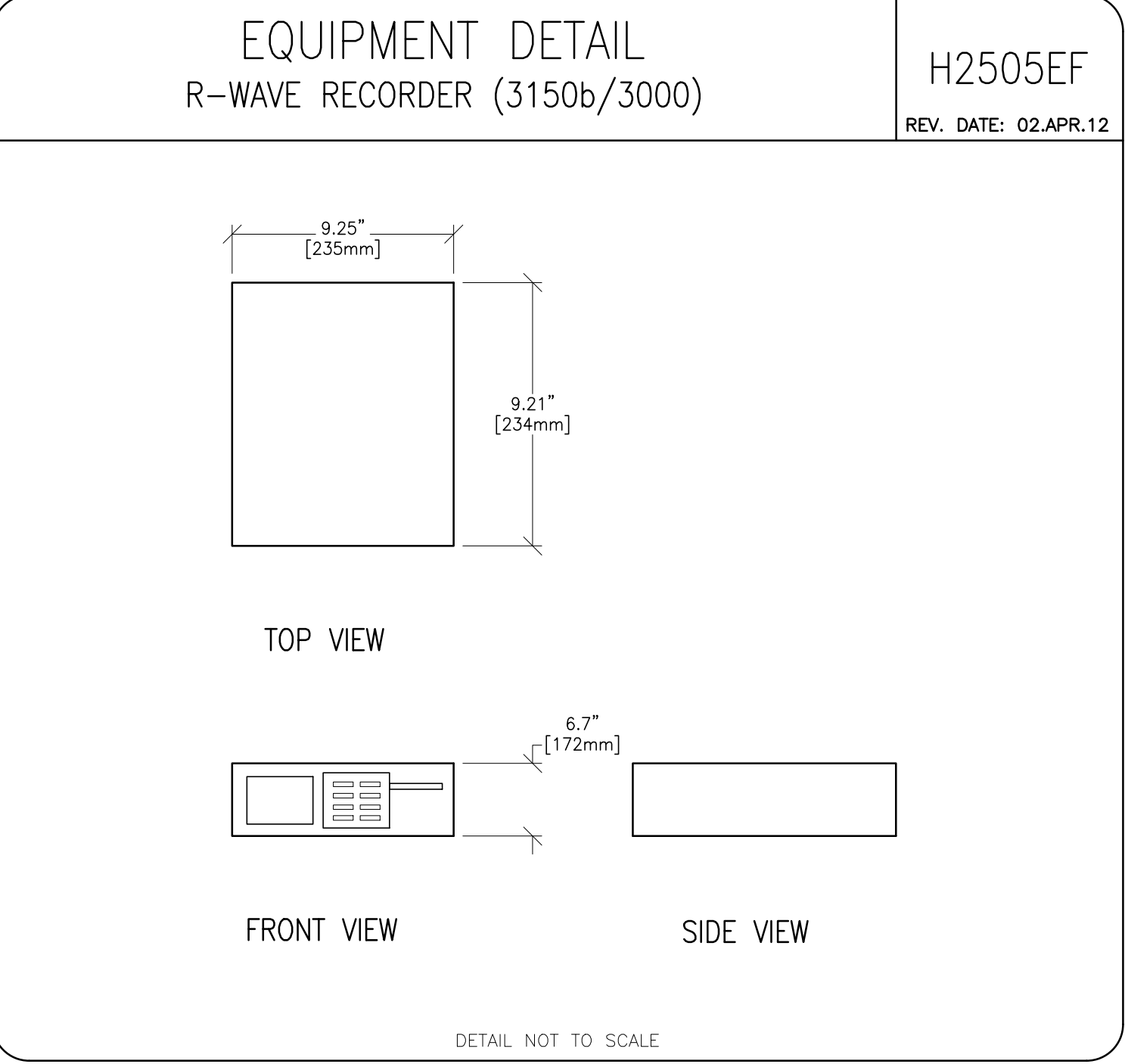
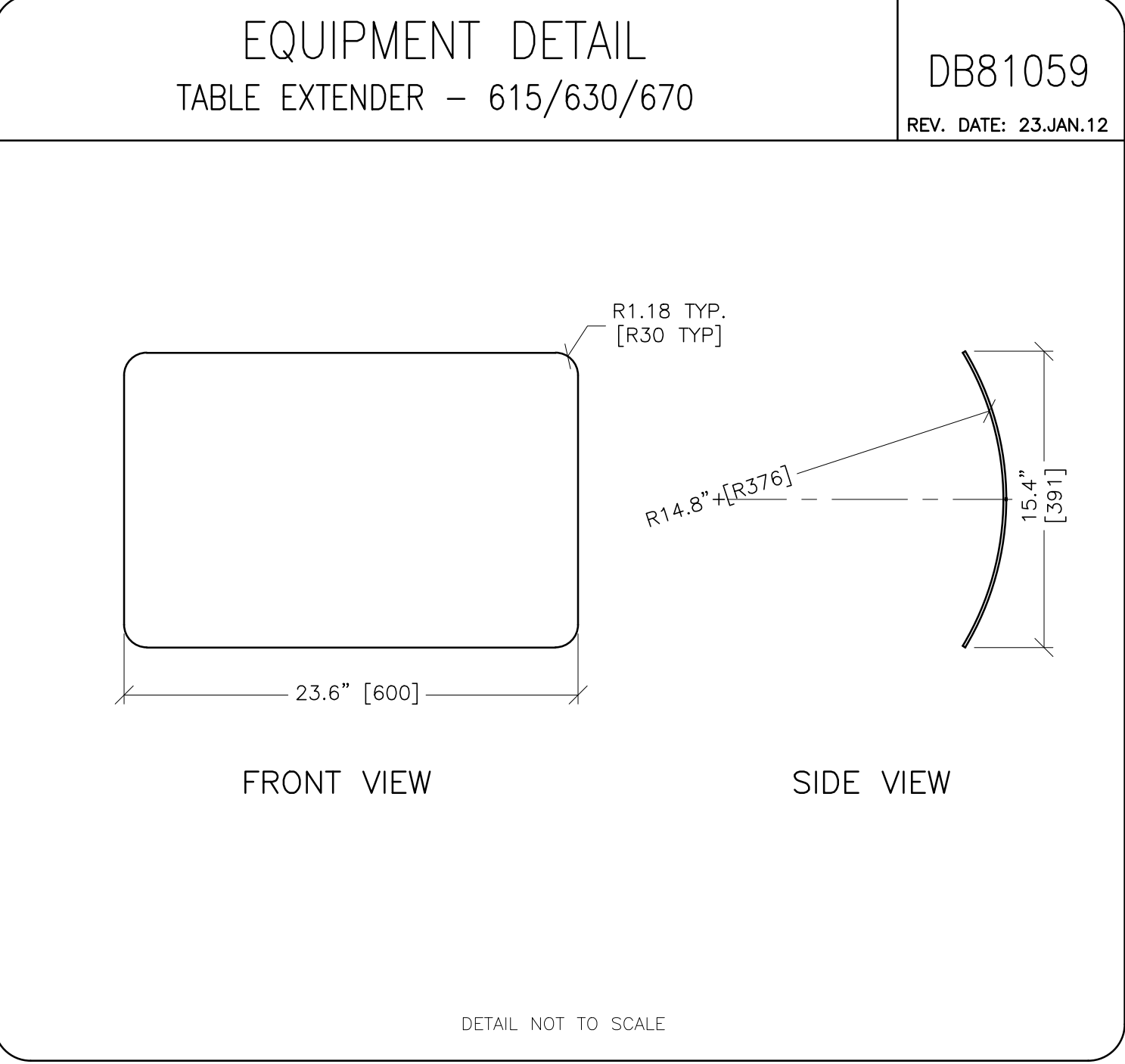
