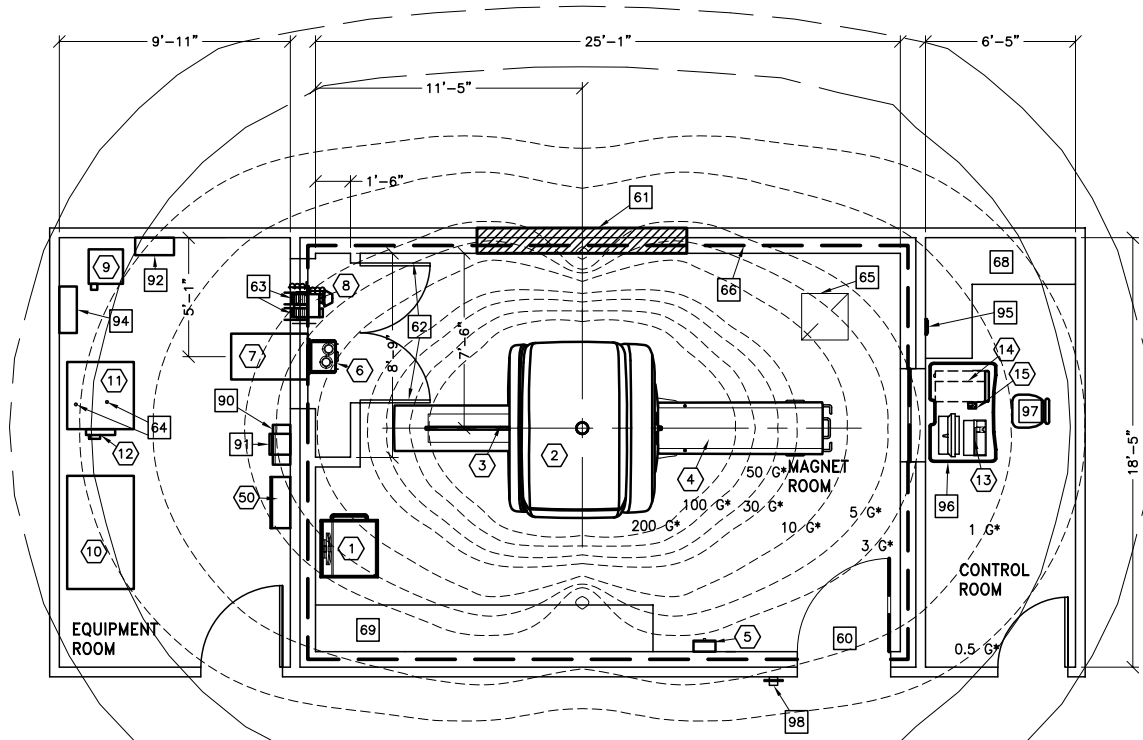




# Discovery MR450 1.5T



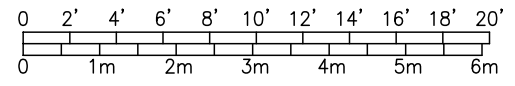
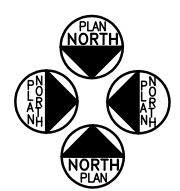
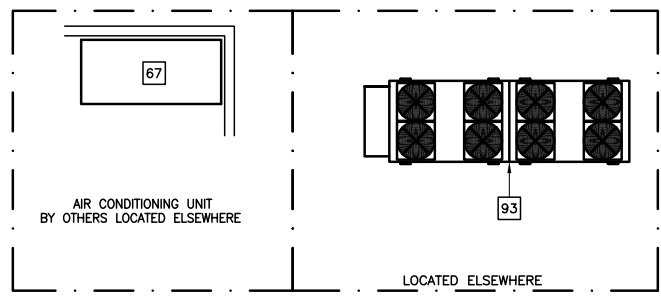
MOVING METAL SENSITIVITY LINE FOR CARS, MINIVANS, PICKUP TRUCKS, AND AMBULANCES.

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

MOVING METAL SENSITIVITY LINE FOR BUSES AND TRUCKS (DUMP, TRACTOR TRAILER, UTILITY, FIRE TRUCKS)

THE MEASURED MAGNETIC FLUX DENSITY WILL VARY FROM THE CONTOUR PLOTS DUE TO FACTORS SUCH AS CONCENTRATING EFFECTS OF NEARBY FERRROUS OBJECTS AND AMBIENT FIELDS, INCLUDING THE EARTH'S MAGNETIC FIELD.

POTENTIAL EXISTS UNDER FAULT CONDITIONS THAT THE 5 GAUSS LINE MAY EXPAND TO 16.4 FT. (5.0m) RADIALLY AND 22.96 FT (7.0m) AXIALLY FOR 2 SECONDS OR LESS.



