

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 *

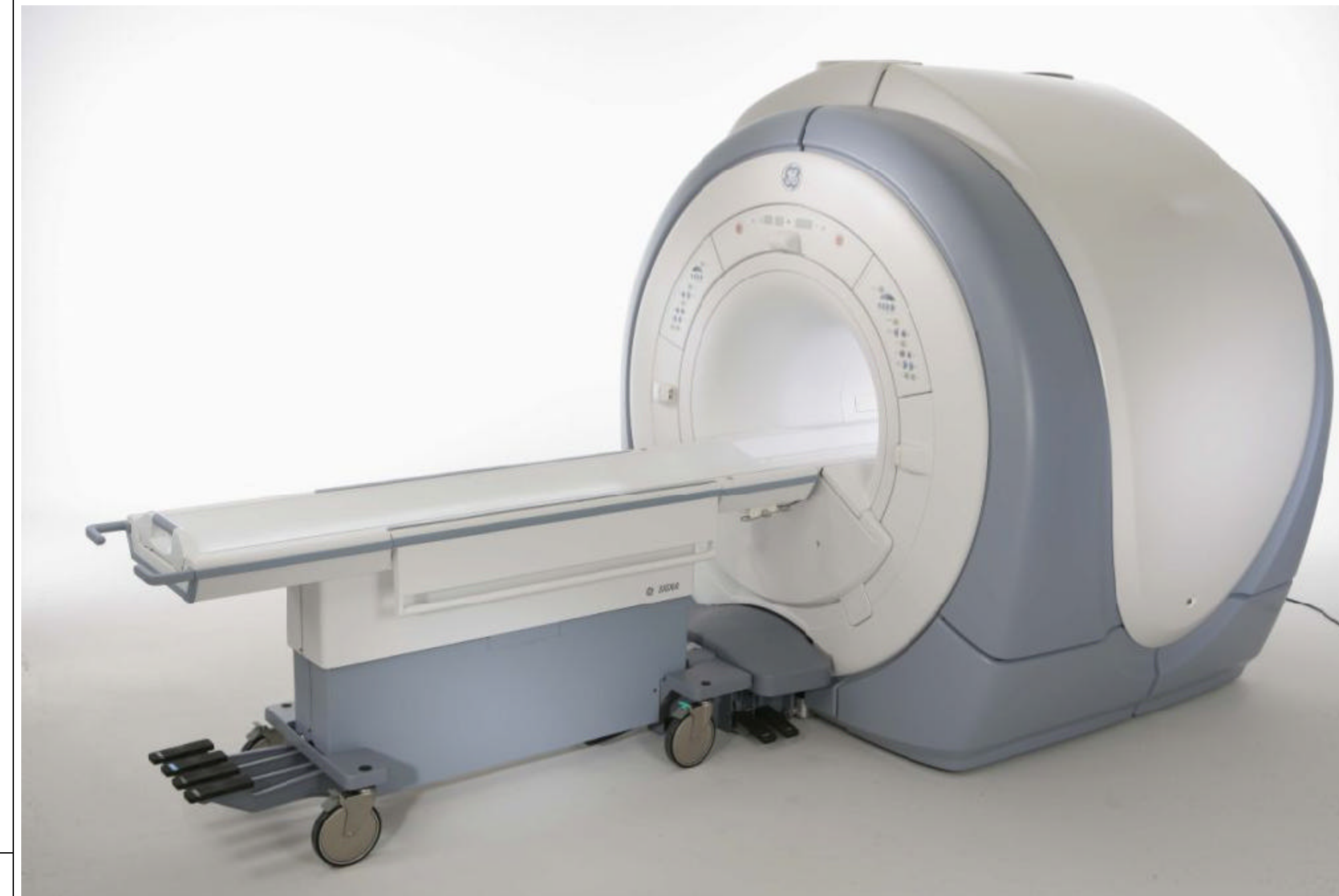
Signa 3.0T w/Excite HD
Preinstallation Manual
5133303

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



MRi 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)
- It is the customer's responsibility to contract a vibration consultant/engineer to implement site design modifications to meet the GE vibration specification. Refer to the system preinstallation manual for the vibration specification.

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.						
<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.</small>						
Item #	GEHC Minimum Requirements	Storage: Is item ready?	Predict (Pre-ship) Will item be 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 PMI storage criteria.					
5	Callout 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: 3.0T SIGNA EXCITE HD
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 CONSTRUCTION PRACTICES. IT IS NOT TO BE USED FOR ANY OTHER RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
8-194F
TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01
DATE:	10-19-07
DRAWN BY:	SDB
CHECKED BY:	PM

REVISION HISTORY:

SHEET
C1

This drawing is based on Sketch No.: 8-194

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.

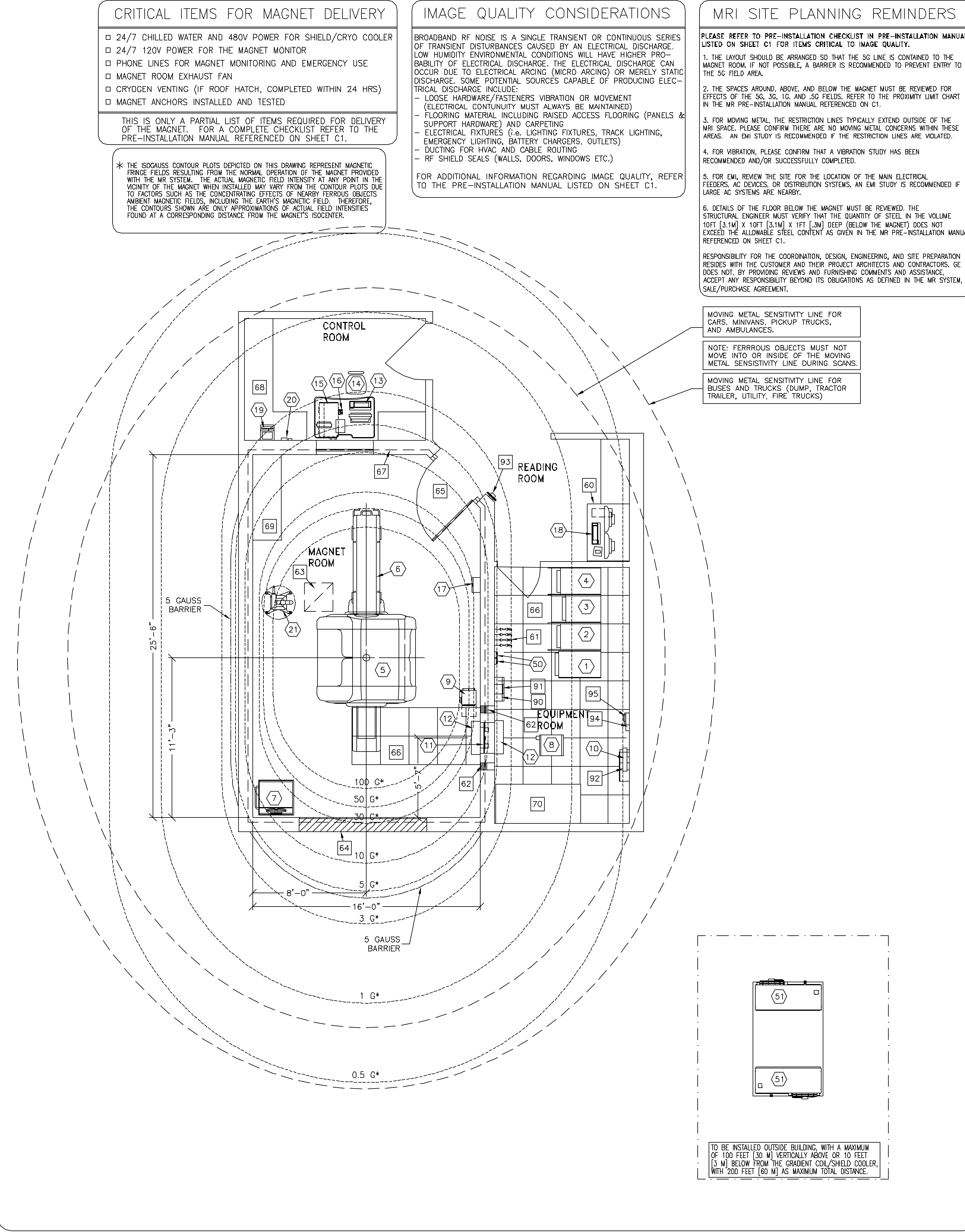
ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN	EQUIPMENT CROSS REFERENCE CHART	
									P = PREAPPROVAL STATUS	C = CALCULATIONS/PENDING APPROVAL SPECIFICATIONS ONLY
1	1		TWINSPEED ACCESSORY CABINET	601 lbs	2354 btu	M3000A		TAC	S	
2	1		RFS CABINET	379 lbs	8641 btu	M0815F		MR2	S	
3	1		NARROW BAND RF AMPLIFIER CABINET	749 lbs	21341 btu	M0915G	M14 15A	MR8	S	
4	1		HFD/PDU CABINET	1805 lbs	34129 btu	M5015D		MR3	S	
5	1		3.0 TESLA LCC ACTIVE SHIELD MAGNET	24808 lbs	8191 btu	M6315 M3300 M33003 M33002 M33003	M66 30	MS1	C	
6	1		PATIENT TRANSPORT TABLE (DOES NOT INCLUDE PATIENT)	279 lbs		M2315			S	
7	1		SPT PHANTOM CABINET	350 lbs		M6115			S	
8	1		SHIELD COOLER CABINET	275 lbs		M1615B		MS5	C	
9	1		BLOWER BOX	19 lbs	1365 btu	M3000F	M30 00G	MG6	S	
10	1		MAGNET MONITOR	22 lbs	204 btu	M1615C		MSM1	C	
11	1		RF PENETRATION PANEL	88 lbs	324 btu	M5615 M5315 M4515B		PP1	S	
12	2		PENETRATION PANEL COVERS			M4715B			S	
13	1		OPERATOR WORKSPACE W/COLOR LED MONITOR			M0516A		DW	S	
14	1		OPERATOR'S CHAIR						C	
15	1		OPERATOR WORKSPACE CABINET	198 lbs		M0615D		PA	S	
16	1		PATIENT ALERT CONTROL BOX			M4815			S	
17	1		MAGNET RUNDOWN UNIT	8 lbs		M1715A		MS4	C	
18	0		ADVANTAGE WORKSTATION WITH TWO LCD MONITORS (OPTION)	81 lbs	1109 btu	M1013AV			S	
19	0		CONTROL ROOM UNIT (OPTION)	15 lbs		E8804S		ICC	S	
20	0		BATTERY CHARGING UNIT (OPTION)	4 lbs		E8804S			S	
21	0		INJECTOR HEAD ON PEDESTAL (OPTION)	59 lbs		E8804S1		IH	S	

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

50	2		REMOTE CONTROL FOR CHILLER SYSTEM	2 lbs		M3088R		RCP	-
51	2		MR COMMON CHILLER SYSTEM	683 lbs		M3088TL		MRCC	-

SCALE: 1/4" = 1'-0" EQUIPMENT LAYOUT RECOMMENDED CEILING HEIGHT = 8'-9"

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	WORKSTATION TABLE
61	VALVES AND HOSE BARBS FOR COOLING SYSTEM
62	RF FILTERS - LOCATE WITHIN 24 IN. [610 MM] OF THE PENETRATION PANEL.
63	MAGNET ROOM EXHAUST FAN
64	MINIMUM 9 FT. -0 IN. [2743 MM] X 9 FT. -0 IN. [2743 MM] REMOVABLE WALL SECTION FOR MAGNET DELIVERY/REMOVAL.
65	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 43 IN. W X 82 IN. H [1092mm X 2083mm]. CONTINUED ON A 96 IN. [2438mm] CORRIDOR WIDTH
66	NON-METAL ACCESS FLOOR WITH 2" X 2" (610 X 610mm) REMOVABLE PANELS WITH 2" DEEP NON-METAL ACCESS FLOORING (PANELS & SUPPORT HARDWARE) REQUIRED WITHIN MAGNET ROOM.
67	RF SCREEN, INCLUSIVE OF WALLS, FLOOR, DOOR, ETC. GROUND IMPEDANCE GREATER THAN 1000 OHMS ATTENUATION 100dB AT 10-150MHZ PLANEWAVE.
68	COUNTERTOP WITH DRAWERS FOR MISCELLANEOUS ITEMS.
69	BASE CABINET FOR STORAGE OF SURFACE COILS, PATIENT POSITIONING PADS, PHANTOMS, ETC.
70	AIR CONDITIONING. (VIBRATION ISOLATION IS RECOMMENDED AT SUPPORTS OF EACH UNIT TO BE INSTALLED.)

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

90	DC LIGHTING AUTO TRANSFORMER 60 lbs [27 kg] (PART OF VARIABLE DIMMER SYSTEM) (CAT. NO. E4502SD/SF INCLUDES BASIC SYSTEM)
91	DC LIGHTING CONTROL PANEL 15 lbs [6.8 kg] (CAT. NO. E4502SC/SE BASIC SYSTEM)
92	MULTIPLEXER BOX (MUX)
93	METAL DETECTOR (HAND HELD)
94	MAGNET MONITOR UPS GE CAT. NO. E4504AG 5 LBS. / 450 BTU
95	MAIN DISCONNECT CONTROL CAT. NO. M3088TM

GENERAL SPECIFICATIONS

- THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL 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: 59-89.6 DEG (F) [15-32 (C)] FOR THE CONTROL AND EQUIPMENT AREAS, 59-69.8 DEG (F) [15-24 (C)] FOR THE MAGNET ROOM; MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 5 DEG (F)/HR [3 (C)/HR]; MAXIMUM ROOM TEMPERATURE GRADIENT 5 DEG (F) [3 (C)].
- HUMIDITY: 30 TO 75 (30-60 FOR THE MAGNET ROOM) PERCENT NON-CONDENSING, MAXIMUM ALLOWABLE CHANGE OF 5 PERCENT/HOUR.
- ALTITUDE: 100 FT [30.5M] BELOW SEA LEVEL TO 11,808 FT. [3600M] ABOVE SEA LEVEL.
- ENVIRONMENTAL RESTRICTIONS ABOVE MUST NOT BE EXCEEDED FOR THE ELECTRONICS.
- DO NOT RESTRICT THE AIR INTAKE OR AIR EXHAUST OF THE SYSTEM COMPONENTS.
- ENVIRONMENTAL CONDITIONS LISTED ABOVE MUST BE MAINTAINED AT ALL TIMES INCLUDING FOR EXAMPLE OVERNIGHT, WEEKENDS, AND HOLIDAYS.
- 24 HOUR POWER AND HVAC MUST BE AVAILABLE UPON MAGNET DELIVERY. [THIS WILL INCLUDE FACILITY CHILLED WATER SUPPLY IF REQUIRED.]
- CRYOGEN VENTING AND EMERGENCY EXHAUST SYSTEMS MUST BE COMPLETED IN THE MAGNET ROOM PRIOR TO DELIVERY.
- FLUORESCENT LIGHTING IS NOT ALLOWED IN THE MAGNET ROOM DUE TO RF NOISE.

MAGNETIC INTERFERENCE SPECIFICATIONS

- THE CUSTOMER MUST ESTABLISH PROTOCOLS TO PREVENT PERSONS WITH CARDIAC PACEMAKERS, NEUROSTIMULATORS, AND BIOSTIMULATION DEVICES FROM ENTERING MAGNETIC FIELDS OF GREATER THAN 5 GAUSS (EXCLUSION ZONE).
- MAIN POWER TRANSFORMERS MUST REMAIN OUTSIDE THE 3 GAUSS FIELD. EMI < 17.1mG AC. EMI < 4.1mG DC.
- POTENTIAL EXISTS UNDER FAULT CONDITIONS THAT THE 5 GAUSS LINE MAY EXPAND AXIALLY TO 24.61 FT. [7.5 m] AND RADIALLY TO 19.68' FT. [6.0 m] FOR 100 SECONDS OR LESS. IT SHOULD BE NOTED THAT NORMAL RAMPDOWNS WILL NOT CAUSE THE MAGNETIC FIELD TO EXPAND.
- IT IS RECOMMENDED EVERY SITE CONSIDER THE EVENT OF A QUENCH AND PLAN ACCORDINGLY (SUCH AS PLACING 5 GAUSS WARNING SIGNS AT EXPANDED LOCATIONS).
- THE FERROUS METAL OBJECTS LISTED BELOW MUST NOT MOVE INTO OR INSIDE OF THE MOVING METAL SENSITIVITY LINE DURING SCANS.

TYPICAL MOVING MAGNETIC MASS	DISTANCE RADIALY	DISTANCE AXIALLY
FORKLIFTS, SMALL ELEVATOR, CARS, MINIVANS VANS, PICKUP TRUCKS, AMBULANCES (OBJECTS GREATER THAN 400 LBS [182 kg])	21.0 ft. [6.4 m]	26.0 ft. [7.92 M]
BUSES AND TRUCKS (DUMP, TRACTOR TRAILER, UTILITY, FIRE TRUCKS)	24.5 ft. [7.47 m]	30.3 ft. [9.25 M]

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

GE Healthcare Technologies
Installation Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: 3.0T SIGNA EXCITE HD

THIS PLAN IS SUBMITTED TO SUBMIT 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 ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS. GEHC DOES NOT ACCEPT ANY LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
8-194F
TYPICAL LAYOUT

This drawing is based on Sketch No.: B-194

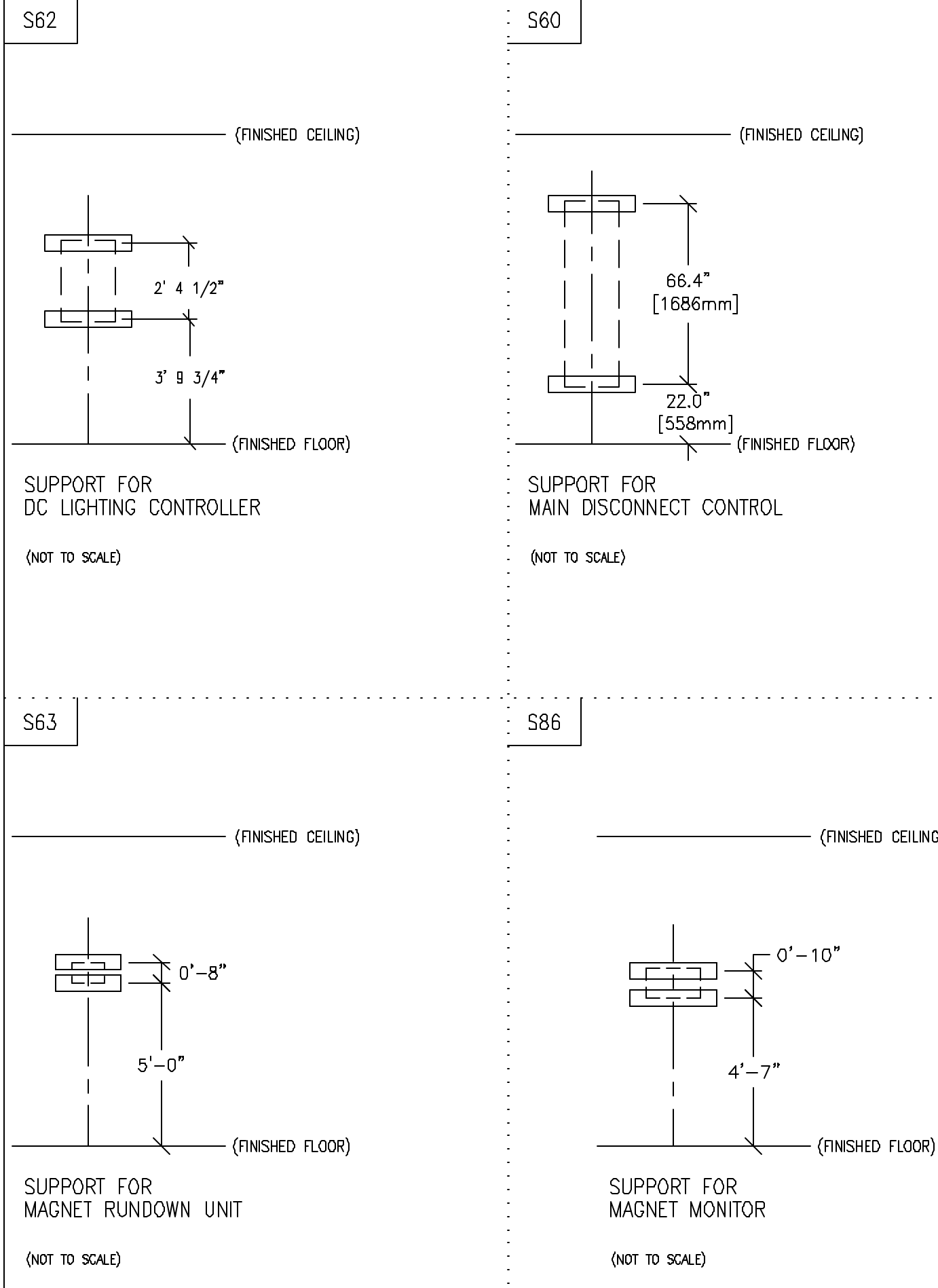
PROJECT	REVISION
8-194F	01

DATE: 10-19-07
DRAWN BY: SDB
CHECKED BY: PMM

REVISION HISTORY:

SHEET
A1

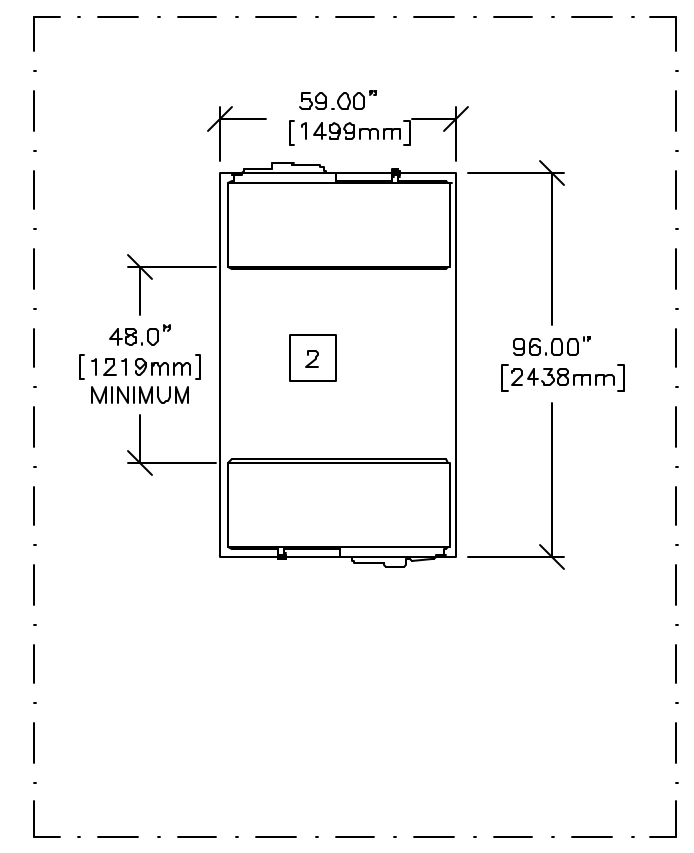
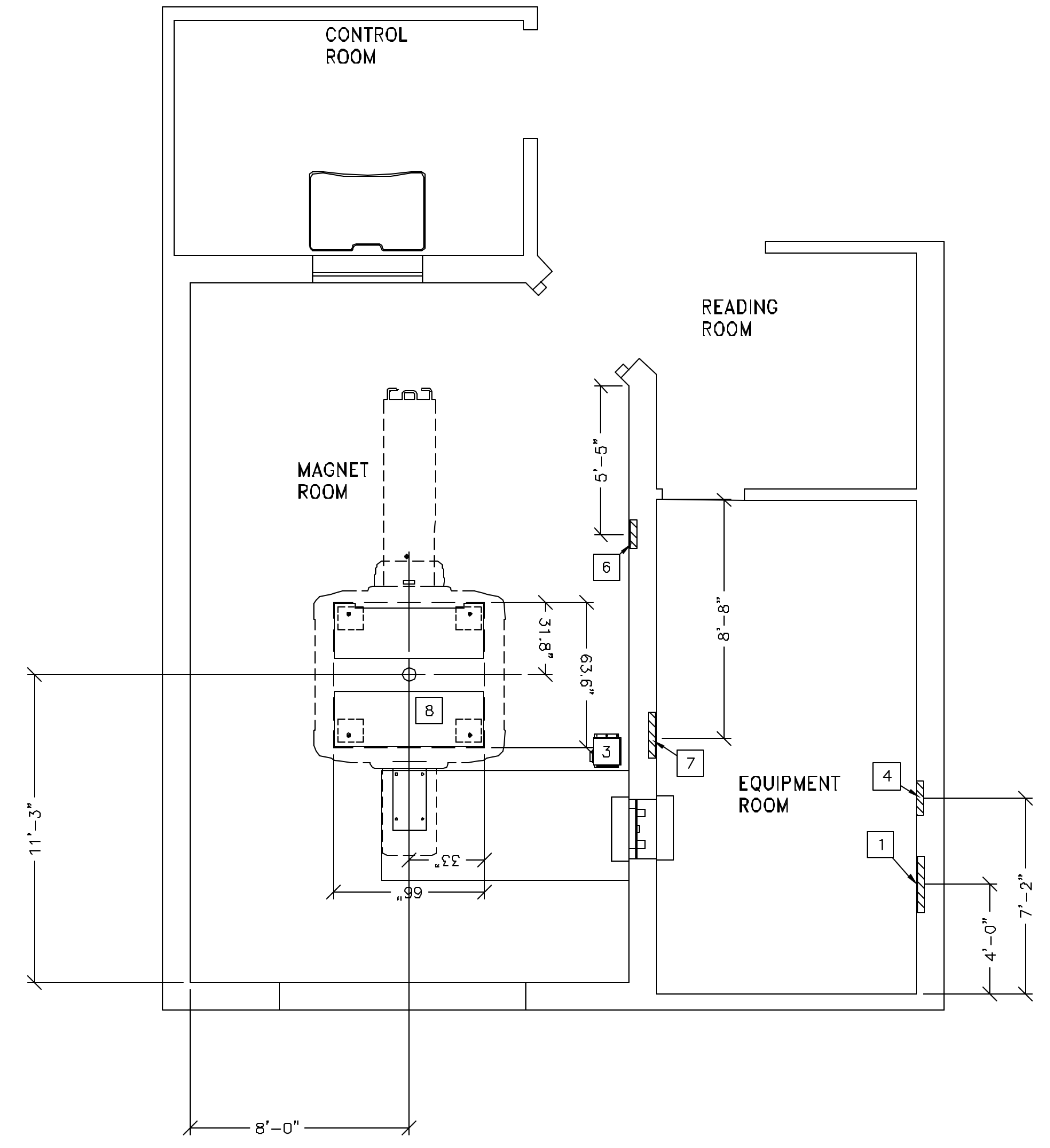
TYPICAL WALL SUPPORT ELEVATIONS



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

STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 18'-9"



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 S62, FOR DC LIGHTING CONTROL.
2	96 IN. (2438 MM) X 59 IN. (1500 MM) CONCRETE PAD WITH A MINIMUM 4 IN. (100 MM) DEPTH AND 2500 PSI IS REQUIRED FOR GROUND LEVEL INSTALLATION. ADDITIONAL CONCRETE DEPTH MAY BE REQUIRED BY LOCAL CODES. THE UNIT MAY ALSO BE ROOF MOUNTED. UNIT MUST BE MOUNTED ON A LEVEL AREA WITH A MAXIMUM DEVIATION ON THE LEVELNESS OF 3/8" OVER 10 FEET (10MM OVER 3050MM). FOR BOLT MOUNTING LOCATIONS SEE DETAIL M30-88S
3	FLOOR MOUNTING AREA FOR BLOWER BOX. SEE DETAIL M30-00G ON SHEET S2.
4	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S60, FOR MAIN DISCONNECT CONTROL.
5	SEE DETAIL M08-15F ON SHEET S2 FOR FLOOR MOUNTING OF OPERATOR WORKSPACE.
6	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S63, FOR MAGNET RUNDOWN UNIT.
7	SUPPORT BACKING, LOCATE AS SHOWN, REFER TO ELEVATION DETAIL S66, FOR MAGNET MONITOR.
8	LEVELING AREA FOR MAGNET AND TABLE SEE DETAILS M66-30 AND M66-30A ON SHEET S2.

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.
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.
- CERTAIN MR PROCEDURES REQUIRE AN EXTREMELY STABLE ENVIRONMENT TO ACHIEVE HIGH RESOLUTION IMAGE QUALITY. VIBRATION IS KNOWN TO INTRODUCE FIELD INSTABILITIES INTO THE IMAGING SYSTEM. THE VIBRATION EFFECTS ON IMAGE QUALITY CAN BE MINIMIZED DURING THE INITIAL SITE PLANNING OF THE MR SITE BY MINIMIZING THE VIBRATION ENVIRONMENT. SEE MOUNTING DETAIL ON SHEET S2 FOR ADDITIONAL INFORMATION.
- STANDARD STEEL STUDS, NAILS, SCREWS, CONDUIT, PIPING, DRAINS AND OTHER HARDWARE ARE ACCEPTABLE IF PROPERLY SECURED. ANY LOOSE STEEL OBJECTS CAN BE VIOLENTLY ACCELERATED INTO THE BORE OF THE MAGNET. CAREFUL THOUGHT SHOULD BE GIVEN TO THE SELECTION OF LIGHT FIXTURES, CABINETS, WALL DECORATIONS, ETC. TO MINIMIZE THIS POTENTIAL HAZARD. FOR SAFETY, ALL REMOVABLE ITEMS WITHIN THE MAGNET ROOM SUCH AS FAUCET HANDLES, DRAIN COVERS, SWITCH BOX COVER PLATES, LIGHT FIXTURE COMPONENTS, MOUNTING SCREWS, ETC. MUST BE NON-MAGNETIC. IF YOU HAVE A SPECIFIC QUESTION ABOUT MATERIAL, BRING IT TO THE ATTENTION OF YOUR GE INSTALLATION SPECIALIST.
- FLOOR LEVELNESS IN THE MAGNET ROOM SHOULD NOT EXCEED 0.3125 in. (8 mm) WHEN MEASURING BETWEEN DEPRESSIONS AND HIGH SPOTS OVER ANY 120 in. (3048 mm) DISTANCE WITHIN THE 87.5 in. (2178 mm) BY 139.3 in. (3539 mm) AREA OF THE MAGNET ENCLOSURE AND THE AREA IN FRONT OF THE ENCLOSURE. THIS FLOOR LEVELNESS REQUIREMENT IS IMPORTANT FOR ACCURATE PATIENT TABLE DOCKING.
- NON-MOVABLE STEEL SUCH AS WALL STUDS OR HVAC COMPONENTS WILL PRODUCE NEGLIGIBLE EFFECT ON THE ACTIVE SHIELD MAGNET.
- 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.

GE Healthcare Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: STRUCTURAL LAYOUT
 MODALITY TYPE: 3.0T SIGNA EXCITE HD

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 RECOMMENDATIONS. HOWEVER, IT MAY BE USED FOR INSTALLATION PURPOSES AND THE USER SHALL BE RESPONSIBLE FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
8-194F
 TYPICAL LAYOUT

