



# 1.5T SIGNA HD<sub>e</sub>

RECOMMENDED MAGNET ROOM  
CEILING HEIGHT 8'-9" [2667mm]

NOTE: THIS IS A SUGGESTED LAYOUT BASED OFF OF GE HEALTHCARE PRE-INSTALL MANUAL. PLEASE CONTACT LOCAL PROJECT MANAGER OF INSTALLATION IF YOUR ROOM LAYOUT OR DIMENSIONS ARE DIFFERENT THAN THE LAYOUT SHOWN.

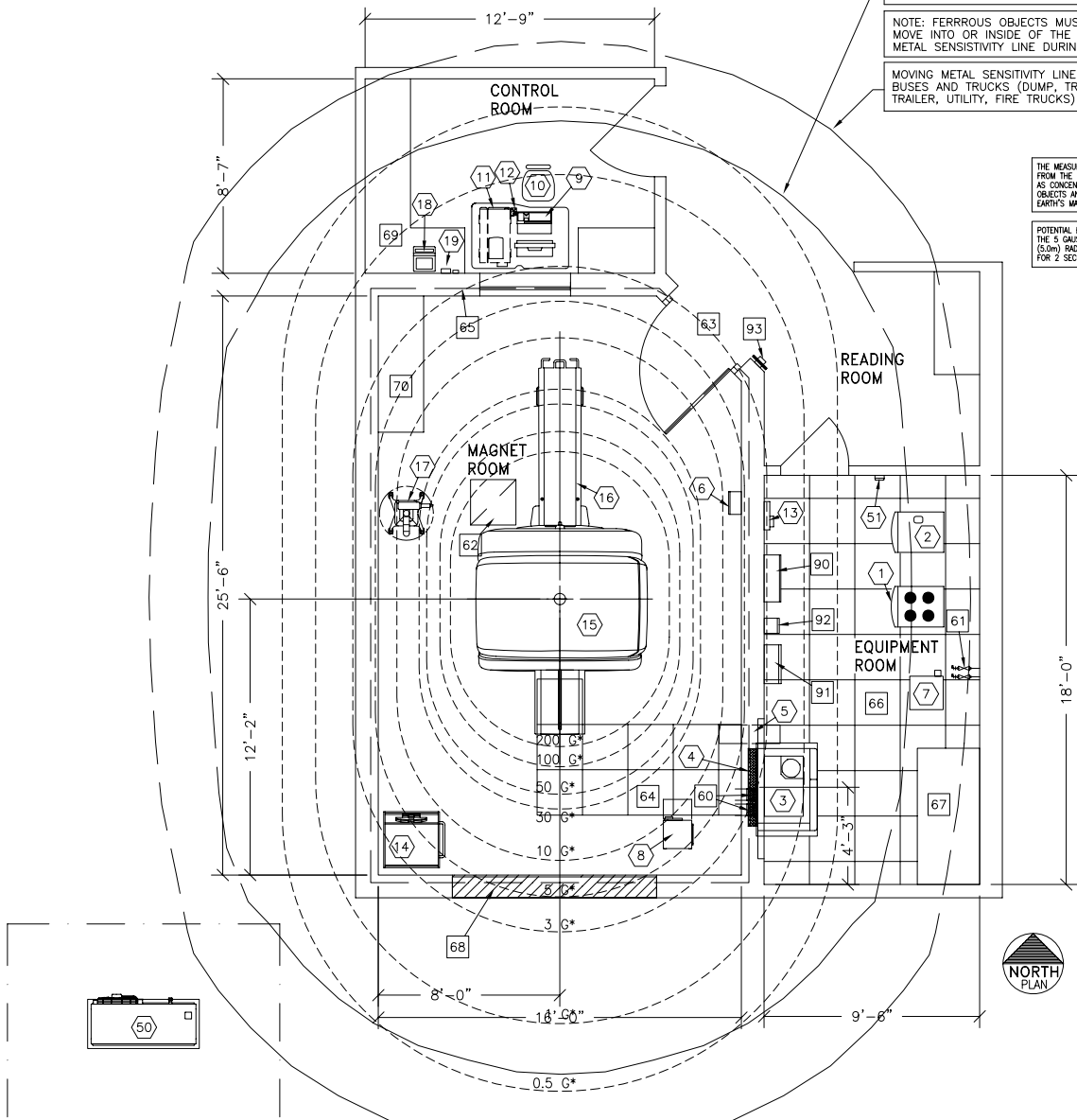
MOVING METAL SENSITIVITY LINE FOR CARS, MINIVANS, PICKUP TRUCKS, AND AMBULANCES.

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.

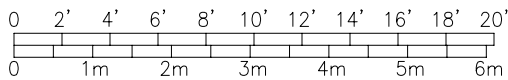
POTENTIAL EXISTS UNDER FAULT CONDITIONS THAT THE 5 GAUSS LINE MAY EXPAND TO 16.4 FT. (5.0m) RADIALLY AND 22.96 FT (7.0m) AXIALLY FOR 2 SECONDS OR LESS.



