



GE Medical Systems

Installation Services Design Center
Milwaukee,

Wisconsin

0.2T E-SCAN XQ EXTREMITY MRI WITH RF PAVILION

THE EQUIPMENT ILLUSTRATED IN THIS PACKAGE REPRESENTS A TYPICAL SET OF PLANS TO SUGGEST LOCATIONS FOR GE MEDICAL SYSTEMS EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL DETAILS, AND ROOM ARRANGEMENTS. IT IS NOT TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES AND THE COMPANY HEREBY DISCLAIMS RESPONSIBILITY FOR ANY DAMAGE RESULTING THEREFROM.

TYPICAL FINAL INSTALLATION DRAWINGS

PROJECT:	8-148FL
REVISION:	02
DATE:	21-FEB-07
DRAWN BY:	SDB

GENERAL SPECIFICATIONS

- o THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO INSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEMS INSTALLATION SPECIALIST REGARDING ACCEPTABILITY OF OTHER CEILING HEIGHTS. 8'-0" MINIMUM.
- o CHECK ALL DOOR OPENINGS AND ELEVATORS FROM DELIVERY LOCATION TO WHERE EQUIPMENT IS TO BE INSTALLED.
- o RADIATION PROTECTION REQUIREMENTS ARE NOT INDICATED ON THIS PLAN. THEY SHALL BE SPECIFIED BY A QUALIFIED RADIOLOGICAL PHYSICIST.
- o 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 GEMS SERVICE DEPARTMENT. EQUIPMENT OPERATION, SERVICEABILITY, AND RESTRICTING CABLE LENGTHS, ETC., MAKE THIS ESSENTIAL FOR A PROPER INSTALLATION. GEMS 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

SITE ENVIRONMENT SPECIFICATIONS

- o AMBIENT OPERATING TEMPERATURE: 68-78.8 DEG (F) [20-26 (C)].
MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 5.4 DEG (F)/HR [3 (C)/HR].
- o HUMIDITY: 45 TO 80 PERCENT NON-CONDENSING,
MAXIMUM ALLOWABLE CHANGE OF 5 PERCENT/HOUR.
- o ALTITUDE: 100 FT [30.5M] BELOW SEA LEVEL TO 8000 FT. [2438M] ABOVE SEA LEVEL.
- o ENVIRONMENTAL RESTRICTIONS ABOVE MUST NOT BE EXCEEDED FOR THE ELECTRONICS.
- 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 FLUORESCENT LIGHTING IS NOT ALLOWED IN THE MAGNET ROOM DUE TO RF NOISE.

MAGNETIC INTERFERENCE SPECIFICATIONS

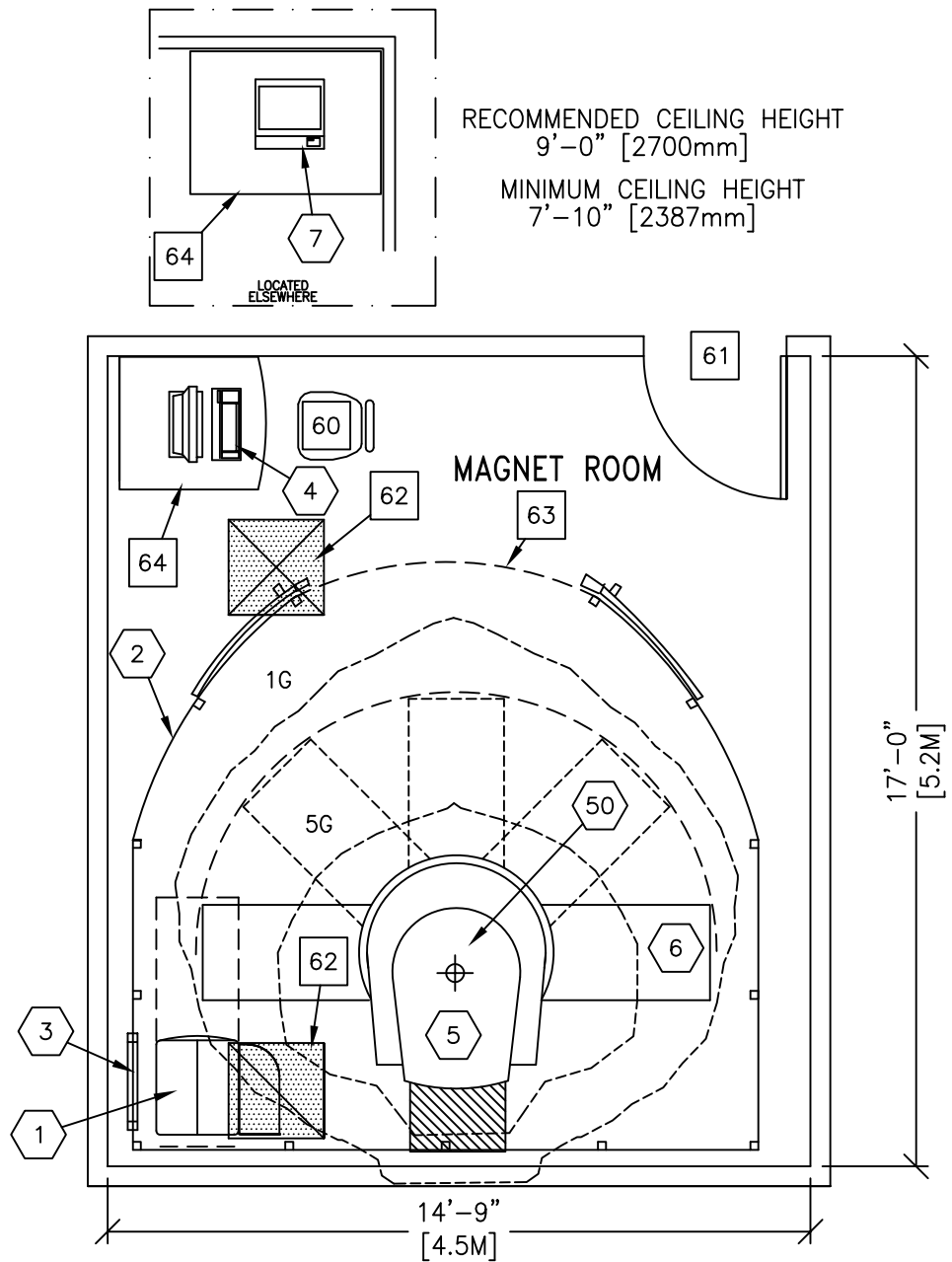
- o THE CUSTOMER MUST ESTABLISH PROTOCOLS TO PREVENT PERSONS WITH CARDIAC PACEMAKERS, NEUROSTIMULATORS, AND BIOSTIMULATION DEVICES FROM ENTERING MAGNETIC FIELDS OF GREATER THAN 5 GAUSS (EXCLUSION ZONE).
- o MAIN POWER TRANSFORMERS MUST REMAIN OUTSIDE 32.8 FT. [10 M].
EMI < 10mG AC. EMI < 30mG DC (WITH EFI PACKAGE)
- o 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 X - FRONT - BACK Y - VERTICAL	DISTANCE Z - LATERAL
FORKLIFTS, SMALL ELEVATOR, CARS, MINIVANS VANS, PICKUP TRUCKS, AMBULANCES (OBJECTS GREATER THAN 1984 lbs [900 kg])	25.5 ft. [9.0 m]	19.7 ft. [6.0M]
TRUCK, LARGE ELEVATORS (OBJECTS GREATER THAN 9920 lbs [4500 kg])	49.2 ft. [15.0 m]	32.8 ft. [10.0 M]
LARGE TRUCKS, EXCAVATOR (OBJECTS GREATER THAN 44092 lbs [20000 kg])	82.0 ft. [25.0 m]	65.6 ft. [20.0 M]