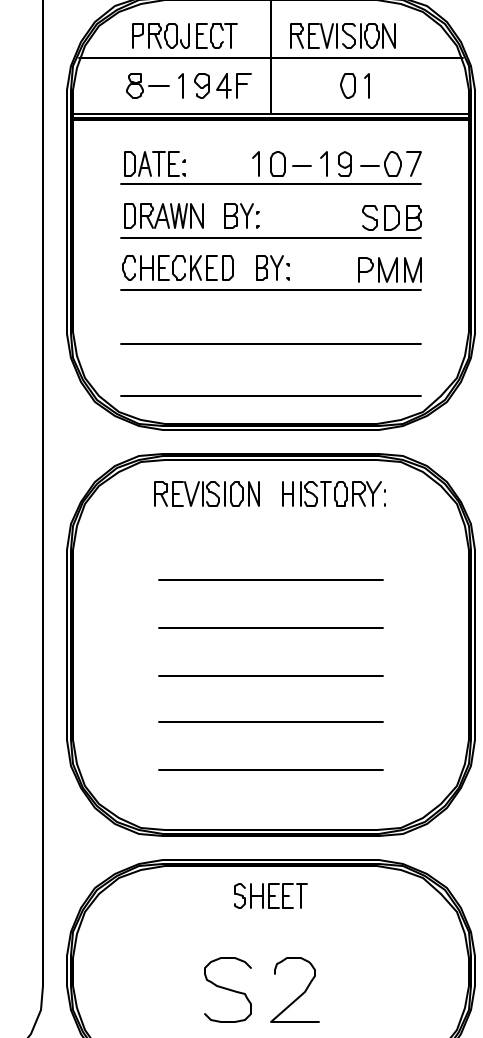
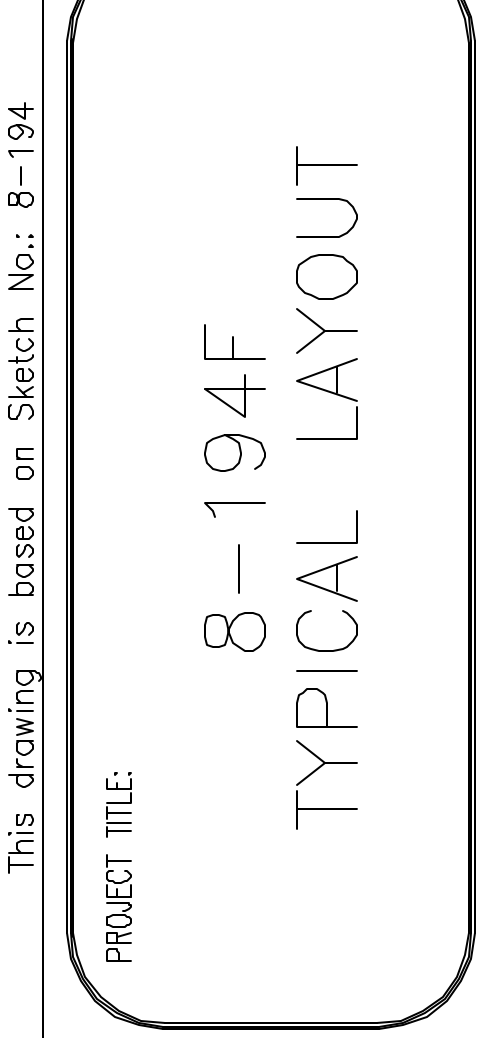
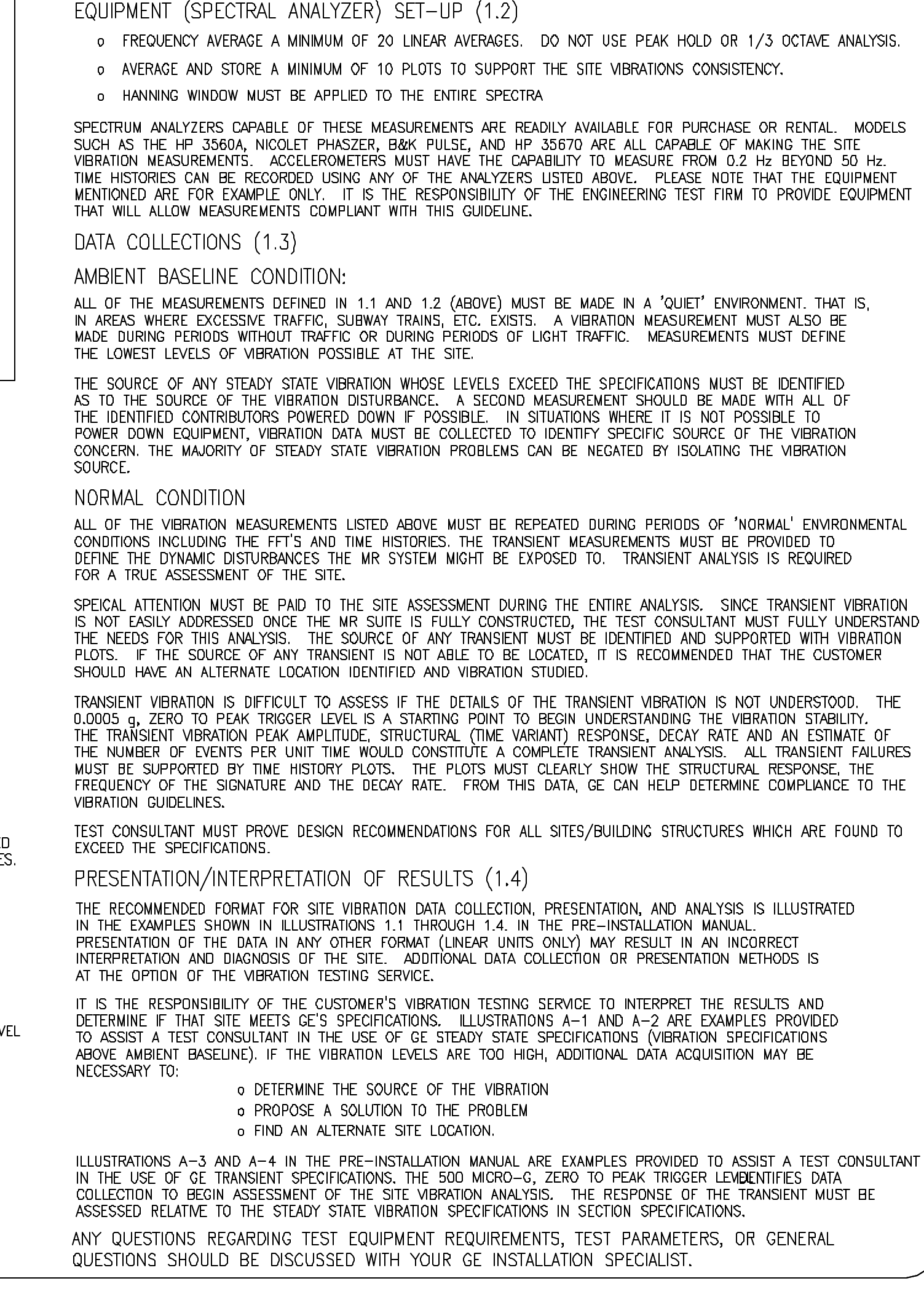
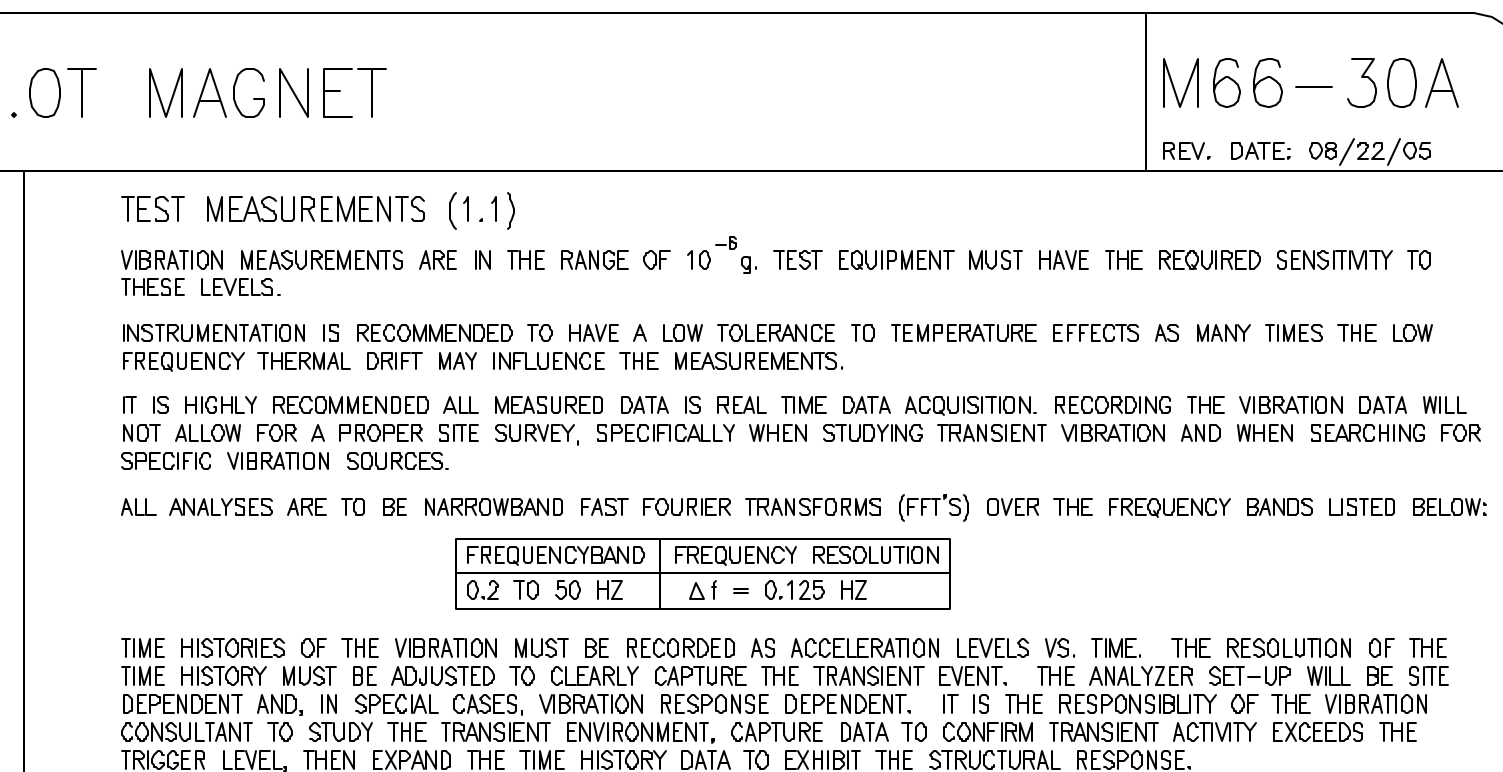
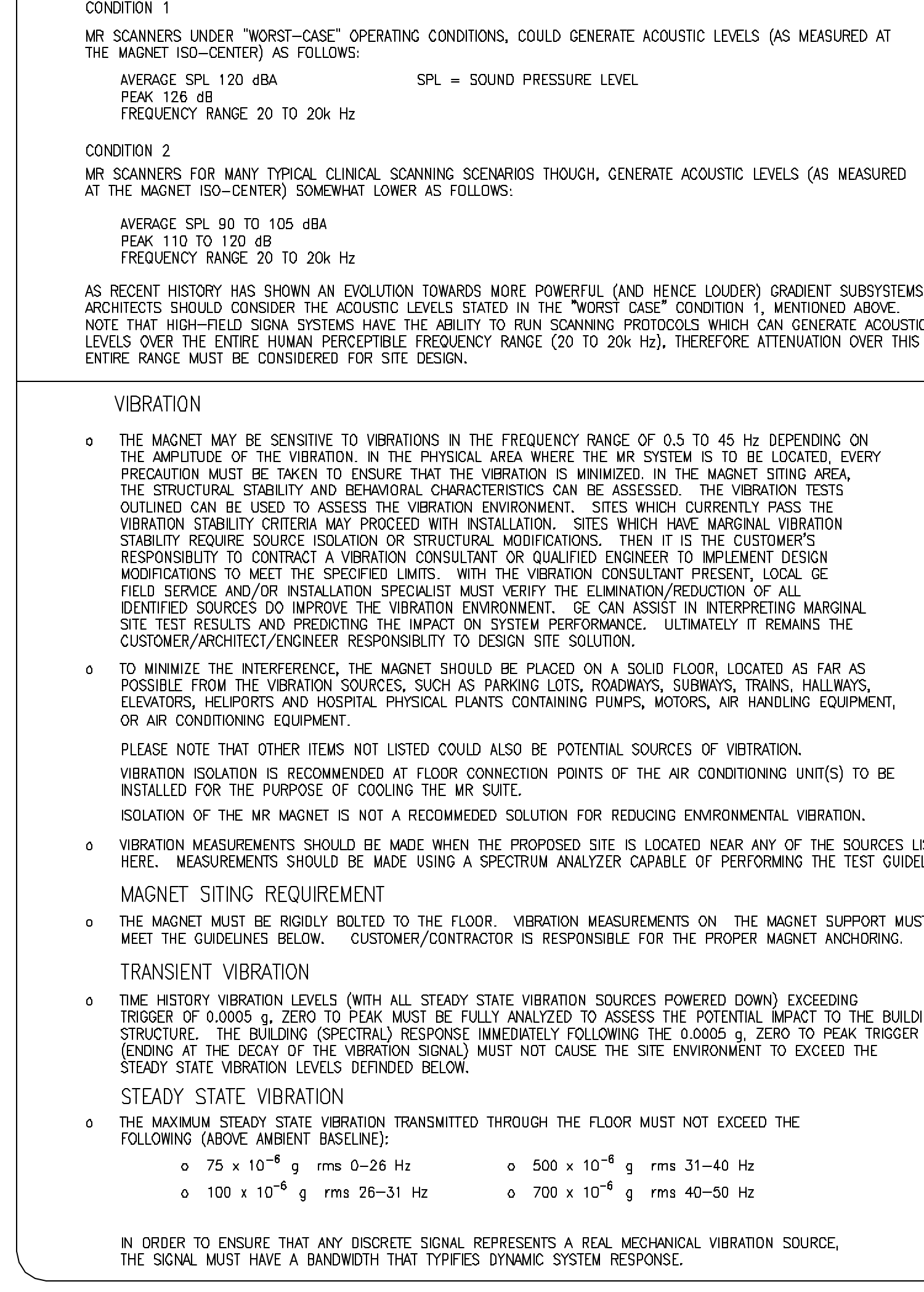
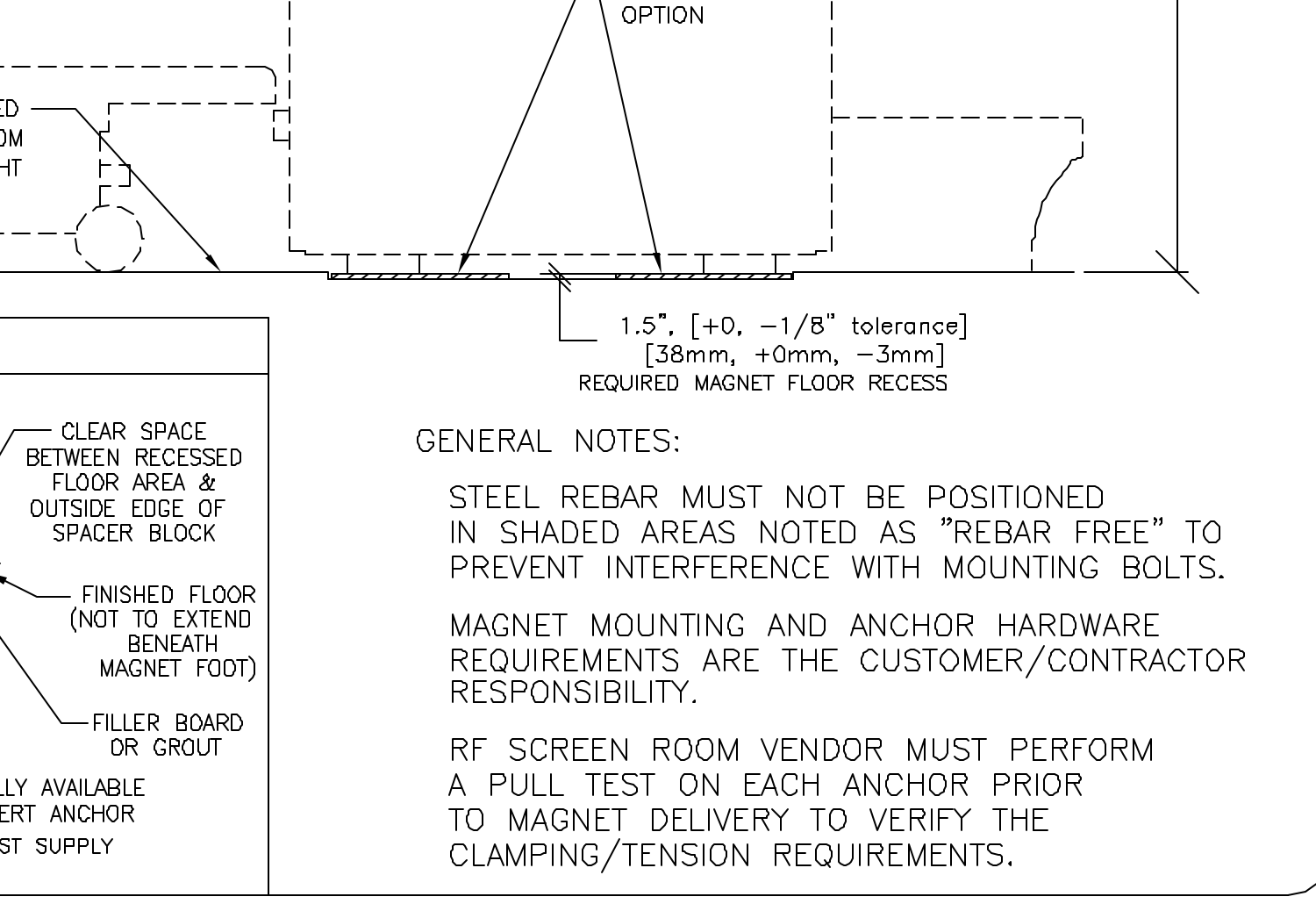
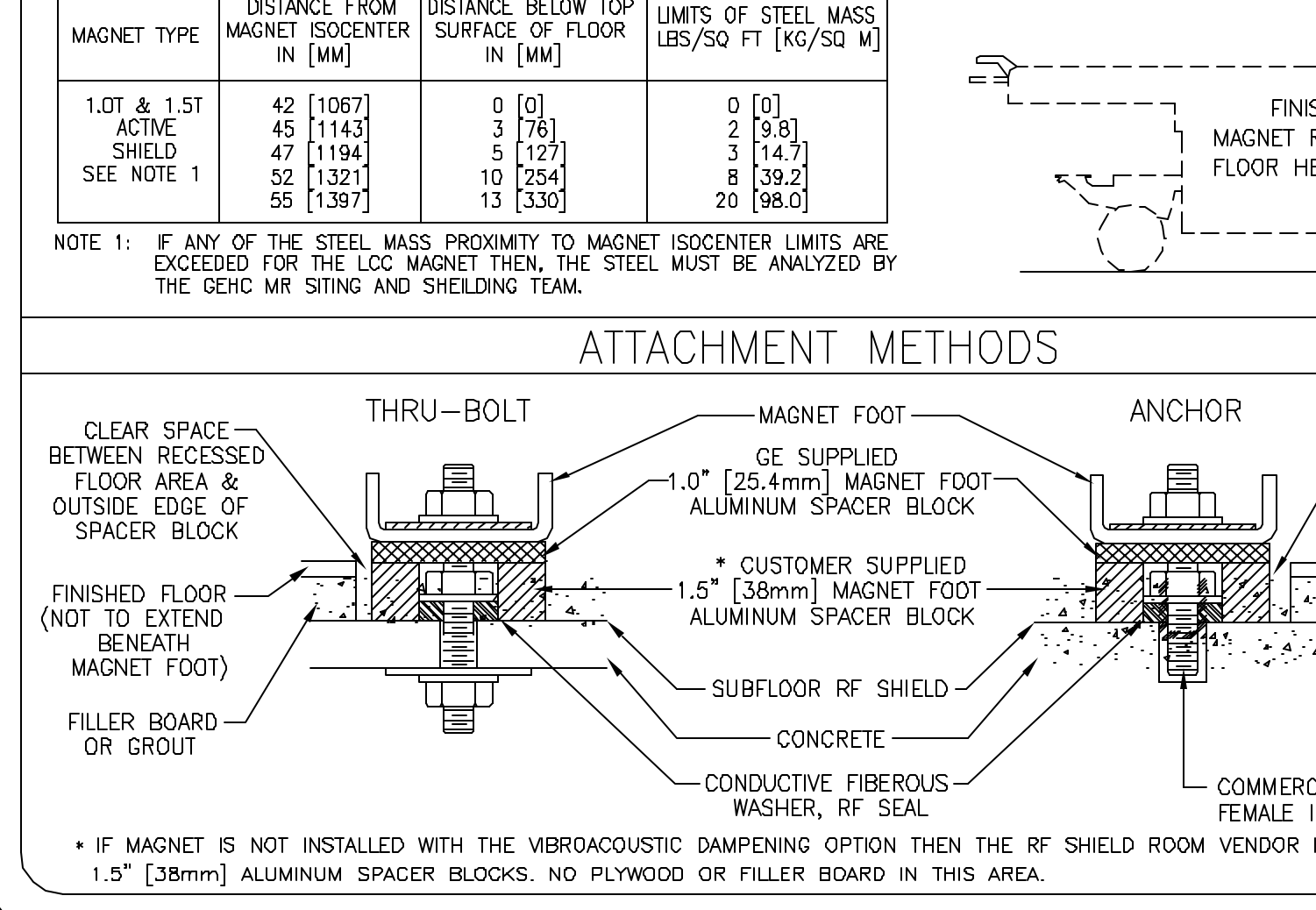
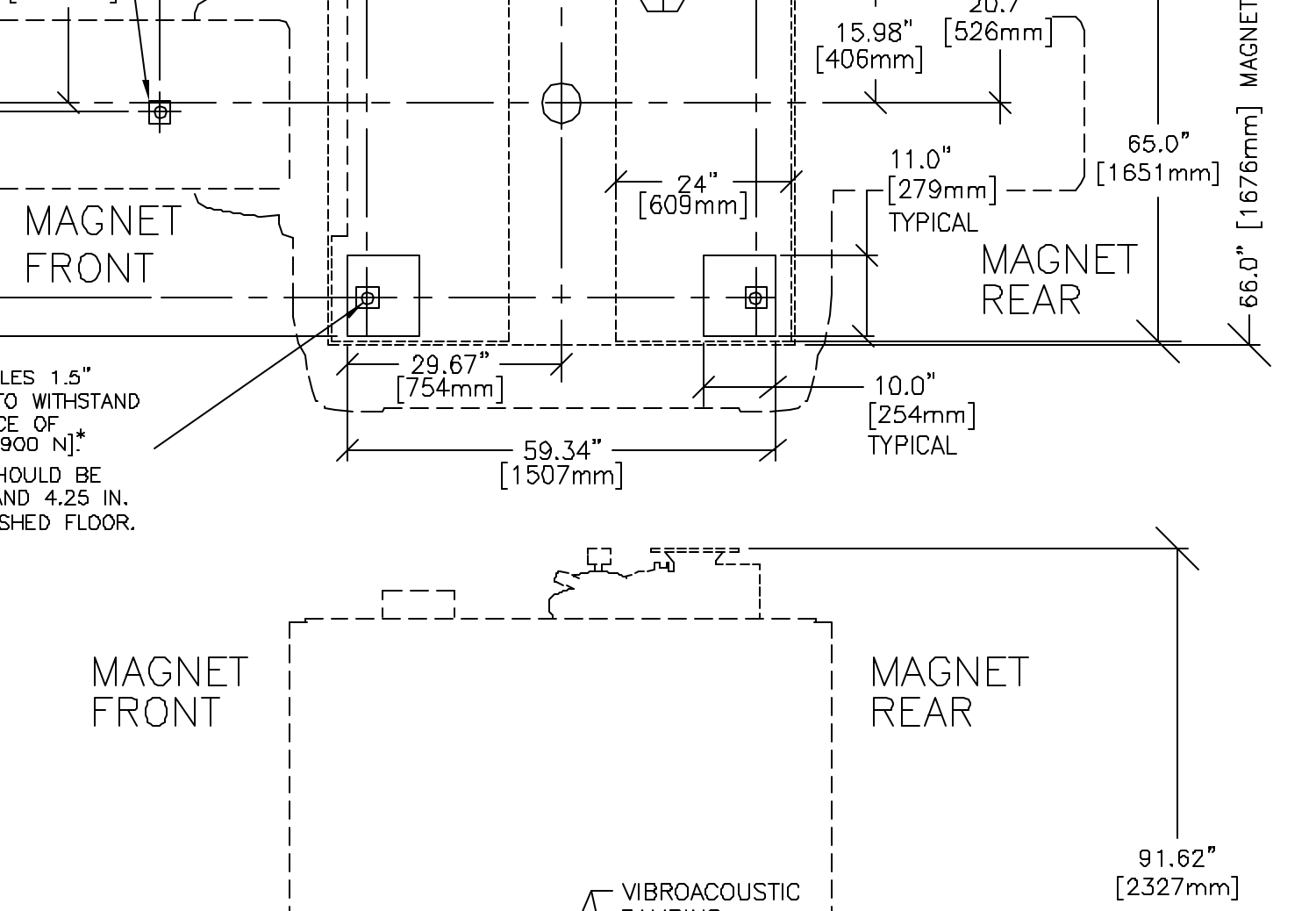
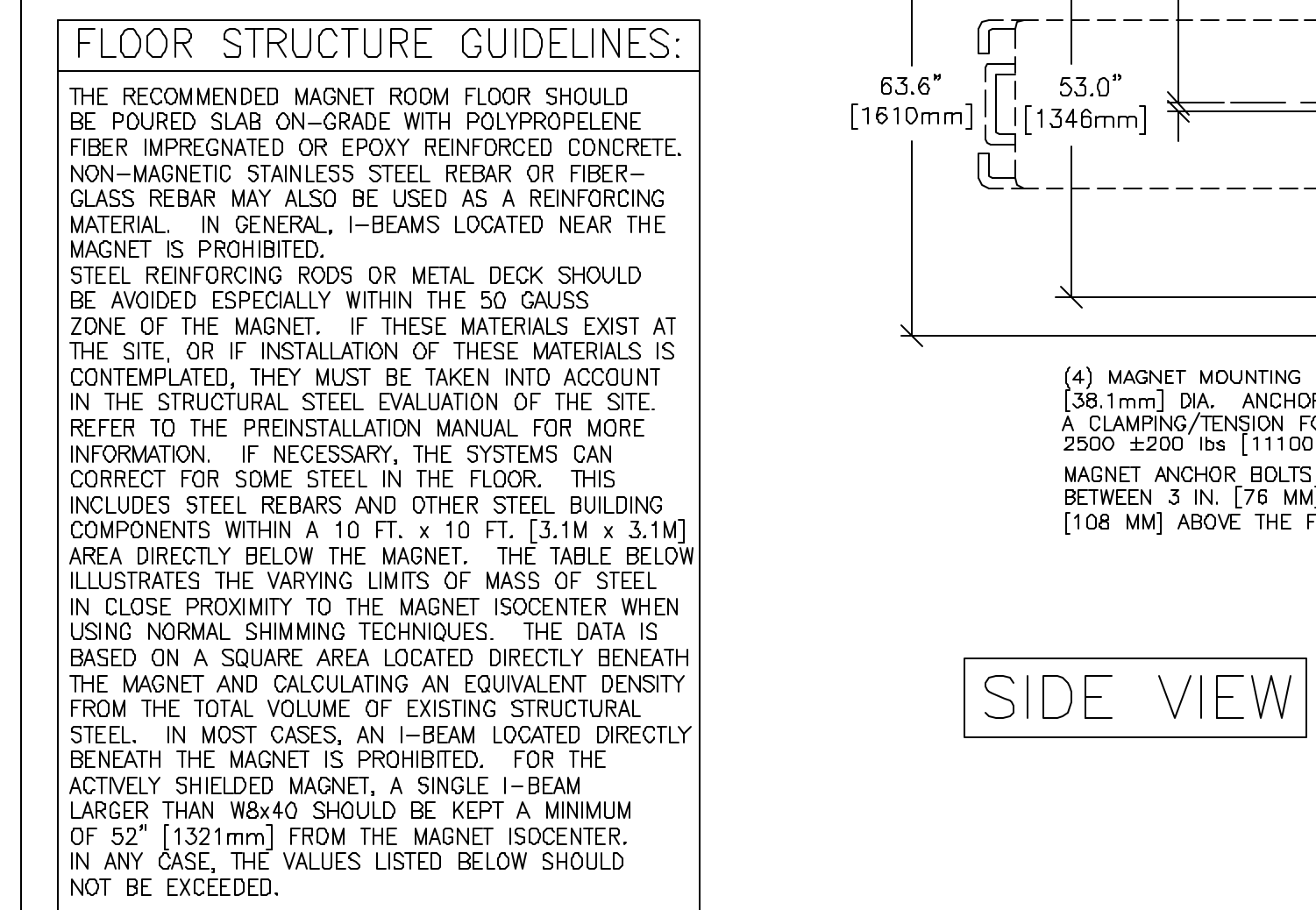
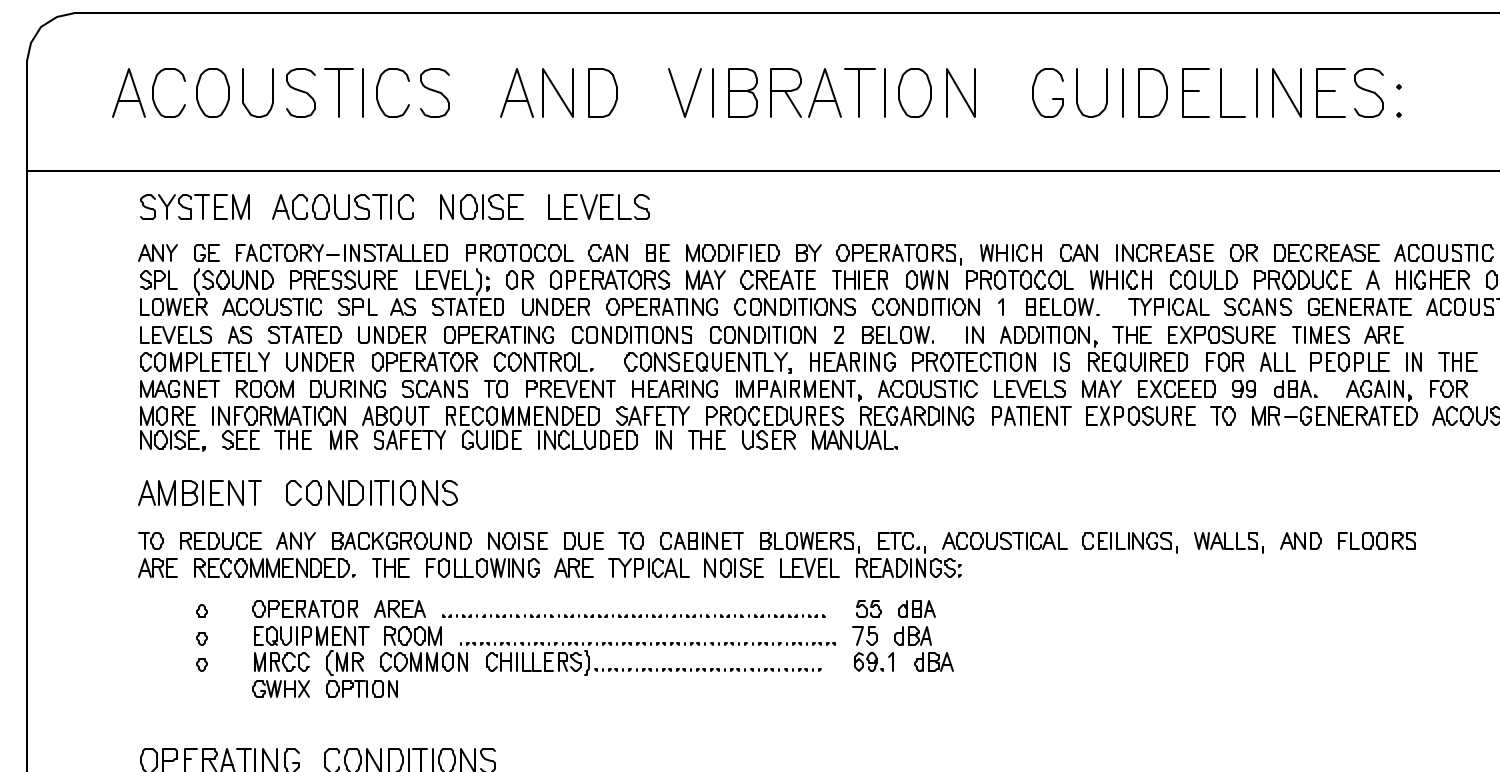
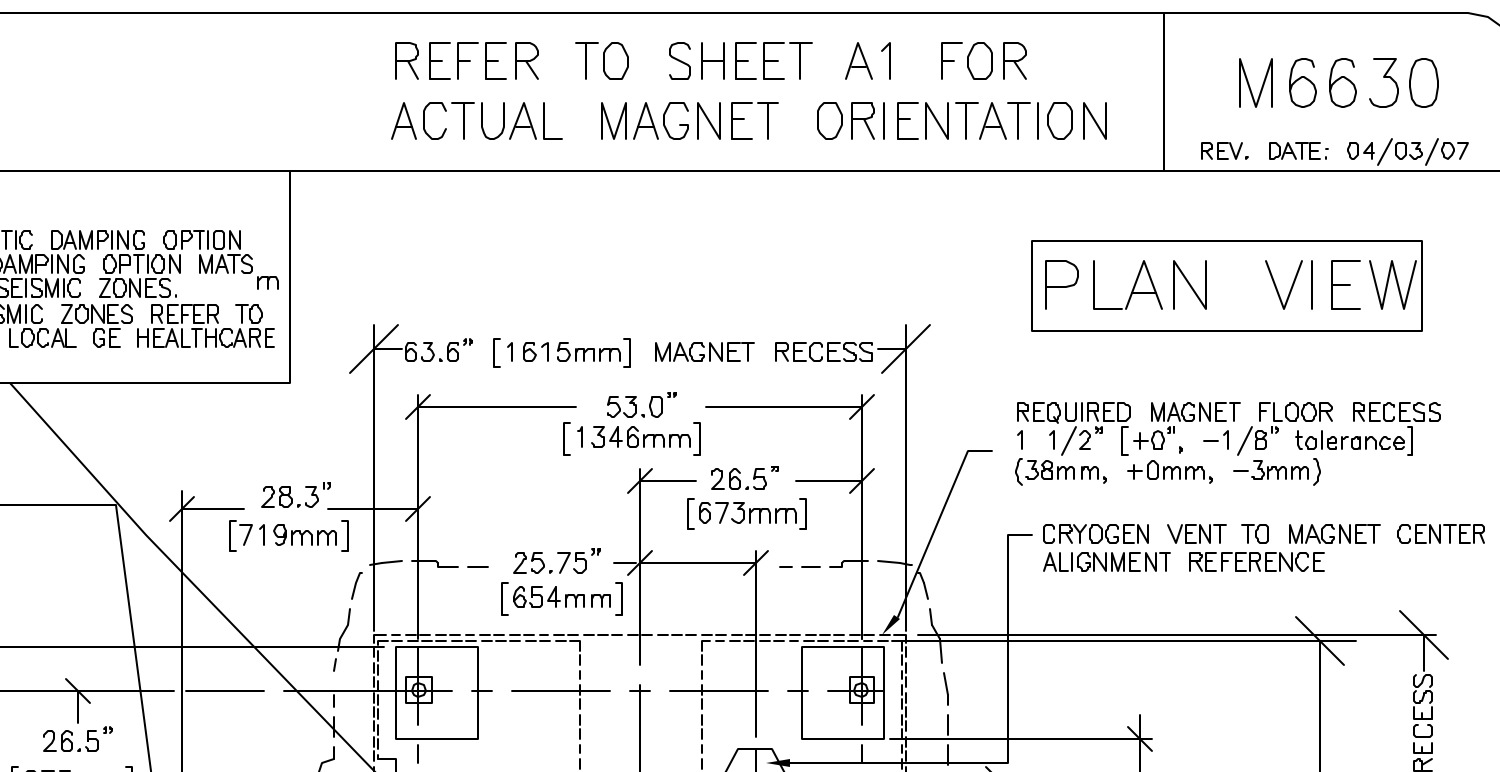
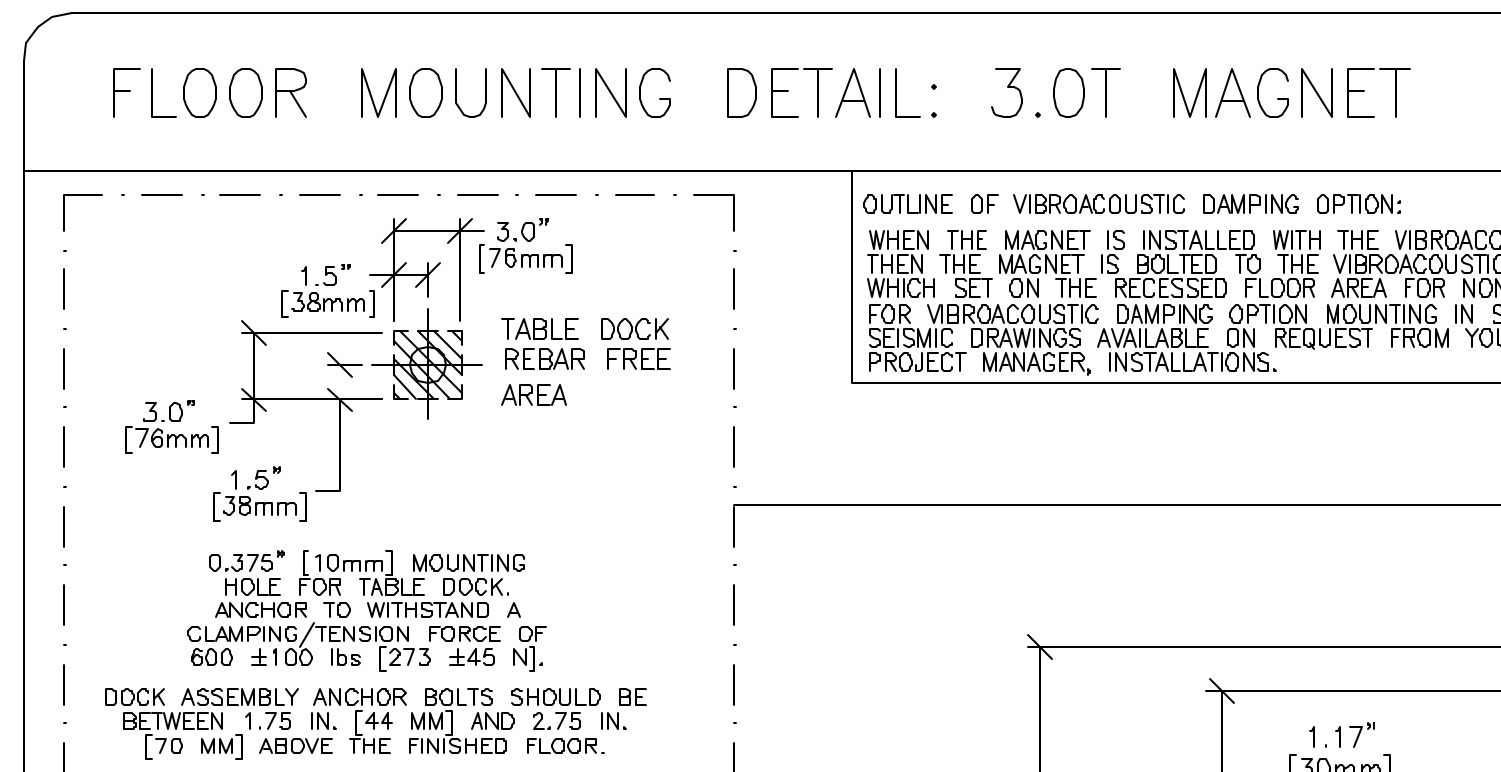
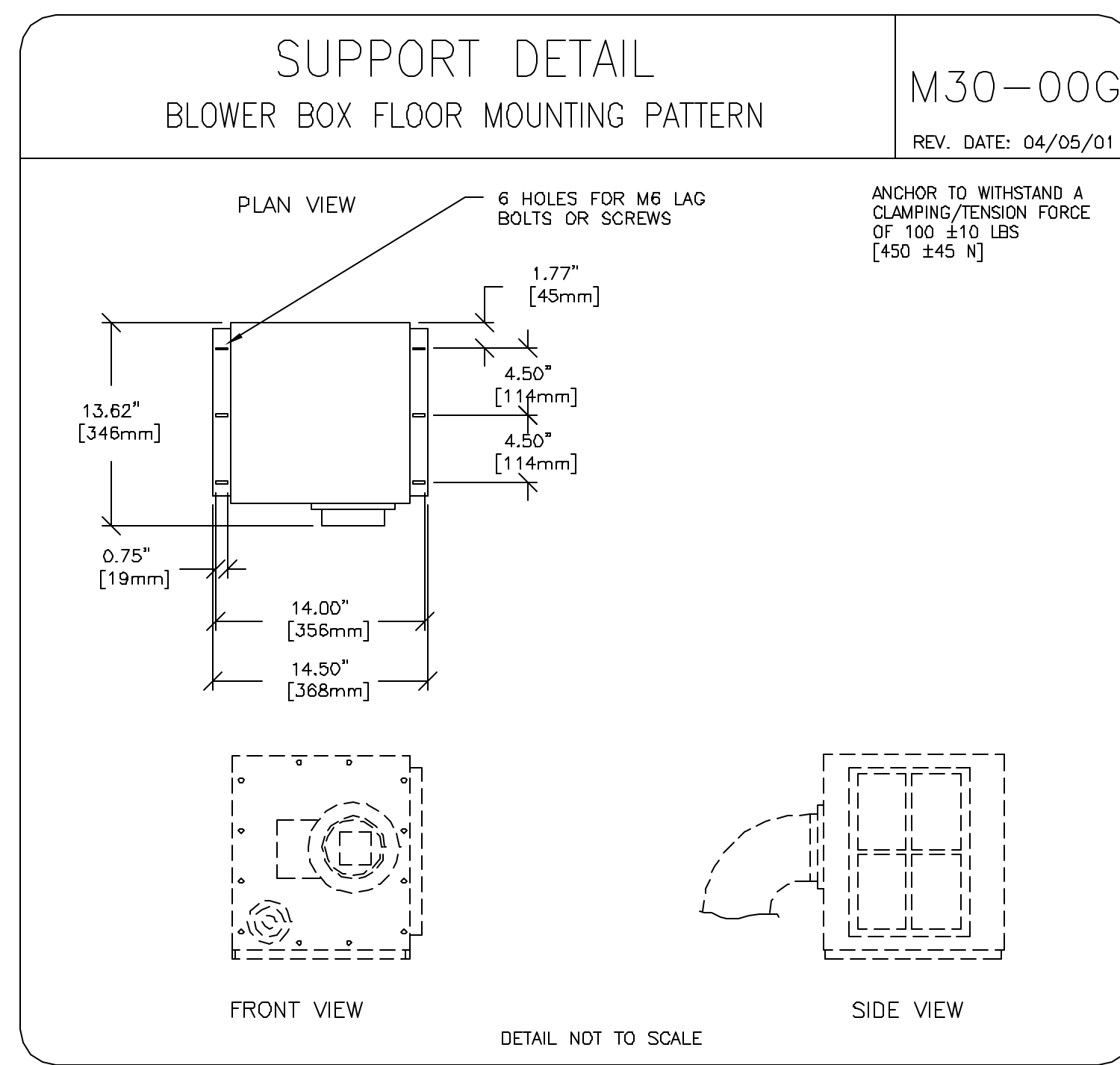
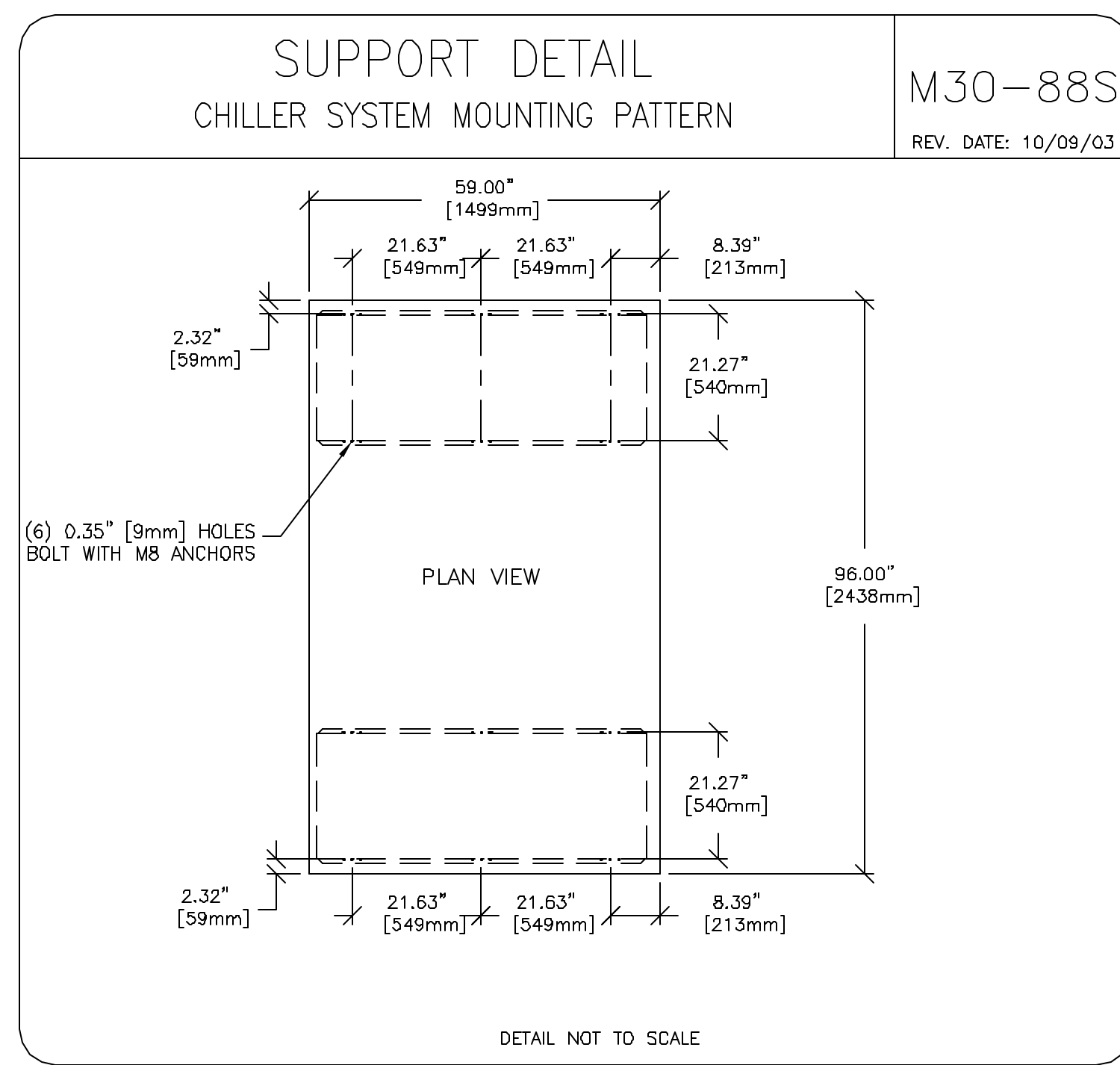
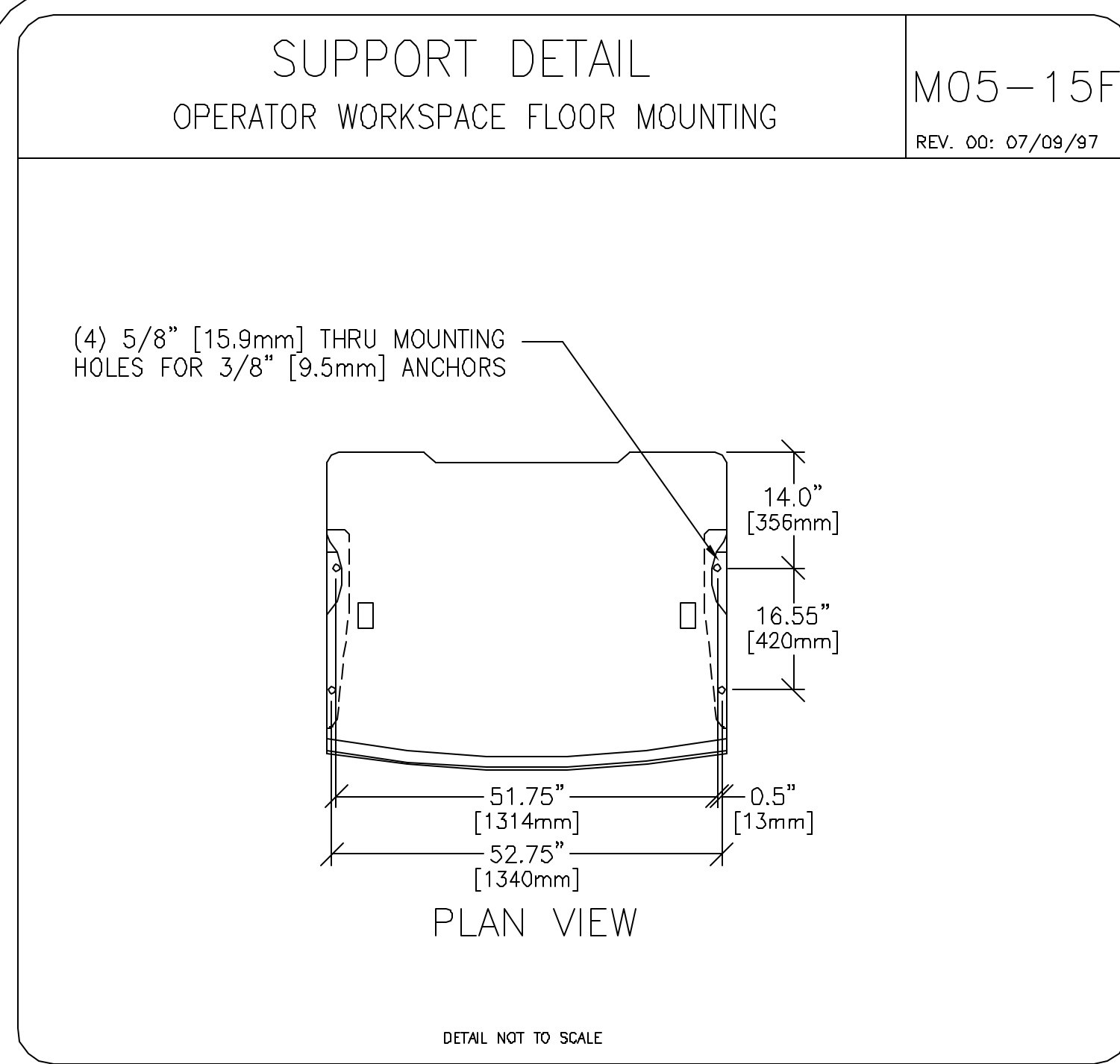
PROJECT	REVISION
8-194F	01