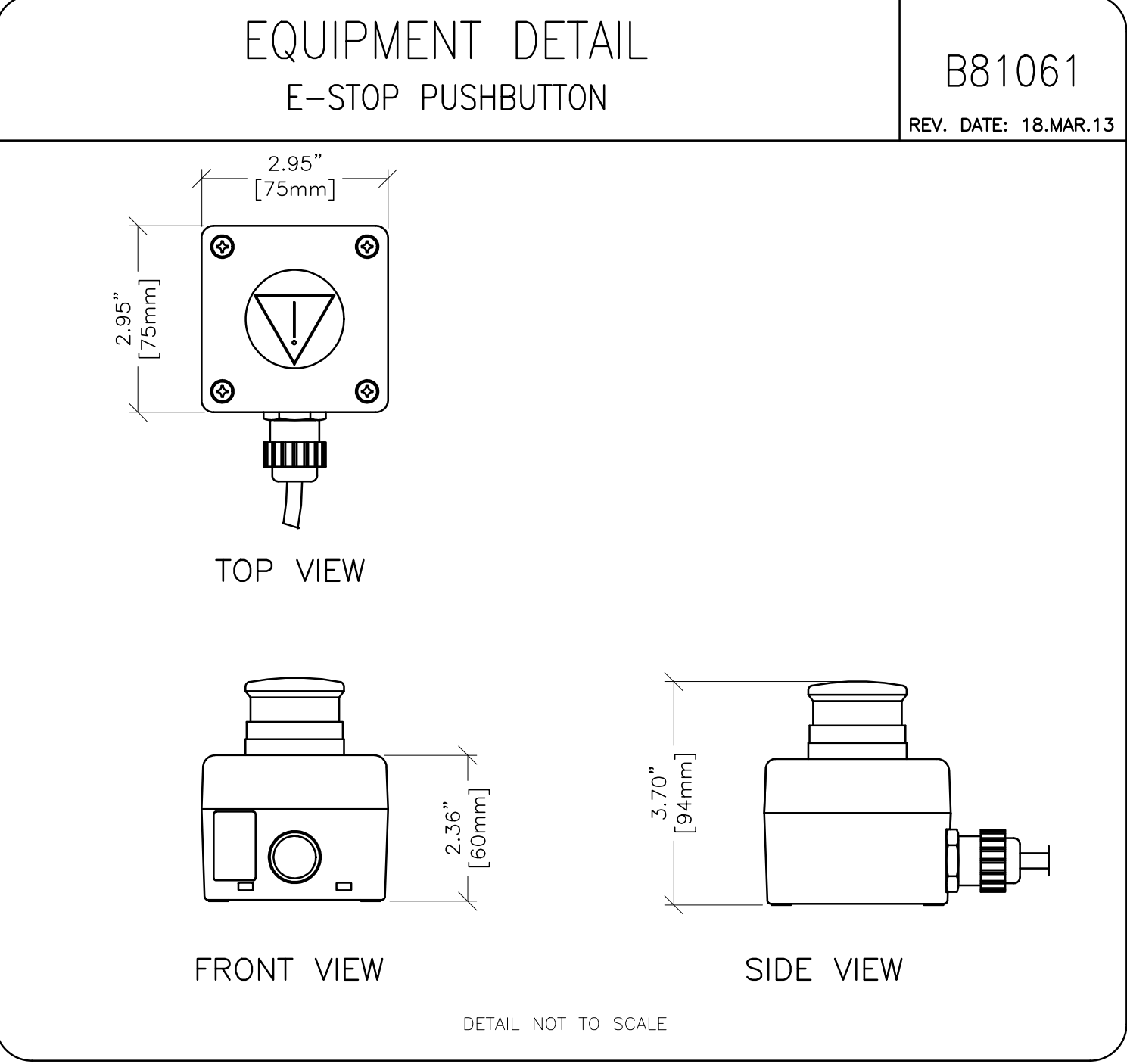
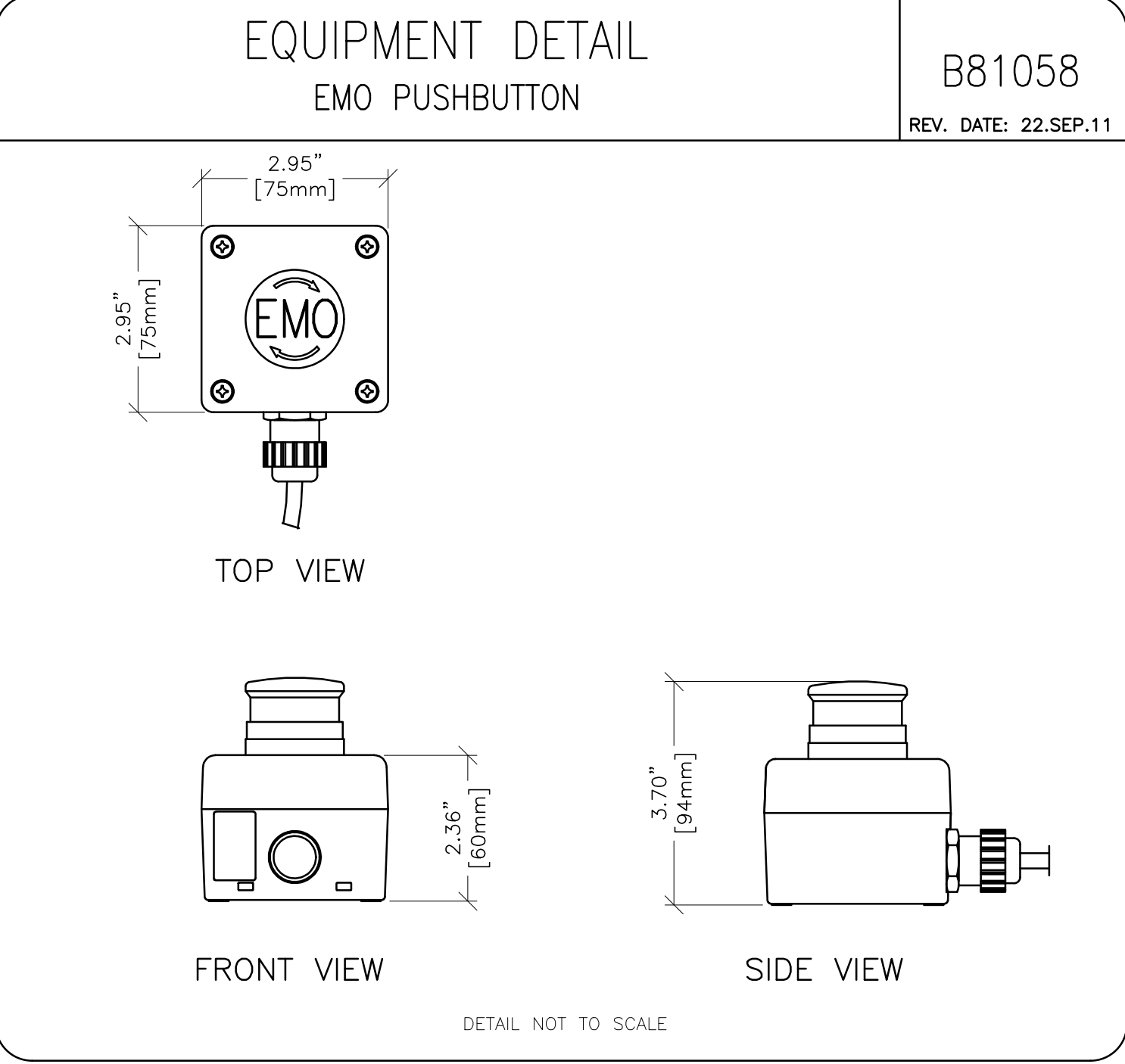