NOTE: FERRROUS OBJECTS MUST NOT MOVE INTO OR INSIDE OF THE MOVING METAL SENSISTIVITY LINE DURING SCANS.

REFER TO PRE-INSTALLATION MANUAL FOR COMPLETE INFORMATION ON THE MOVING METAL REQUIREMENTS.

SEE NEXT PAGE FOR EQUIPMENT IDENTIFICATION FOR PLAN BELOW



GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE MEDICAL SYSTEMS, INSTALLED BY GE MEDICAL SYSTEMS, PER

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

EQUIPMENT CROSS REFERENCE CHART

SEISMIC STATUS
 P = PREAPPROVAL
 C = CALCULATIONS/PENDING APPROVAL
 S = SPECIFICATIONS ONLY

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	WEIGHT	HEAT OUTPUT	DETAIL NO.	STRC PLAN	ELEC PLAN
		ITEM DESCRIPTION (* = EXISTING/REINSTALL)					
①	1	ELECTRONICS CABINET	462 lb 151 kg	1365 btu 349 W	H8700E4	.	EC
②	1	RF SHIELDING PAVILION	1102 lb 500 kg				
③	1	RF PENETRATION PANEL					FP
④	1	OPERATORS CONSOLE	332 lb 151 kg	1191 btu 349 W	H8700E3	.	OW
⑤	1	E-SCAN XQ EXTREMITY MRI	4358 lb 1977 kg	1191 btu 349 W	H8700E1 H8700E2	.	MG
⑥	1	ROTATING PATIENT TABLE	178 lb 81 kg				
⑦	1	PRINTER		1054 btu			