DATE: 10-19-07
 DRAWN BY: SDB
 CHECKED BY: PMM

REVISION HISTORY:

SHEET
S1

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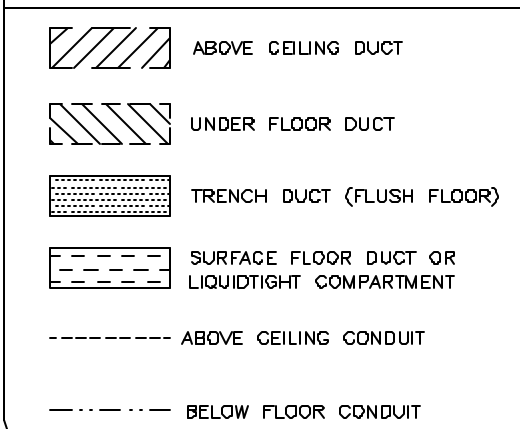


SCALE: 1/4" = 1'-0"

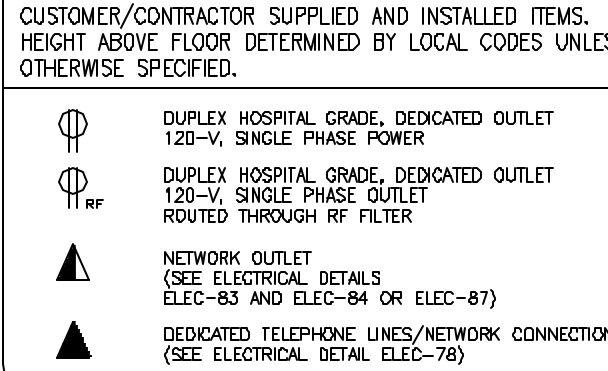
ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 18'-0"

DUCT HATCHING LEGEND



ELECTRICAL OUTLET LEGEND



FEEDER TABLE - SIGNA TWINSPEED

o CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
o RECOMMENDED FEEDER SIZES FROM DIST. TRANS. TO MCC. ALL CALCULATIONS BASED UPON A 20 FT. (6.1m) RUN FROM MCC TO PD USING NO.2 AWG (56 SQ mm).
o THE GROUNDING CONDUCTOR WILL BE THE SAME SIZE AS POWER FEEDER AND SHALL BE COPPER AND WILL RUN IN THE SAME CONDUIT AS THE FEEDERS FROM EQUIPMENT BACK TO THE ROOM POWER SOURCE GROUNDING POINT.
o IF THE GENERAL ELECTRIC EQUIPMENT IS BEING FED BY A DELTA SECONDARY, IT IS RECOMMENDED THAT THE B PHASE ON THE SECONDARY BE CONNECTED TO GROUND TO PREVENT DAMAGE TO THE SYSTEM.
o NEUTRAL MUST BE TERMINATED PRIOR TO OR INSIDE THE MAIN DISCONNECT PANEL AND NOT BROUGHT INTO THE PD CABINET.
o FOR A FULL SYSTEM UPS REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.
o THE MAXIMUM POWER DEMAND FOR THE OUTDOOR MRCC WAS USED FOR THESE CALCULATIONS. IF SO DESIRED THE CUSTOMERS CONTRACTOR CAN DETERMINE EXACT SIZES BASED UPON MAXIMUM DEMAND FOR THE COOLING SYSTEM TO BE INSTALLED FROM THE TABLE IN POWER SPECIFICATIONS.

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE			
	342-418 360	360-440 400	374-456 412	432-528 480
100	1/0	1/0	1/0	1/0
150	1/0	1/0	1/0	1/0
200	1/0	1/0	1/0	1/0
250	3/0	2/0	2/0	1/0
300	3/0	3/0	3/0	2/0
350	4/0	4/0	4/0	3/0
400	300M	290M	260M	4/0
450	300M	300M	300M	4/0

REV. DATE: 02/26/06

JUNCTION POINT NOTES

- o ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, 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. NO ALUMINUM OR SOLID WIRES.
- o ALL WIRING MUST BE THIN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT UNLESS OTHERWISE STATED.
- o GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

ADDITIONAL CONDUIT RUNS (CONTRACTOR SUPPLIED AND INSTALLED)

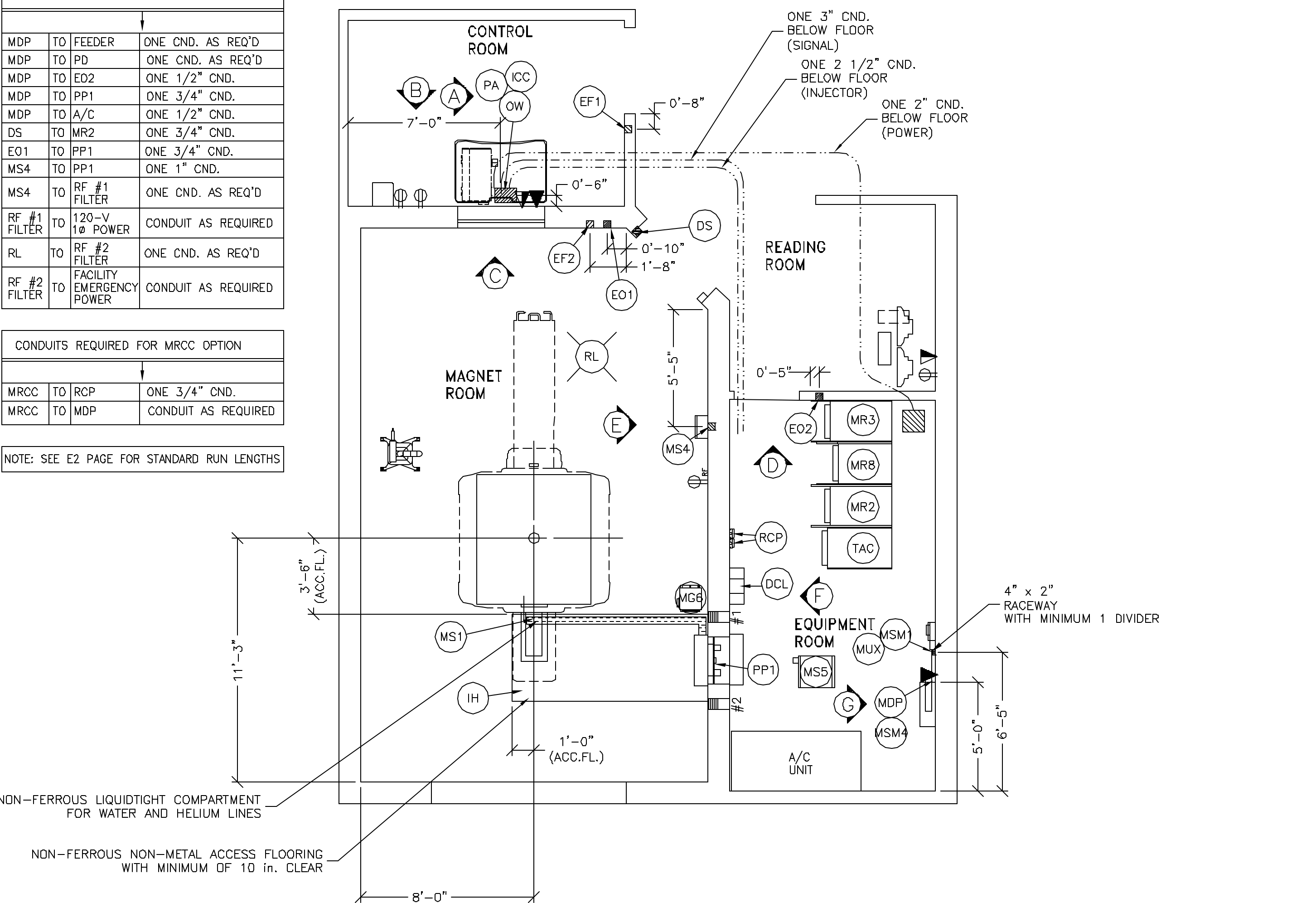
CONDUITS REQUIRED FOR BASE SYSTEM

TO	FEEDER	ONE CND. AS REQ'D
MDP	TO FEEDER	ONE CND. AS REQ'D
MDP	TO PD	ONE CND. AS REQ'D
MDP	TO E02	ONE 1/2" CND.
MDP	TO PP1	ONE 3/4" CND.
MDP	TO A/C	ONE 1/2" CND.
DS	TO MR2	ONE 3/4" CND.
E01	TO PP1	ONE 3/4" CND.
MS4	TO PP1	ONE 1" CND.
MS4	TO RF #1 FILTER	ONE CND. AS REQ'D
RF #1 FILTER	TO 120-V 1P POWER	CONDUIT AS REQUIRED
RL	TO RF #2 FILTER	ONE CND. AS REQ'D
RF #2 FILTER	TO FACILITY EMERGENCY POWER	CONDUIT AS REQUIRED

CONDUITS REQUIRED FOR MRCC OPTION

MRCC	TO RCP	ONE 3/4" CND.
MRCC	TO MDP	CONDUIT AS REQUIRED

NOTE: SEE E2 PAGE FOR STANDARD RUN LENGTHS



NON-FERROUS LIQUIDTIGHT COMPARTMENT FOR WATER AND HELIUM LINES

NON-FERROUS NON-METAL ACCESS FLOORING WITH MINIMUM OF 10 in. CLEAR

NON-FERROUS LIQUIDTIGHT COMPARTMENT FOR WATER AND HELIUM LINES

NON-FERROUS NON-METAL ACCESS FLOORING WITH MINIMUM OF 10 in. CLEAR

4" x 2" RACEWAY WITH MINIMUM 1 DIVIDER

ACCESS FLOORING WITH MINIMUM OF 10 in. CLEAR

JUNCTION POINT DESCRIPTIONS

POINT	DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SHT. E3
DCL	DC LIGHTING	1	SEE DETAILS	ELEC-S1
		1	MAXIMIZABLE FRDM	ELEC-S4
		1	GENSG, CALL	
		1	BOSS-8-10	
		1	DR LOCAL GE INSTALLATION	
		1	PROJECT MGR.	
DS	RF DOOR SWITCH	1	SINGLE GANG BOX	
		1	RF DOOR SWITCH RATED FOR 24 VOLTS AND 750 MILLIAMPERES, NORMALLY OPEN (OFF) WHEN DOOR IS OPEN	
EF1	RF EXHAUST FAN SWITCH	1	COVERPLATE	ELEC-S5
		1	SINGLE POLE SWITCH	
EF2	RF EXHAUST FAN SWITCH	1	COVERPLATE	ELEC-S5
		1	SINGLE GANG BOX	
E01	EMERGENCY OFF BUTTON	1	SINGLE GANG BOX	ELEC-16
E02	EMERGENCY OFF BUTTON	1	SINGLE GANG BOX	ELEC-16
ICC	INJECTOR DISPLAY	1	SAME ROUTING AS DW	
IH	INJECTOR HEAD	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN ACCESS FLOOR OR DUCT	ELEC-10
		1	12 X 6 IN. GROMMET MATERIAL FOR OPENING IN DUCT OR ACCESS FLOOR	ELEC-128
		1	PANEL - INCLUDED IN ORDER	ELEC-107
MDP	MAIN DISCONNECT	1	12 IN. GROMMET MATERIAL FOR OPENING IN DUCT OR ACCESS FLOOR	ELEC-10
		1	12 X 6 IN. GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN ACCESS FLOOR	ELEC-128
MG6	BLOWER BOX	1	12 IN. OF GROMMET MATERIAL FOR A 3 X 3 IN. OPENING IN ACCESS FLOOR	ELEC-10
MR2	RFS CABINET	1	28 IN. OF GROMMET MATERIAL FOR ONE 10 X 4 IN. OPENING IN ACCESS FLR.	ELEC-10
MR3	HFD/PDU CABINET	1	SPLIT COVERPLATE	ELEC-10
		1	1 1/2 IN. DIA. CHASE NIPPLE	
		1	12 X 12 X 6 IN. BOX	
		1	28 IN. OF GROMMET MATERIAL FOR A 16 X 10 IN. OPENING IN ACCESS FLR.	
MR8	NARROW BAND RF AMPLIFIER CABINET	1	28 IN. OF GROMMET MATERIAL FOR A 10 X 4 IN. OPENING IN ACCESS FLR.	ELEC-10
MRCC	COOLING SYSTEM	1	COVERPLATE	ELEC-8
		1	6 X 6 X 4 IN. BOX	
		1	10 FT. LENGTH OF 3/4 IN. DIA. FLEXIBLE METAL CONDUIT	
		1	1 1/2 IN. DIA. BUSHING & LOCKNUT	
		1	3/4 IN. DIA. BUSHING & LOCKNUT	
		1	SAFETY SWITCH (IF REQUIRED)	
MS1	MAGNET	1	28 IN. OF GROMMET MATERIAL FOR A 12 X 6 IN. AND A 17 X 6 IN. OPENINGS IN ACCESS FLOOR	ELEC-63
		1	28 X 6 IN. GROMMET MATERIAL FOR A 12 X 6 IN. OPENING IN ACCESS FLOOR	ELEC-86
MS4	MAGNET RUNDOWN UNIT	1	COVERPLATE	ELEC-8
		1	4 X 4 X 4 IN. BOX	
		1	1 IN. DIA. CHASE NIPPLE	
MS5	SHIELD COOLER CABINET	1	28 IN. OF GROMMET MATERIAL FOR AN 8 X 8 IN. OPENING IN ACCESS FLOOR	ELEC-10
MSM1	MAGNET MONITOR	1	FITTINGS AS REQUIRED	ELEC-78
MSM4	MAGNET MONITOR UPS	1	EXTERNALLY CONNECTED	
MUX	MULTIPLEXER	1	EXTERNALLY CONNECTED	
DW	OPERATOR WORKSPACE	1	SPLIT COVERPLATE	ELEC-13
		1	3/4 IN. DIA. CHASE NIPPLE	
		1	12 IN. X 8 IN. X 6 IN. BOX	
PA	PATIENT ALERT CONTROL BOX	1	SAME ROUTING AS DW	
PP1	RF PENETRATION PANEL	1	100 IN. OF GROMMET MATERIAL FOR (2) 18 IN. X 6 IN. OPENINGS IN ACCESS FLOOR	ELEC-10
		1	12 IN. X 6 IN. X 6 IN. BOX	ELEC-52
RCP	REMOTE CONTROL FOR CHILLER SYSTEM	1	CONNECT TO CONDUIT USING PROVIDED CONNECTION	
RL	MAGNET ROOM LIGHTS	1	LOCKNUT	
		1	BOX AS REQUIRED	
		1	INCANDESCENT LIGHT FIXTURE	
TAC	ACCESSORY CABINET	1	28 IN. OF GROMMET MATERIAL FOR A 10 X 4 IN. OPENING IN ACCESS FLR.	ELEC-10

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
RF FILTER > MS4	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
RF FAN > EF1	1-BLACK, 1-WHITE - (SIZE AS REQUIRED)
EF1 > EF2	1-BLACK, 1-WHITE - (SIZE AS REQUIRED)
MDP > MRCC	3-NO. 10 BLACK, 1-NO. 10 GREEN (1 SET FOR EACH UNIT)
MDP > A/C UNIT	1-NO. 12 BLACK, 1-NO. 12 WHITE, 1-NO. 12 GREEN
MDP > E02	1-BLACK, 1-RED, 1-GREEN - (SIZE AS REQUIRED)
480-V > MDP	3-BLACK, 1-WHITE, 1-GREEN - REFER TO FEEDER TABLE
MR3 > RF GROUND STUD	1-GREEN (NO. 1/0 MINIMUM)
MDP > MR3	3-NO. 2 BLACK, 1-NO. 1/0 GREEN (MAX. 20 FT. [6095MM])
120-V > RF FILTER	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
RF FILTER > RL	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
CONVERTER > RF FILTER	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
EMERG PWR > CONVERTER	1-BLACK, 1-WHITE, 1-GREEN - (SIZE AS REQUIRED)
RF GND STUD > RF FILTER	1-GREEN (SIZE AS REQUIRED FOR EACH FILTER)

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

GE Healthcare Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT
 MODALITY TYPE: 3.0T SIGNA EXCITE HD

THIS PLAN IS SUBMITTED TO SUBMIT 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 ALL APPLICABLE REGULATORY REQUIREMENTS. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND ASSUMING ALL LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

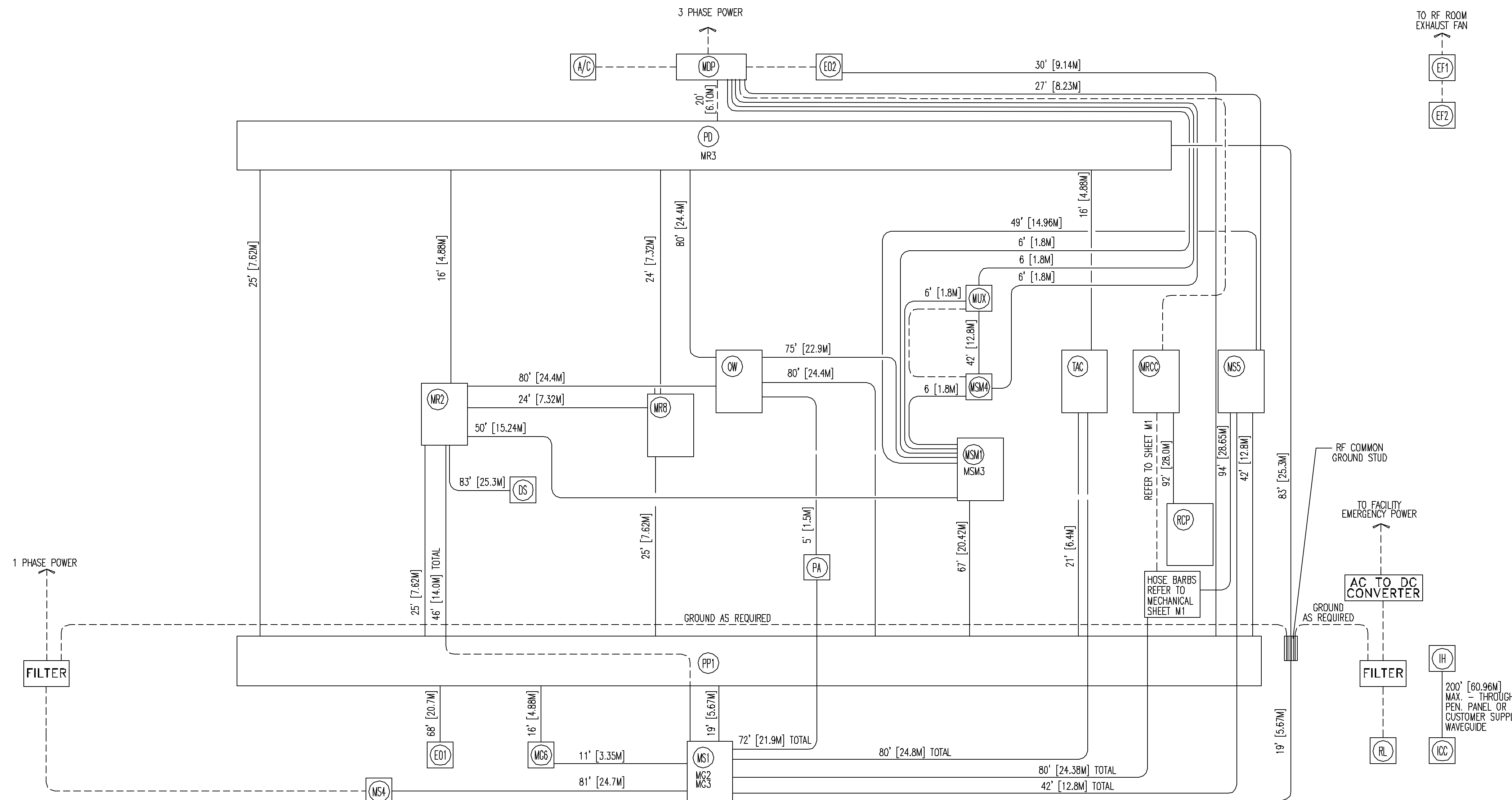
PROJECT TITLE:
 8-194F
 TYPICAL LAYOUT

PROJECT: 8-194F
 REVISION: 01
 DATE: 10-19-07
 DRAWN BY: SDB
 CHECKED BY: PMM

REVISION HISTORY:

SHEET
 E1

INTERCONNECT DIAGRAM



NOTE: CABLE LENGTH DATA
 THE USEABLE LENGTHS OF CABLES DISPLAYED ARE FOR CABLE KIT M3333TB. IF A DIFFERENT CABLE KIT IS REQUIRED, REFER TO THE PRE-INSTALLATION DIRECTION LISTED ON SHEET C1 FOR THE LENGTHS OF CABLES IN THAT KIT.

MINIMUM BENDING RADIUS EXISTS FOR CERTAIN CABLE GROUPS. PLEASE REFER TO THE PREINSTALLATION MANUAL FOR SPECIFICATIONS FOR ALL CABLES.

A PARTIAL LIST INCLUDES:
 10" BETWEEN THE MR1 AND PP1
 10" BETWEEN PP1 AND MS1
 8" BETWEEN THE MS5 AND MS1
 7" BETWEEN SYSTEM COOLING CABINET AND MS1.

CABLE SELECTION				
BASED UPON THE EQUIPMENT LAYOUT, CABLE KIT M3334TD WILL NEED TO BE ORDERED.				
INTERCONNECTS		RELATIVE LENGTHS BY CATALOG		
LOCATION	DESCRIPTION	M3334TD	M3334TE	M3334TF
L1	INTERCONNECTS BETWEEN PENETRATION PANEL (PP1) AND COMPONENTS IN THE MAGNET ROOM AND WITHIN MAGNET ROOM BETWEEN COMPONENTS	SHORT	SHORT	LONG
L2	INTERCONNECTS BETWEEN PENETRATION PANEL (PP1) AND COMPONENTS IN THE EQUIPMENT ROOM	SHORT	LONG	SHORT
L1/L2	INTERCONNECTS BETWEEN MAGNET ROOM AND EQUIPMENT ROOM COMPONENTS, INCLUDES INTERCONNECTS ROUTED THROUGH PP1 WAVEGUIDES AND INTERCONNECTS WHICH LENGTH PROVIDED IS CUT AT SITE AND SHARED BETWEEN MAGNET AND EQUIPMENT ROOMS	SHORT	LONG	MEDIUM
L3	INTERCONNECTS BETWEEN COMPONENTS WITHIN EQUIPMENT ROOM	SAME LENGTH FOR ALL CATALOGS		
L4	INTERCONNECTS BETWEEN OPERATORS WORKSPACE AND PENETRATION PANEL	SAME LENGTH FOR ALL CATALOGS		
L5	INTERCONNECTS BETWEEN OPERATORS WORKSPACE AND COMPONENTS IN THE EQUIPMENT ROOM	SAME LENGTH FOR ALL CATALOGS		

POWER SPECIFICATIONS

SIGNA EXCITE 3.0T (REV. DATE 06-12-06)

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.
 RECOMMENDED POWER SUPPLY: WYE-CONNECTED OR DELTA-CONNECTED (GROUNDED DELTA).
 MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

NOMINAL VOLTAGE	ABSOLUTE RANGE	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION **
		MAX MOMENTARY	CONTINUOUS	
380	342-418	143	115	150-A
400	360-440	136	110	150-A
415	374-456	131	106	150-A
480	432-528	114	91	150-A

** OVERCURRENT PROTECTION SIZED FOR 125% CONTINUOUS CURRENT. (CALCULATIONS BASED UPON NOMINAL VOLTAGE).

PHASE-BALANCE.
 PHASE-TO-PHASE VOLTAGES MUST BE WITHIN 2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE EXCURSIONS ABOVE OR BELOW NOMINAL WAVESHAPES FORM NOT TO EXCEED 200V AT A MAXIMUM DURATION OF 1 CYCLE AND FREQUENCY OF 10 TIMES PER HOUR. 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
 MAXIMUM POWER DEMAND AVERAGED OVER 5 SECONDS = 90.5 KVA. 80.5 KVA CONSISTING OF 61.2 KVA FOR PDU + 15.8 KVA (CONTINUOUS OPERATION) FOR MRCC + 9 KVA (CONTINUOUS OPERATION) FOR SHIELD/CRYO COOLER + 4.5 KVA FOR MAGNET MONITOR EQUIPMENT.

DEMAND	SIGNA TWINSPEED
kVA *	94.3
POWER FACTOR AT	0.9

* DEMAND INCLUDES POWER FOR ENTIRE MR SYSTEM. LINE VOLTAGE REGULATION AT MAXIMUM POWER DEMAND MUST BE LESS THAN OR EQUAL TO 2 PERCENT OR 4 PERCENT FROM POWER SOURCE.

DISTRIBUTION TRANSFORMER
 FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 150 KVA. REGULATED TRANSFORMER IS NOT REQUIRED UNLESS VOLTAGE CHANGES EXCEED ±10% OVER A PERIOD OF 1 HOUR OR LONGER.

NOTE:
 THE MAXIMUM POWER DEMAND FOR THE OUTDOOR MRCC/GWHX WAS USED FOR THESE CALCULATIONS. IF SO DESIRED THE CUSTOMERS CONTRACTOR CAN DETERMINE EXACT WIRE SIZES BASED UPON MAXIMUM DEMAND FOR THE COOLING SYSTEM TO BE INSTALLED FROM THE TABLE BELOW.

CONFIGURATION	TOTAL DEMAND	COOLING SYSTEM
2 MRCC UNITS	94.3 kVA	15.8 kVA
1 MRCC UNIT	86.4 kVA	7.9 kVA
1 GWHX UNIT	78.5 kVA	0 kVA

REFER TO DIRECTION 2355548, 5133303, AND 5159903 FOR ADDITIONAL INFORMATION.

ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, COPPER ONLY, CUT 10 FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS, UNLESS OTHERWISE SPECIFIED. ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN CONDUIT OR DUCT SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER AND FREE FROM SPLICES.
- 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.