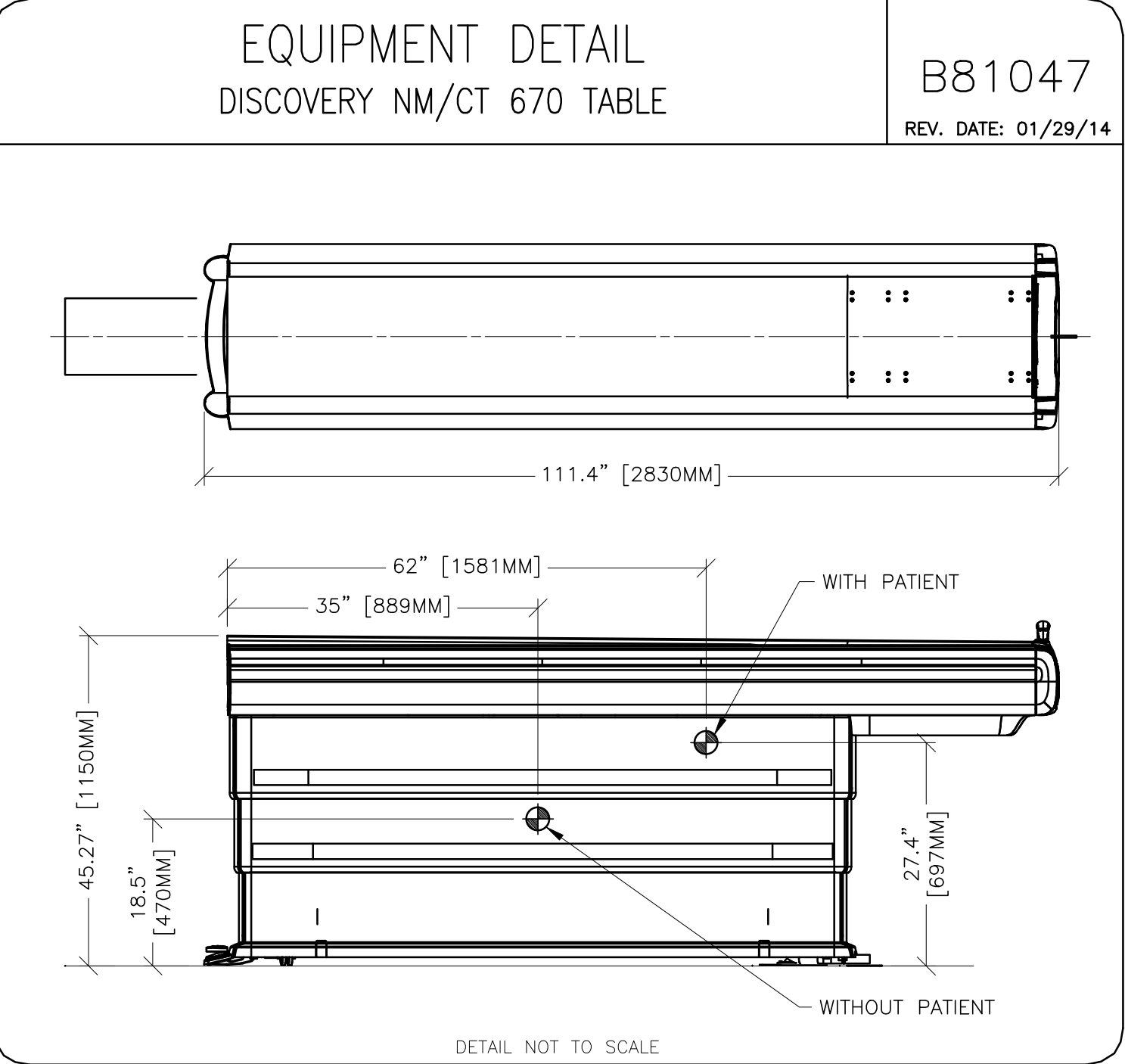