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

⑤0	1	VINYL TILE- < IF CUSTOMER SUPPLIES OWN VINYL. CUT OUTS 4 AND 5 MUST BE AVAILABLE AT MAGNET DELIVERY > < CUSTOMERS RESPONSIBILITY TO INSTALL OTHER CUTOUTS BEFORE 1ST. PATIENT SCAN. >					
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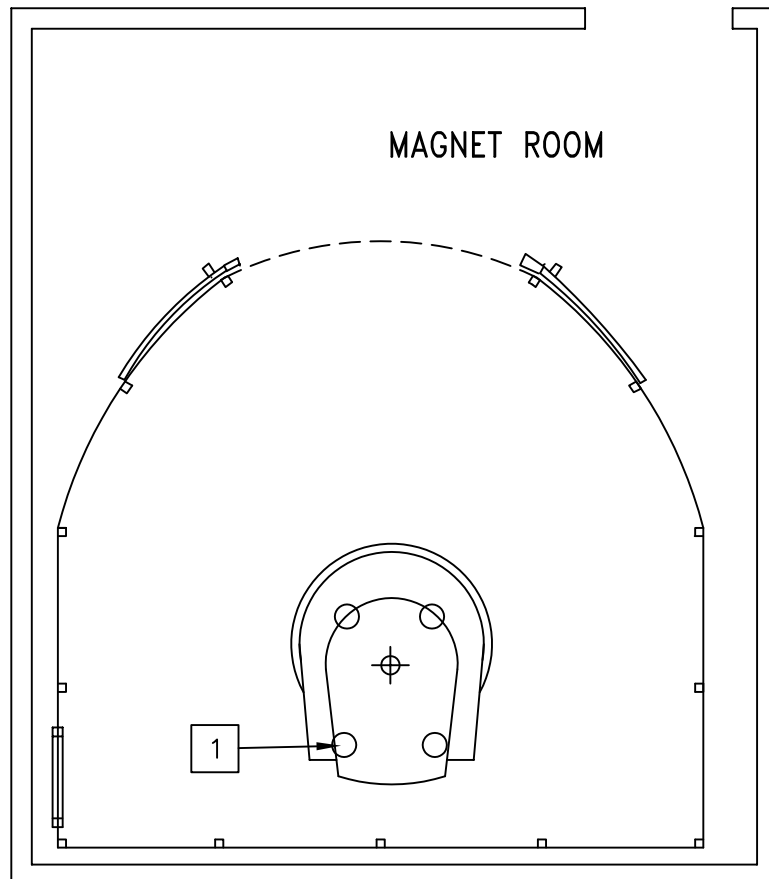
ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
⑥0	OPERATOR'S CHAIR
⑥1	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 32 IN. W x 82 IN. H [812mm x 2083mm], CONTINGENT ON A 36 IN. [914mm] CORRIDOR WIDTH
⑥2	AIR SUPPLY AND RETURN DUCTS. SEE DETAIL M0210B ON DETAIL SHEETS FOR RECOMMENDED LOCATIONS.
⑥3	RESTRICTED ACCESS AREA ABOVE PAVILLION TO CHANGE LIGHT BULBS.
⑥4	PRINTER TABLE

STRUCTURAL SUPPORT METHODS	
CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS	
ITEM NO. □	ITEM DESCRIPTION (* INDICATES EXISTING)
1	LEVELING AREA FOR MAGNET AND TABLE SEE DETAIL H87-00E ON SHEET S2.

STRUCTURAL NOTES	
<ul style="list-style-type: none"> o 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. o FLOOR SLABS ON WHICH PAVILION 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]. o DIMENSIONS ARE TO FINISHED SURFACES OF ROOM. o FOR SEISMIC REGIONS ENSURE SUPPORTS SPAN THREE MEMBERS. 	