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 Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS
 MODALITY TYPE: 3.0T SIGNA EXCITE HD

THIS PLAN IS SUBMITTED TO SUBJECT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL APPLICABLE ELECTRICAL CODES AND REGULATIONS. IT IS THE USER'S RESPONSIBILITY TO VERIFY ALL INFORMATION AND ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
 8-194F
 TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01

DATE: 10-19-07
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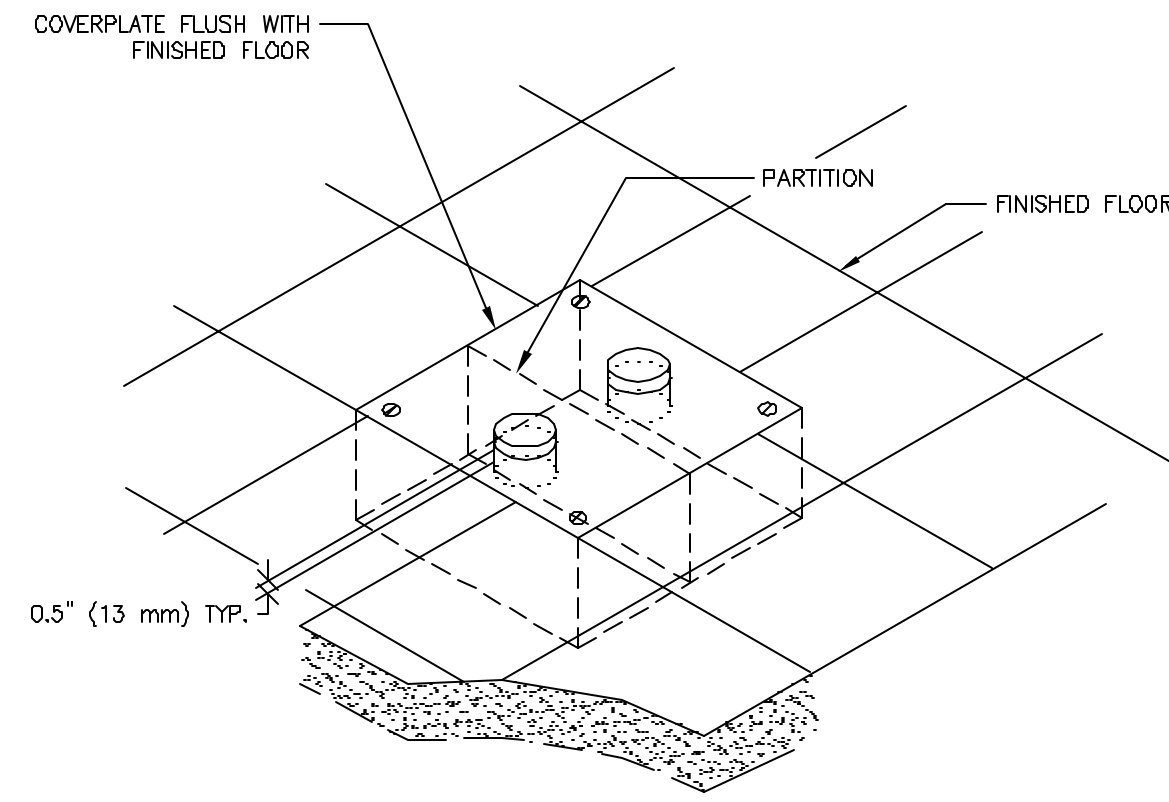
REVISION HISTORY:

SHEET
 E2

ELECTRICAL DETAIL
FLOOR BOX WITH NIPPLES (TYPICAL)

ELEC-13

REV. DATE: 09/30/94

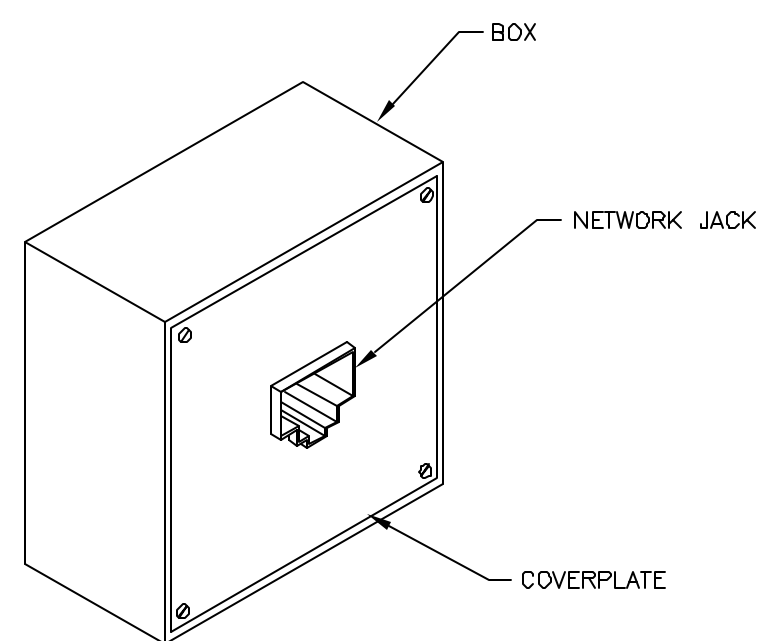


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

ELEC-83

REV. DATE: 10/06/98

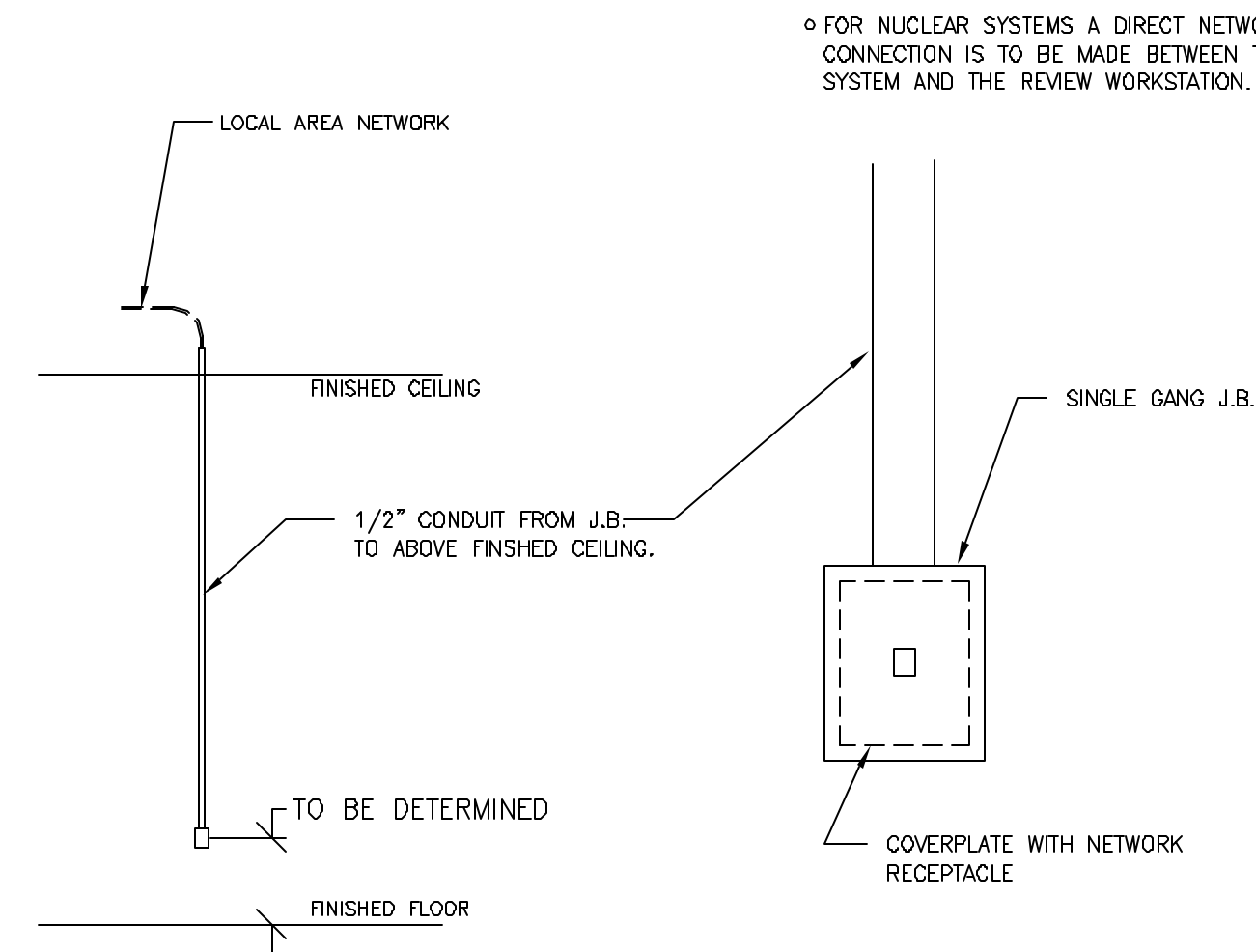


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
NETWORK CONNECTION (TYPICAL)

ELEC-84

REV. DATE: 03/06/04

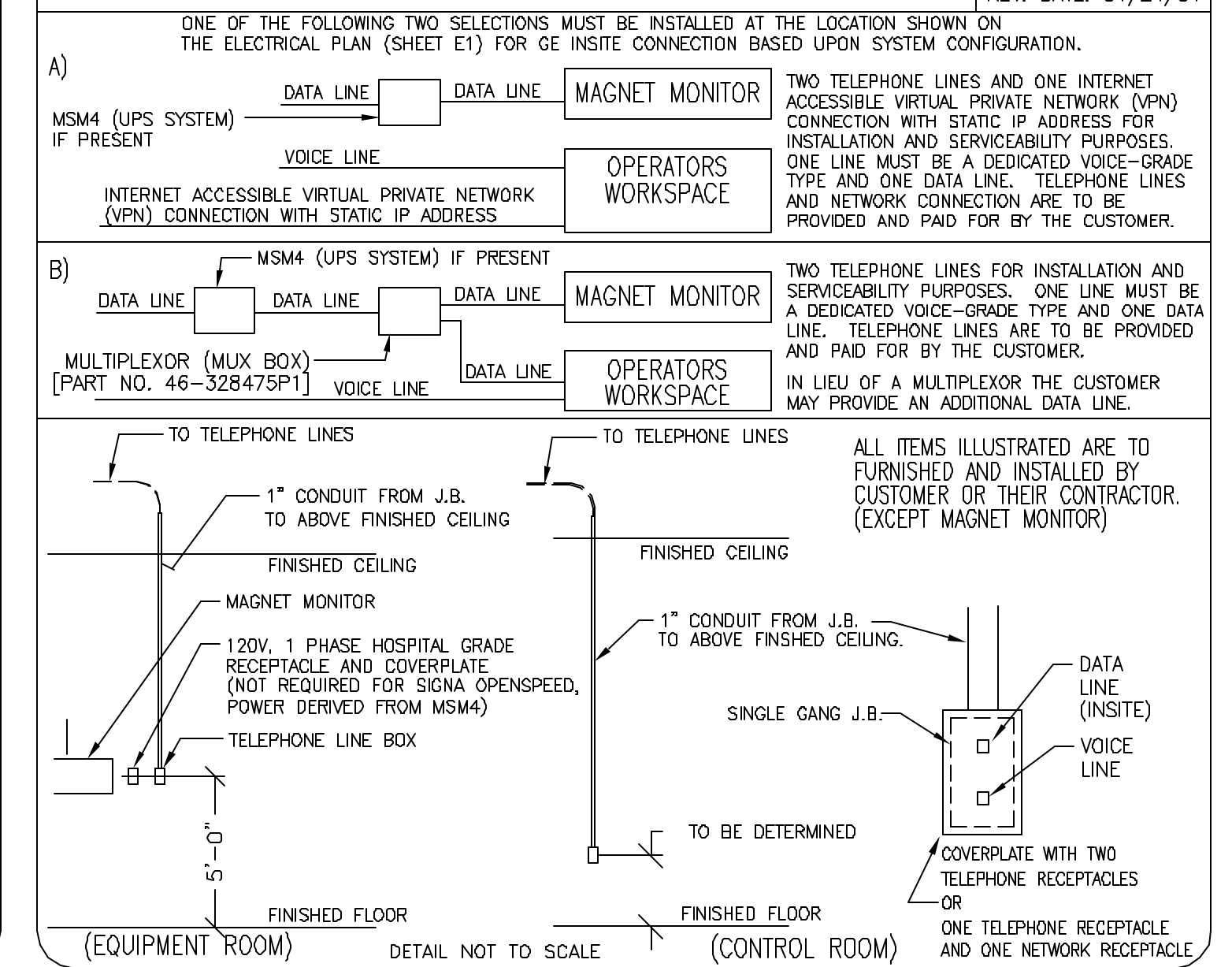


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
MAGNET MONITOR/INSITE CONNECTION

ELEC-78

REV. DATE: 04/24/01

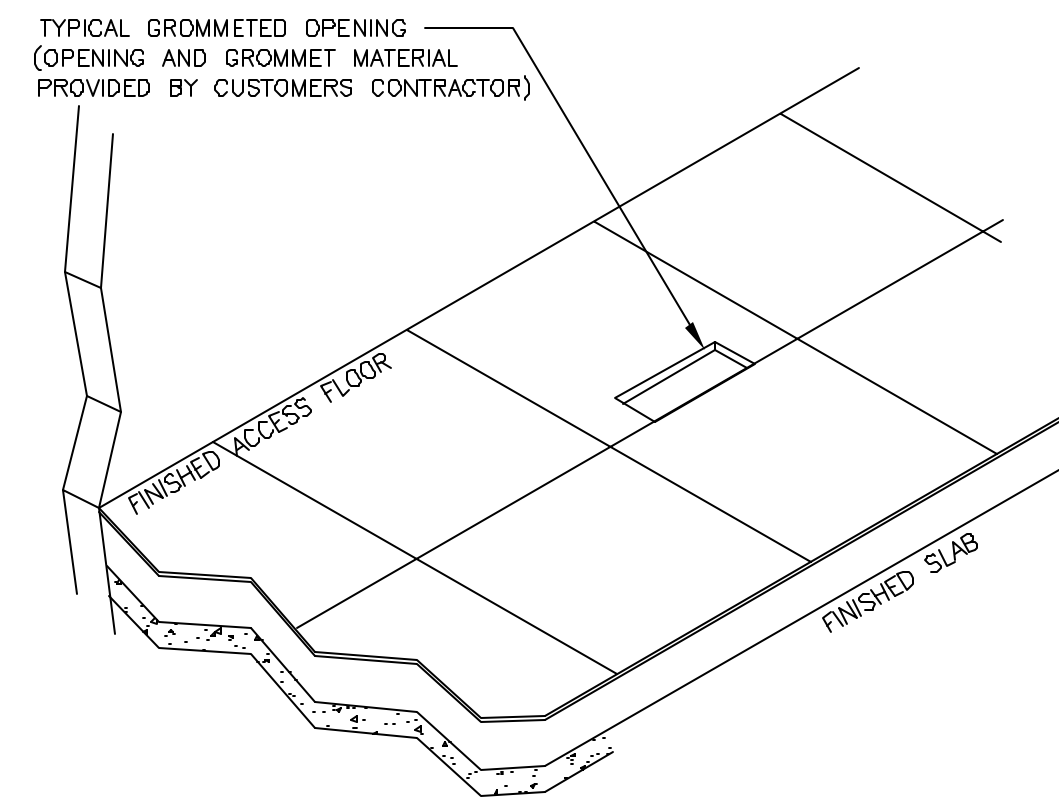


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
GROMMETED OPENING - ACCESS FLOORING (TYPICAL)

ELEC-10

REV. DATE: 04/21/05

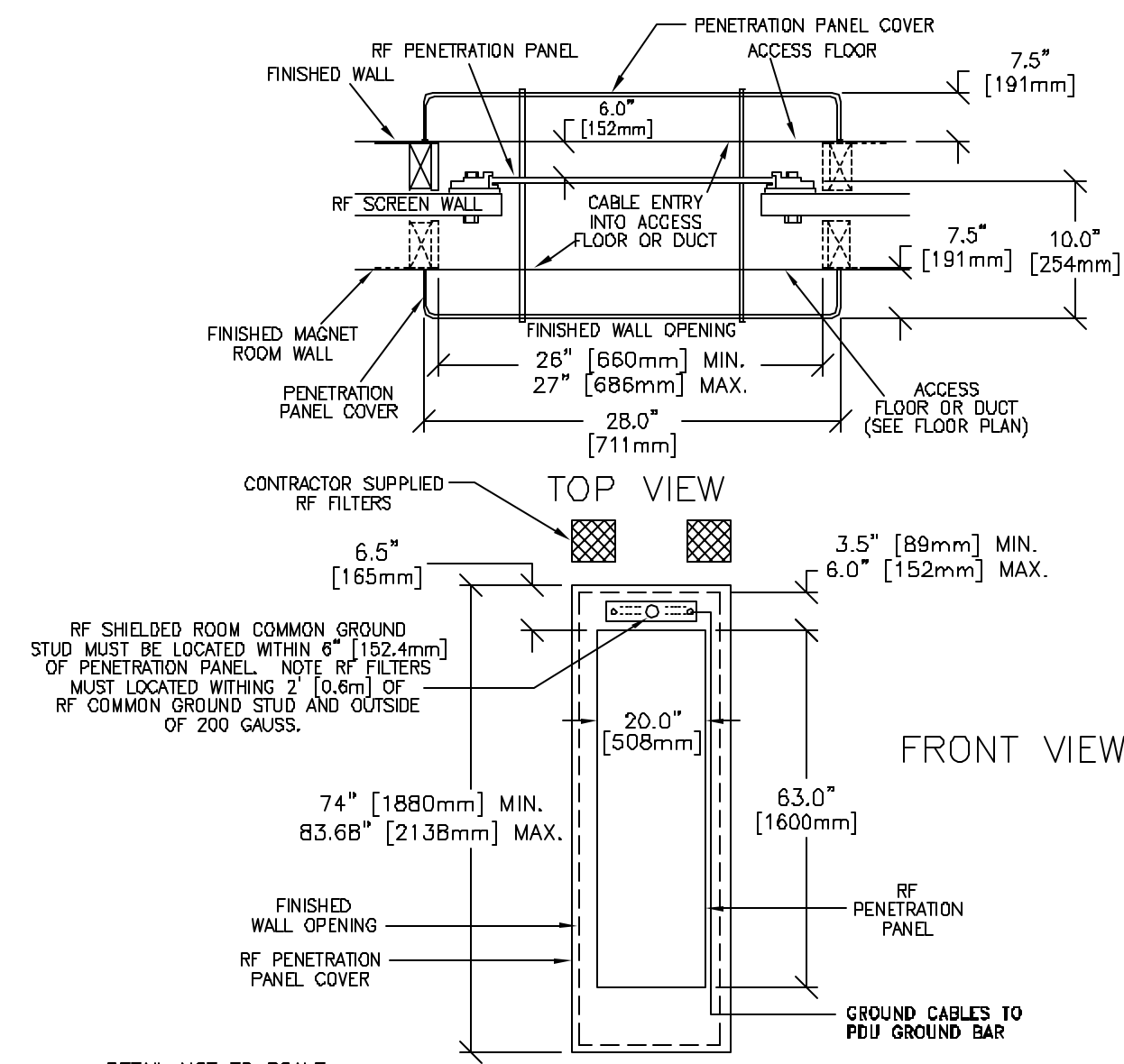


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
PENETRATION PANEL COVER MOUNTING REQUIREMENTS

ELEC-52

REV. DATE: 03/01/96

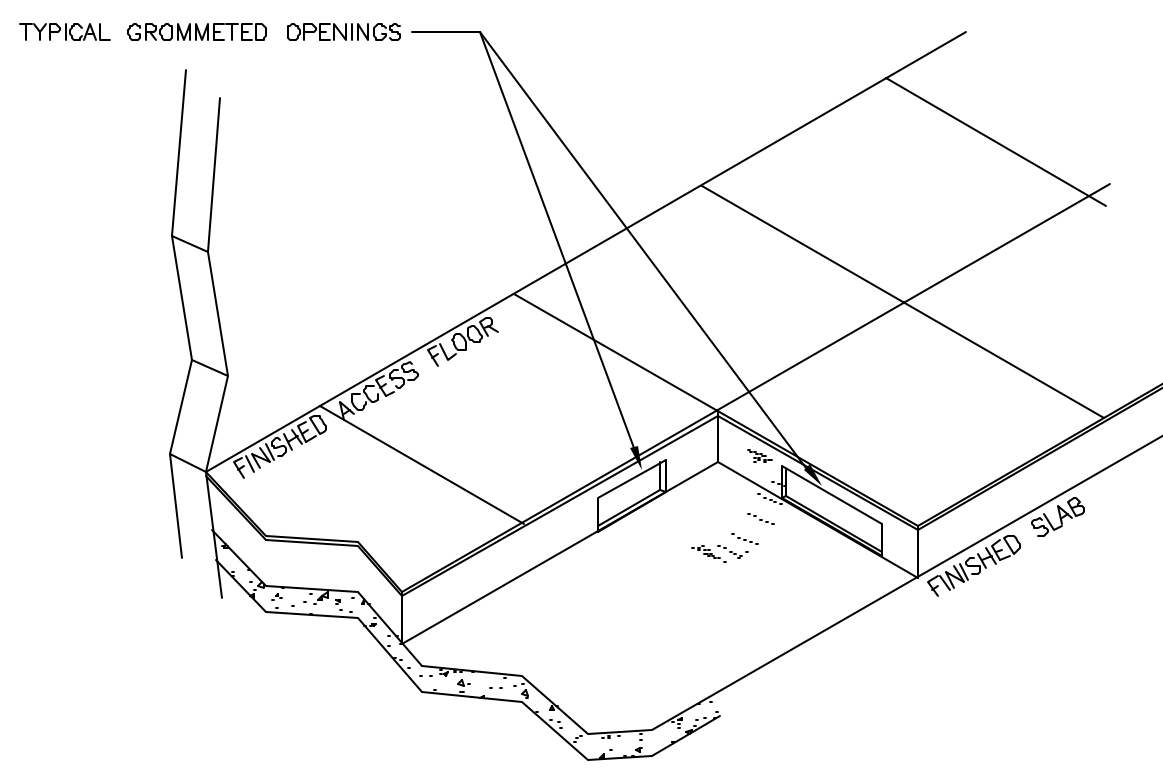


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
SURFACE ACCESS FLOOR FOR MAGNET

ELEC-63

REV. DATE: 04/01/98

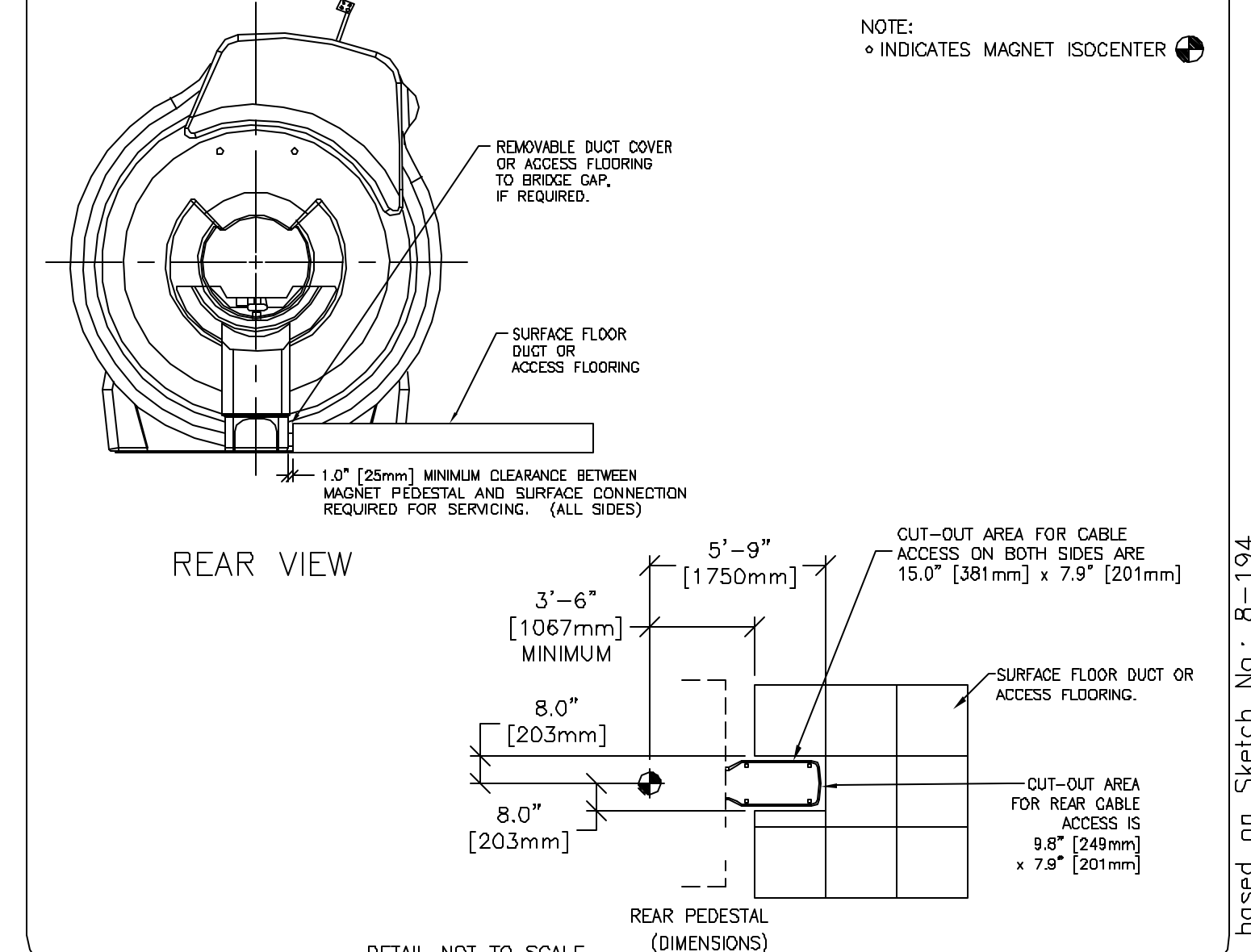


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
ACCESS CLEARANCE FOR SURFACE CONNECTIONS

ELEC-86

REV. DATE: 10/18/05

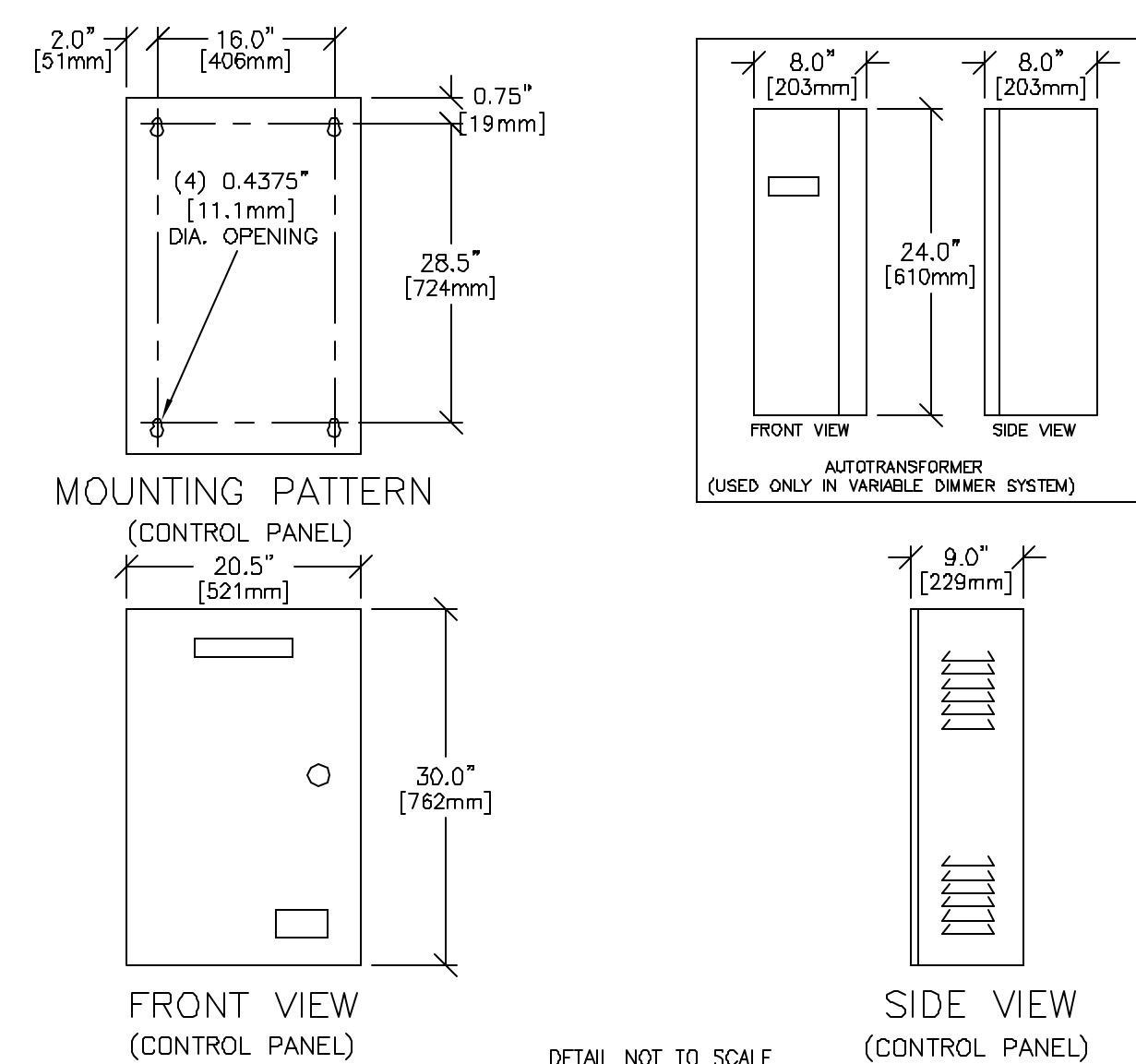


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
DC LIGHTING CONTROLLER

ELEC-51

REV. DATE: 08/22/05

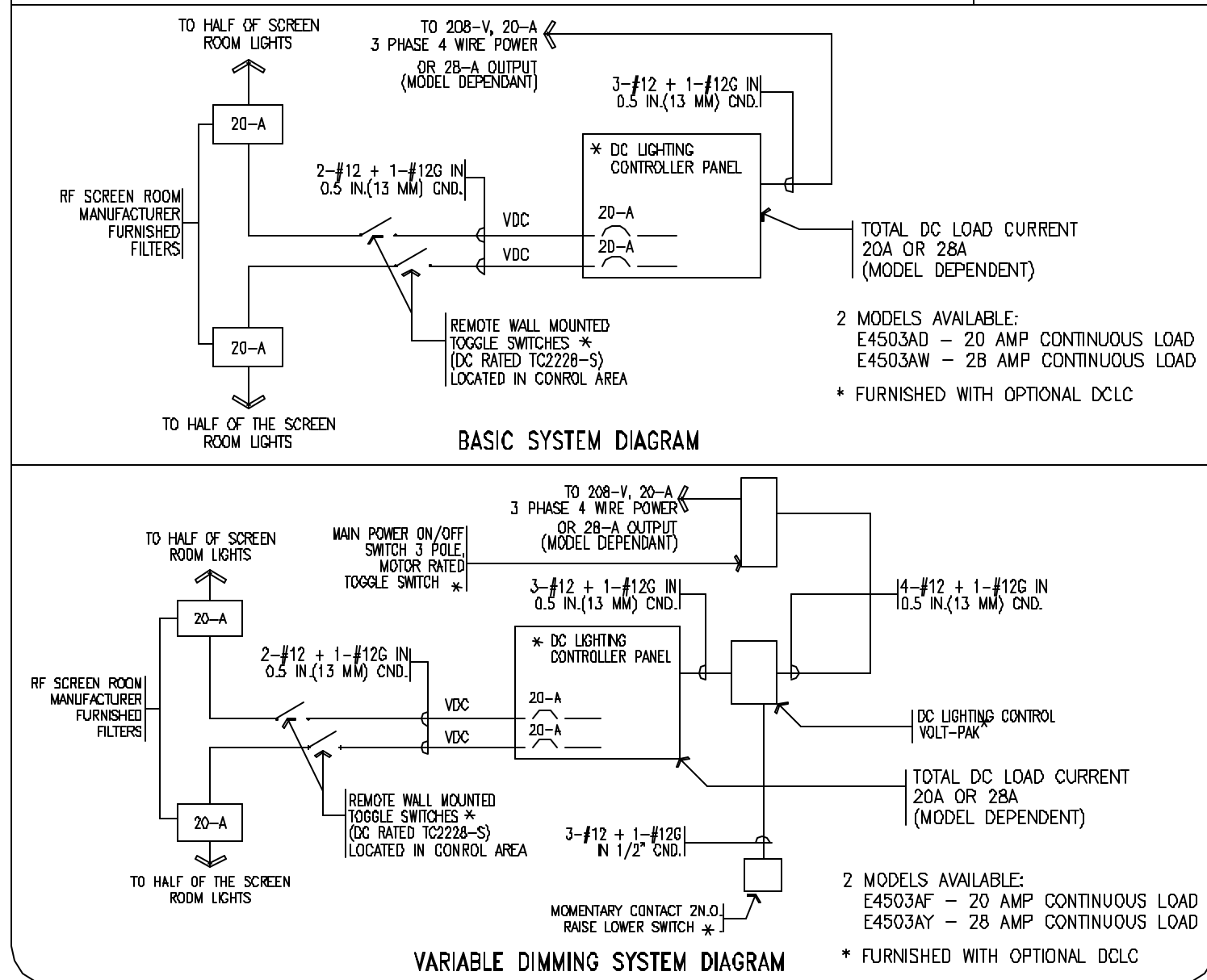


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
DC LIGHTING CONTROLLER SYSTEM DIAGRAM

ELEC-54

REV. DATE: 08/22/05

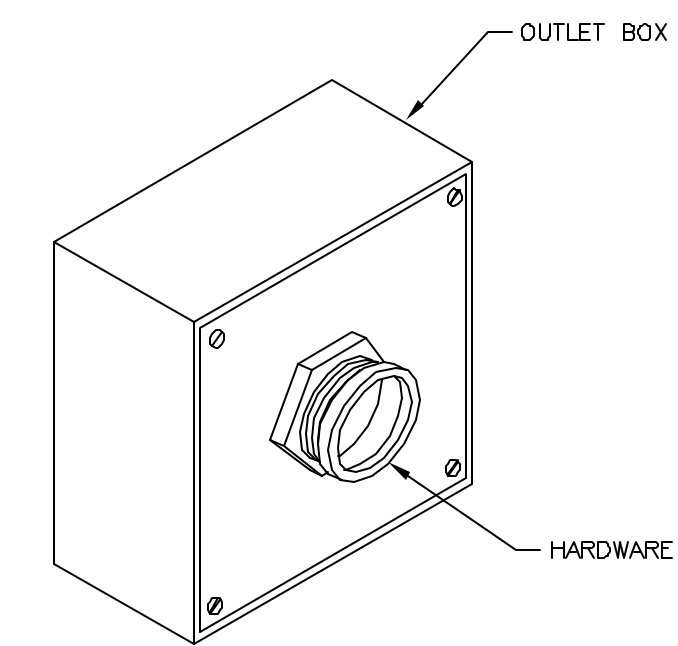


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE (TYPICAL)

ELEC-8

REV. DATE: 09/30/94

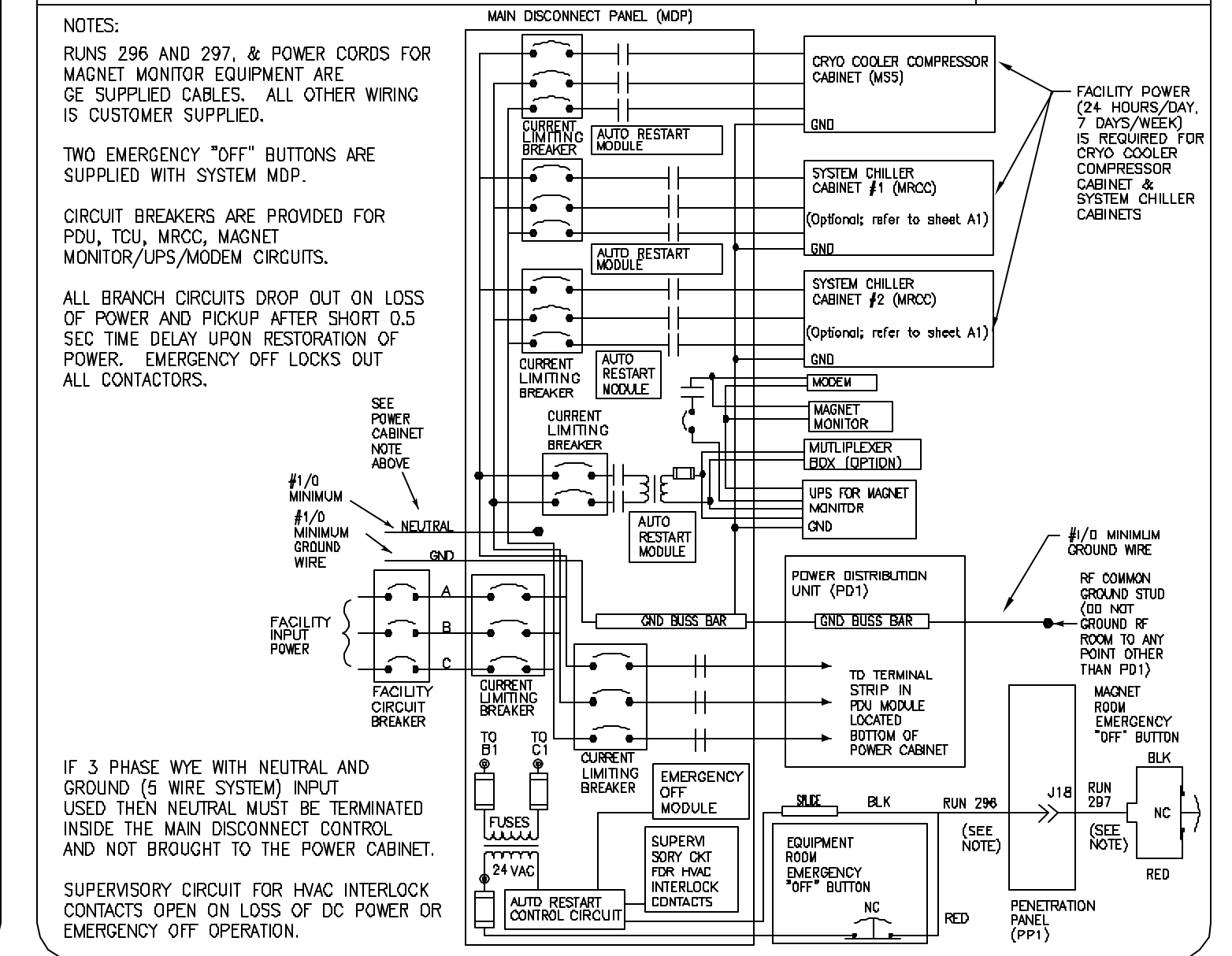


DETAIL NOT TO SCALE

ELECTRICAL DETAIL
PROTECTIVE DISCONNECT SETUP

ELEC-128

REV. DATE: 04/19/05



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

GE Healthcare Technologies
Installation Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: 3.0T SIGMA EXCITE HD
THIS PLAN IS LIMITED TO SUBJECT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCES. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO DETAILS OF THE EQUIPMENT MANUFACTURER'S DRAWINGS. IT IS THE USER'S RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
8-194F
TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01