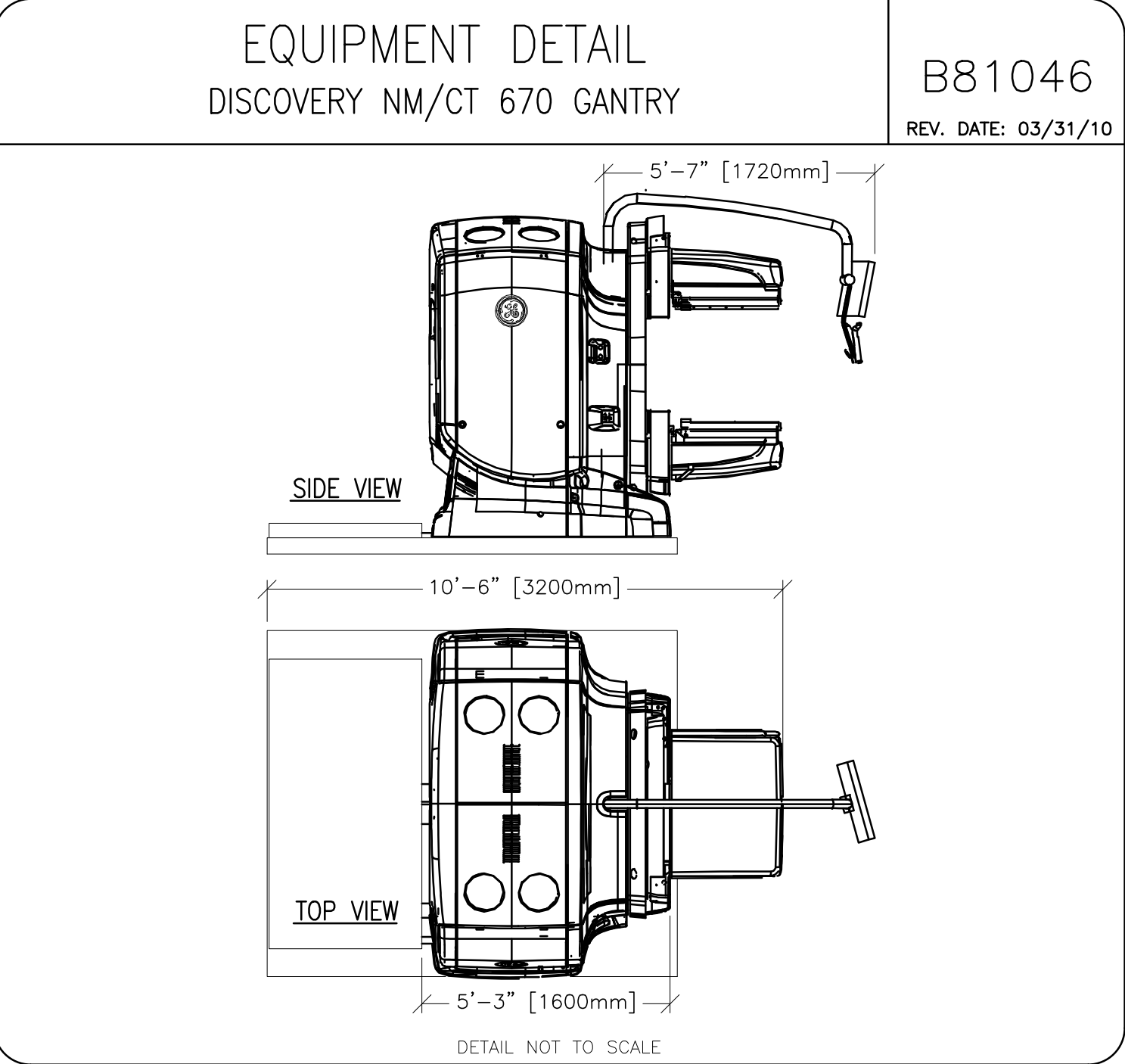
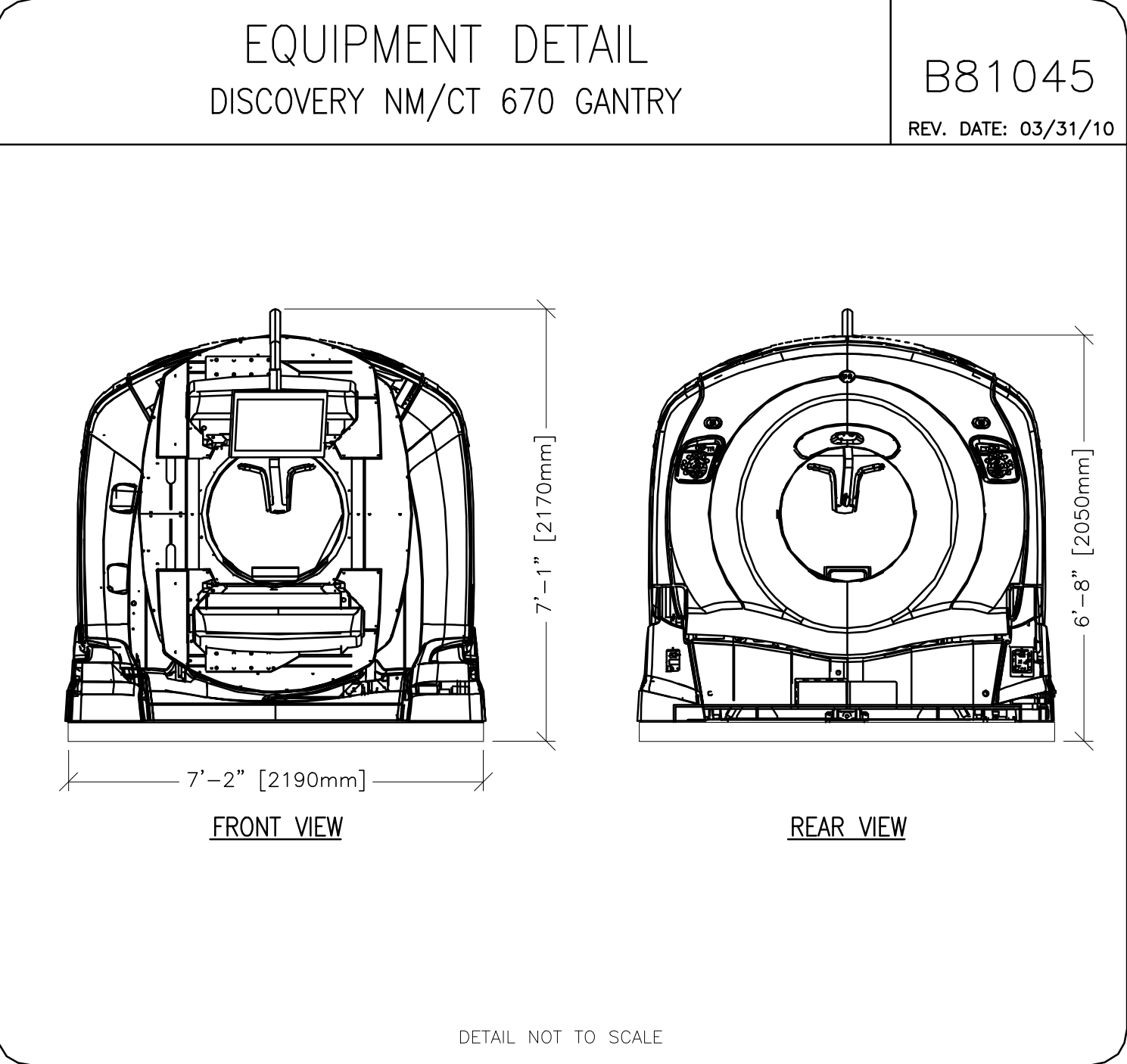
