

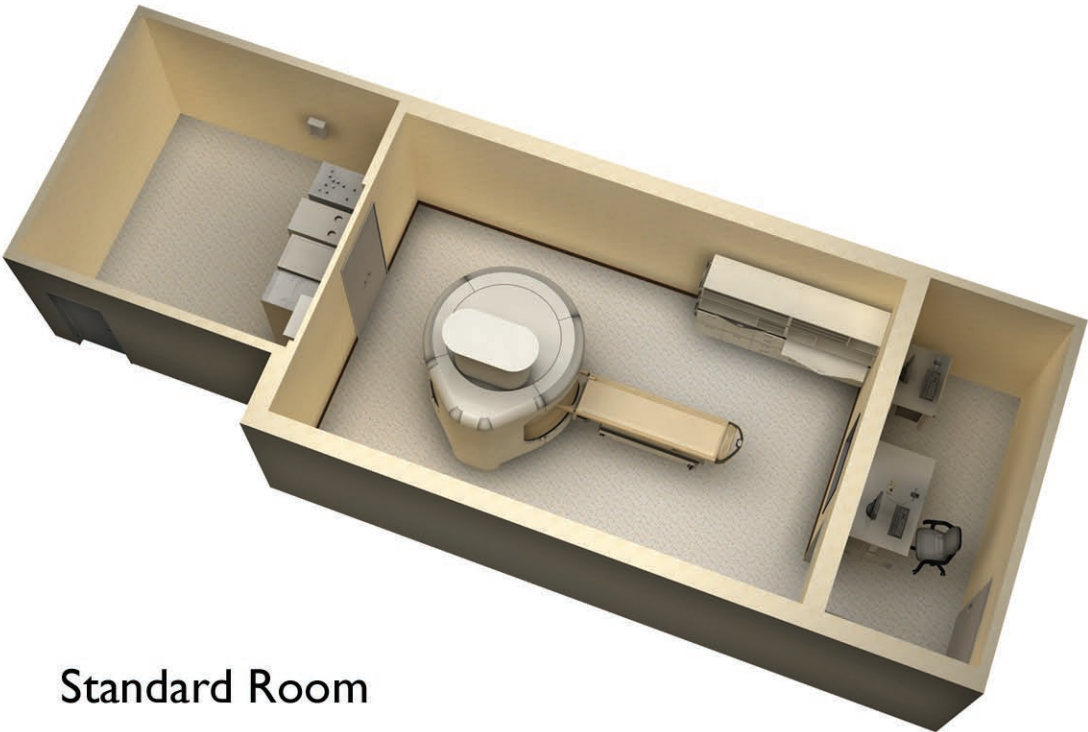
Exam
Room View



Click and drag mouse over image to pan around the room



Control
Room View



Standard Room

Magnetic Resonance Video



Play



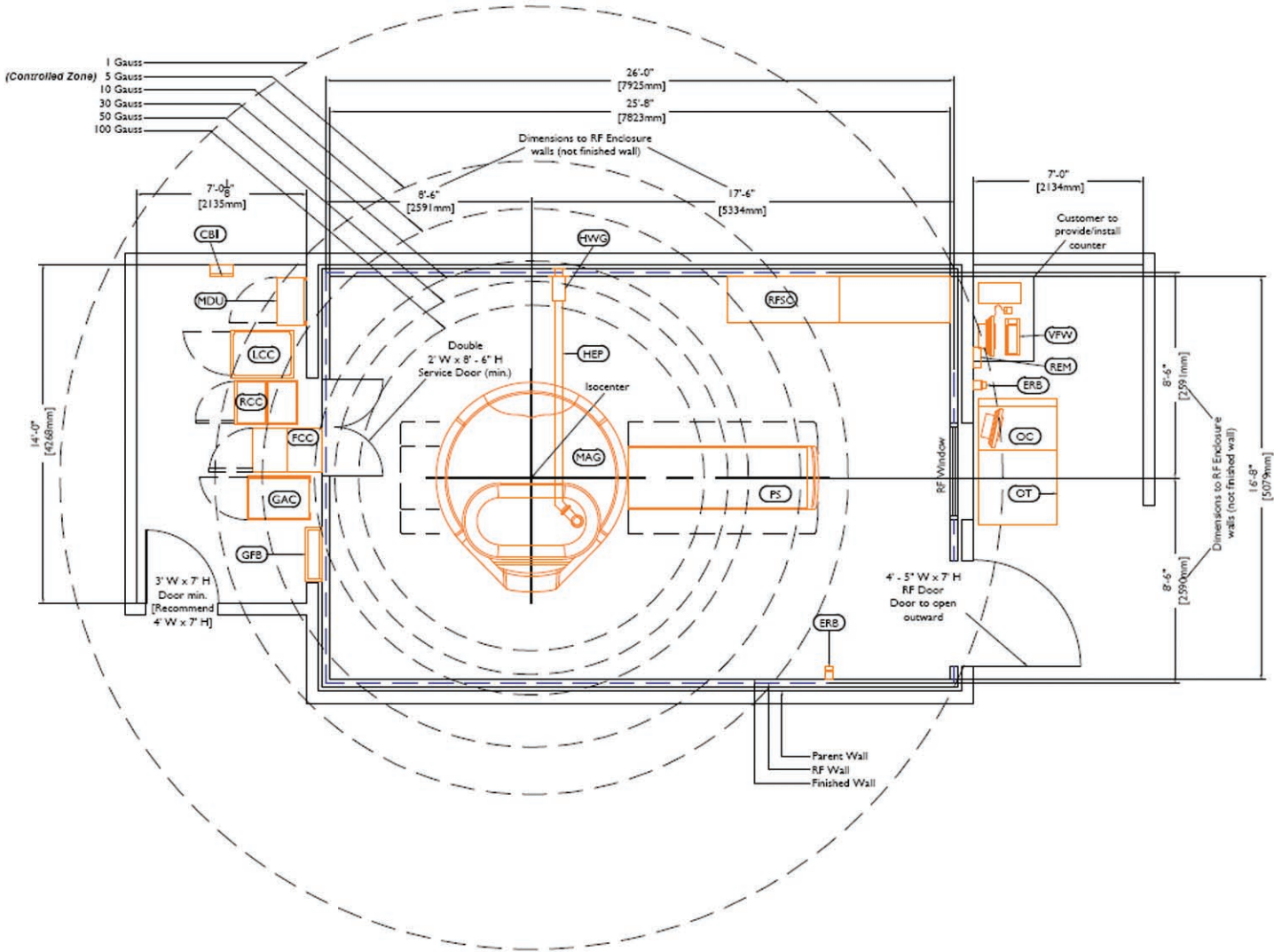
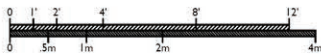
Stop