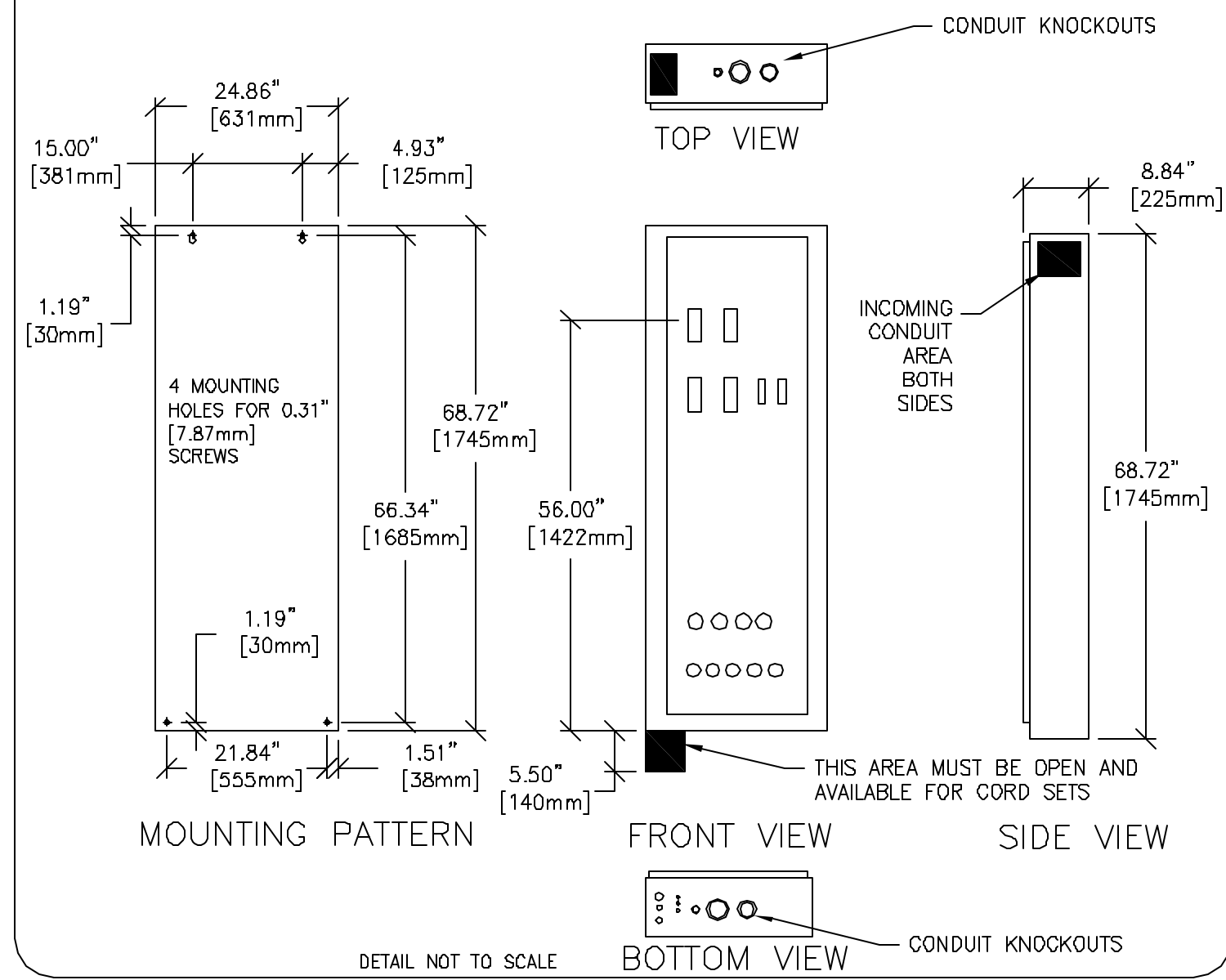
DATE: 10-19-07
DRAWN BY: SDB
CHECKED BY: PMM

REVISION HISTORY:

SHEET
E3

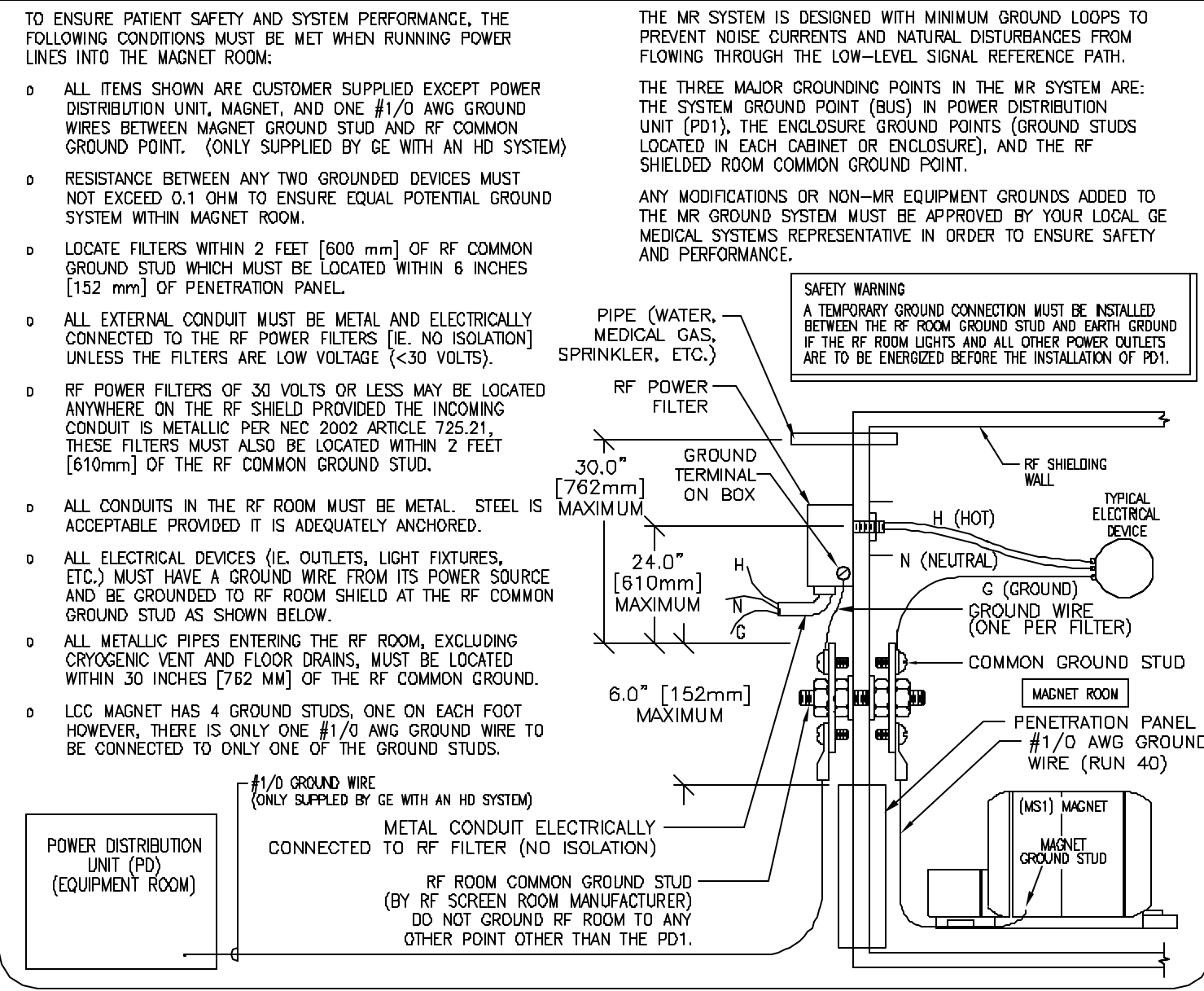
ELECTRICAL DETAIL
MAIN DISCONNECT PANEL

ELEC-107
REV. DATE: 03/30/01



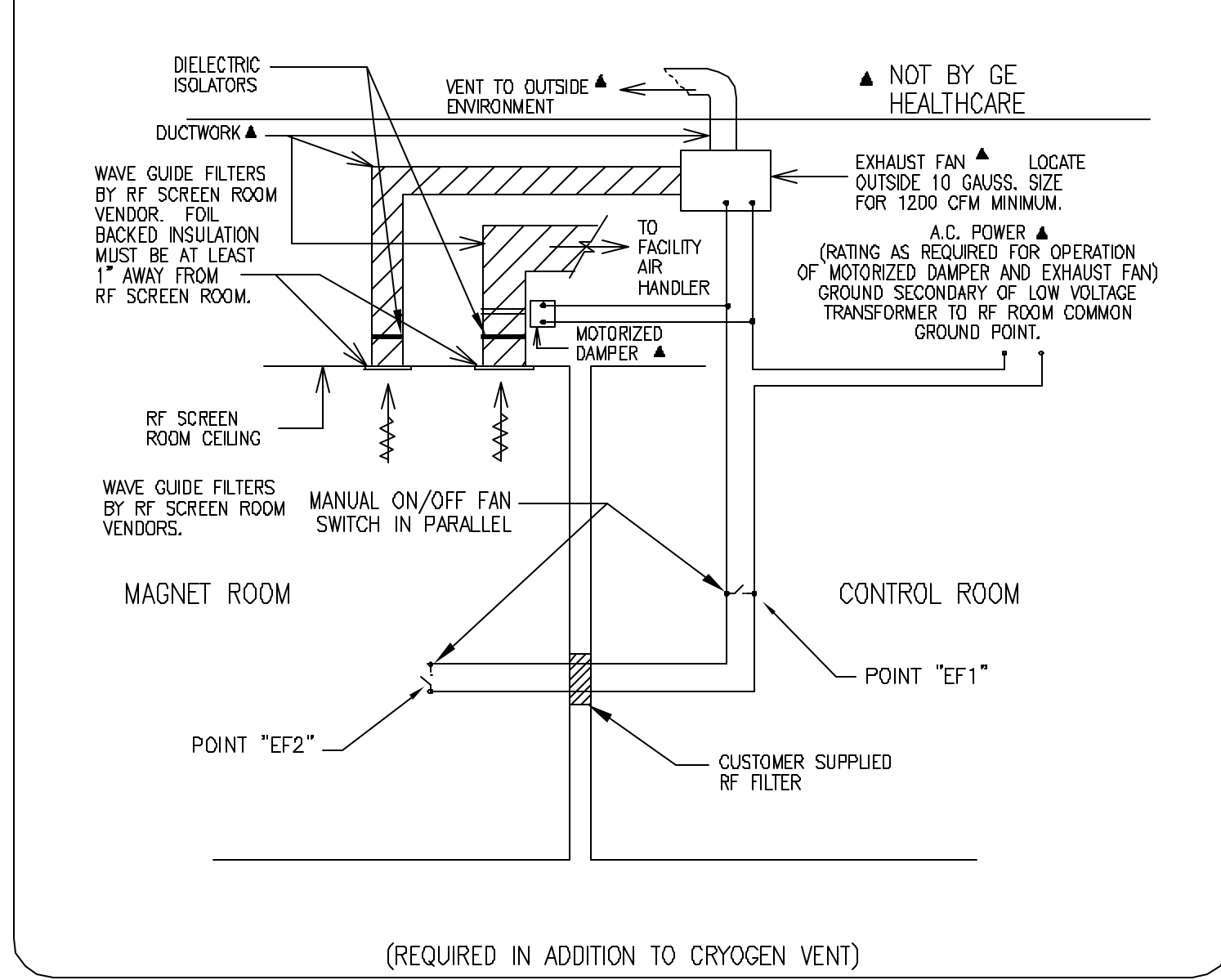
ELECTRICAL DETAIL
TYPICAL MAGNET ROOM GROUNDING

ELEC-140
REV. DATE: 08/23/05



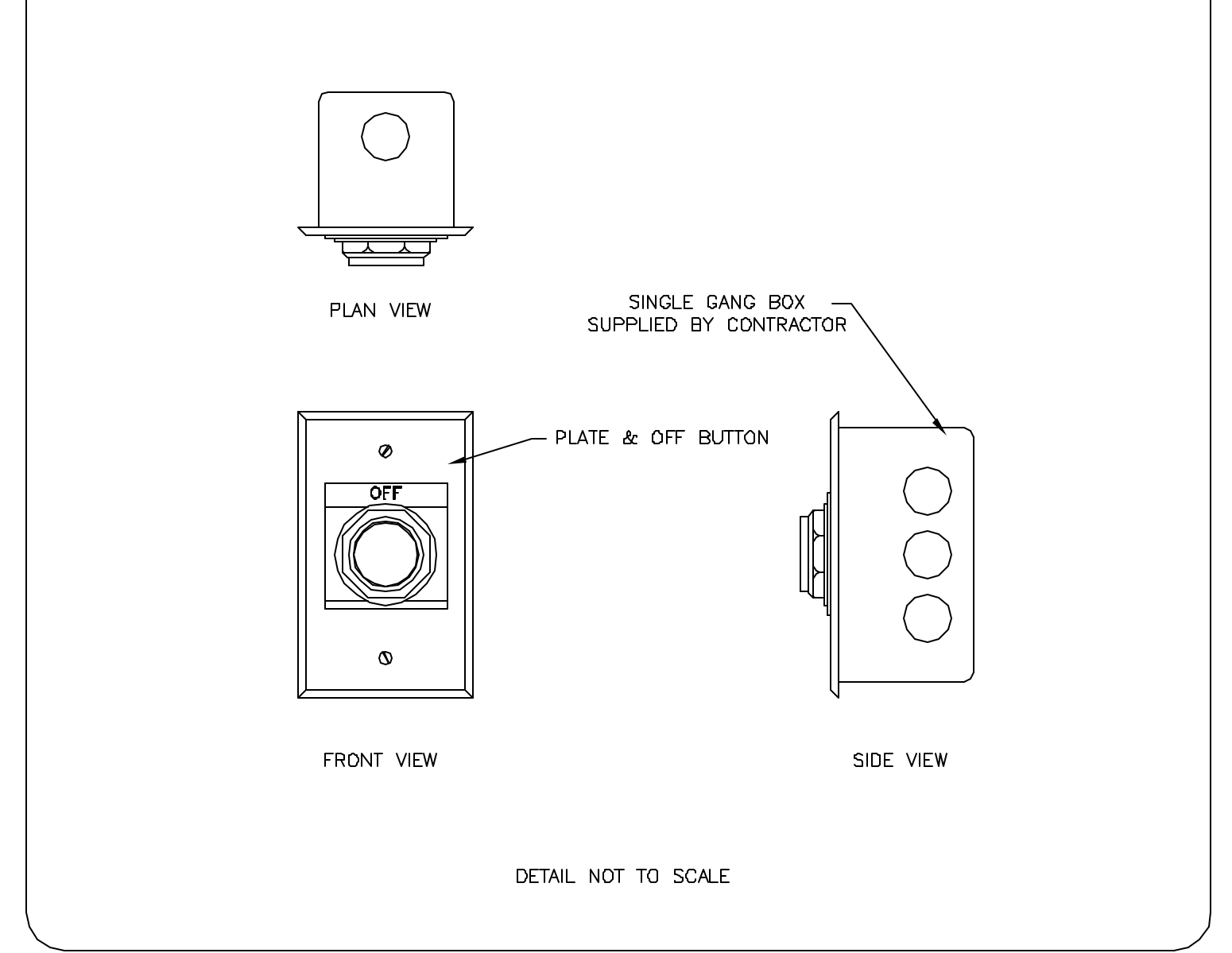
ELECTRICAL DETAIL
TYPICAL RF SCREEN ROOM EXHAUST FAN SET-UP

ELEC-55
REV. DATE: 03/18/05



ELECTRICAL DETAIL
EMERGENCY OFF BUTTON

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



SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: 3.0T SIGNA EXCITE HD

THIS PLAN IS SUBMITTED TO ASSIST IN THE LOCATION OF HEAVY DUTY 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 EQUIPMENT MANUFACTURER'S DRAWINGS. HOWEVER, IT MUST BE USED FOR INFORMATIONAL PURPOSES ONLY. GE HEALTHCARE ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

GE Healthcare Technologies
Installation Services Design Center
Milwaukee, Wisconsin

PROJECT TITLE:
8-194F
TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01
DATE:	10-19-07
DRAWN BY:	SDB
CHECKED BY:	PMM

REVISION HISTORY:

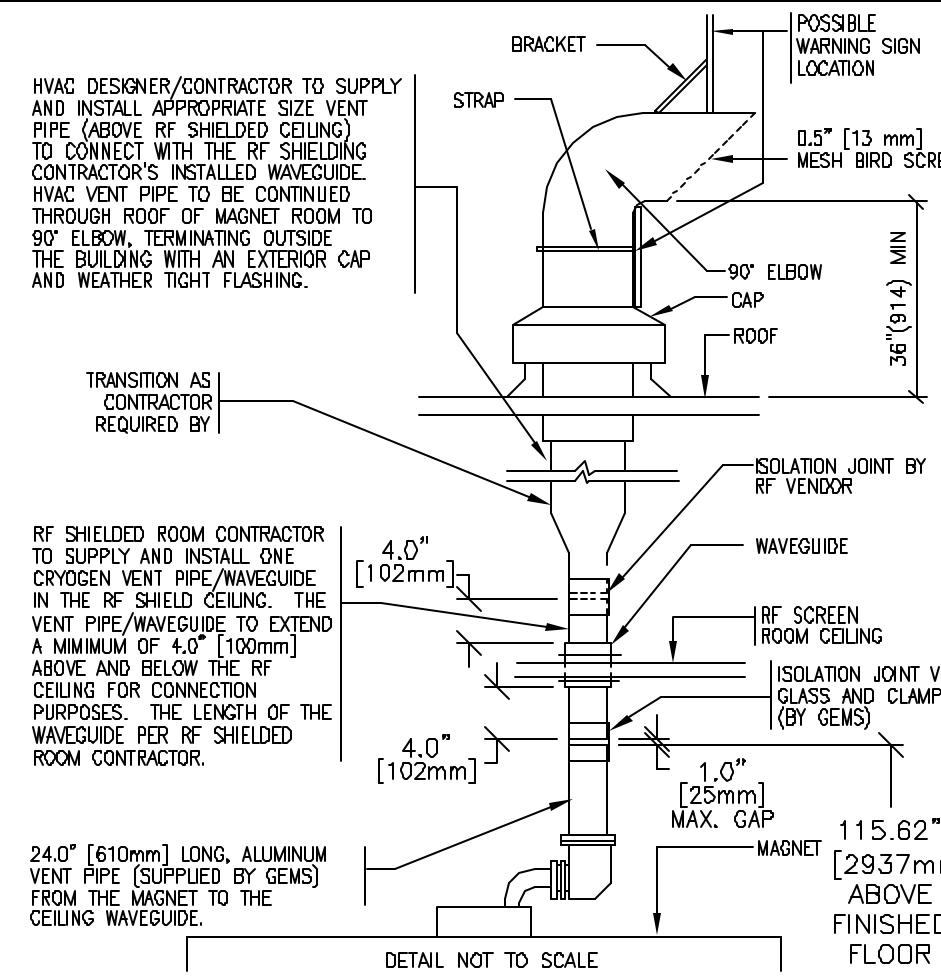
SHEET
E4

This drawing is based on Sketch No.: 8-194

TYPICAL CRYOGEN VENT PIPE DETAIL

MECH-01

REV. DATE: 10/26/05



CUSTOMER SUPPLIED WARNING SIGN TO READ:

CAUTION

FREZZING GASES AND SMALL OBJECTS MAY BE DISCHARGED WITHOUT NOTICE STAY AT LEAST 20 FT.(6.1 m) AWAY.

THIS SIGN MUST BE PLACED AT THE EXTERIOR EXIT POINT OF THE CRYOGEN VENT FOR THIS FACILITY. SEE TYPICAL CRYOGEN VENT PIPE DETAIL FOR POSSIBLE WARNING SIGN LOCATIONS.

THE FOLLOWING ARE MATERIALS THAT MUST BE USED FOR CONSTRUCTION OF THE VENT INSIDE THE MAGNET ROOM.

SS 304
AL 6061-T6
CU DWV.M OR L

NOTE: THE VENT GLASS ISOLATION JOINT INSIDE THE MAGNET ROOM MUST BE A MAXIMUM OF 116" [2.937m] ABOVE THE FINISHED FLOOR.

CRYOGENIC VENT SYSTEM PRESSURE DROP MATRIX

MECH-34

REV. DATE: 01/29/04

(THIS TABLE MUST BE USED FOR CRYOGENIC VENT SYSTEM DESIGN)

INSIDE DIAMETER OF VENT PIPE	DISTANCE OF VENT SYSTEM COMPONENT FROM MAGNET	PRESSURE DROP STRAIGHT VENT PIPE WITH SMOOTH INSIDE SURFACE		STANDARD SWEEP ELBOW		LONG SWEEP ELBOW		STANDARD SWEEP ELBOW		STANDARD SWEEP ELBOW					
		psi/ft	KPa/m	psi	KPa	psi	KPa	psi	KPa	psi	KPa				
8 [203]	0-10	0-3.05	0.14	3.22	1.12	7.70	0.74	5.13	2.09	14.43	1.40	9.62	4.19	28.88	
	10-20	3.05-6.10	0.24	5.40	1.83	12.83	1.22	8.42	3.43	23.67	2.29	15.78	6.87	47.34	
	20-30	6.10-9.15	0.36	8.55	2.49	17.20	1.68	11.48	4.67	32.21	3.11	21.48	9.34	64.53	
	30-40	9.15-12.20	0.47	10.85	3.11	21.42	2.07	14.26	5.82	40.11	3.88	26.74	11.94	80.23	
	40-50	12.20-15.25	0.57	12.80	3.67	26.32	2.45	16.86	6.88	47.42	4.58	31.61	13.75	94.84	
	50-60	15.25-18.30	0.65	14.68	4.20	28.93	2.79	19.26	7.86	54.17	5.24	36.11	15.71	108.33	
	60-70	18.30-21.35	0.72	16.35	4.69	31.11	3.08	21.35	8.84	60.82	5.71	39.62	17.66	125.82	
	70-80	21.35-24.40	0.78	17.85	5.08	33.40	3.32	22.70	9.59	65.81	6.13	41.93	19.59	138.31	
	80-100	24.40-30.5	0.85	19.25	5.48	35.65	3.53	23.95	10.34	70.70	6.46	43.84	21.52	150.80	
	10 [254]	0-20	0-6.1	0.06	1.290	0.62	4.23	0.41	2.86	1.17	8.04	0.78	5.36	2.33	16.07
		20-40	6.1-12.2	0.12	2.725	1.05	7.25	0.70	4.83	1.97	13.58	1.31	9.05	3.84	27.16
		40-60	12.2-18.3	0.17	3.904	1.43	9.86	0.95	6.56	2.67	18.44	1.78	12.29	5.35	36.88
		60-80	18.3-24.4	0.21	4.859	1.76	12.14	1.17	8.07	3.28	22.70	2.19	15.13	6.56	45.40
		80-100	24.4-30.5	0.25	5.626	2.05	14.14	1.36	9.40	3.83	26.43	2.56	17.62	7.67	52.66
	12 [305]	0-20	0-6.1	0.020	0.441	0.26	1.78	0.17	1.19	0.48	3.34	0.32	2.22	0.97	6.87
		20-40	6.1-12.2	0.041	0.937	0.43	3.00	0.29	1.91	0.61	5.54	0.54	3.74	1.53	11.22
		40-60	12.2-18.3	0.060	1.353	0.59	4.08	0.39	2.72	1.11	7.64	0.74	5.09	2.22	15.27
		60-80	18.3-24.4	0.075	1.702	0.73	5.06	0.49	3.36	1.37	9.45	0.91	6.30	2.74	18.89
		80-100	24.4-30.5	0.088	1.991	0.86	5.92	0.57	3.93	1.60	11.06	1.07	7.37	3.21	22.12
	14 [356]	0-20	0-6.1	0.008	0.180	0.103	0.85	0.082	0.57	0.231	1.59	0.154	1.06	0.462	3.18
		20-40	6.1-12.2	0.017	0.380	0.206	1.42	0.137	0.96	0.388	2.66	0.257	1.77	0.771	5.32
		40-60	12.2-18.3	0.024	0.552	0.281	1.94	0.187	1.29	0.525	3.62	0.360	2.42	1.051	7.25
		60-80	18.3-24.4	0.031	0.699	0.349	2.41	0.232	1.60	0.652	4.50	0.435	3.00	1.304	8.99
		80-100	24.4-30.5	0.036	0.824	0.411	2.83	0.272	1.88	0.766	5.28	0.511	3.52	1.533	10.57
	14 [356]	0-20	0-6.1	0.004	0.083	0.065	0.45	0.043	0.30	0.122	0.84	0.081	0.56	0.244	1.68
		20-40	6.1-12.2	0.008	0.174	0.108	0.75	0.072	0.50	0.203	1.39	0.135	0.93	0.404	2.78
		40-60	12.2-18.3	0.011	0.253	0.148	1.02	0.098	0.68	0.275	1.90	0.184	1.27	0.551	3.80
		60-80	18.3-24.4	0.014	0.333	0.184	1.27	0.132	0.84	0.342	2.36	0.208	1.57	0.685	4.72
		80-100	24.4-30.5	0.017	0.383	0.217	1.49	0.144	0.99	0.404	2.78	0.269	1.86	0.807	5.57

NOTE 1: ELBOWS WITH ANGLES GREATER THAN 90° MUST NOT BE USED.

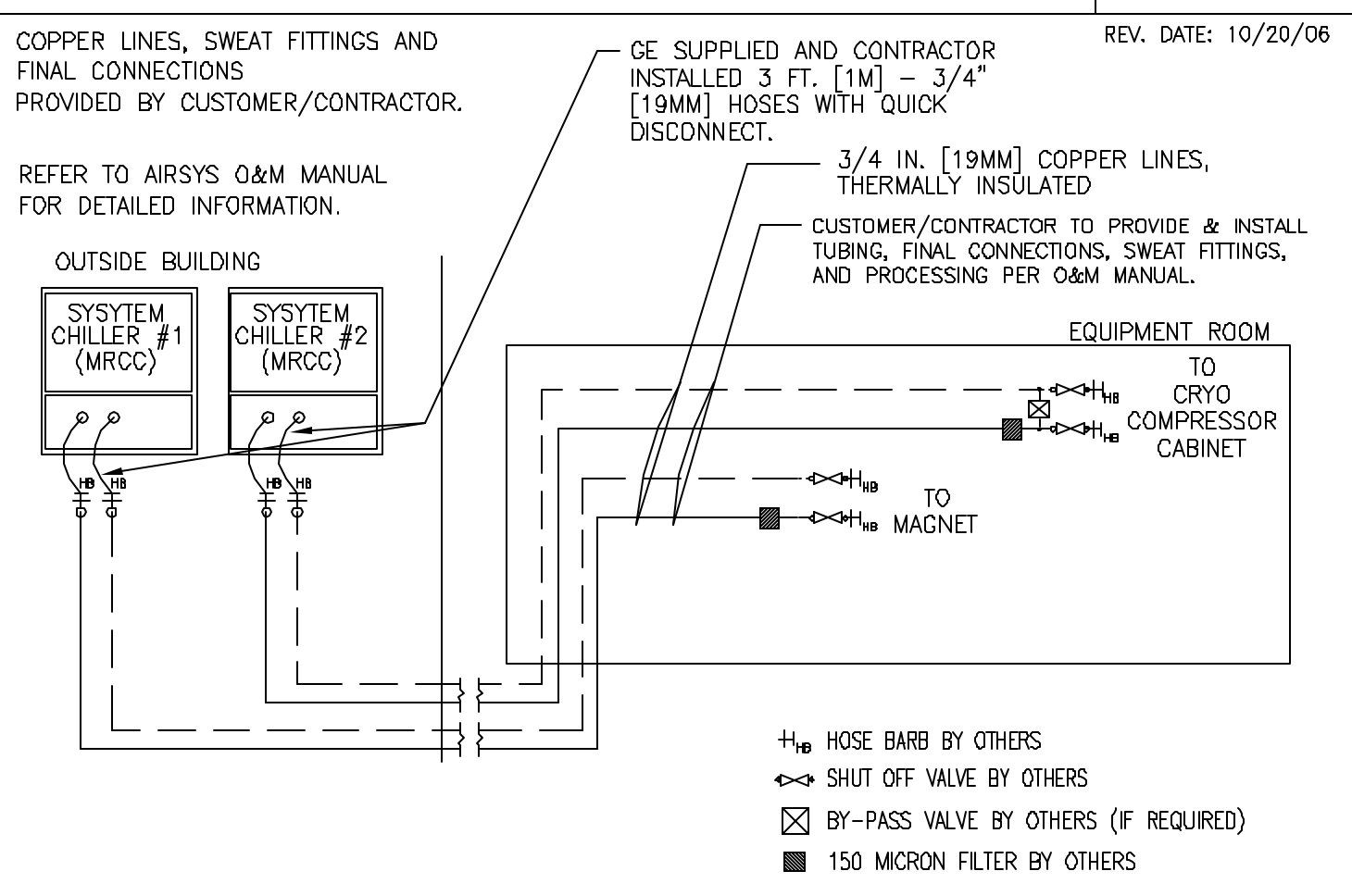
NOTE 2: THE TABLE DATA IS BASED ON THE FOLLOWING:
 A. INITIAL FLOW CONDITIONS AT MAGNET INTERFACE.
 B. 5M ENERGY (120MJ) IS DAMPED TO 1M DURING QUENCH AND RISES IN TEMPERATURE TO 10 KELVIN.
 C. GAS TEMPERATURE STARTS AT 10 KELVIN AND INCREASES WITH LENGTH DETERMINED BY THERMAL ENERGY BALANCE.
 D. 50% He IS ASSUMED TO BE EVACUATED WITHIN 30 SEC. NO He LEFT AFTER QUENCH.
 E. ABSOLUTE ROUGHNESS IS ASSUMED TO BE 0.5 MM.
 F. R/D = 0.5 FOR STANDARD SWEEP ELBOWS, R/D = 1.5 FOR LONG SWEEP ELBOWS, WHERE D = INSIDE DIAMETER OF PIPE, R = RADIUS OF BEND.

NOTE 3: THE TOTAL PRESSURE DROP OF THE ENTIRE CRYOGENIC VENT SYSTEM MUST BE LESS THAN 20 PSI (1.38 KPa). THE CALCULATION STARTS AT THE MAGNET VENT INTERFACE AND ENDS AT THE TERMINATION POINT OUTSIDE THE BUILDING.

SYSTEM CHILLER PIPING

MECH-35

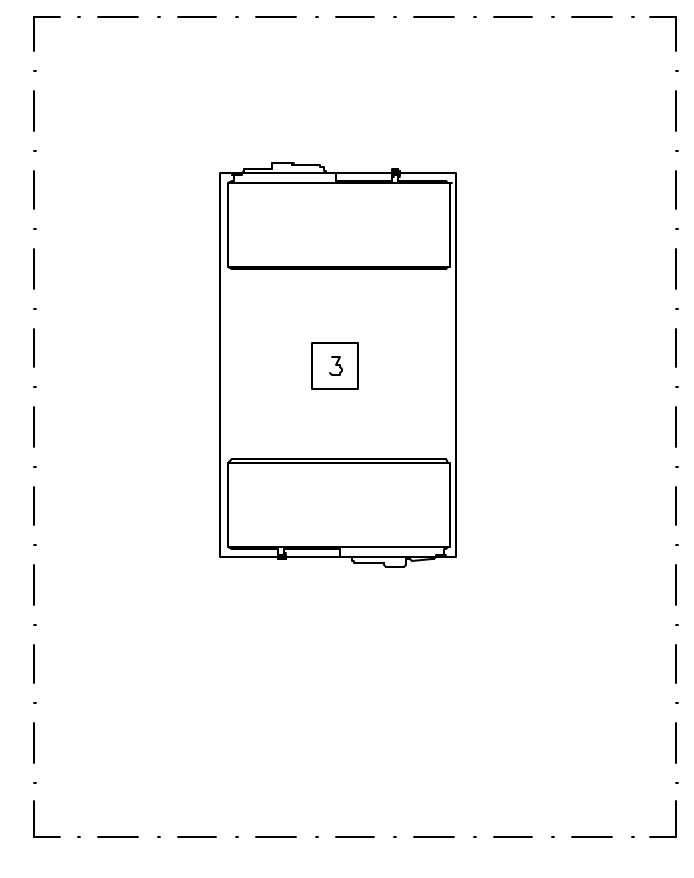
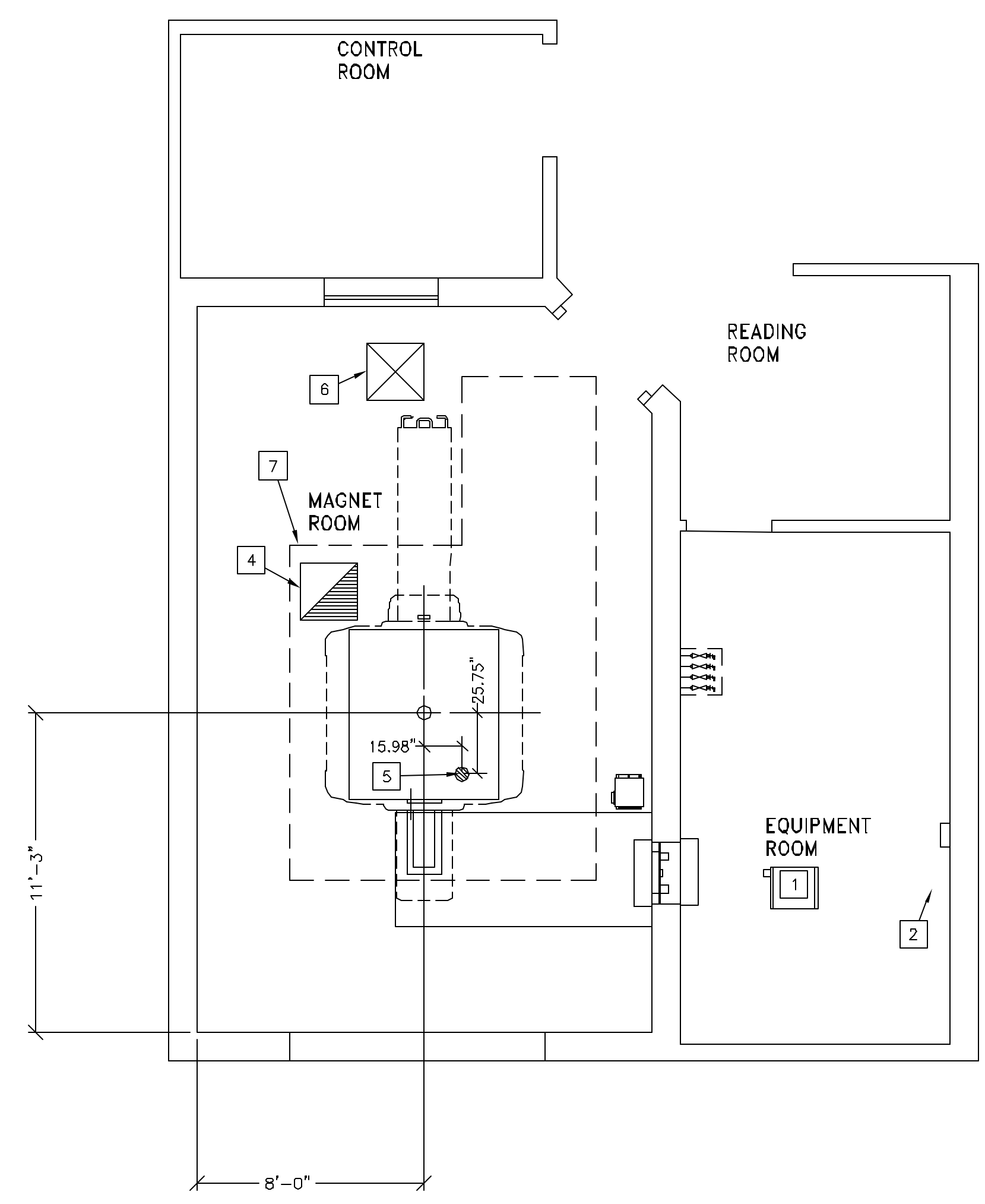
REV. DATE: 10/20/06



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

MECHANICAL/PLUMBING LAYOUT

RECOMMENDED CEILING HEIGHT = 18'-9"



MECHANICAL/PLUMBING ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	SEE PRE-INSTALLATION MANUAL FOR RECOMMENDED BACK-UP WATER SPECIFICATIONS.
2	FOUR (4) 3/4 IN. [19MM] COPPER LINES (INSULATED). SIX (6) 3/4 IN. [19MM] HOSE BARBS. TWO (2) 1/2 IN. [13MM] HOSE BARBS. FOUR (4) VALVES. TWO (2) 3/4 IN. [19MM] TO 1/2 IN. [13MM] REDUCERS. TWO (2) 150 MICRON FILTER. FOUR (4) SHUT OFF VALVES. TWO (2) BY-PASS VALVE. REFER TO DETAIL MECH-35.
3	PLEASE REFER TO THE PRE-INSTALLATION MANUAL FOR COMPLETE SITE PREPARATION REQUIREMENTS. CUSTOMER/CONTRACTOR RESPONSIBLE FOR RIGGING AND INSTALLATION OF SYSTEM COOLING CABINET. THERE IS A MAXIMUM OF 100 FEET [30.5 M] VERTICAL DIFFERENCE ABOVE OR 10 FEET [3.0 M] BELOW BETWEEN THE OUTDOOR CHILLER CABINET (MRCC) AND BOTH THE MAGNET AND THE CRYO COMPRESSOR. A TOTAL MAXIMUM DISTANCE OF 200 FEET [61 M] EXISTS BETWEEN THE OUTDOOR CHILLER CABINET (MRCC) AND CRYO COMPRESSOR OR THE MAGNET. PLEASE REFER TO THE PRE-INSTALLATION MANUAL FOR COMPLETE SITE PREPARATION REQUIREMENTS.
4	EXHAUST FAN AND AIR INLET MUST BE SIZED FOR A MINIMUM OF 1800 CFM [84 M ³ /MINUTE] AND A MINIMUM OF 18 AIR EXCHANGES PER HOUR. SEE DETAIL ELEC-39 ON THE ELECTRICAL DETAIL SHEET(S). MAGNET ROOM EXHAUST FAN INTAKE VENT MUST BE LOCATED AT THE HIGHEST CEILING PLANE NEAR THE MAGNET CRYOGEN VENT.
5	SEE SHEET S-2 FOR CRYOGEN VENT LOCATION. THE TOTAL PRESSURE DROP OF THE ENTIRE CRYOGENIC VENT SYSTEM MUST BE LESS THAN 20 PSI (1.38 KPa). THE CALCULATION STARTS AT THE MAGNET VENT INTERFACE AND ENDS AT THE TERMINATION POINT OUTSIDE THE BUILDING. 8" [203 mm] CRYOGEN VENT - TOLERANCE FOR VENT LOCATION +/- 0.25" [6 mm] - SEE DETAILS MECH-34 AND MECH-01. THE CUSTOMER'S DESIGNER IS RESPONSIBLE FOR SELECTING VENT MATERIALS AND HARDWARE CAPABLE OF SAFELY HANDLING THE PRESSURES AND COLD TEMPERATURE GENERATED WITHIN THE VENT AT EACH MFT SITE. THE CUSTOMER'S CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE CRYOGEN VENT FROM THE MAGNET VENT ADAPTER TO THE BUILDING'S EXTERIOR. FOR NON-STANDARD VENT CONFIGURATIONS (1.6 OFFSET, CEILING EXITS, WALL EXITS, AND GEODESIC DOME) THE CUSTOMER'S CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE CRYOGENIC VENT SYSTEM AND VENT SUPPORTS WITHIN THE MAGNET ROOM.
6	MINIMUM 8 FT. [2.4 M] x 6 IN. x 0.6 IN. PRESSURE EQUALIZING WAVEGUIDE VENT IN THE MAGNET ROOM CEILING.
7	MINIMUM CEILING HEIGHT REQUIREMENT AREA. REFER TO MAGNET EQUIPMENT DETAILS FOR MORE INFORMATION.