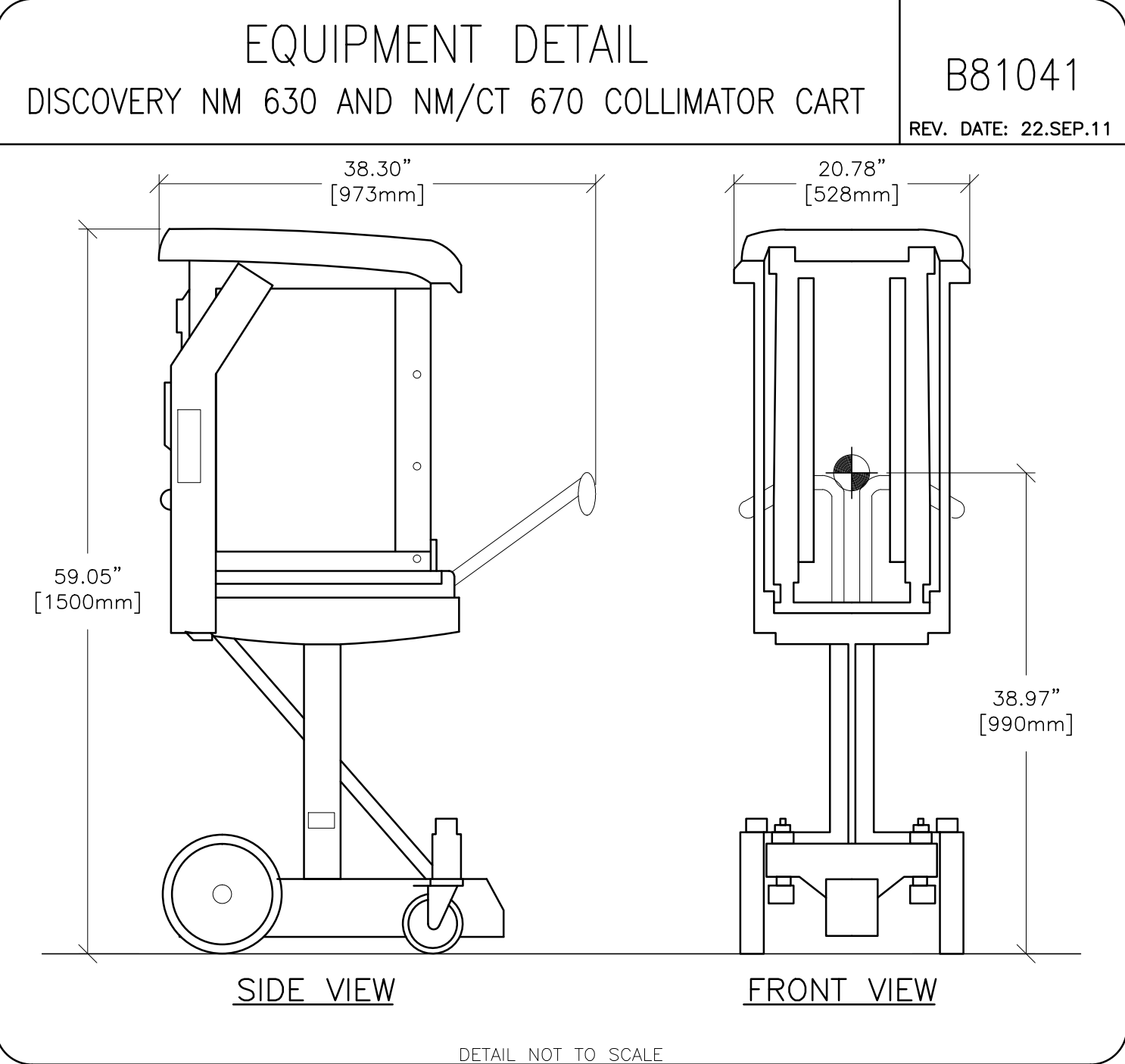
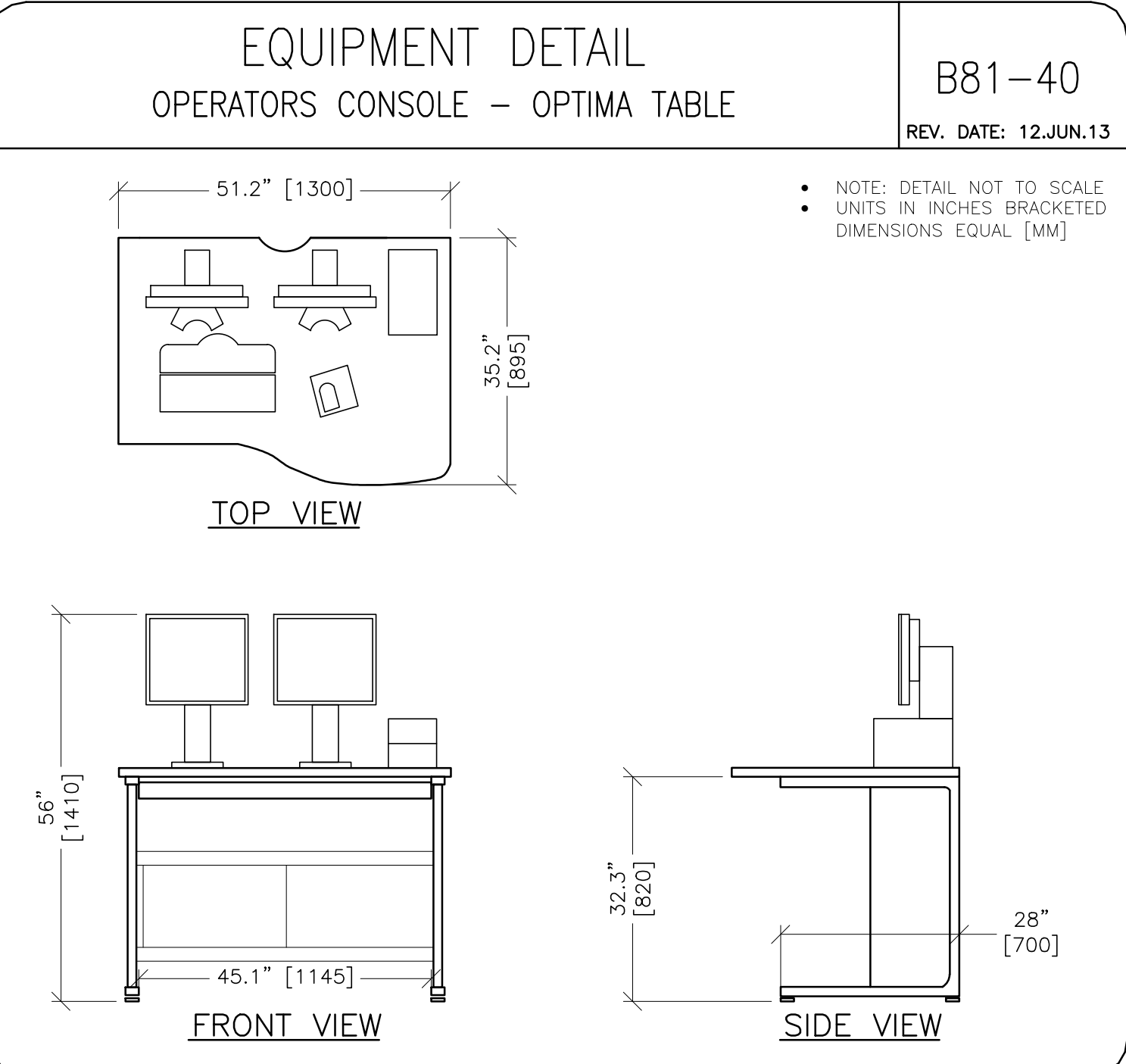