MOUNTING DETAIL: LUNAR E-SCAN

H87-00E

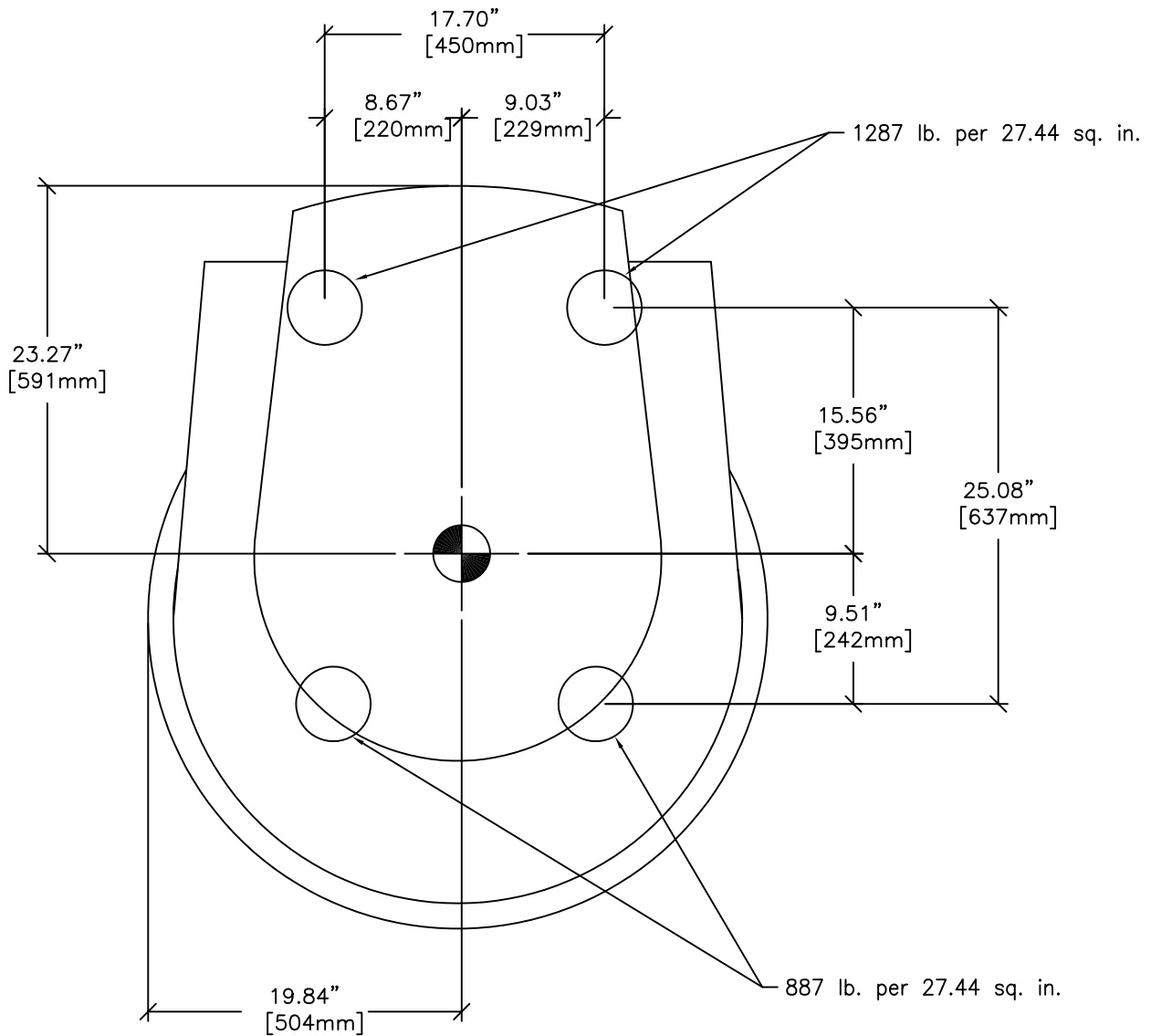
REV. DATE: 03/07/04

NOTES:





THE FLOOR MUST BE ABLE TO SUPPORT THE WEIGHT OF THE MAGNET UNIT, PAVILION, AND 3 PEOPLE. THE TOTAL OF THIS IS 8377 LB. [3800 KG].

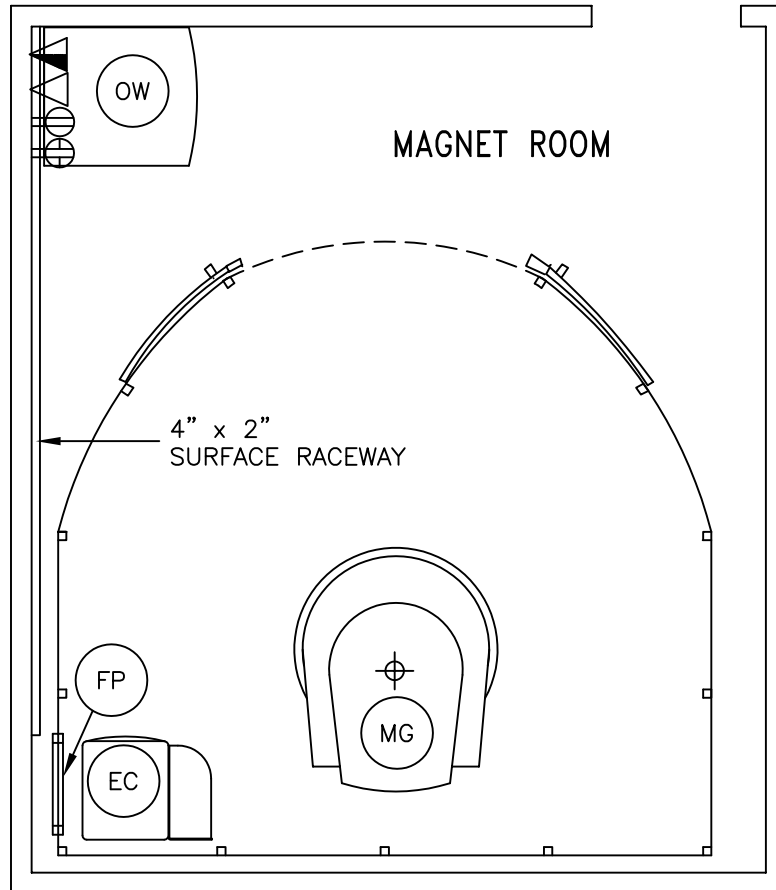
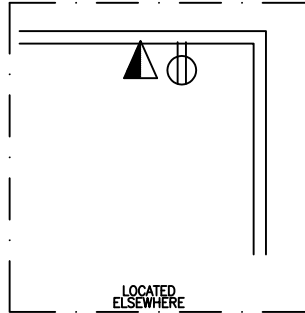
THE FLOOR MUST BE LEVEL WITHIN 3/16 IN. ±1/8 [5MM ±3MM] OVER 10 FT. [3.05M].

STEEL REBAR AND OTHER STEEL BUILDING COMPONENTS NEED TO BE LESS THAN 6 LBS/SQ FT [30 KG/SQ M] IN THE FLOOR AREA BENEATH THE MAGNET ROOM.



PLAN VIEW
DETAIL NOT TO SCALE

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 20 AMP
	DEDICATED TELEPHONE LINE(S) (SEE ELECTRICAL DETAIL ELEC-1)
	NETWORK OUTLET (SEE ELECTRICAL DETAILS ELEC-83)
	DUPLEX HOSPITAL GRADE, DEDICATED OUTLET 120-V, SINGLE PHASE POWER



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
- BASIC EQUIP. -	EC	ELECTRONICS CABINET	1	EXTERNALLY CONNECTED	ELEC-1 ELEC-83 ELEC-84
	FP	RF FILTER PANEL	1	EXTERNALLY CONNECTED	
	MG	MAGNET	1	EXTERNALLY CONNECTED	
	OW	OPERATORS WORKSTATION	1	EXTERNALLY CONNECTED	

- OPTIONS -

CONTRACTOR SUPPLIED/INSTALLED WIRING

WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
PWR > OW	1- 12 AWG. GROUND DEDICATED GROUND PULLED BACK TO PANEL

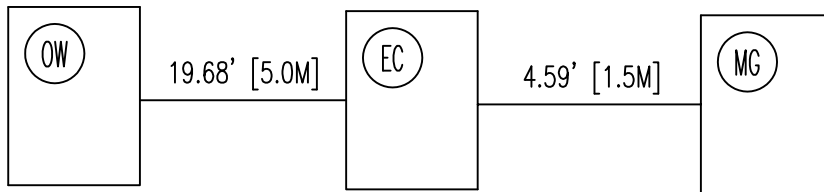


DIAGRAM KEY	
N = NEUTRAL	— — CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
G = GROUND	— GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.
S = SIGNAL GROUND	() MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS.