TO BE INSTALLED OUTSIDE BUILDING, WITH A MAXIMUM OF 100 FEET [30 M] VERTICALLY ABOVE OR 10 FEET [3 M] BELOW FROM THE GRADIENT COIL/SHIELD COOLER, WITH 200 FEET [60 M] AS MAXIMUM TOTAL DISTANCE.

ROOM DIMENSIONS	LENGTH & WIDTH	CEILING HEIGHT
MIN. MAGNET RM:	19'-4" X 11'-0" [5.89m X 3.33m]	
MIN. EQUIP. RM:	12'-0" X 8'-0" [3.66m X 2.44m]	

REFER TO PRE-INSTALLATION MANUAL FOR ROOM SIZES BASED UPON CONFIGURATION



SEE APPENDIX "A" FOR POWER SPECIFICATIONS

ROOM PLAN LOCATED ON PAGE 8-201

ITEM	QUANTITY	ITEM DESCRIPTION	WEIGHT	HEAT OUTPUT
①	1	COOLING UNIT	220 lbs	19617 btu
②	1	WATER CHILLER FOR BRM BODY COIL	295 lbs	13993 btu
③	1	SYSTEM CABINET	2698 lbs	9556 btu
④	1	MESH SHIELD		
⑤	1	PENETRATION PANEL		
⑥	1	MAGNET RUNDOWN UNIT	8 lbs	
⑦	1	SHIELD COOLER CABINET	264 lbs	
⑧	1	BLOWER BOX	46 lbs	3412 btu
⑨	1	OPERATOR WORKSPACE W/COLOR LCD MONITOR	125 lbs	4948 btu
⑩	1	OPERATOR'S CHAIR		
⑪	1	OPERATOR WORKSPACE CABINET	198 lbs	
⑫	1	PATIENT ALERT CONTROL BOX		
⑬	1	MAGNET MONITOR	22 lbs	204 btu
⑭	1	SPT PHANTOM CABINET	350 lbs	
⑮	1	1.5 TESLA LCC ACTIVE SHIELD MAGNET	13115 lbs	8191 btu
⑯	1	PATIENT TRANSPORT TABLE <DOES NOT INCLUDE PATIENT>	279 lbs	
⑰	0	INJECTOR HEAD ON PEDESTAL <OPTIONAL>	59 lbs	
⑱	0	CONTROL ROOM UNIT <OPTIONAL>	15 lbs	
⑲	0	BATTERY CHARGING UNIT <OPTIONAL>	4 lbs	
⑵①	0	MR COMMON CHILLER SYSTEM <OPTIONAL>	683 lbs	
⑵②	0	REMOTE CONTROL FOR CHILLER SYSTEM <OPTIONAL>	2 lbs	

ENVIRONMENT

Ambient Operation Temperature: 50-70° F [10-21° C]  
 Allowable Temperature Change: 5° F [3° C] per hour  
 Humidity: 30-60 per cent non condensing  
 Allowable Humidity Change: 10 per cent per hour  
 Max - Altitude: 8000 ft. [2438m] above sea level

ROOM PLAN LOCATED ON PAGE 8-201

ITEM ⬡	QUANTITY	ITEM DESCRIPTION	WEIGHT	HEAT OUTPUT
		***** CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS *****		
60		RF FILTERS - LOCATE WITHIN 24 in. [610 mm] OF THE RF COMMON GROUND STUD		
61		VALVES AND HOSE BARBS FOR COOLING SYSTEM		
62		MAGNET ROOM EXHAUST FAN		
63		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		
64		NON-METAL ACCESS FLOOR WITH 2' x 2' [610 x 610mm] REMOVABLE PANELS & SUPPORT HARDWARE REQUIRED WITHIN MAGNET ROOM.		
65		RF SCREEN, INCLUSIVE OF WALLS, FLOOR, DOOR, ETC. GROUND IMPEDANCE GREATER THAN 1000 OHMS. ATTENUATION 100dB AT 10-100MHZ PLANEWAVE.		
66		ACCESS FLOOR WITH 2' x 2' [610 x 610mm] REMOVABLE PANELS.		
67		AIR CONDITIONING. (VIBRATION SOLATION IS RECOMMENDED AT SUPPORTS OF EACH UNIT TO BE INSTALLED.)		
68		MINIMUM 9 FT. -0 IN. [2743 mm] x 9 FT. -0 IN. [2743 mm] REMOVABLE WALL SECTION FOR MAGNET DELIVERY/REMOVAL.		
69		COUNTERTOP WITH DRAWERS FOR MISCELLANEOUS ITEMS.		
70		BASE CABINET FOR STORAGE OF: SURFACE COILS, PATIENT POSITIONING PADS, PHANTOMS, ETC.		
90		MAIN DISCONNECT CONTROL CAT NO. M3088TM		
91		DC LIGHTING CONTROL PANEL 155 lbs [70 kg] 1024 BTU/HR. (CAT. NO. E4502SC/SE - BASIC SYSTEM)		
92		DC LIGHTING AUTO TRANSFORMER 60 lbs [27 kg] (PART OF VARIABLE DIMMER SYSTEM) (CAT. NO. E4502SD/SF INCLUDES BASIC SYSTEM)		
93		METAL DETECTOR (HAND HELD)		