Helium Exhaust Pipe Verification
Customer's architect/contractor to provide plan and elevation details of helium exhaust pipe design for verification that specifications are being met, prior to installation.
(Refer to sheet MP2 of Final Drawing Package for details)

Equipment Layout

Ceiling Height Guide		
Equipment Room:	10' - 6"	(3200 mm) Recommended
	8' - 6 3/8"	(2600 mm) Minimum
Exam Room Suspended Ceiling:	8' - 3"	(2515mm) Required
Exam Room RF Ceiling:	9' - 10"	(3000 mm) Recommended
	9' - 3"	(2820 mm) Minimum*
Control Room:	9' - 10"	(3000 mm) Recommended
	7' - 3"	(2200mm) Minimum



Equipment Legend			
Equipment Designation			
Description	Max. Gauss	Weight Lbs [kg]	Heat Load Btu/hr [W]
A OC Operator's Console	30	145 [65]	1700 [498]
G OT Operator's Table	---	220 [100]	0
A VFW Viewforum Workstation	10	125 [57]	1000 [293]
D ERB Emergency Run-Down Button (Qty. = 2)	---	3 [1]	0
J MAG Magnet Assembly	---	15850 [7190]	6825 [2000]
A PS Patient Support FastTrack	---	550 [250]	0
A HEP Helium Gas Exhaust Pipe (exam room only)	---	4ft [6m]	0
C HVG Helium Gas Exhaust Wave Guide	---	10 [5]	0
A GAC Gradient Amplifier 78i Single Cabinet	150	1030 [467]	14000 [4103]
A RCC Reconstructor Control Cabinet	150	580 [263]	6800 [1993]
A FCC Filter and Control Cabinet	150	464 [196]	1024 [300]
D LCC Liquid Cooling Cabinet	150	660 [300]	3400 [996]
D MDU Mains Distribution Unit	150	605 [275]	1700 [498]
C GFB Gradient and RF Cable Filter Box	150	55 [25]	170 [50]
B PAS Pressurized Air Compressor [not shown]	t.b.d.	t.b.d.	t.b.d.
B CBI Circuit Breaker (for system)	50	t.b.d.	t.b.d.
B CB2 Circuit Breaker (for Chiller) [not shown]	50	t.b.d.	t.b.d.
D CH Dimplex MEDKOOL 15000 AC Chiller [not shown]	10	2600 [1180]	188000 [55097]
D REM Chiller Remote Controller	10	1 [0.5]	0
G RSC RF Coil Storage Cabinet	---	1320 [600]	0

General System Requirements

Environmental

- Examination Room:
 - Operating Temperature: 68° - 75° F (20° - 24° C)
 - Relative Humidity: 40% to 60%, non-condensing
 - Air Conditioning Capacity: 6800 btu/hr (2 kW)
- Equipment Room:
 - Operating Temperature: 59° - 75° F (15° - 24° C)
 - Relative Humidity: 30% to 70%, non-condensing
 - Air Conditioning Capacity (standby): 6800 btu/hr (2 kW)
- Control Room:
 - Operating Temperature: 64° - 75° F (18° - 24° C)
 - Relative Humidity: 30% to 70%, non-condensing
 - Air Conditioning Capacity 1700 btu/hr (0.5 kW)

Primary Coolant

- Quality: Potable Tap Water
- pH: 6.0 - 8.0
- CaCO3: < 250 ppm
- Chlorine: < 200 ppm
- Suspended Matter: < 10 mg/L, < 100 micron particle size
- Cooling Liquid Inlet: 43° - 59° F (6° - 15° C)
- Maximum Flow Allowed: 23.8 GPM (90 L/min)
- Maximum Primary Cooling Liquid Pressure: 87 PSI (6 Bar)
- Temperature Stability: +/- 3.6° F (+/- 2° C)
- Ethylene Glycol Concentration: 35% Recommended
- Heat dissipation: 23,900 - 120,000 btu/hr (7 - 35 kW)

Controlled Zone

Exclusion zone for persons with cardiac pacemakers or other electrical implants - Magnetic field exceeds 5 Gauss (0.5 mT).

Power

- Supply Configuration: 3 phase, 3-wire power, and ground
- Nominal Line Voltage: 208, 240, 480 VAC, 60 Hz
- Branch Power Requirement: 60 kVA
- Circuit Breaker: 3 pole, 80A (480 VAC)

Remote Service Diagnostics

Medical Imaging equipment to be installed by Philips is equipped with a service diagnostic feature which allows for remote and on-site service diagnostics. To establish this feature, a RJ45 type Ethernet 10/100/1000 Mbit network connector must be installed. Access to customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity. All costs with this feature are the responsibility of the customer.