INTERCONNECT DIAGRAM

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 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.

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 A QUALIFIED 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.

LUNAR E-SCAN

(REV. DATE 03/07/04)

VOLTAGE

PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.
 RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 100 TO 240, 1 PHASE, 50 OR 60 Hz.

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
		MAX MOMENTARY		
110	100-120	13		20-A
220	200-240	6.5		10-A

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 = 1.3 KVA.

REFER TO PLANNING DIRECTION FOR ADDITIONAL INFORMATION.

ELECTRICAL DETAIL INSITE CONNECTION (TYPICAL)

ELEC-1

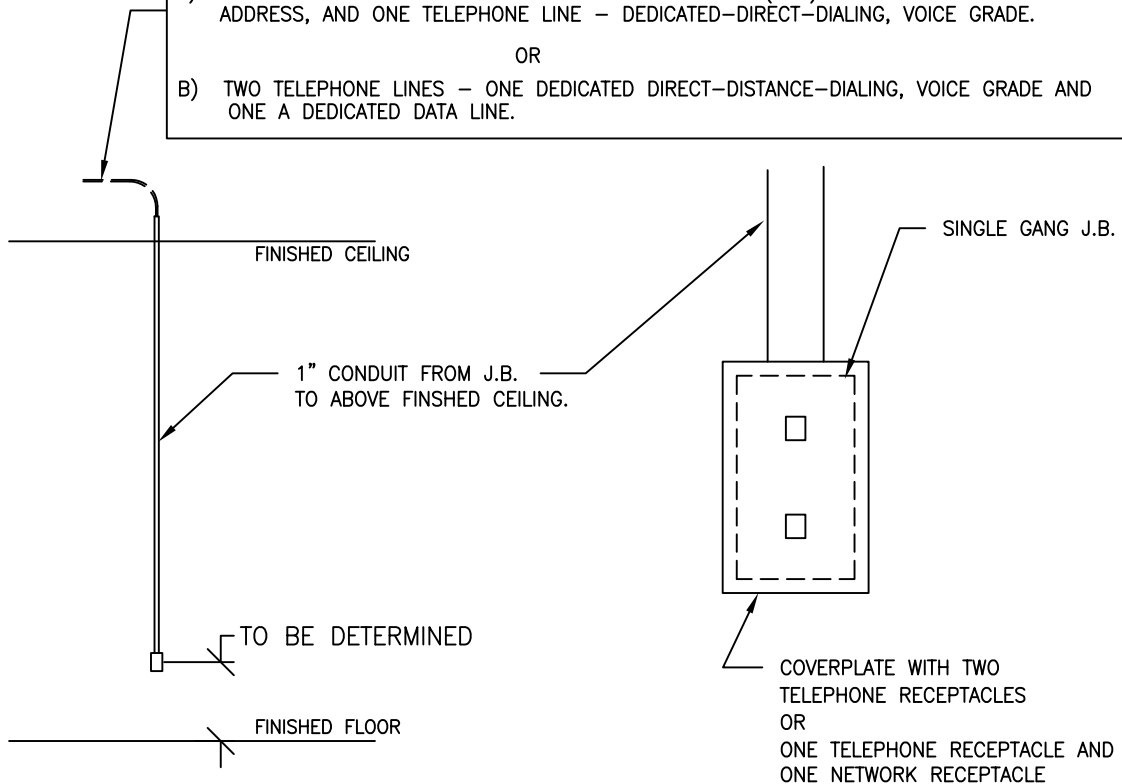
REV. DATE: 04/24/02

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

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

OR

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



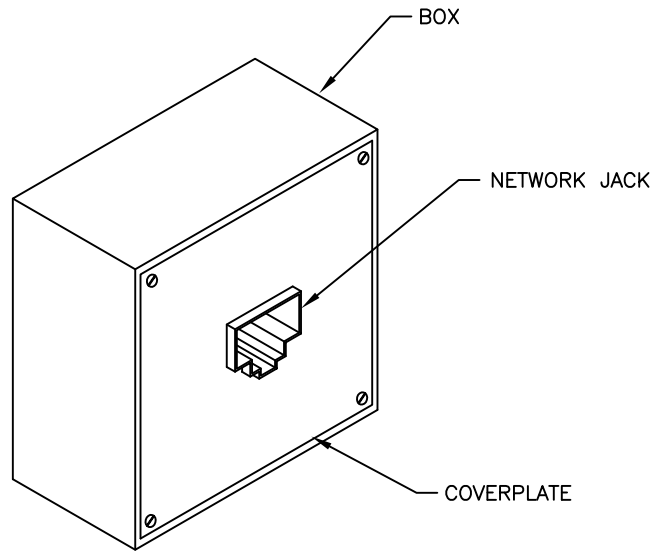
ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