ROOM DIMENSIONS	LENGTH & WIDTH	CEILING HEIGHT
MIN. MAGNET RM:	21'-0" X 14'-0" [6.40m X 4.27m]	8'-9" [2.67m]
MIN. EQUIP. RM:	14'-6" X 8'-3" [4.42m X 2.51m]	9'-6" [2.90m]

ROOM PLAN LOCATED ON PAGE 8-226

ITEM ⬡	QUANTITY	ITEM DESCRIPTION	WEIGHT	HEAT OUTPUT
⬡1	1	SPT PHANTOM CABINET	350 lbs	
⬡2	1	1.5 TESLA LCC ACTIVE SHIELD MAGNET	12030 lbs	
⬡3	1	REAR PEDESTAL	213 lbs	
⬡4	1	PATIENT TRANSPORT TABLE (DOES NOT INCLUDE PATIENT)	418 lbs	
⬡5	1	MAGNET RUNDOWN UNIT	8 lbs	
⬡6	1	BLOWER BOX		1535 btu
⬡7	1	PEN PANEL CABINET (EXAM ROOM SIDE)	639 lbs	10699 btu 1023 btu
⬡8	1	RF PENETRATION PANEL	92 lbs	
⬡9	1	SHIELD COOLER CABINET	264 lbs	1706 btu
⬡10	1	POWER, GRADIENT, RF CABINET	3143 lbs	20945 btu
⬡11	1	HEAT EXCHANGER CABINET	1349 lbs	3412 btu
⬡12	1	MAGNET MONITOR	11 lbs	819 btu
⬡13	1	OPERATOR WORKSPACE W/COLOR LCD MONITOR	26 lbs	4948 btu
⬡14	1	OPERATOR WORKSPACE CABINET	141 lbs	
⬡15	1	PATIENT ALERT CONTROL BOX		
⬡50	1	MAIN DISCONNECT PANEL	130 lbs	901 btu

ENVIRONMENT

Ambient Operation Temperature: 59-69.8° F [15-21° C] - Magnet Room  
 Allowable Temperature Change: 5° F [3° C] per hour  
 Humidity: 30-60 percent non-condensing  
 Allowable Humidity Change: 5 percent per hour  
 Max - Altitude:

ROOM PLAN LOCATED ON PAGE 8-226

ITEM ◻	QUANTITY	ITEM DESCRIPTION	WEIGHT	HEAT OUTPUT
		***** <b>CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS</b> *****		
60		MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 43 IN. W x 82 IN. H [1092mm x 2083mm], CONTINGENT ON A 96 IN. [2438mm] CORRIDOR WIDTH		
61		MINIMUM 9 FT. -0 IN. x 9 FT. -0 IN. [2743 mm]x[2743 mm] REMOVABLE WALL SECTION FOR MAGNET DELIVERY/REMOVAL.		
62		LOUVERED DOORS - REFER TO PREINSTALL FOR REQUIREMENTS		
63		RF FILTERS - LOCATE WITHIN 40 in. [1016 mm] OF THE RF COMMON GROUND STUD		
64		PIPING FOR COOLING SYSTEM		
65		MAGNET ROOM EXHAUST FAN		
66		RF SCREEN, INCLUSIVE OF WALLS, FLOOR, DOOR, ETC. GROUND IMPEDANCE GREATER THAN 1000 OHMS. ATTENUATION 100dB AT 145MHZ +/- 10MHZ PLANEWAVE.		
67		AIR CONDITIONING. <VIBRATION ISOLATION IS RECOMMENDED AT SUPPORTS OF EACH UNIT TO BE INSTALLED.>		
68		COUNTERTOP WITH DRAWERS FOR MISCELLANEOUS ITEMS.		
69		BASE CABINET FOR STORAGE OF: SURFACE COILS, PATIENT POSITIONING PADS, PHANTOMS, ETC.		
90		DC LIGHTING CONTROL PANEL 155 lbs <70 kg> 1024 BTU/HR. <300W> <CAT. NO. E4502SC/SE - BASIC SYSTEM>		
91		DC LIGHTING AUTO TRANSFORMER 60 lbs [27 kg] 171 btu/hr <50W> <PART OF VARIABLE DIMMER SYSTEM CAT. NO. E4502SD/SF INCLUDES BASIC SYSTEM>		
92		MANUAL CRYDGEN COMPRESSOR WATER BYPASS PANEL CAT NO. E8911CG		
93		DIMPLEX 7500 CHILLER <CAT. NO. E8911CA/CB/CC/CD> 4301 lbs. <1951 kg> 240002 BTU/HR <70320 W>		
94		WATER FILTER		
95		REMOTE GRAPHIC DISPLAY		
96		WORKSTATION TABLE CAT. NO. M1000MW		
97		OPERATOR'S CHAIR CAT. NO. E8803BE		
98		METAL DETECTOR <HAND HELD>		