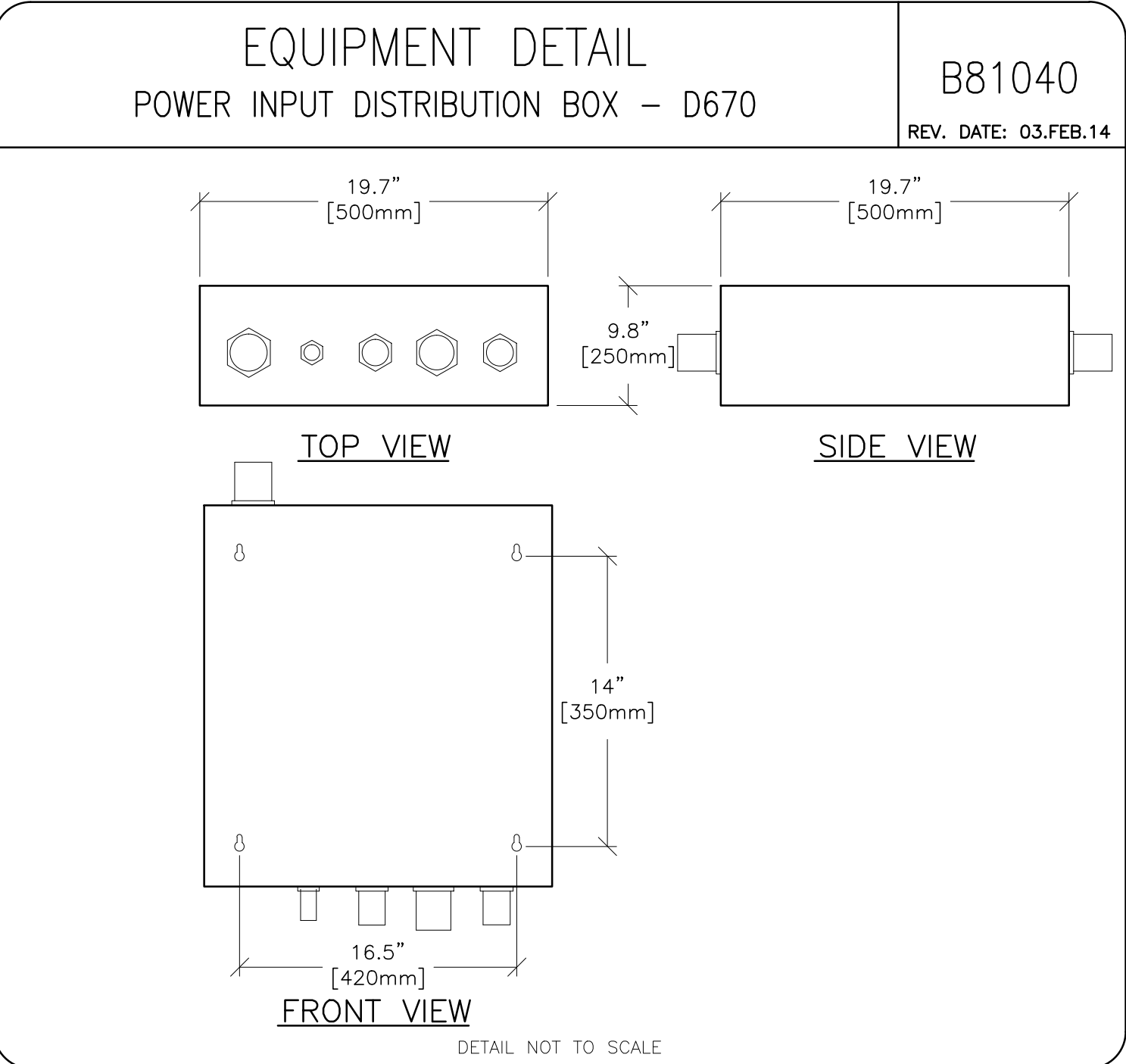
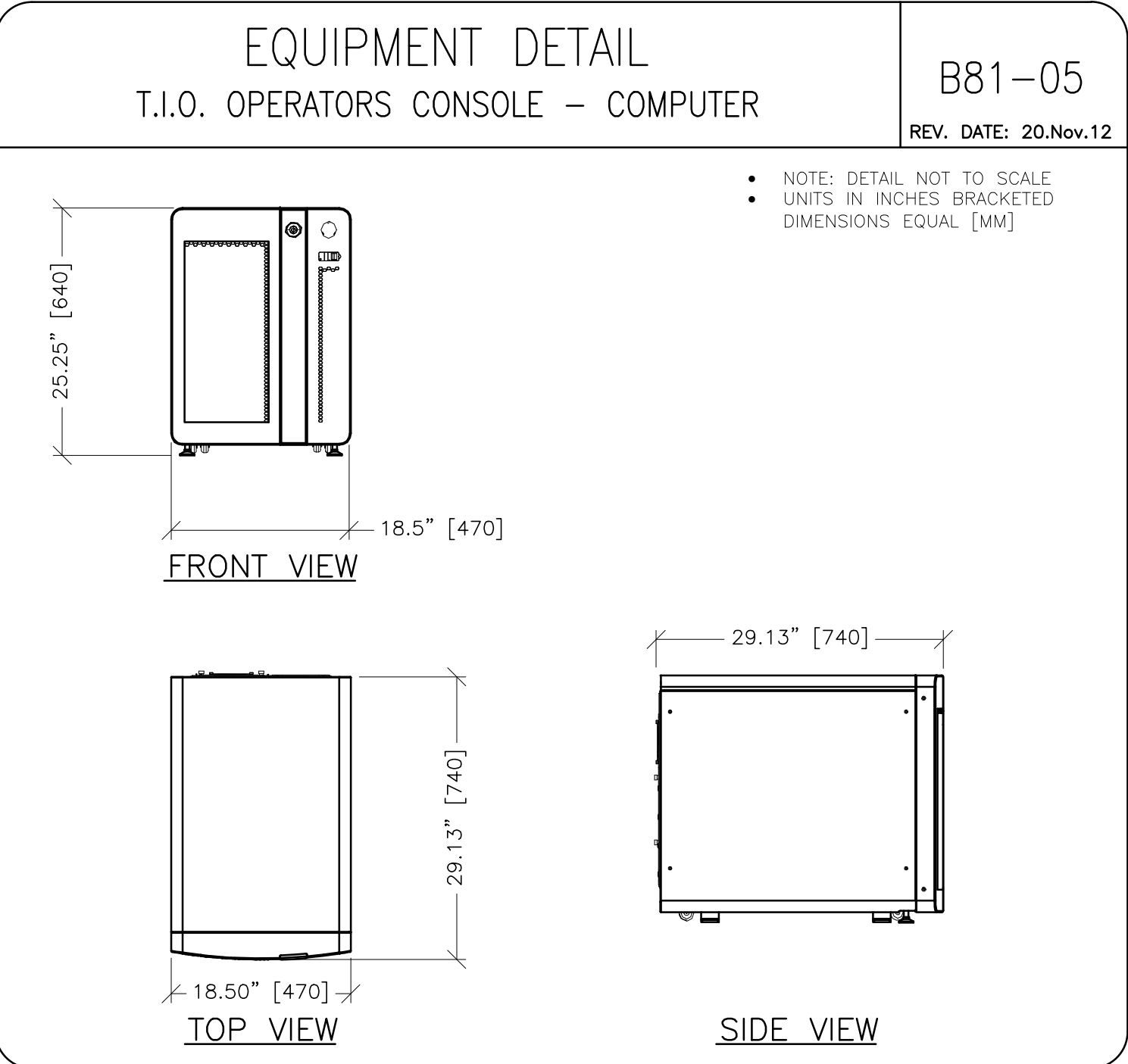