ELEC-83

REV. DATE: 10/06/98



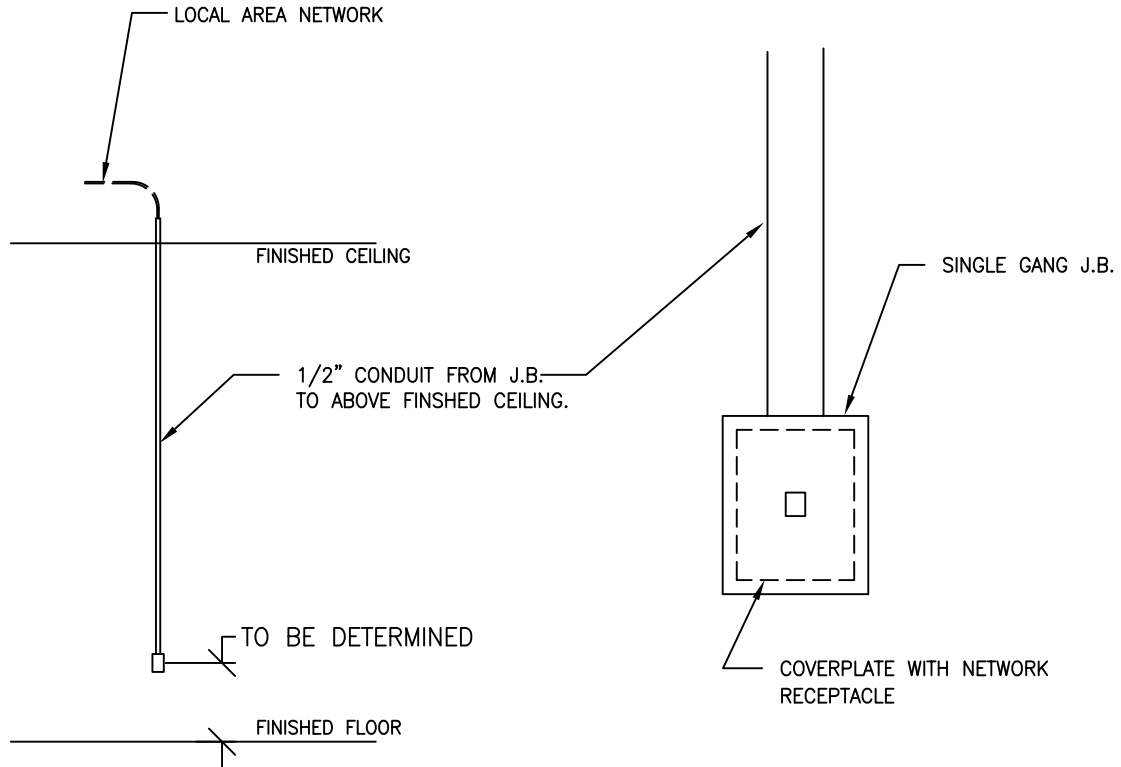
DETAIL NOT TO SCALE

ELECTRICAL DETAIL NETWORK CONNECTION (TYPICAL)