MECHANICAL/PLUMBING NOTES

- ALL PIPING, FITTINGS, SUPPORTS, HOSES, CLAMPS, VENTILATION SYSTEMS, ETC. ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER OR HIS CONTRACTORS.
- FOR COMPLETE DESIGN AND INSTALLATION REQUIREMENTS, SPECIFICATIONS AND GUIDELINES REFER TO THE PRE-INSTALLATION MANUAL REFERENCED ON SHEET C1 FOR:
 MR SYSTEMS - SYSTEM COOLING, CRYOGEN VENTING, WAVEGUIDES AND EXHAUST VENTING.
 CYCLOTRON SYSTEMS - CHEMISTRY LINES, GAS LINES, AND SYSTEM COOLING.

GE Healthcare Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: MECHANICAL LAYOUT
 MODALITY TYPE: 3.0T SIGNA EXCITE HD
 THIS PLAN IS SUBMITTED TO SUBJECT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPLIANCE, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO THE REQUIREMENTS OF THE PROJECT. GE HEALTHCARE ACCEPTS NO LIABILITY FOR ANY DAMAGES RESULTING THEREFROM.

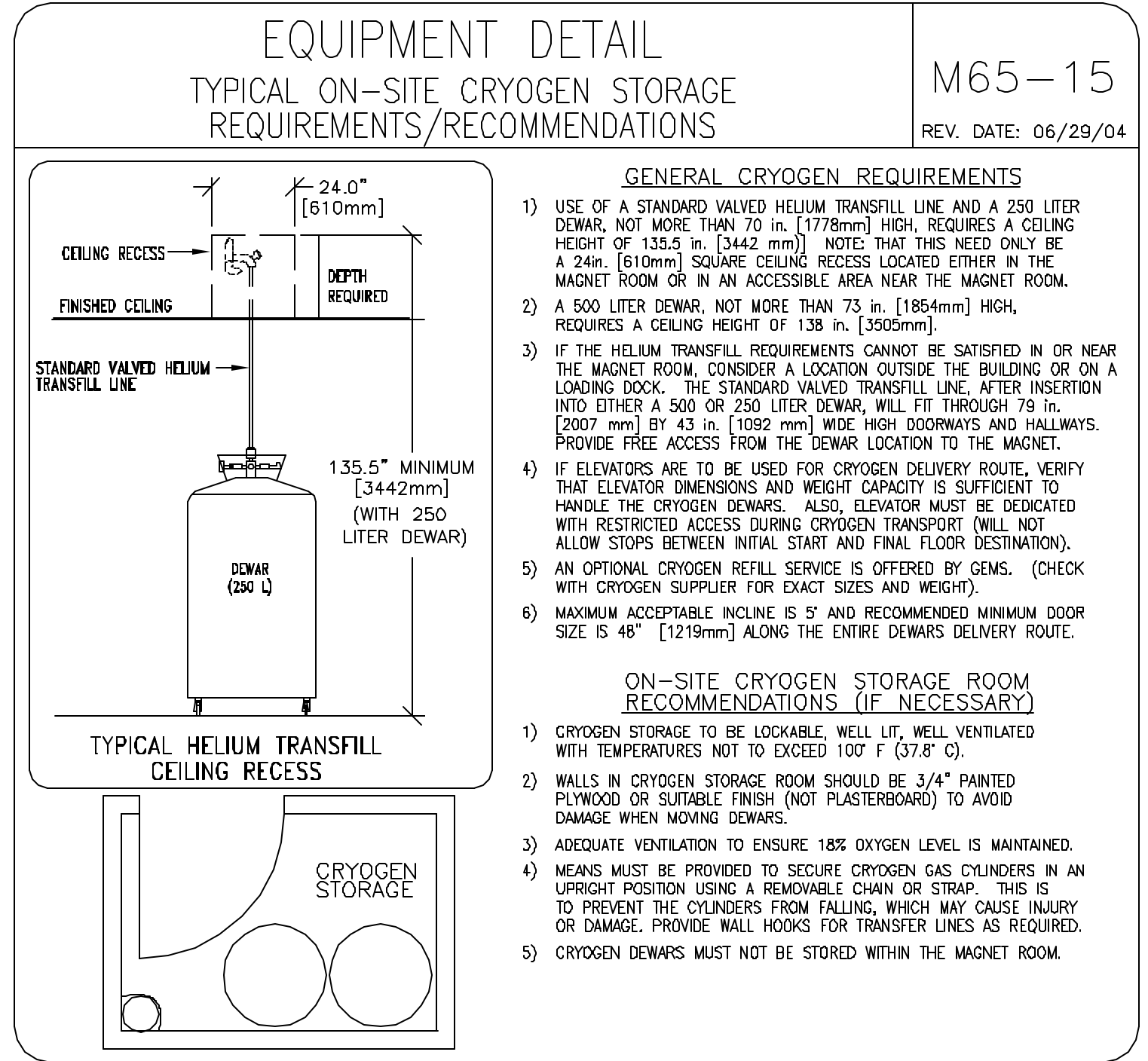
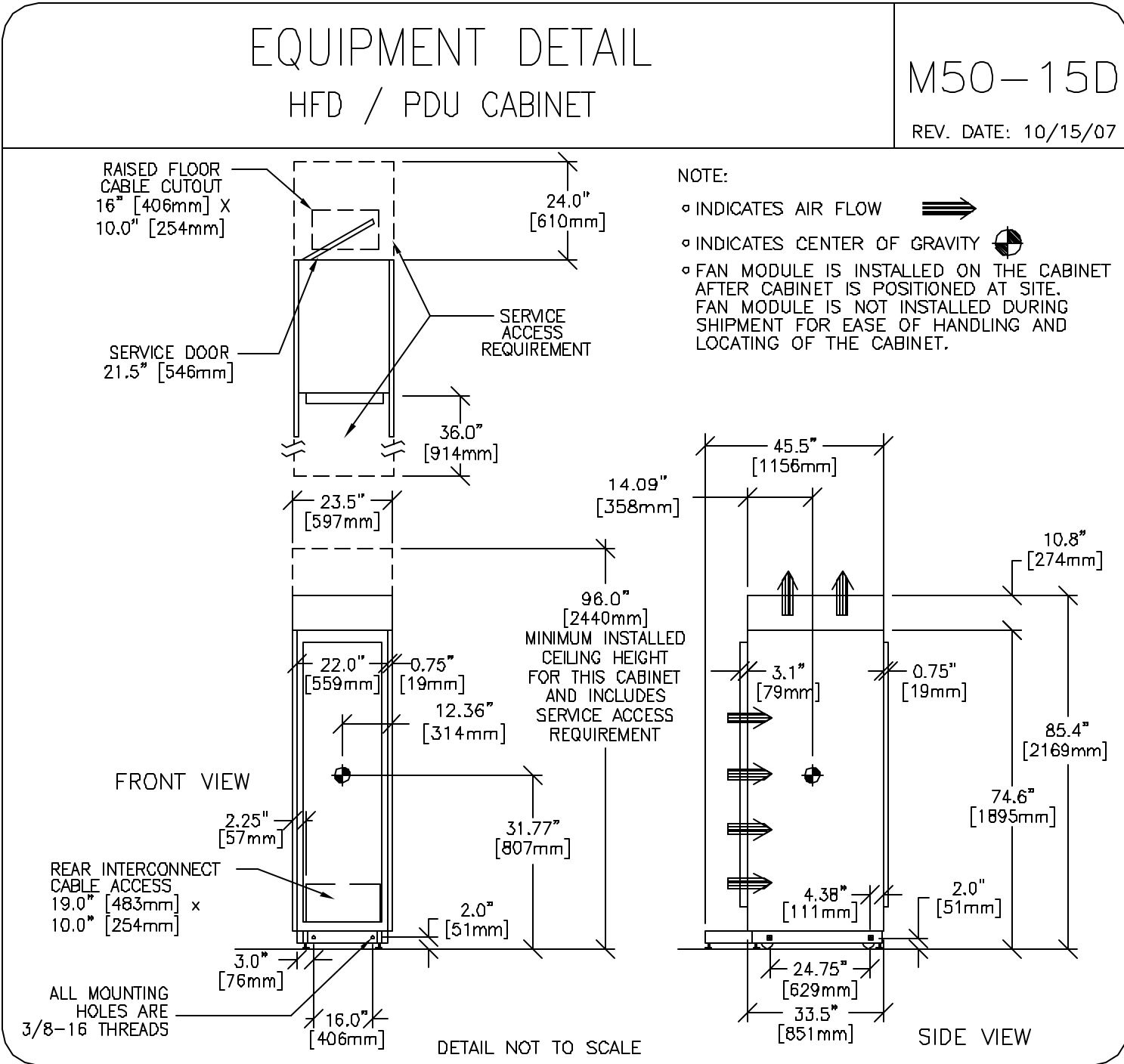
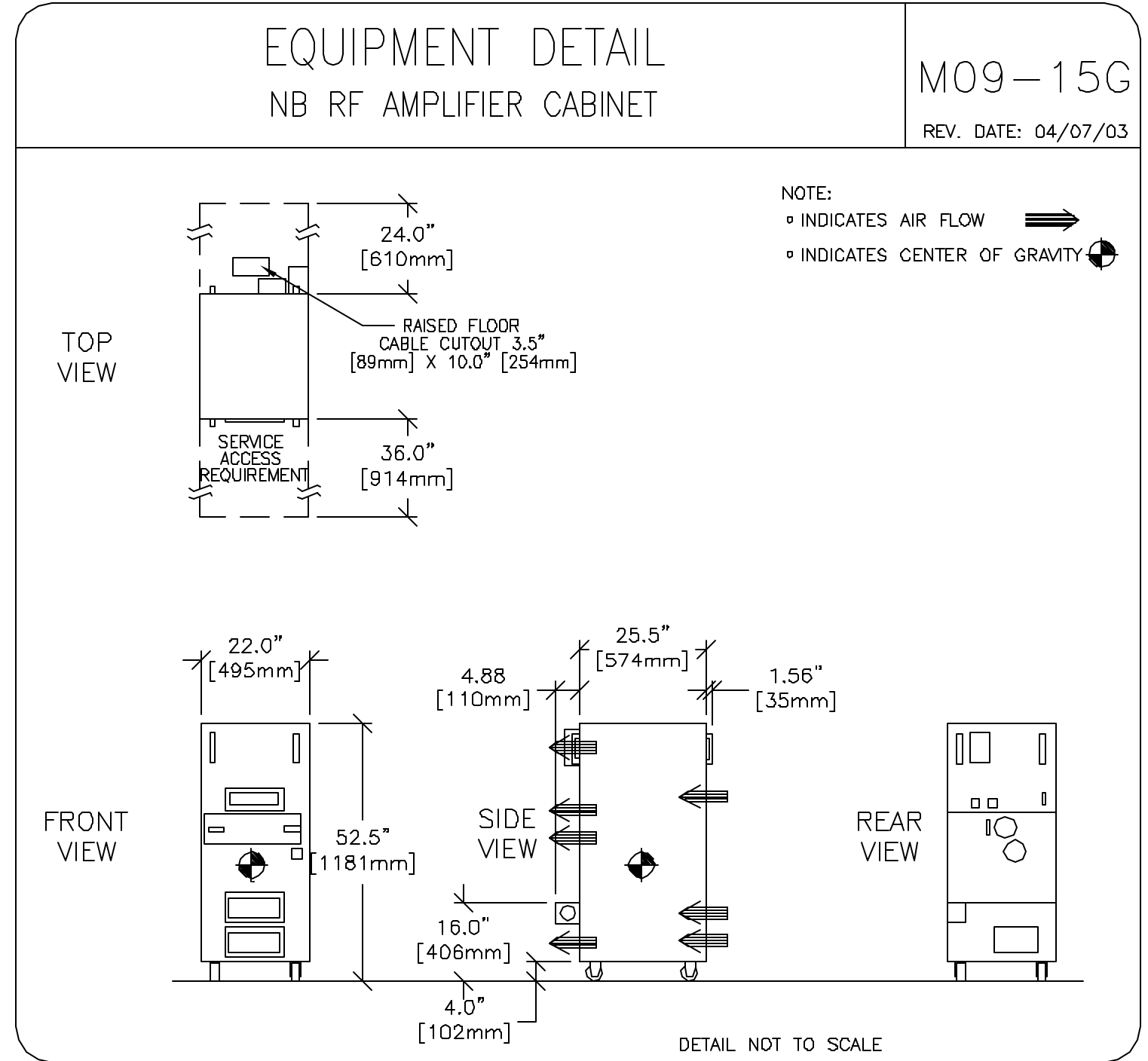
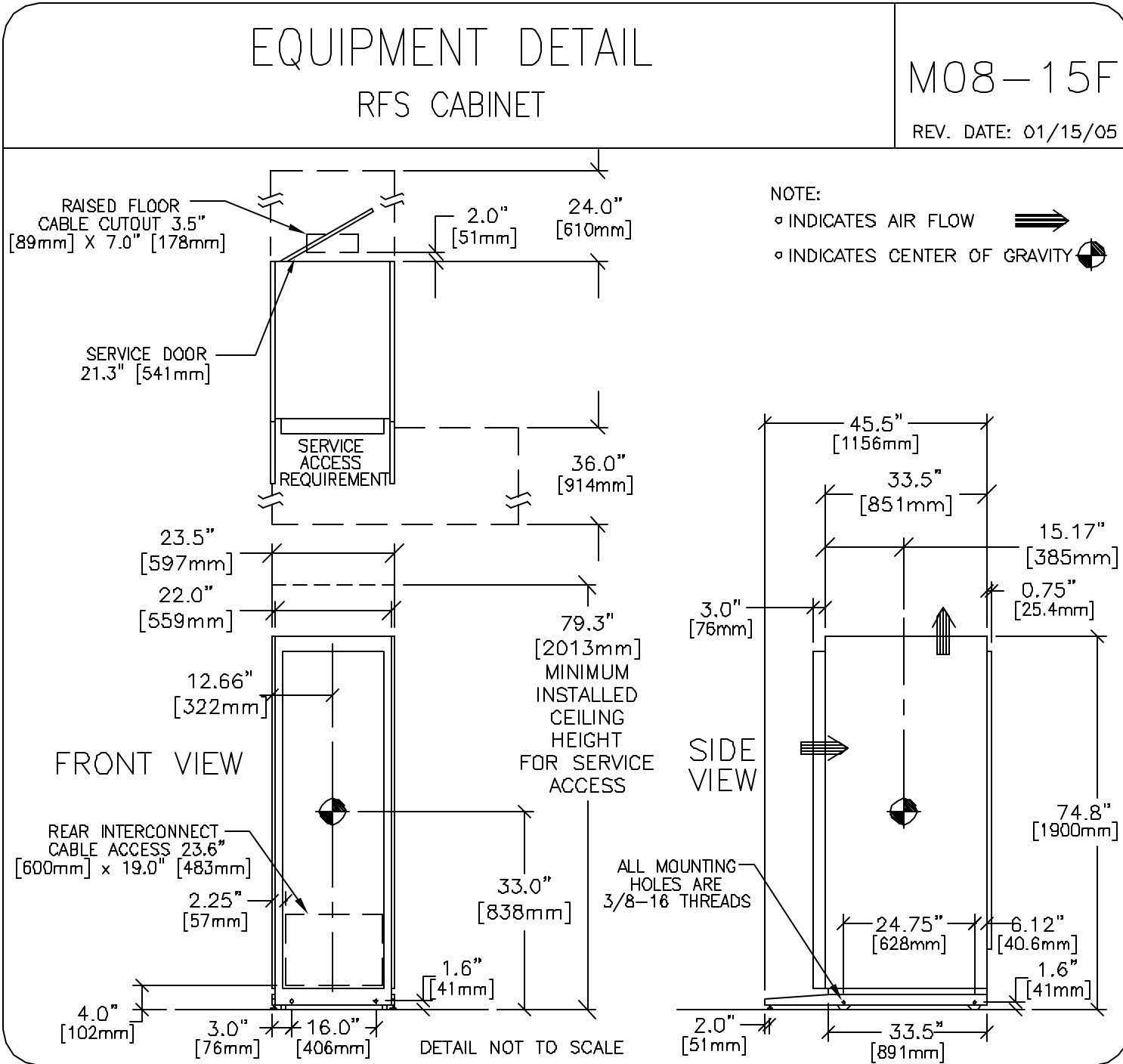
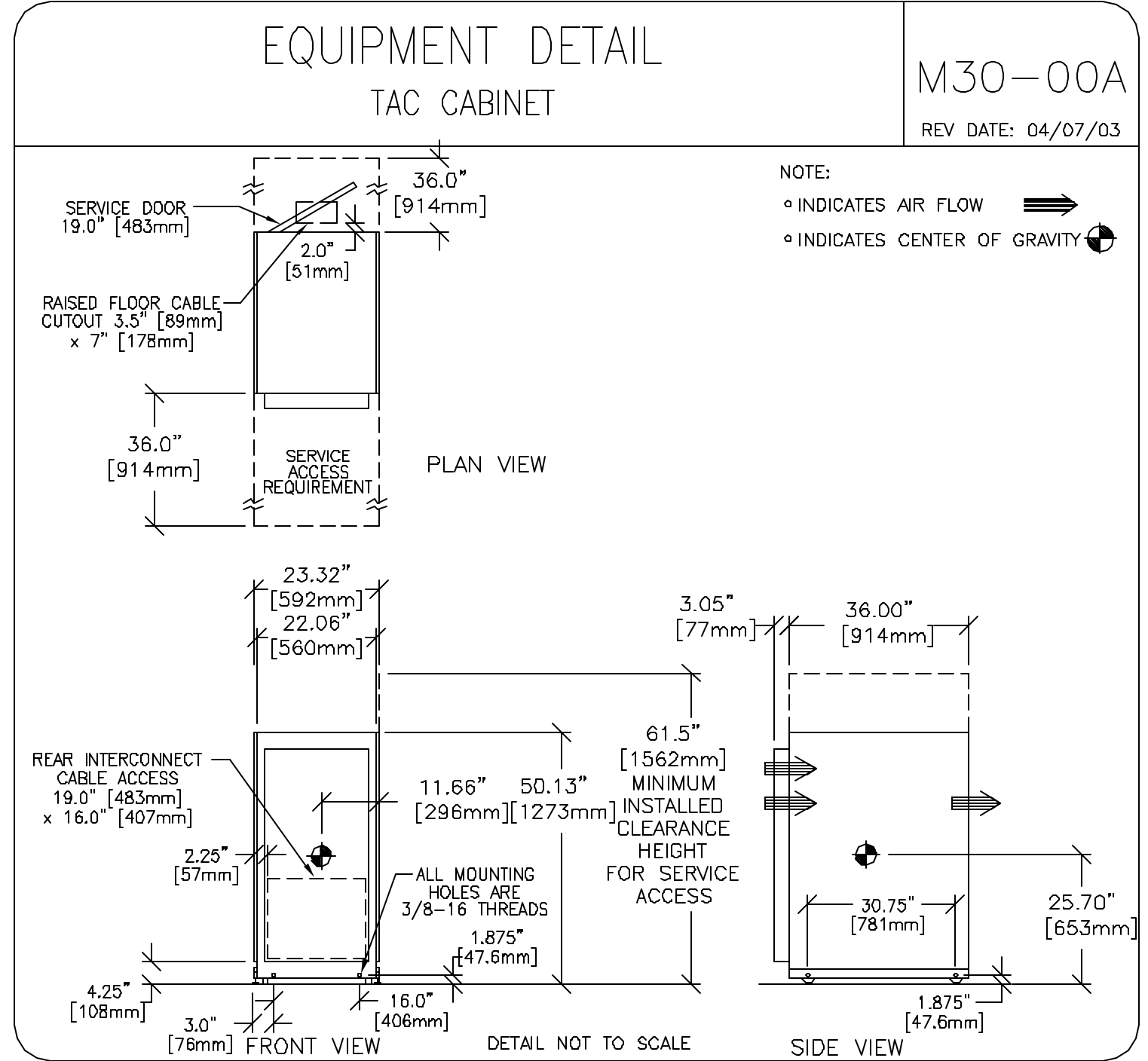
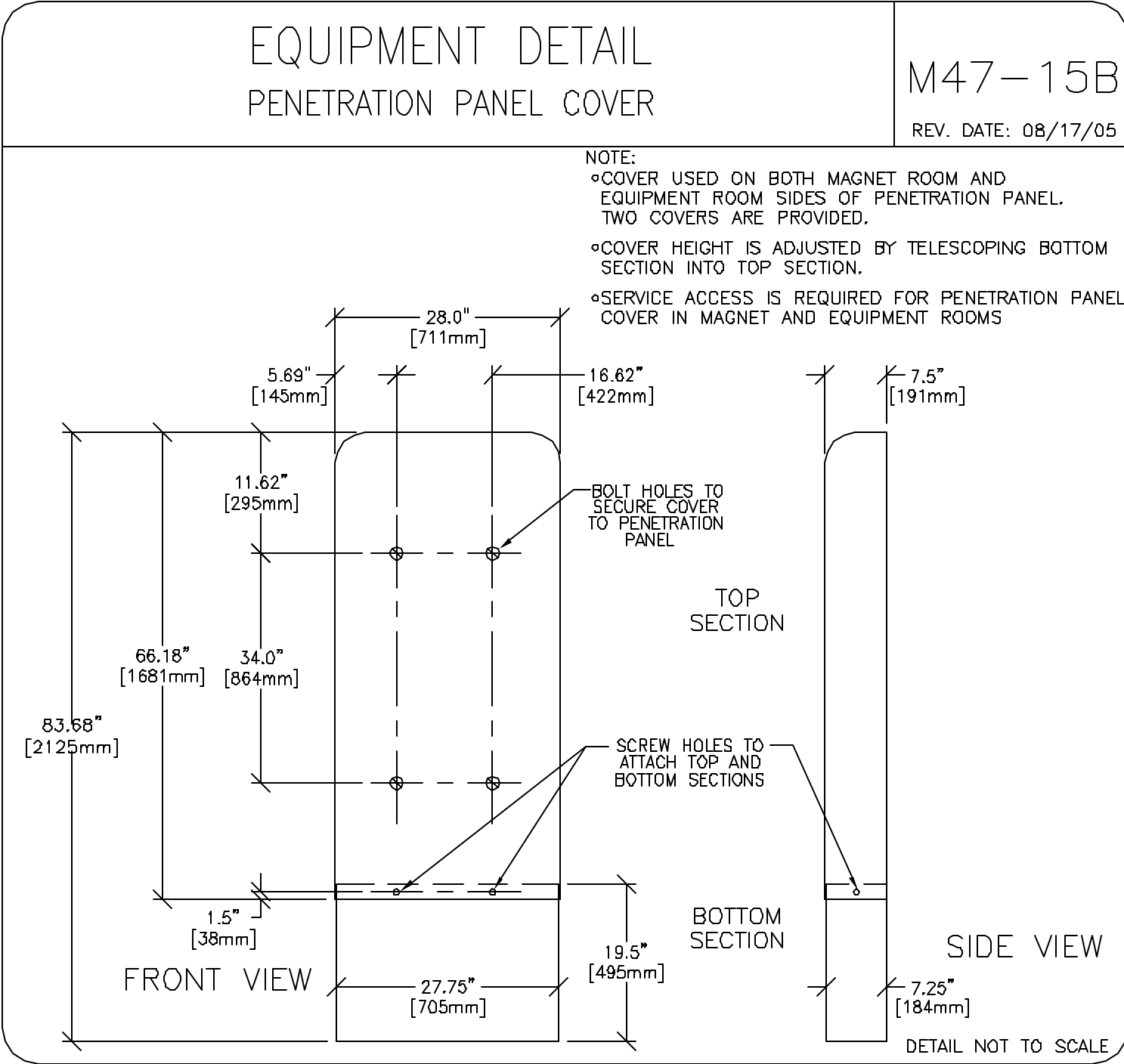
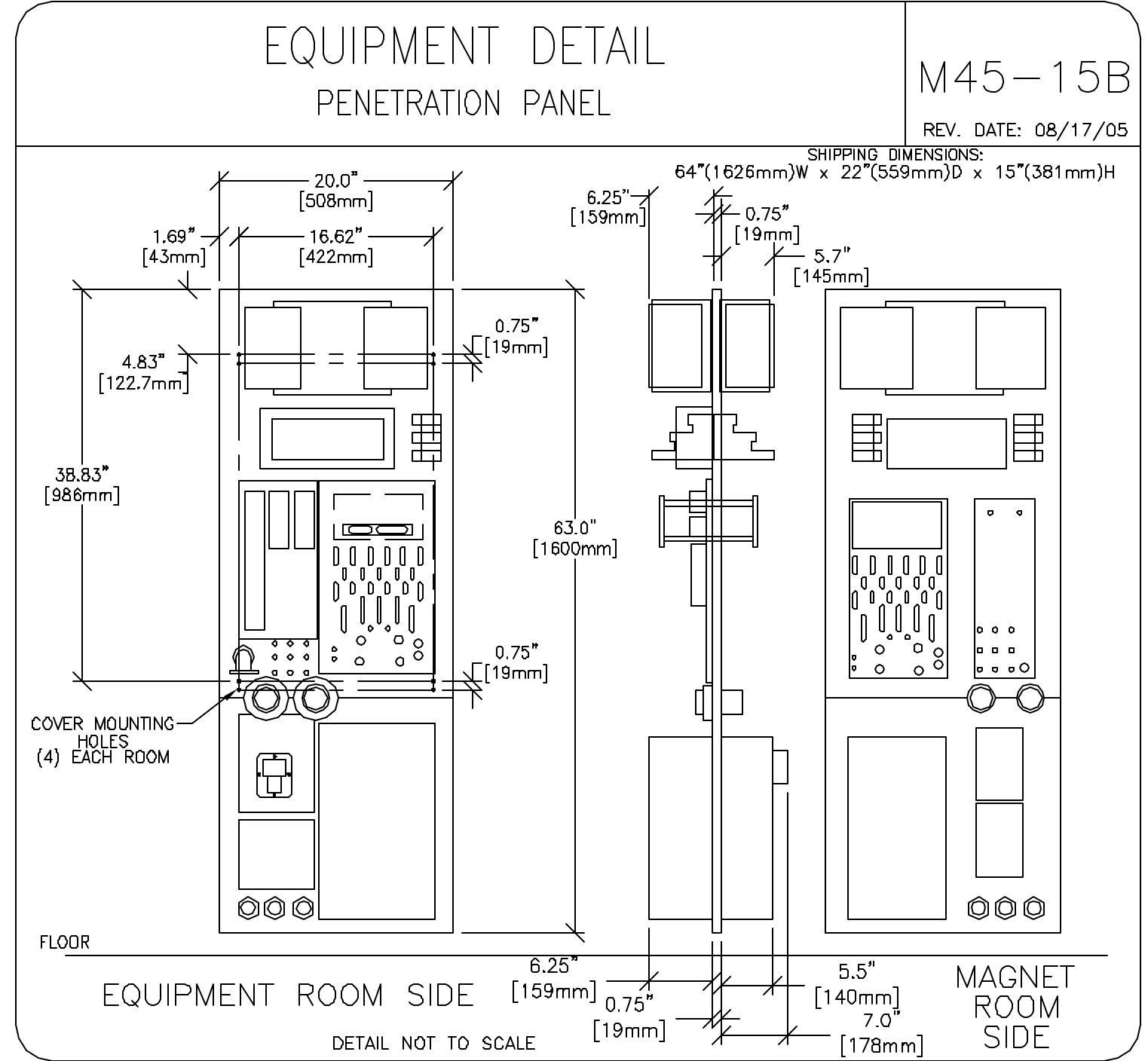
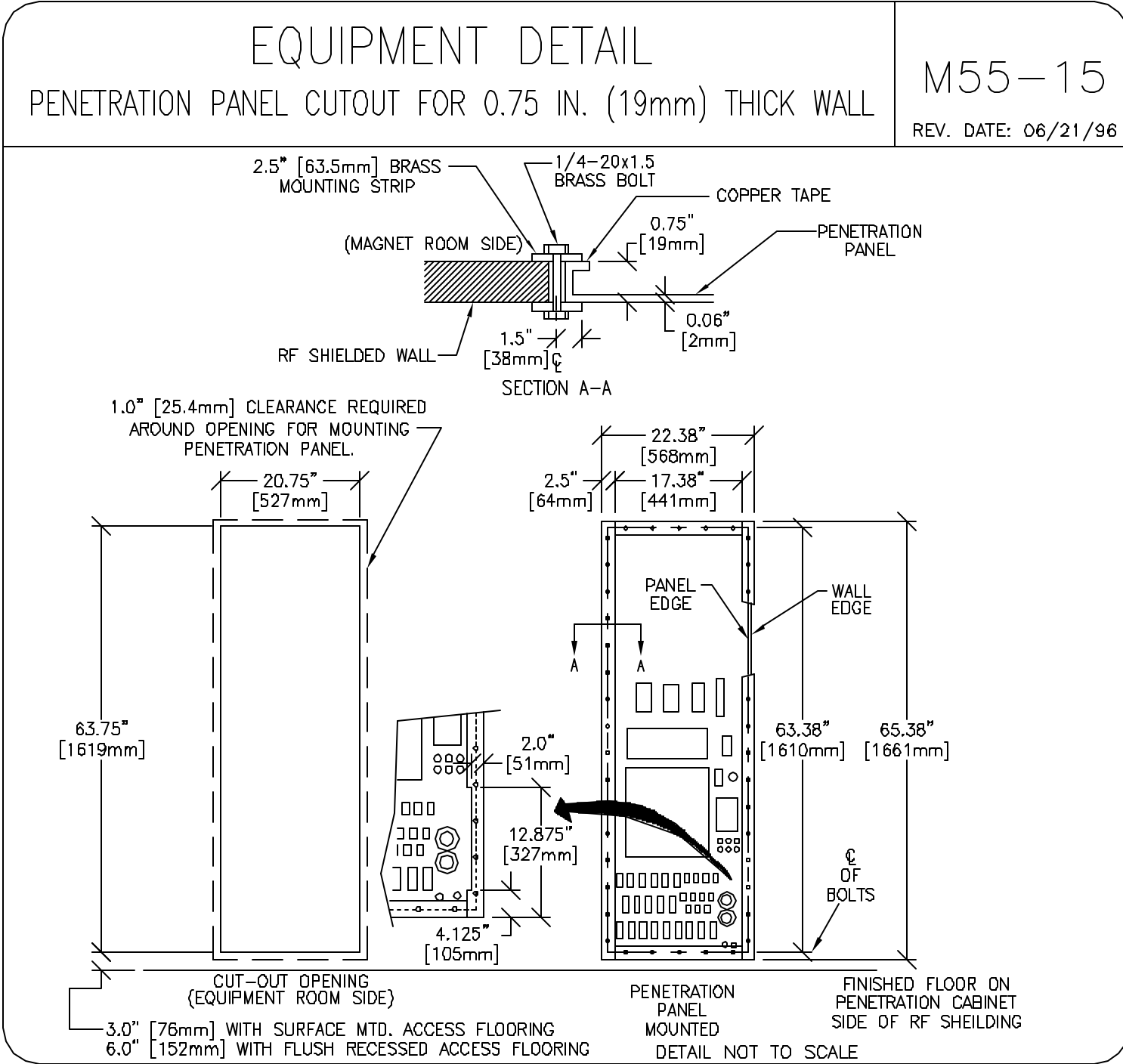
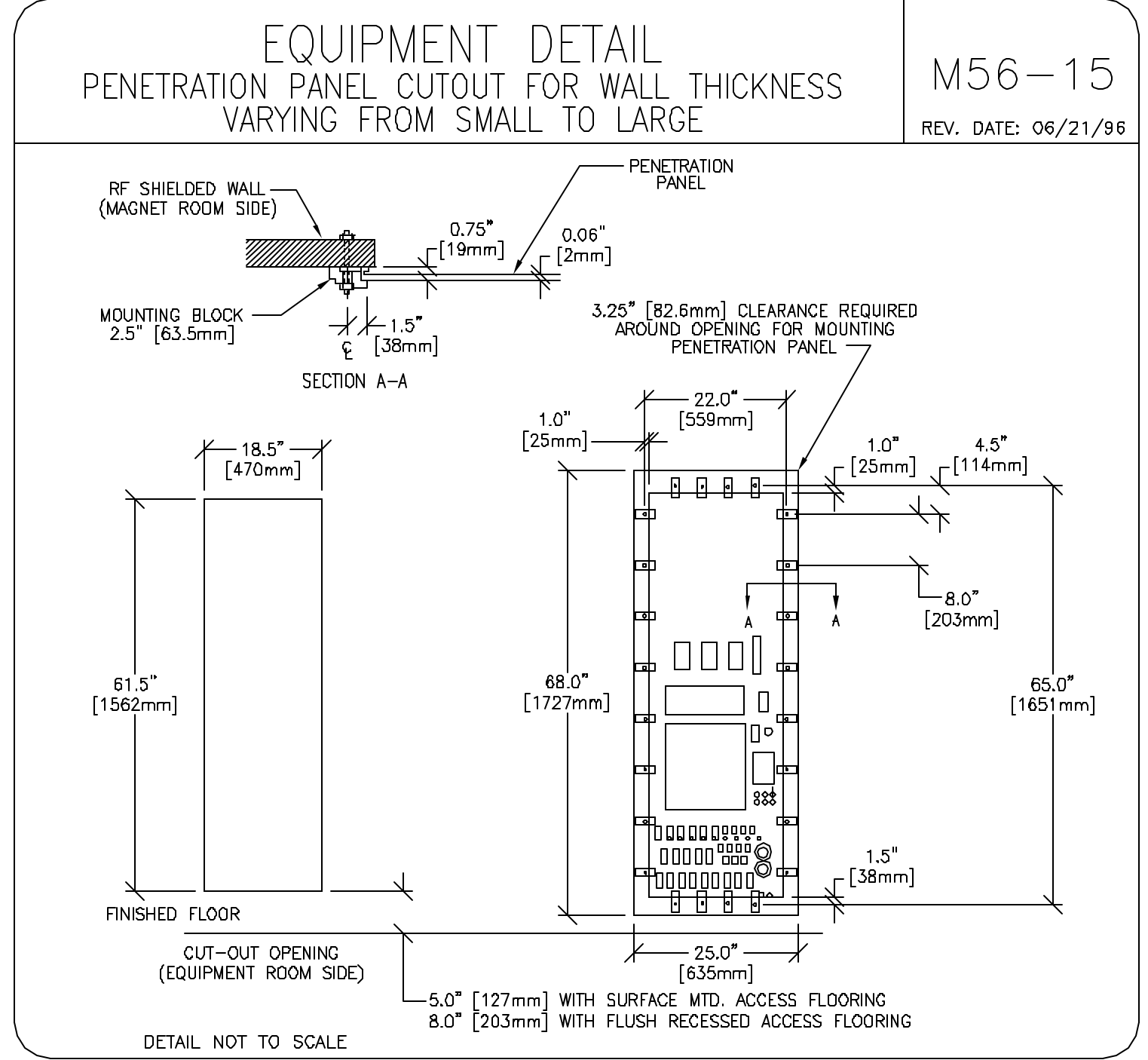
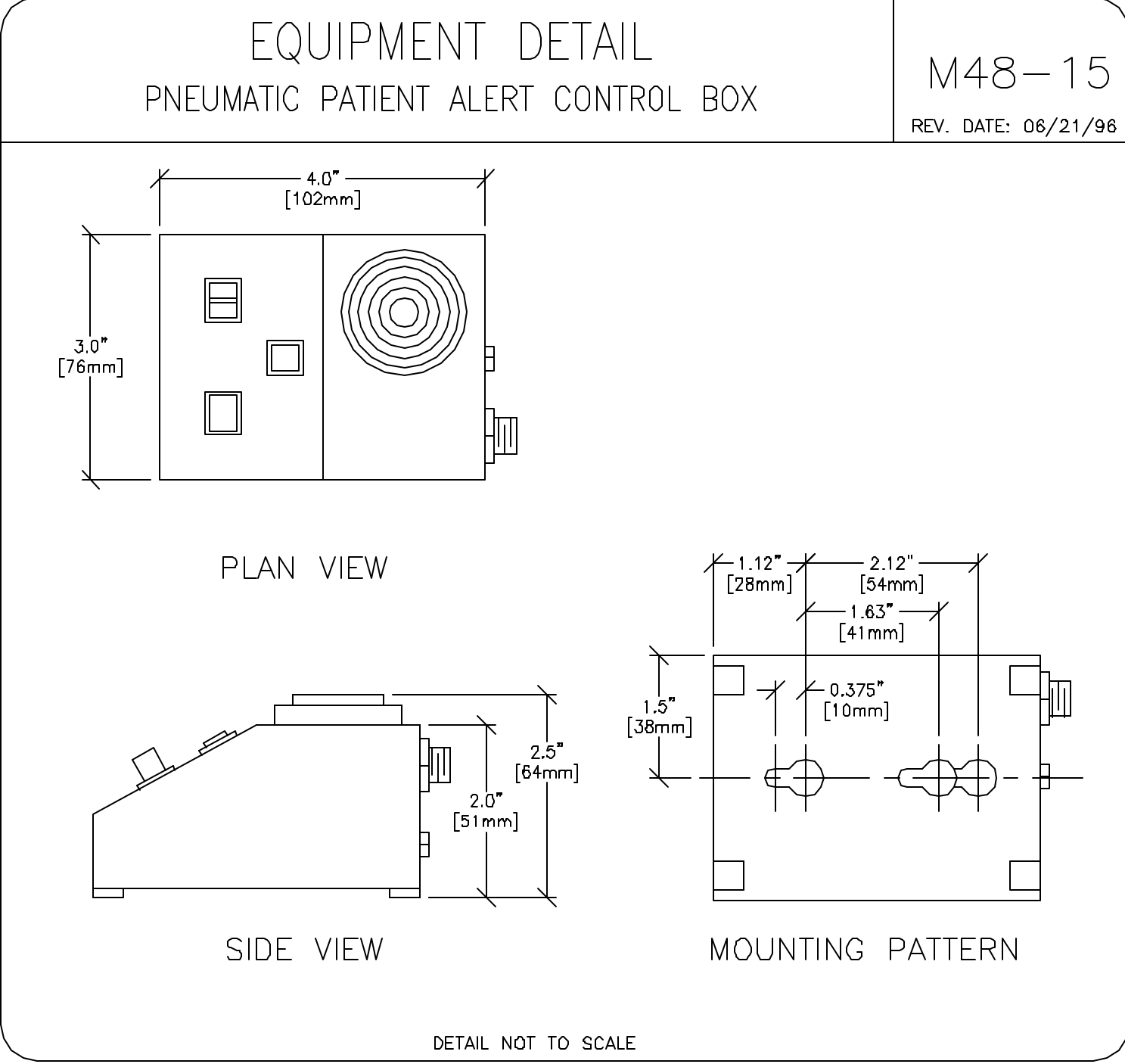
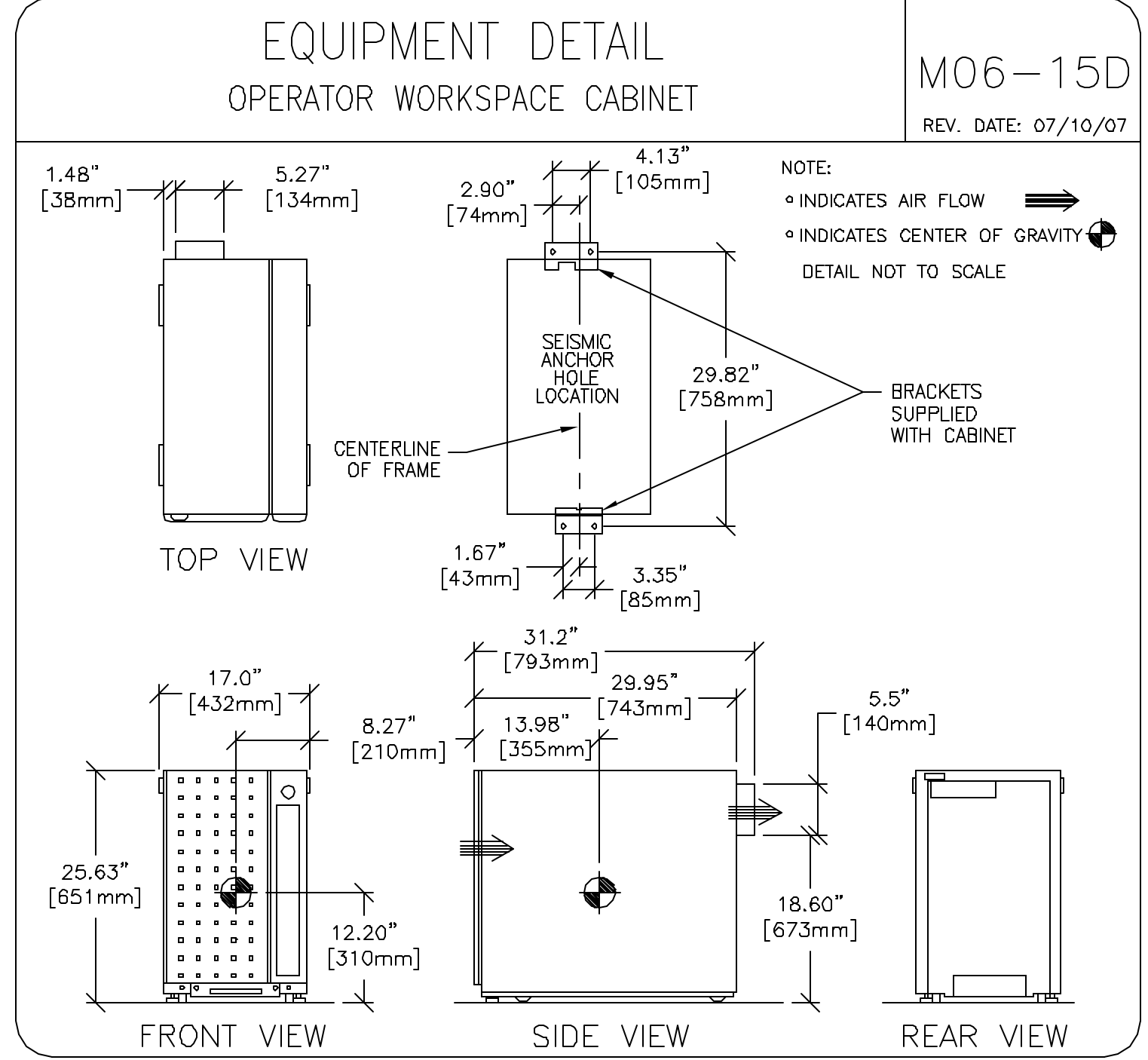
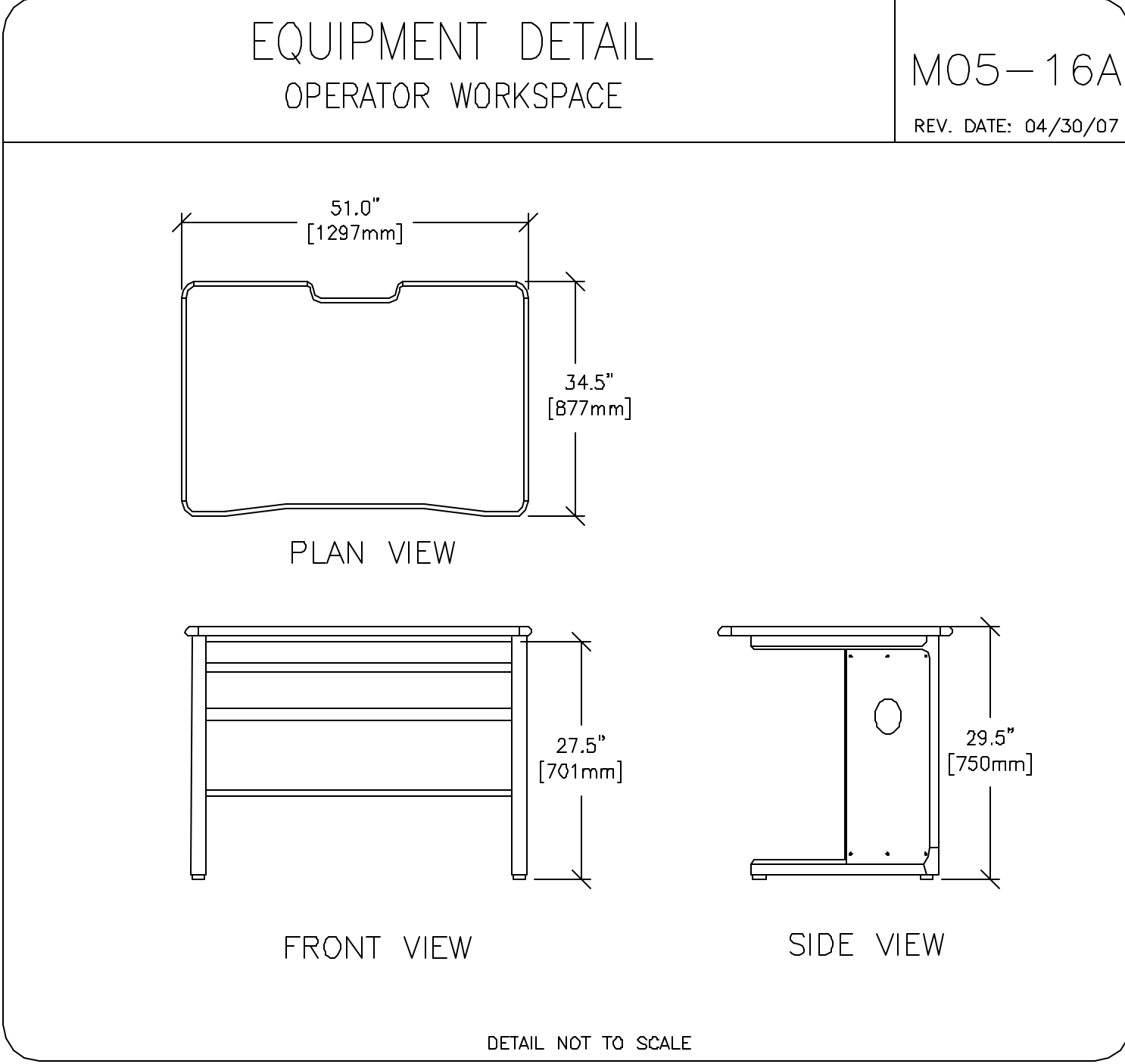
PROJECT TITLE:
 8-194F
 TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01