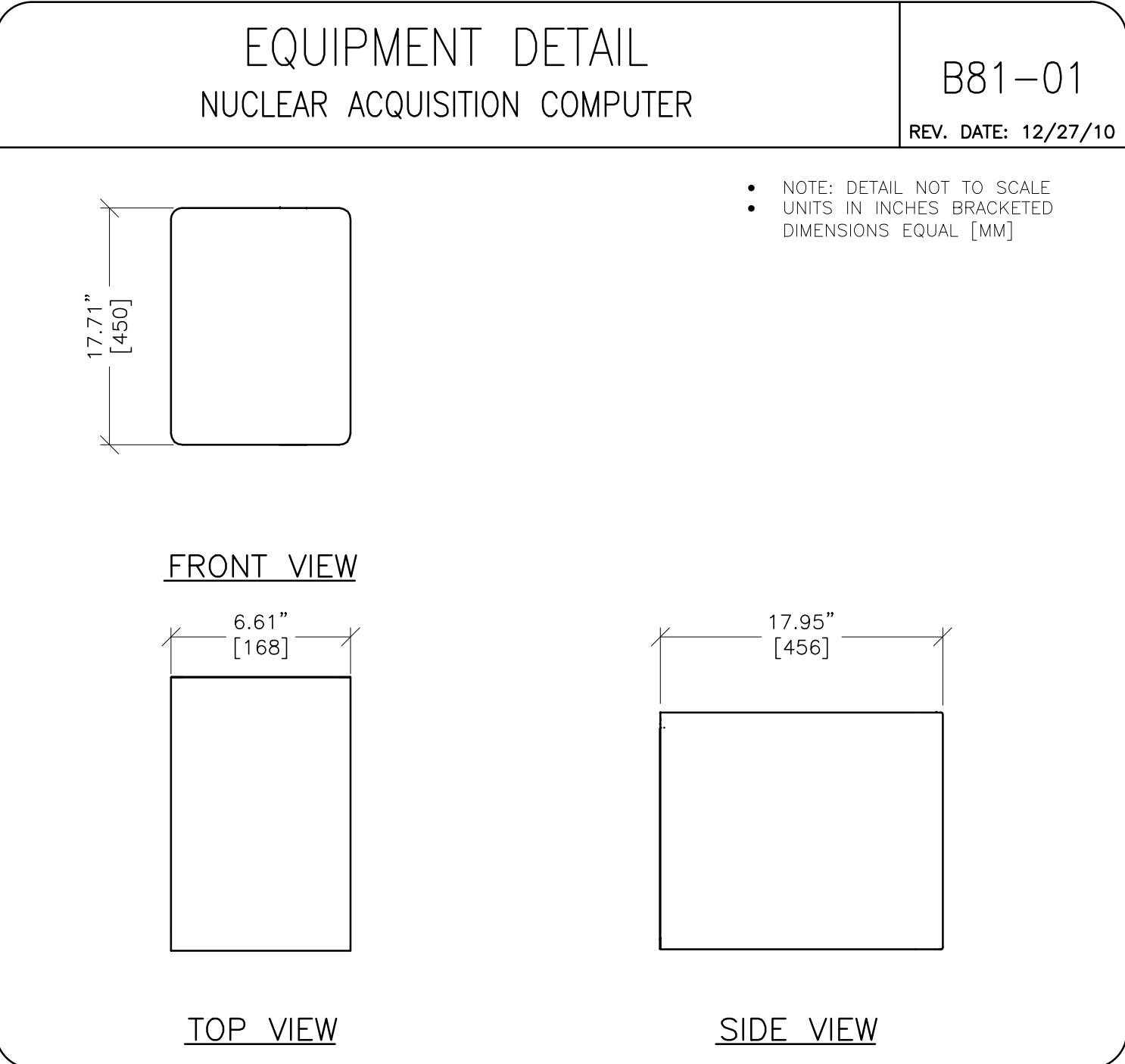
DRAWN BY: RET