ELEC-84

REV. DATE: 03/06/04

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



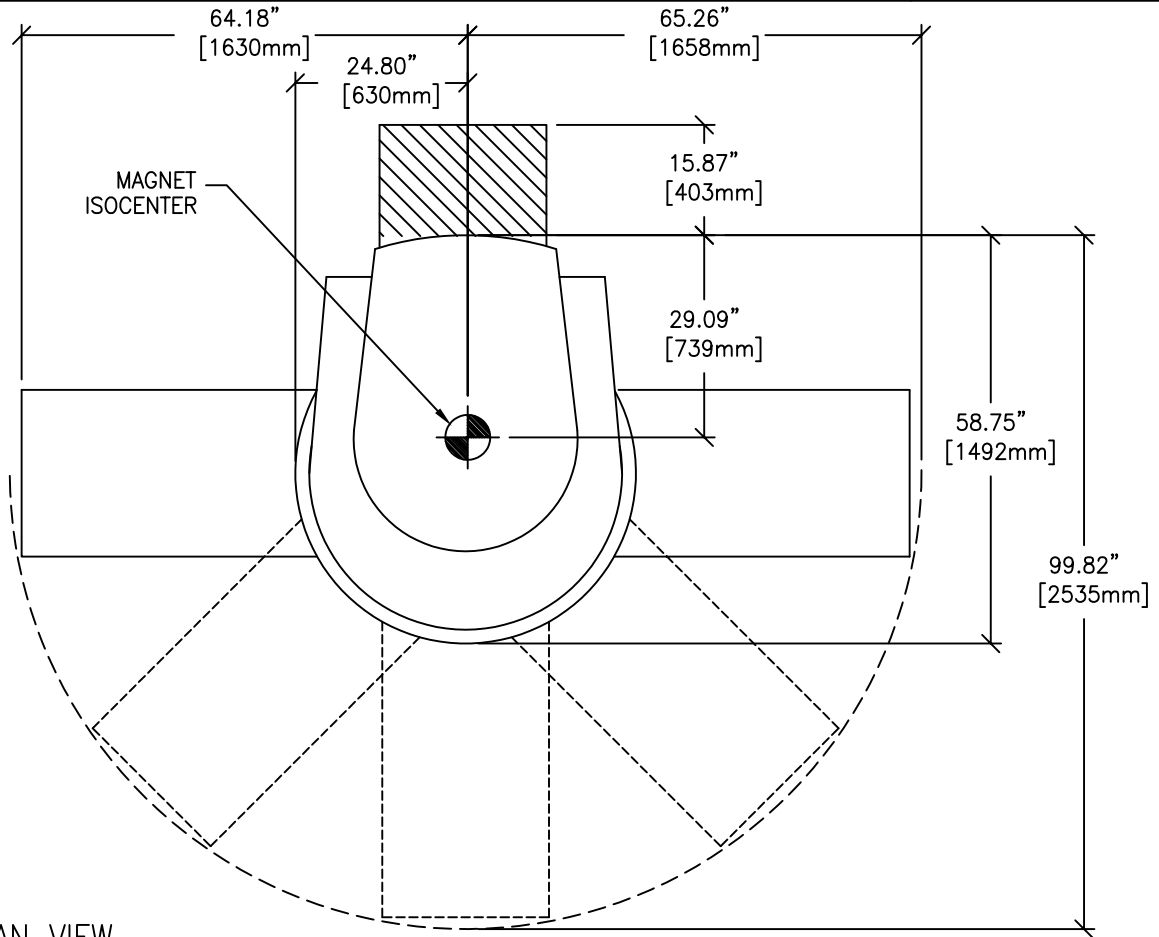
DETAIL NOT TO SCALE

EQUIPMENT DETAIL

E-SCAN XQ SYSTEM

H87-00E1

REV. DATE: 03/07/04



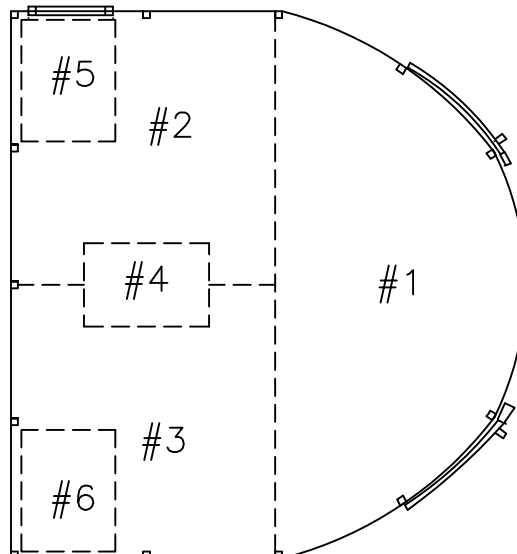
PLAN VIEW
DETAIL NOT TO SCALE

EQUIPMENT DETAIL

PAVILLION VINYL LAYOUT

H87-00E5

REV. DATE: 02/20/07



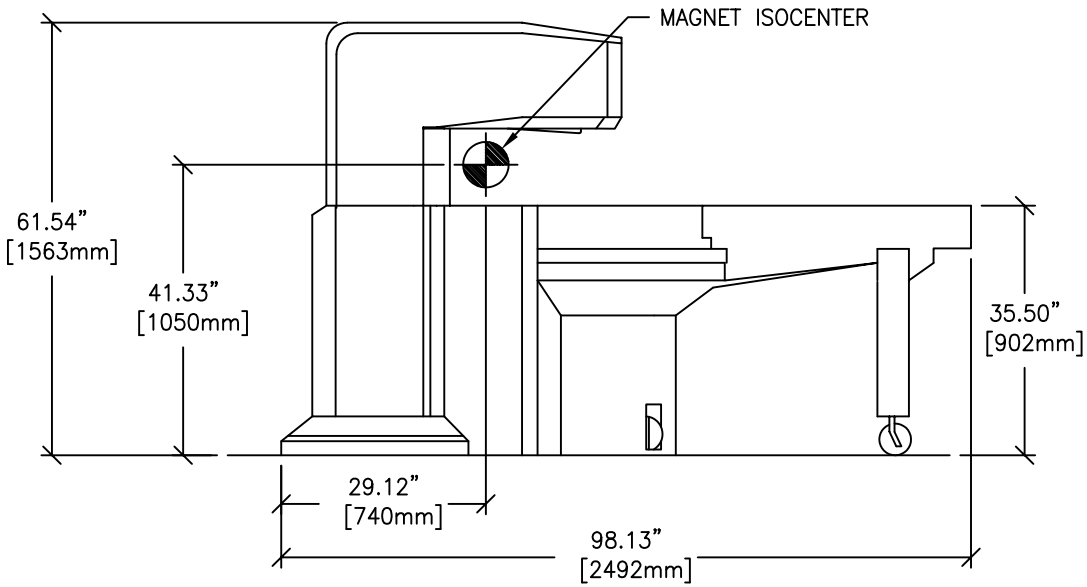
DETAIL NOT TO SCALE

EQUIPMENT DETAIL

E-SCAN XQ SYSTEM

H87-00E2

REV. DATE: 03/07/04



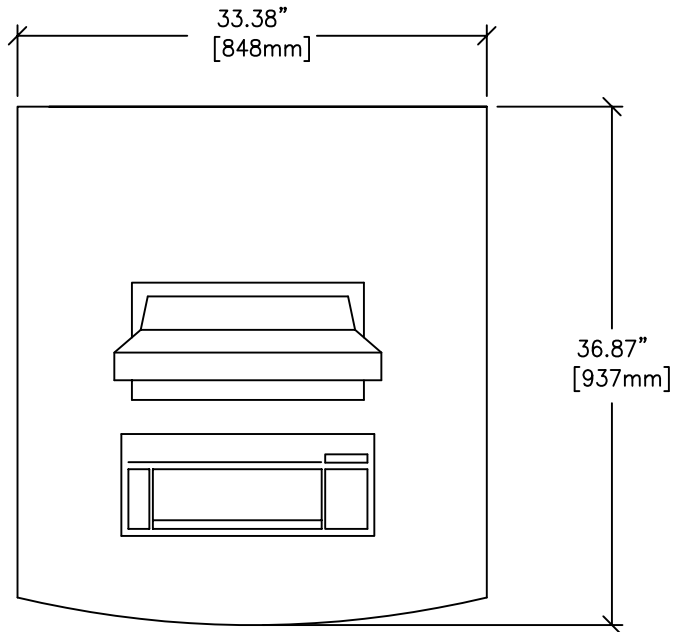
SIDE VIEW
DETAIL NOT TO SCALE

EQUIPMENT DETAIL

E-SCAN CONSOLE

H87-00E3

REV. DATE: 03/07/04



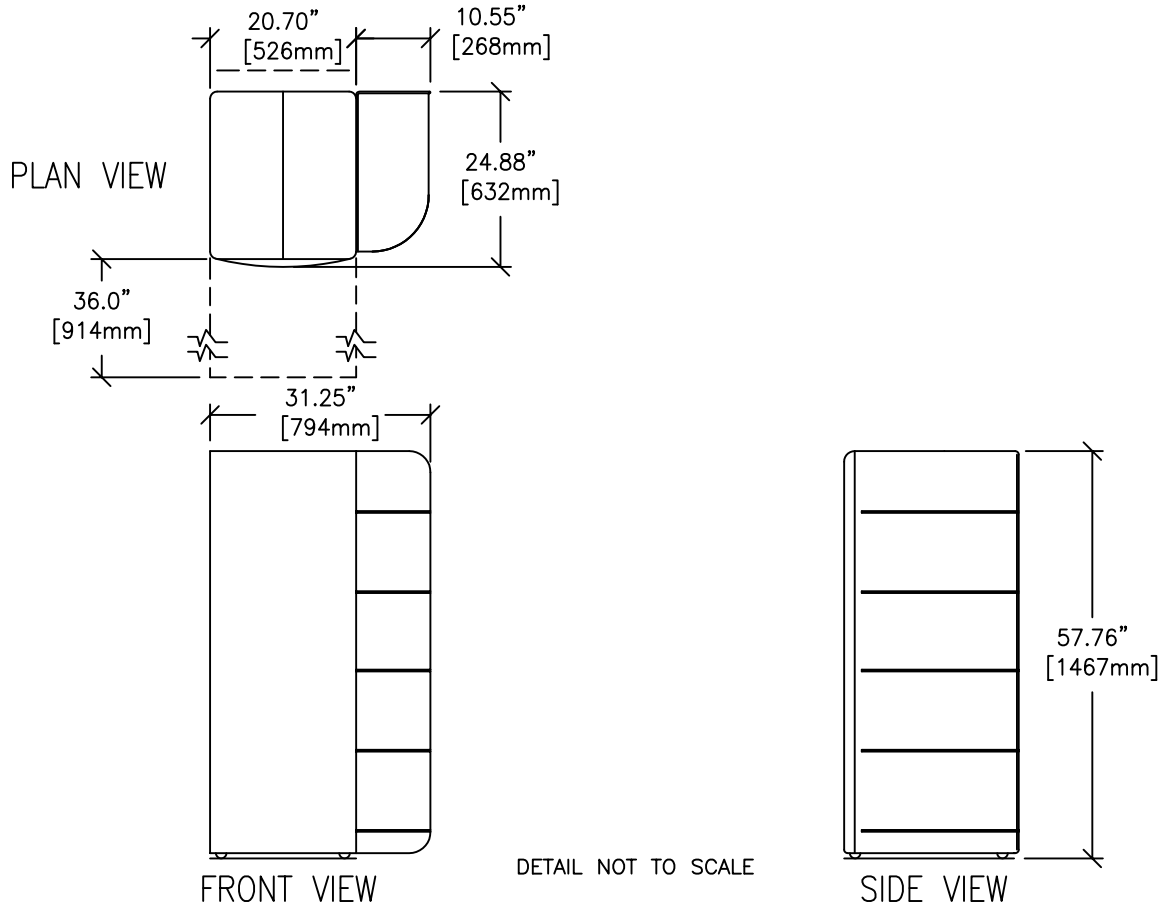
PLAN VIEW
DETAIL NOT TO SCALE

EQUIPMENT DETAIL

E-SCAN ELECTRONICS CABINET

H87-00E4

REV. DATE: 03/07/04



EQUIPMENT DETAIL

MAGNET SYSTEM AIR COOLING

M02-10B

REV. DATE: 07/18/06

BECAUSE MAGNETS ARE SENSITIVE TO TEMPERATURE CHANGE, CARE MUST BE TAKEN IN LOCATING THE AIR CONDITIONING SUPPLY AND AIR DUCTS TO THE MAGNET ROOM TO ENSURE PROPER AIR FLOWS. SUPPLY DUCTS ARE TO BE LOCATED BY PATIENT TABLE SIDES SO CONDITIONED AIR DOES NOT FLOW DIRECTLY TO THE MAGNET. RETURN DUCTS ARE TO BE LOCATED NEAR MAGNET SIDE TO MAINTAIN CIRCULAR AIR FLOW.

MAGNET ROOM MUST NOT BE ON SET-BACK MODE FOR AIR CONDITIONING A CONSTANT TEMPERATURE IS REQUIRED IN THE MAGNET ROOM.