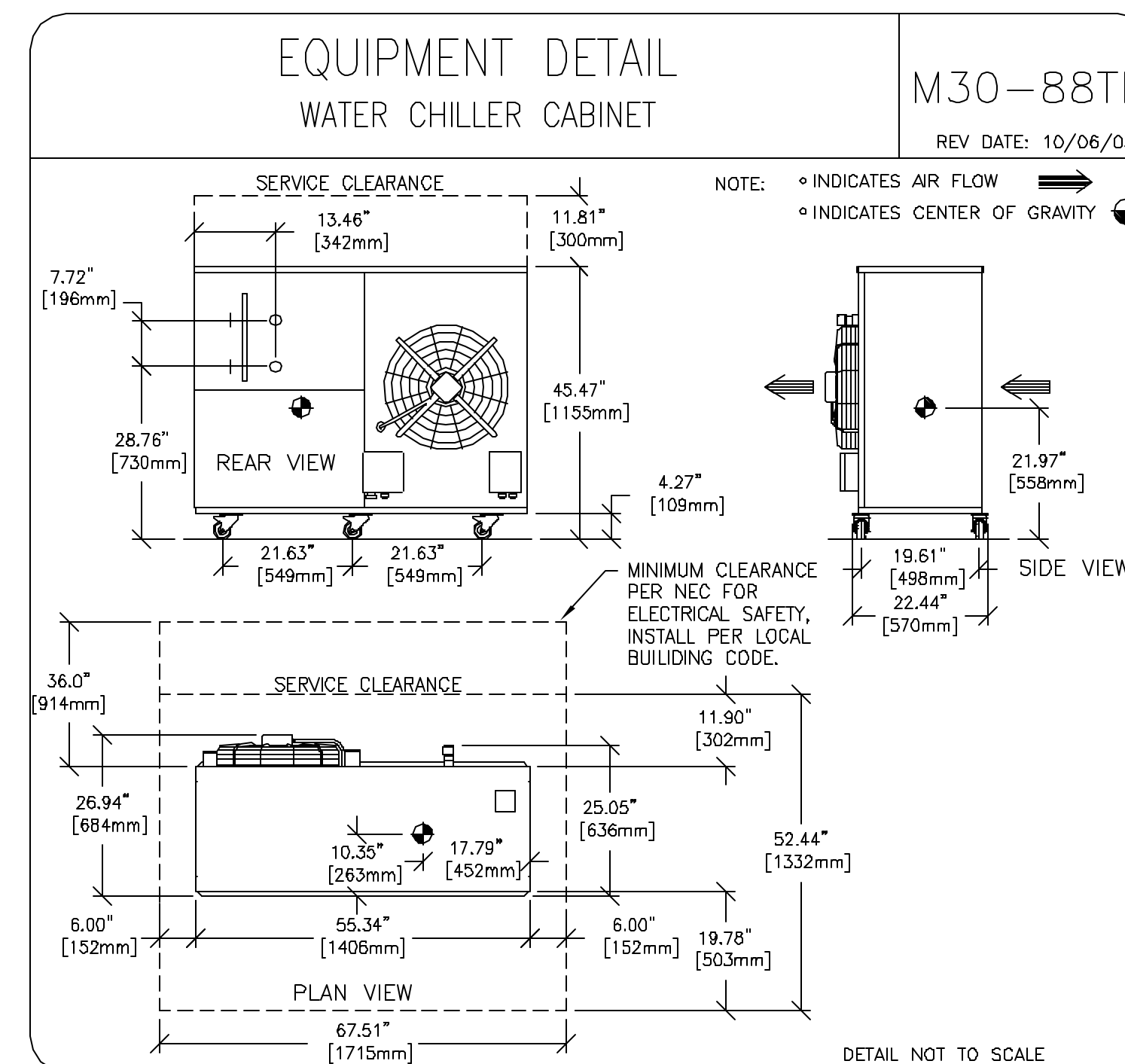
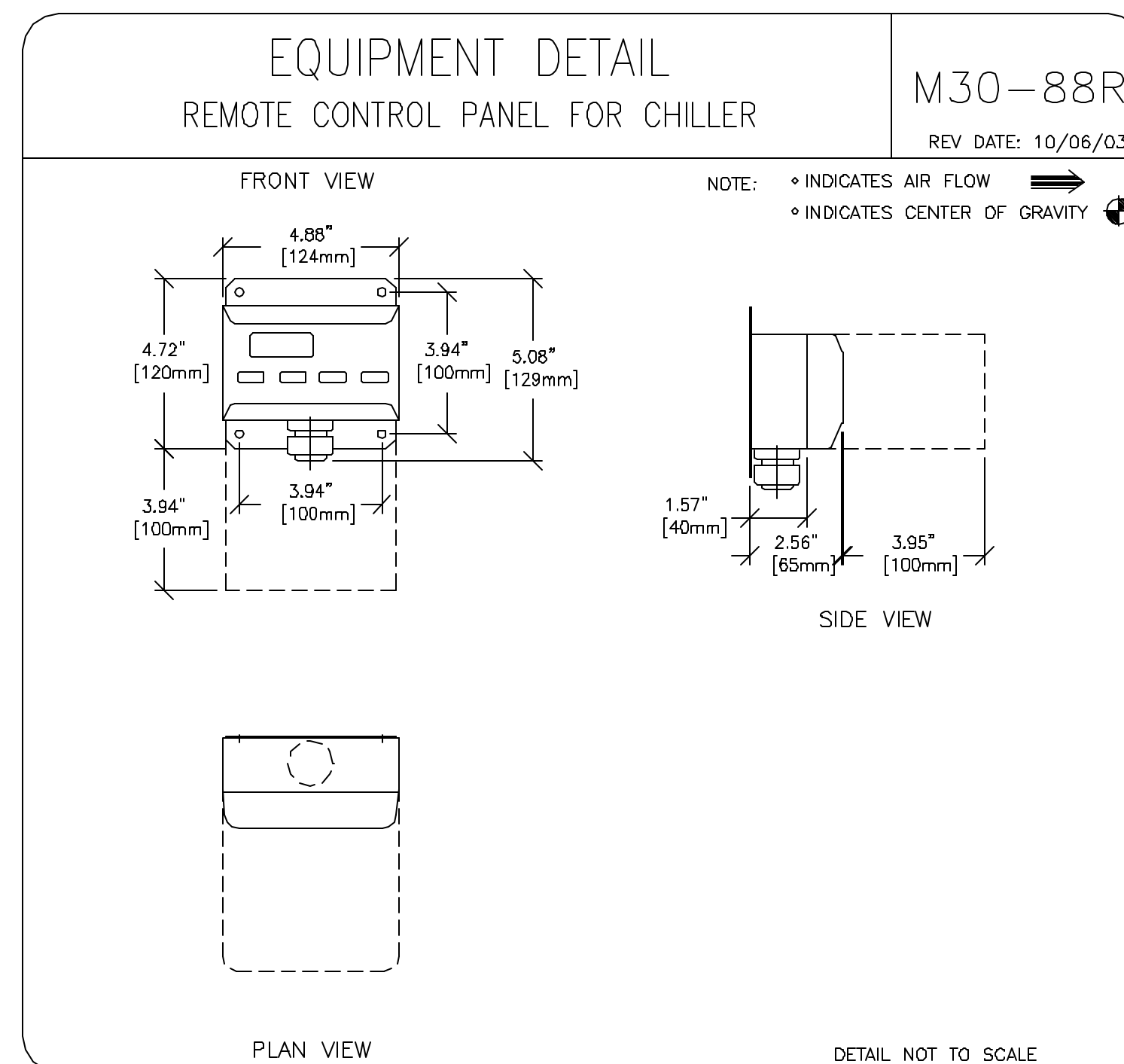
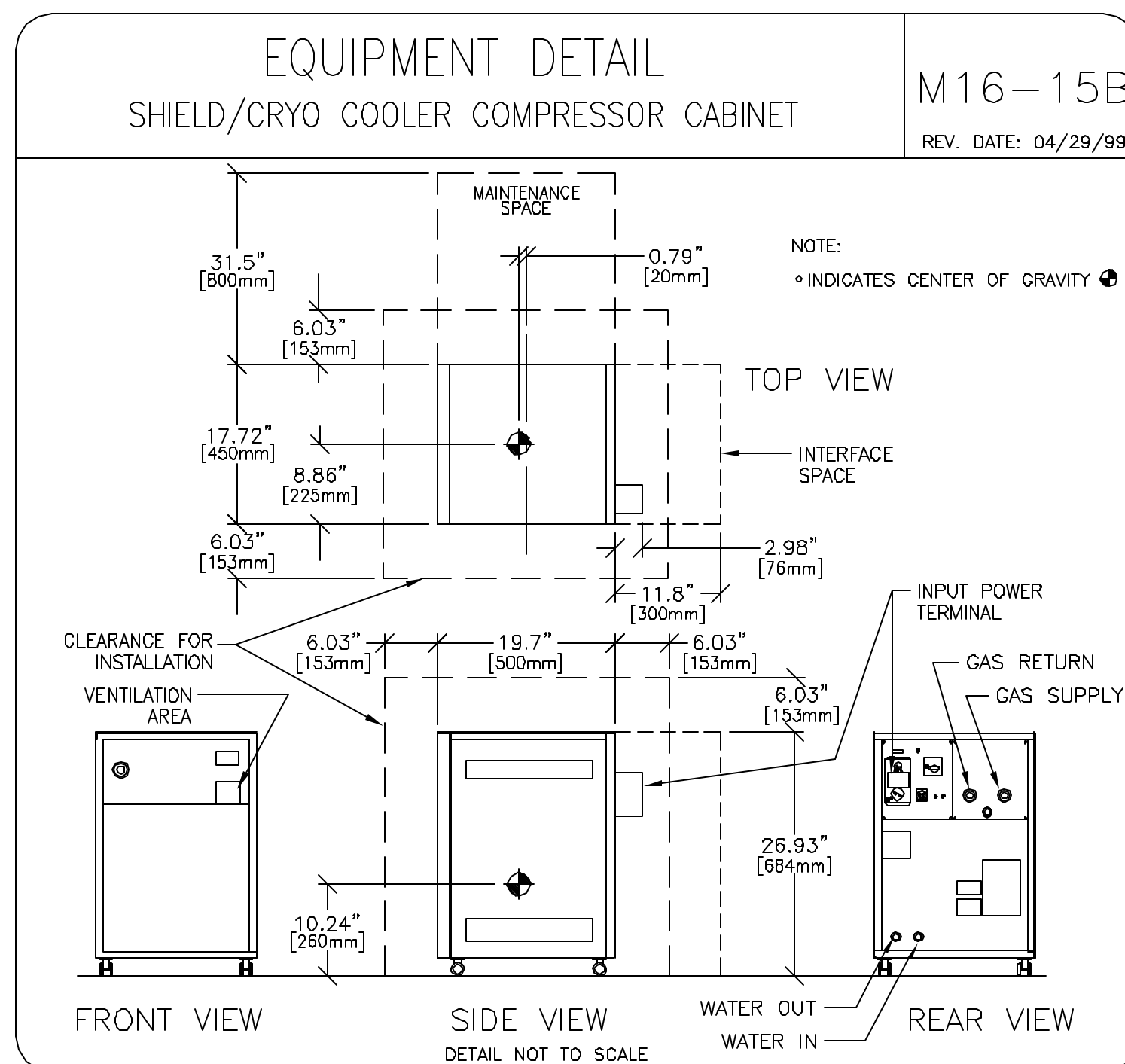
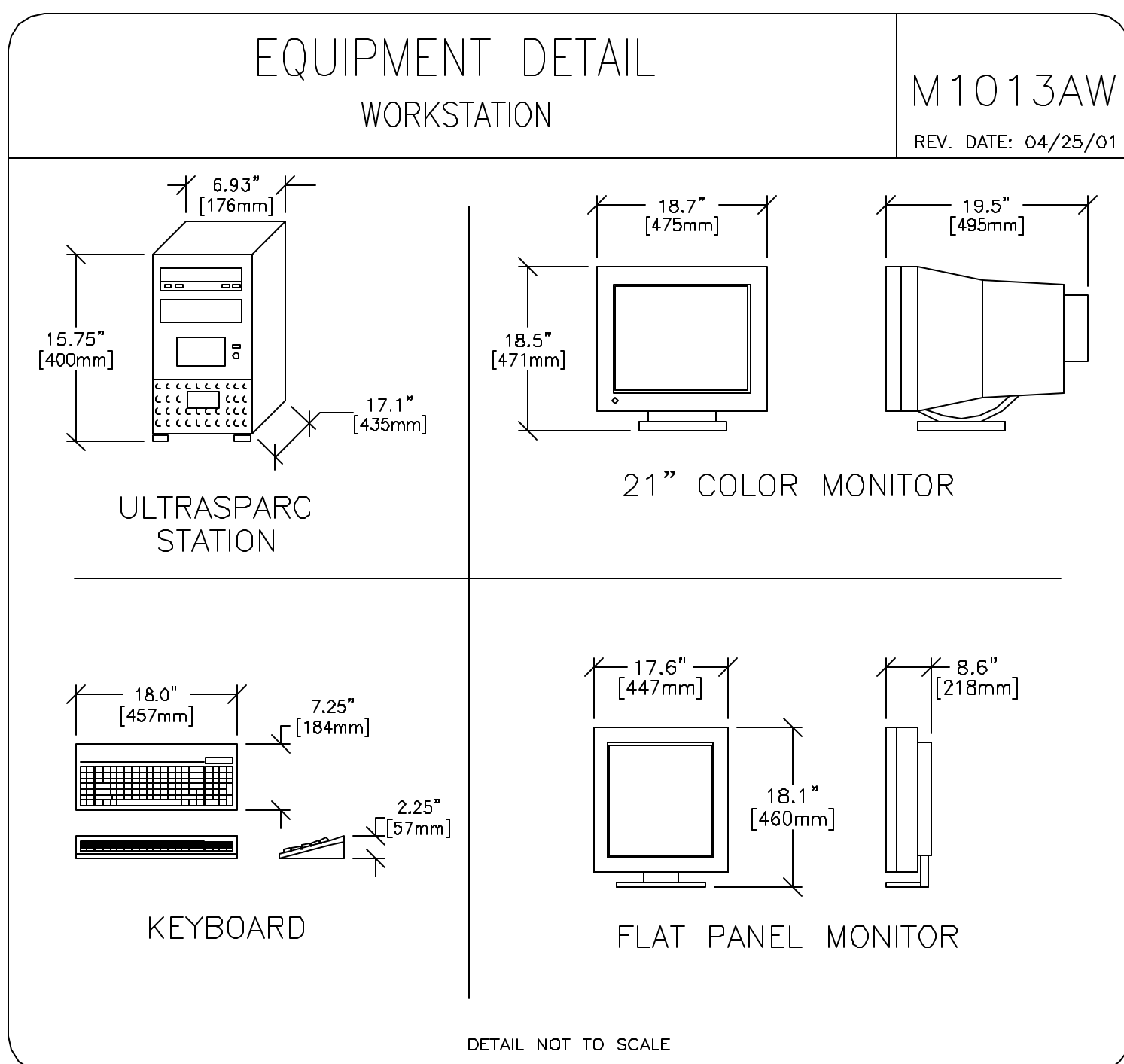
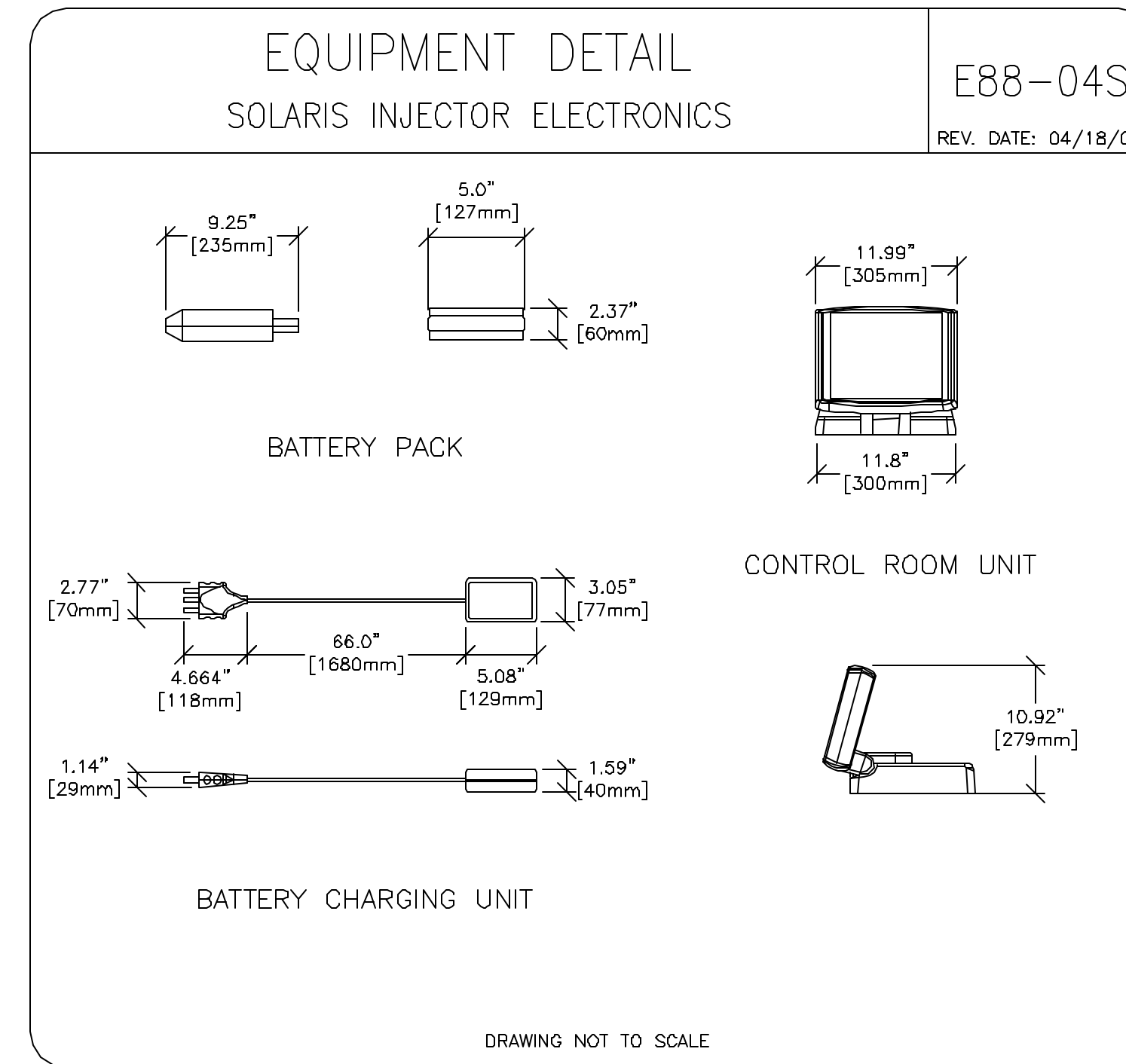
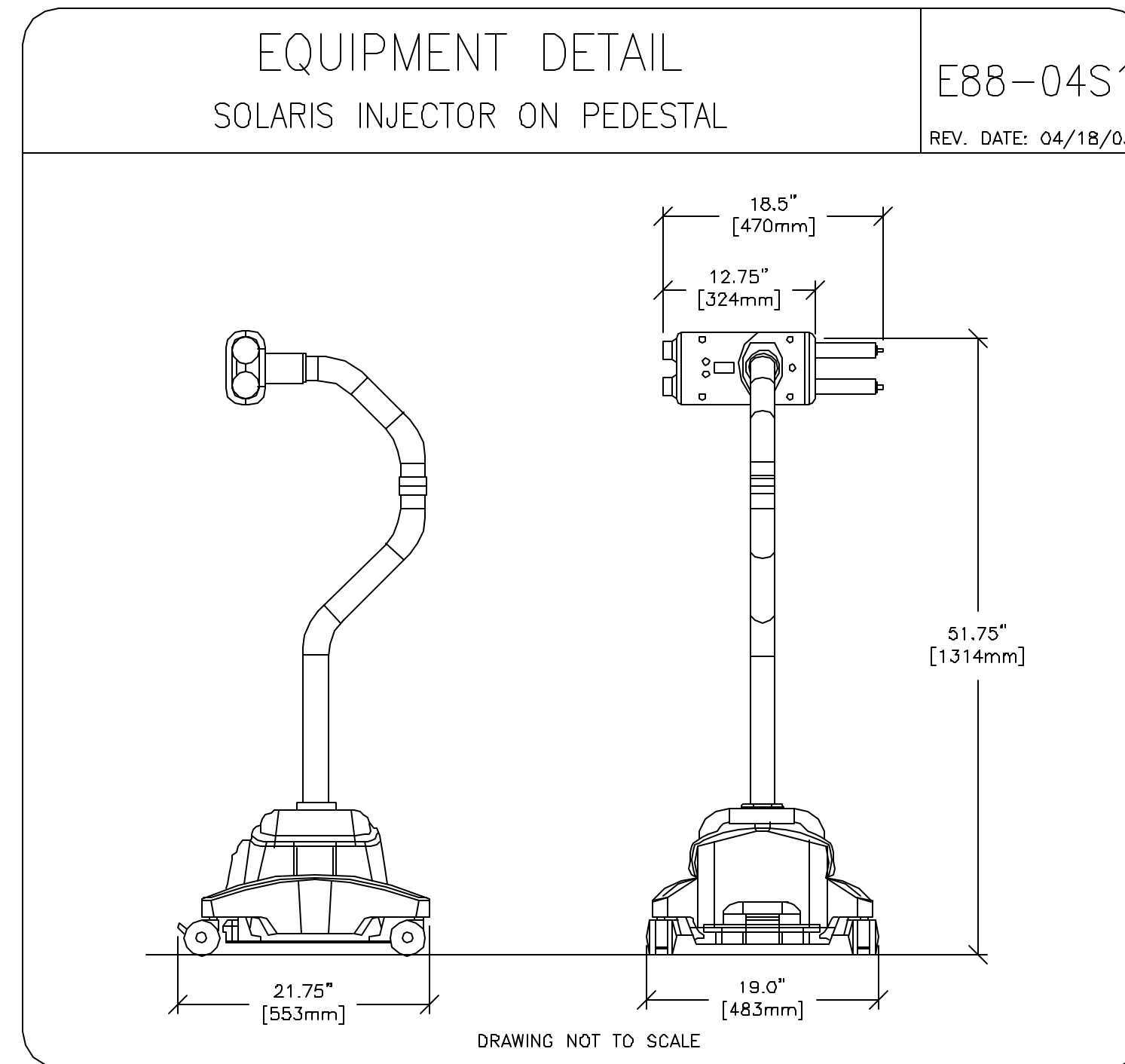
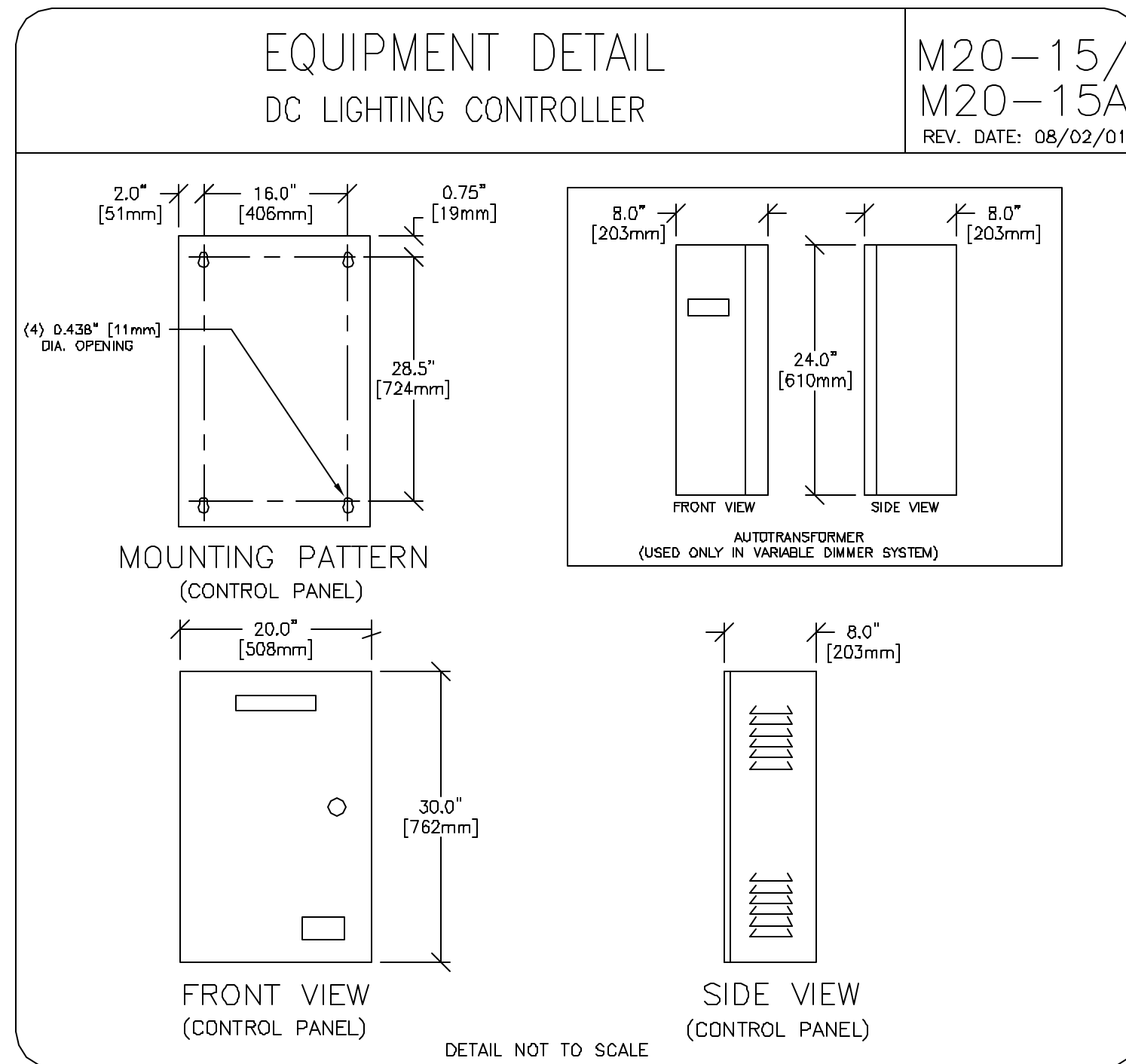
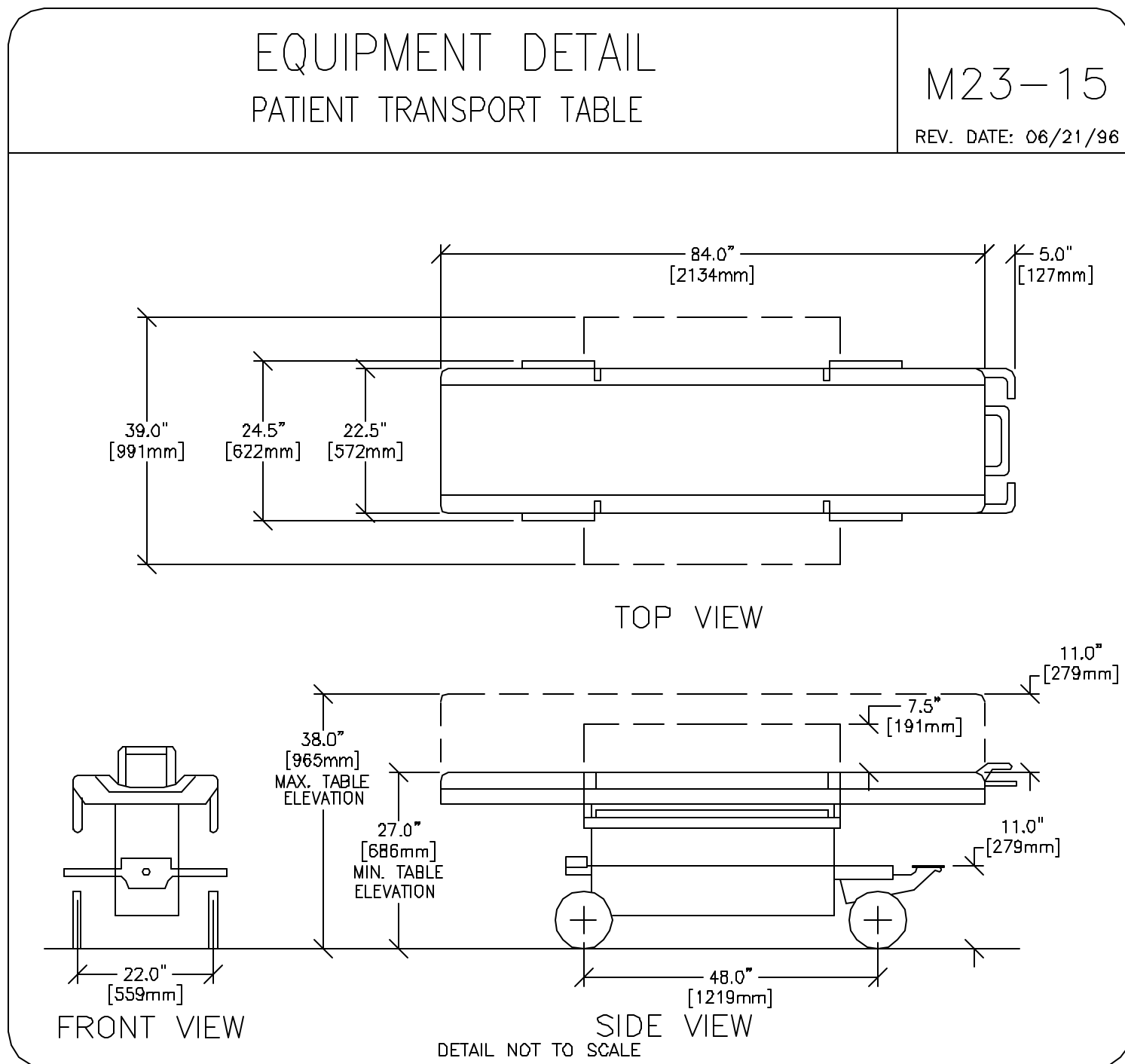
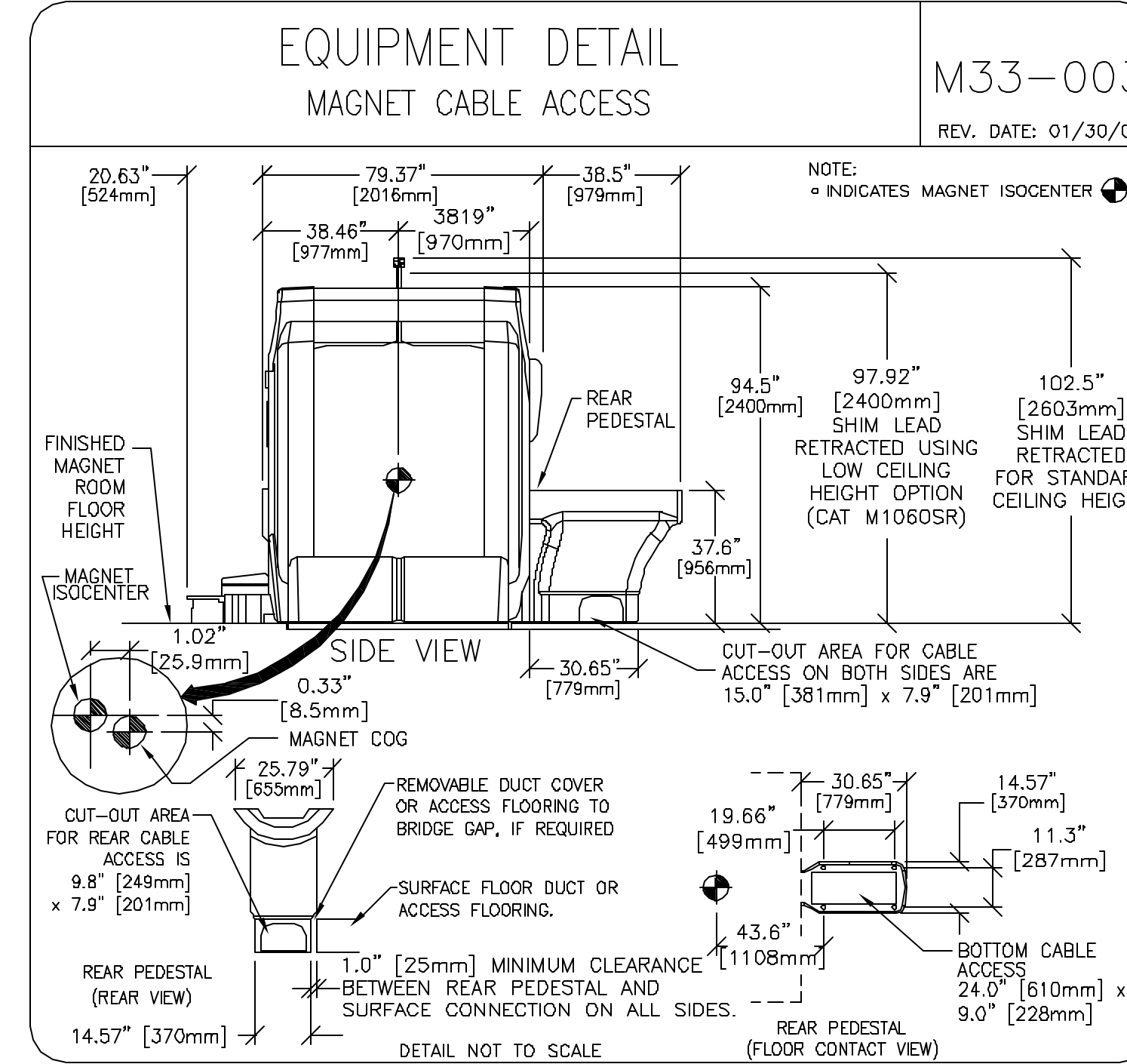
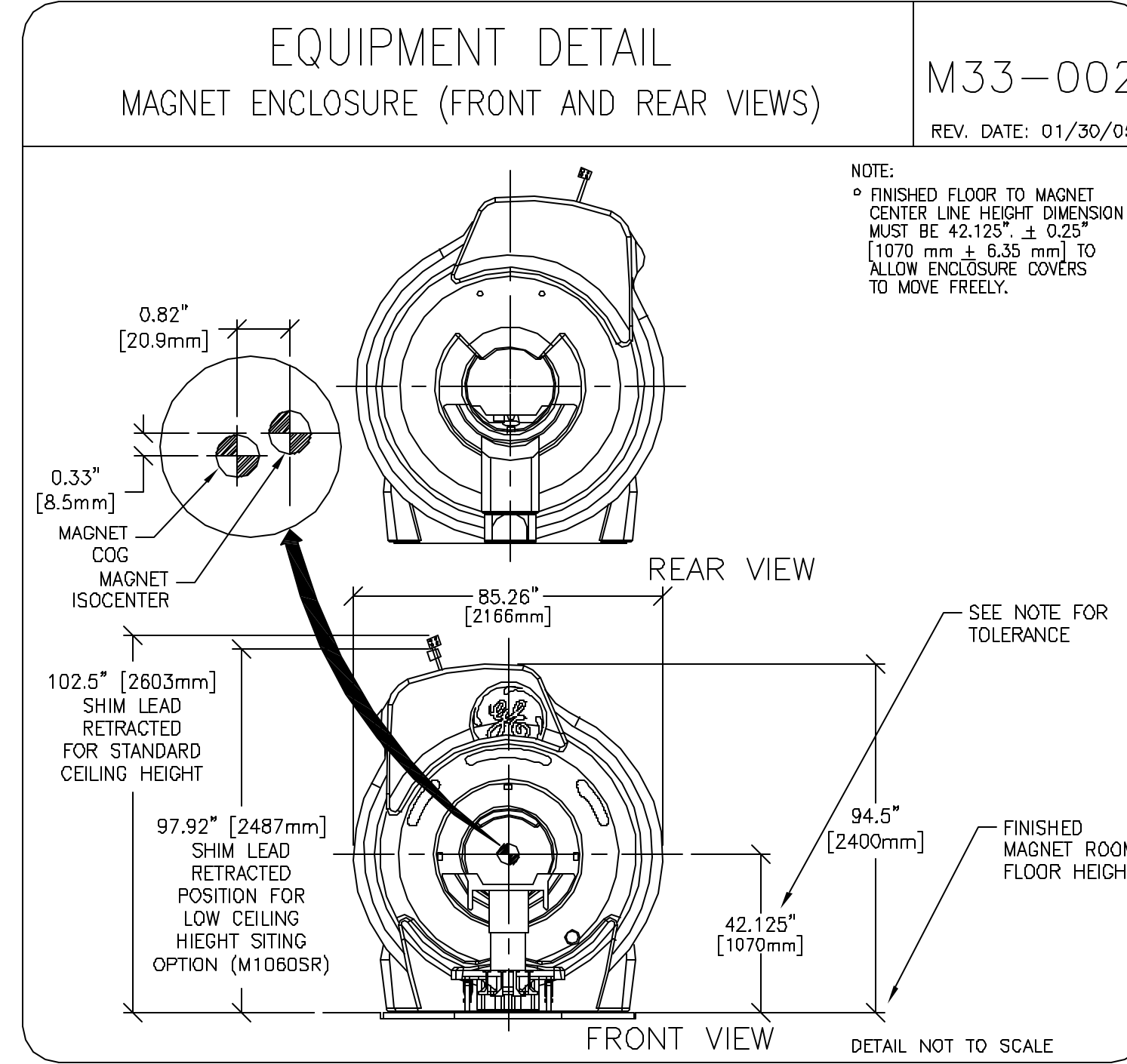
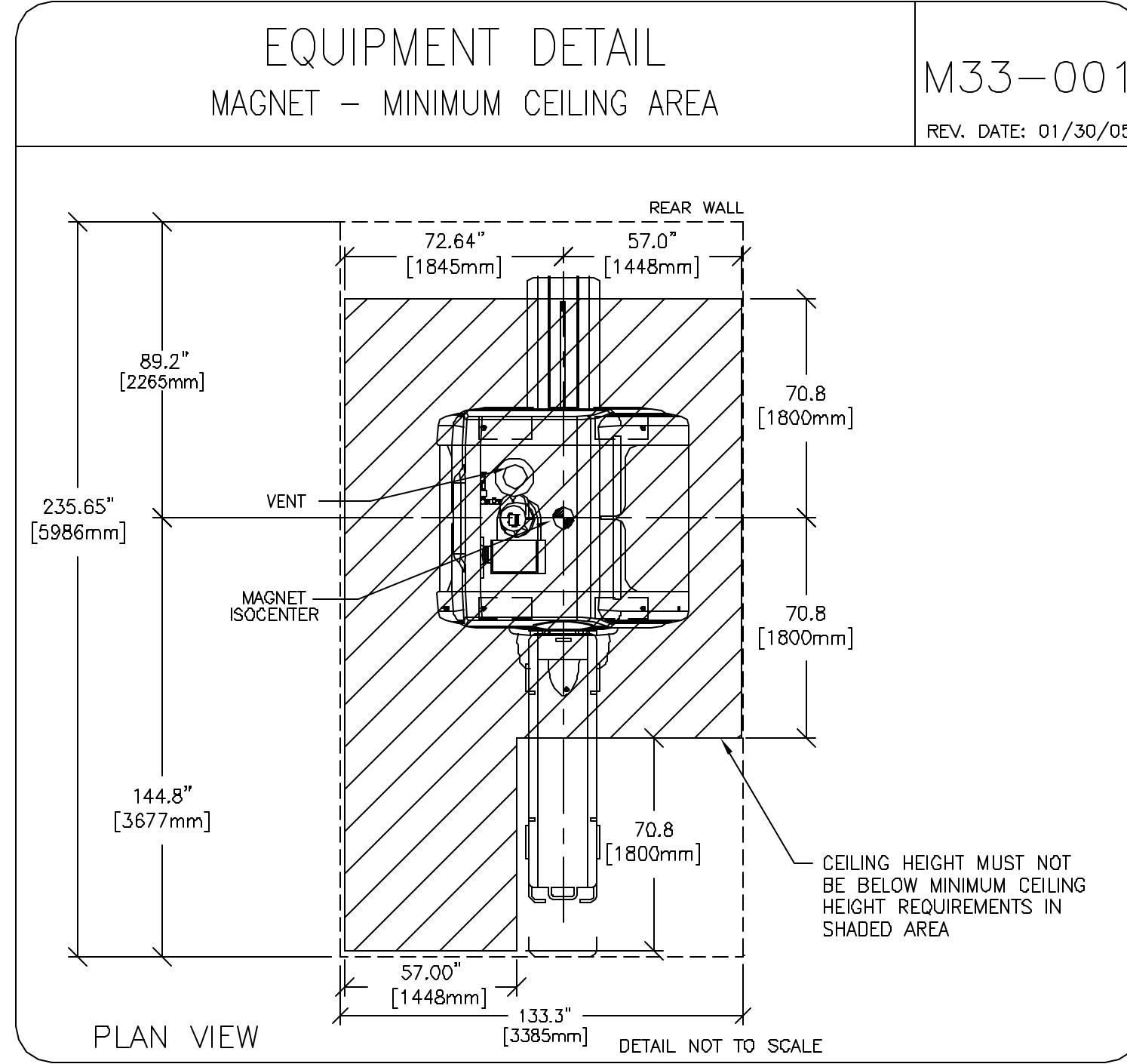
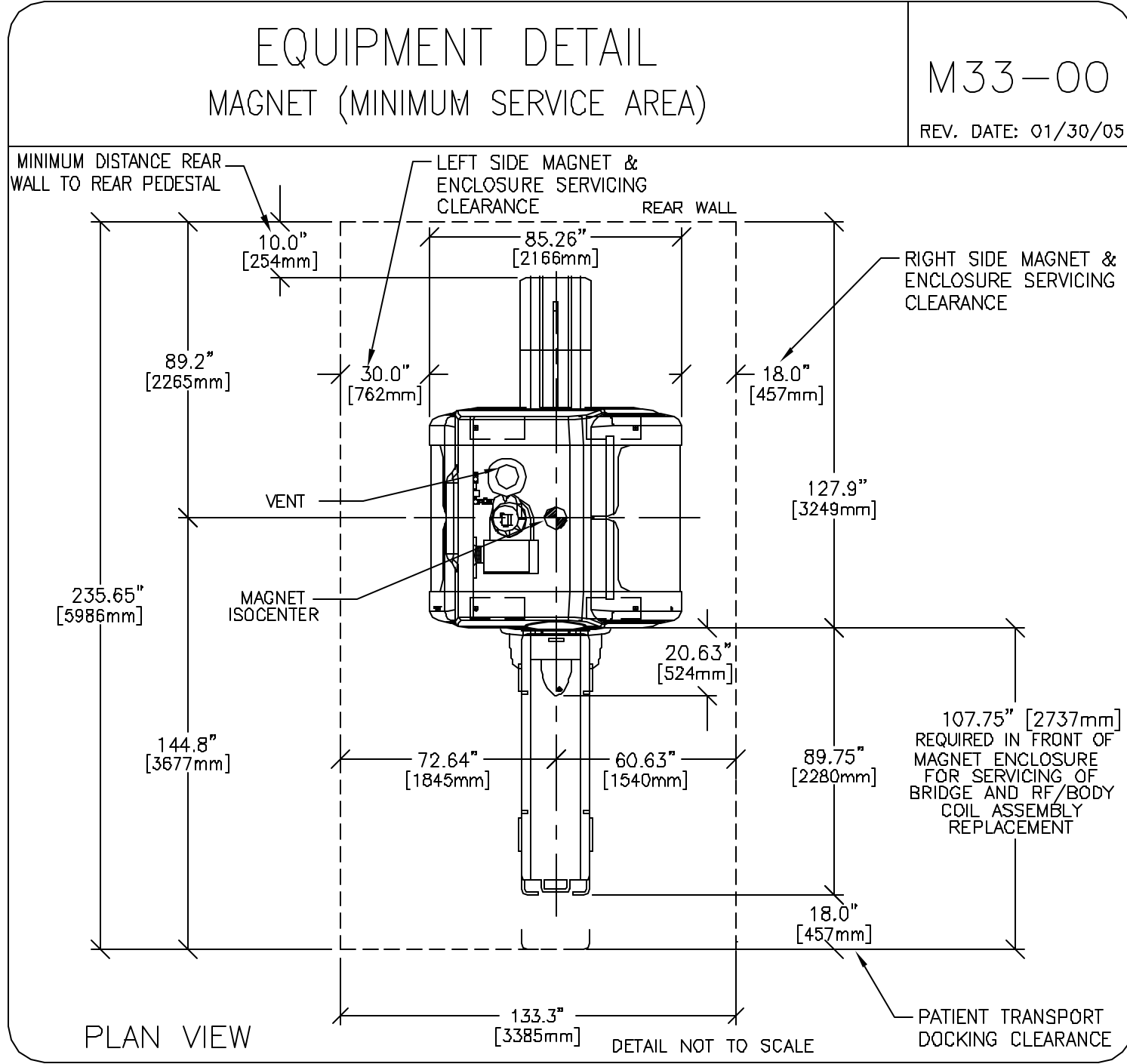
DATE: 10-19-07
 DRAWN BY: SDB
 CHECKED BY: PMM