CHECKED BY: CPC

REVISION HISTORY:

SHEET

D1



PROJECT	REVISION
7-76f	00
DATE:	08.Oct.15
DRAWN BY:	RET
CHECKED BY:	CPC

REVISION HISTORY:

EQUIPMENT DETAIL
XELERIS WORKSTATION

M1014AW
REV. DATE: 01/24/08

8.30"
[210mm]

17.07"
[449mm]

20.3"
[515mm]

COMPUTER
TOWER

37.9 LBS/18 KG
1465 BTU/500 W

19.8"
[503mm]

20.1"
[510mm]

18.1"
[460mm]

21" COLOR MONITOR

68.3 LBS/31 KG
369 BTU/135 W

18.8"
[470mm]

6.7"
[170mm]

1.57"
[40mm]

KEYBOARD

3.4 LBS/1.54 KG

T.B.D.

T.B.D.

T.B.D.

FLAT PANEL MONITOR

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
MAIN LINE CONTACTOR – OPTIONAL

R45–02AD
REV. DATE: 05/06/94

2.5"
[63.5 mm]

10.0"
[254 mm]

3.25"
[76.2 mm]

3.0"
[76.2 mm]

3/4" DIA.
[20 mm]

1–1/4" DIA.
[31.75 mm]

2" DIA.
[50.8 mm]

TOP VIEW

30.5"
[774.2 mm]

20.0"
[508 mm]

PUSH BUTTON
SWITCH

FRONT VIEW

50°

2.0"
[50.8 mm]

7.38"
[187.3 mm]

3.0"
[76.2 mm]

2.0"
[50.8 mm]

SIDE VIEW

10.0"
[254 mm]

5.0"
[127 mm]

28.12"
[714.2 mm]

4 MOUNTING HOLES
FOR .31 (7.9 mm)
SCREWS

1.19"
[30mm]

1.63"
[41.4 mm]

16.75"
[425.4 mm]

BACK VIEW

NOTE:
• ALL DIMENSIONS ARE IN INCHES
ALL BRACKETED () DIMENSIONS
ARE IN MILLIMETERS.

DETAIL NOT TO SCALE

EQUIPMENT DETAIL
TYPICAL STORAGE CABINET

M33005
REV. DATE: 02/26/09

36"
[914mm]

PLAN VIEW

18"
[457mm]

42"
[1067mm]

SIDE VIEW

42"
[1067mm]

FRONT VIEW

DETAIL NOT TO SCALE

GE Healthcare

Healthcare Project Implementation – Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: DISCOVERY NM/CT 670

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT
AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS,
IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS
TO THE LATEST AVAILABLE INFORMATION. HOWEVER, THE COMPANY CANNOT ACCEPT
RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

7–76f
TYPICAL FINAL

PROJECT	REVISION
7–76f	00
DATE:	08.Oct.15
DRAWN BY:	RET
CHECKED BY:	CPC

REVISION HISTORY:

SHEET

D3

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