REVISION HISTORY:

SHEET
 M1



This drawing is based on Sketch No.: B-194



GE Healthcare Technologies
 Installation Services Design Center
 Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
 MODALITY TYPE: 3.0T SIGNA EXCITE HD
 THIS PLAN IS SUBMITTED TO ASSIST IN THE LOCATION OF THE NEUTRONIC 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 EQUIPMENT MANUFACTURER. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

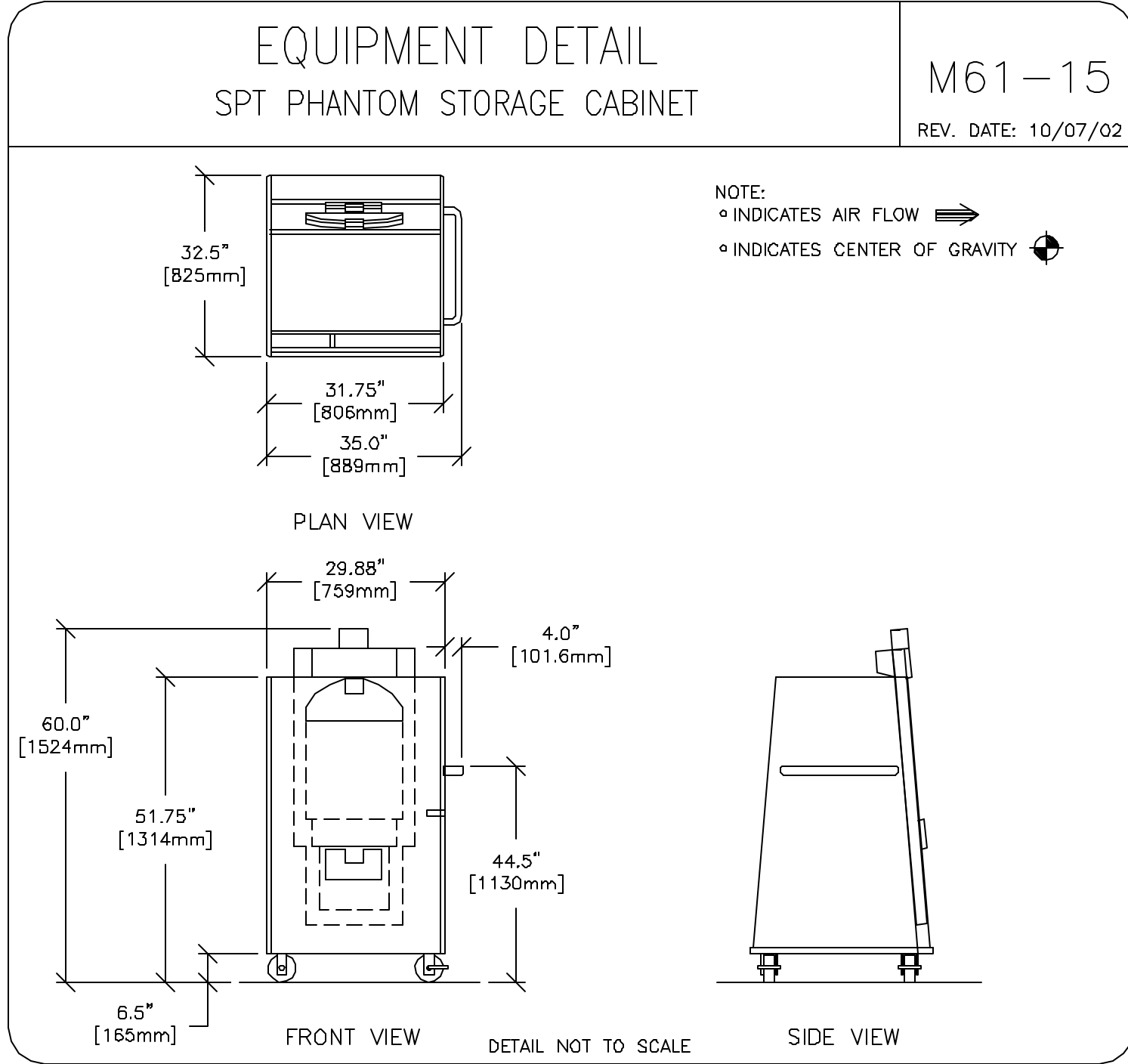
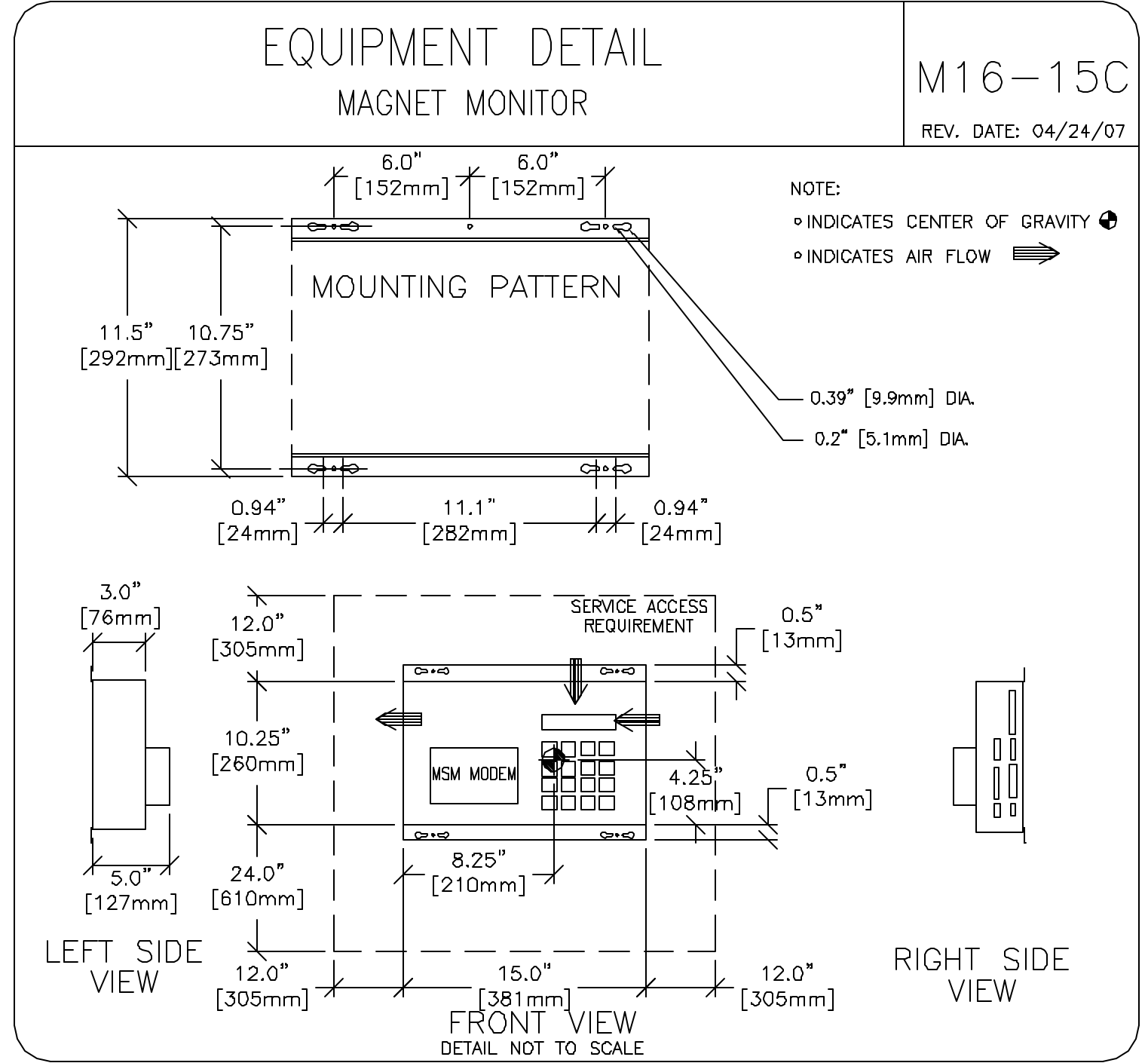
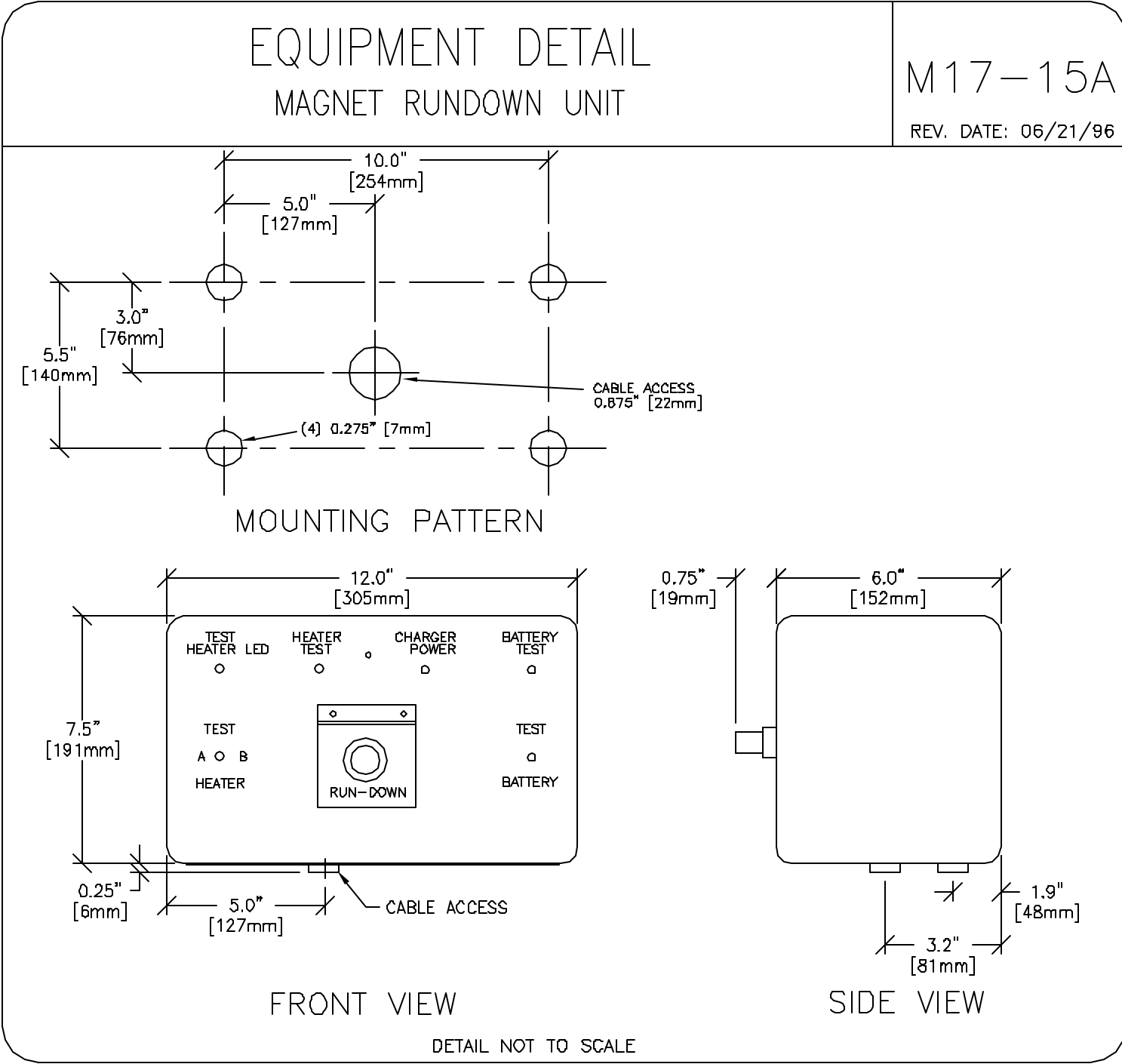
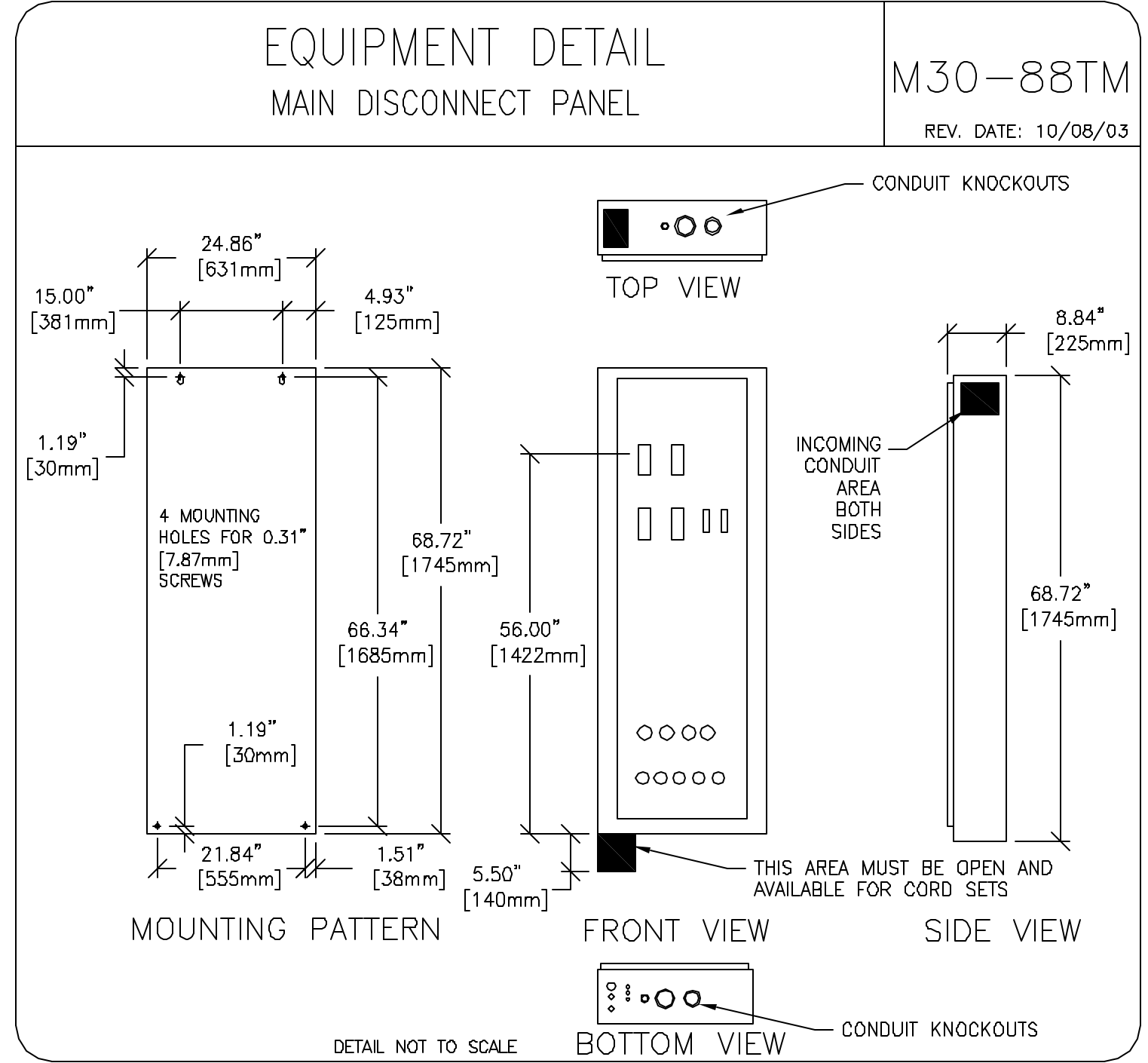
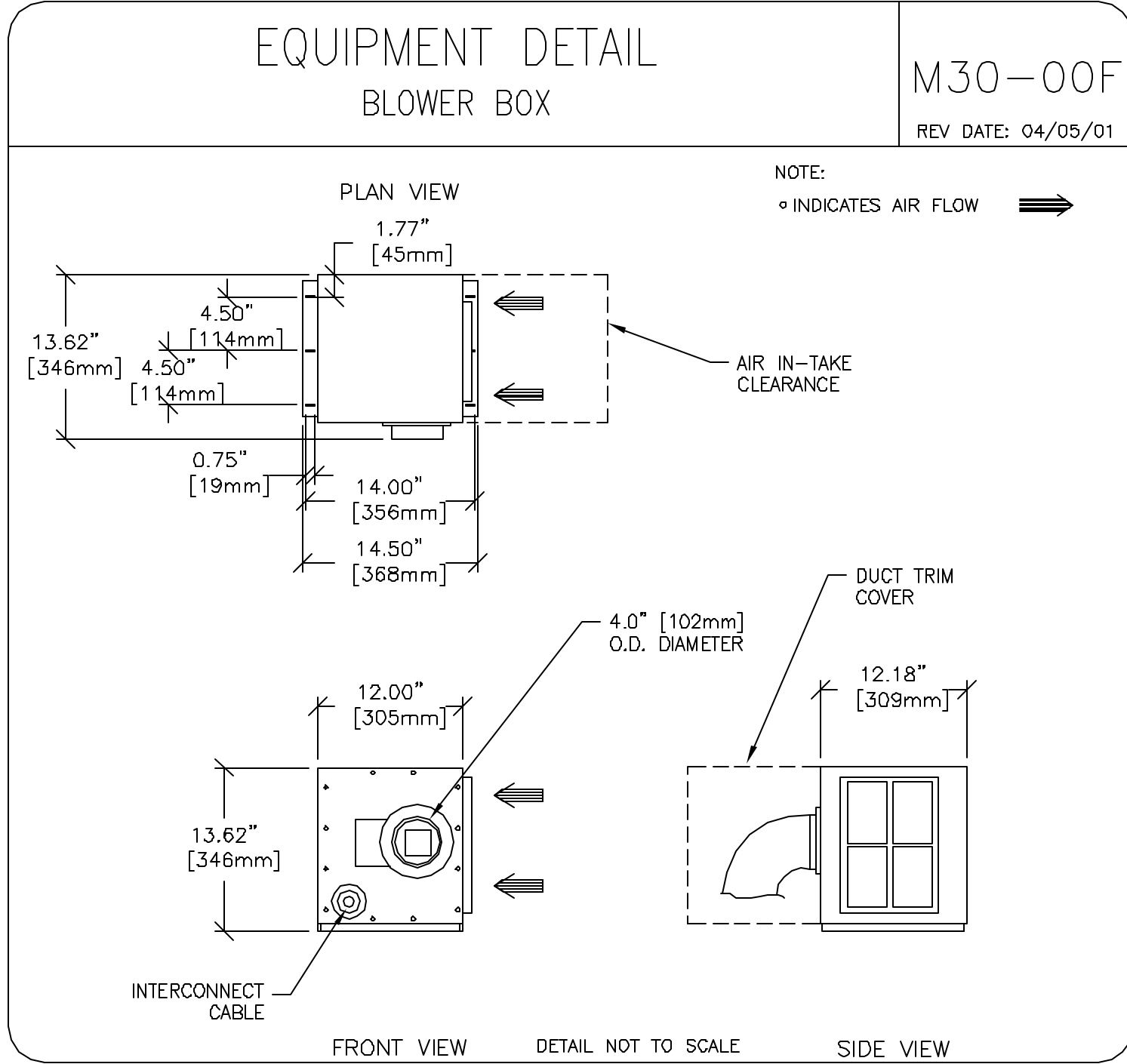
PROJECT TITLE:
 8-194F
 TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01

DATE: 10-19-07
 DRAWN BY: SDB
 CHECKED BY: PMM

REVISION HISTORY:

SHEET
 D2



GE Healthcare Technologies
Installation Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: 3.0T SIGNA EXCITE HD

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PROJECT TITLE:
8-194F
TYPICAL LAYOUT

PROJECT	REVISION
8-194F	01
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REVISION HISTORY:

SHEET
D3