

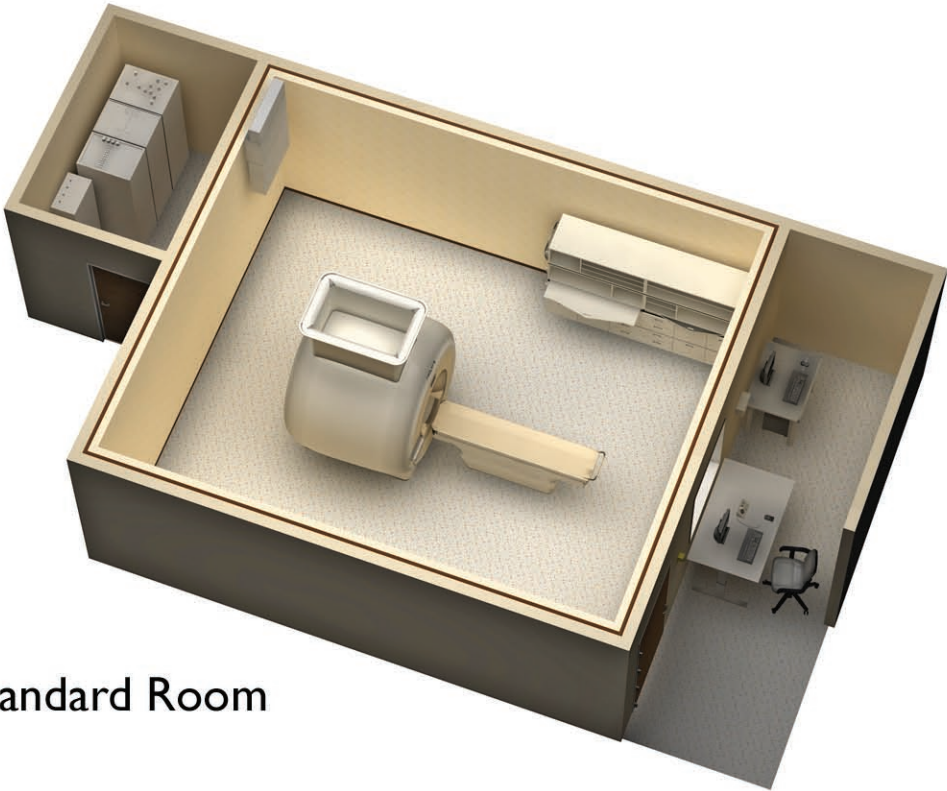
Exam  
Room View



Click and drag mouse over image to pan around the room



Control  
Room View



Standard Room

## Magnetic Resonance Video



Play



Stop



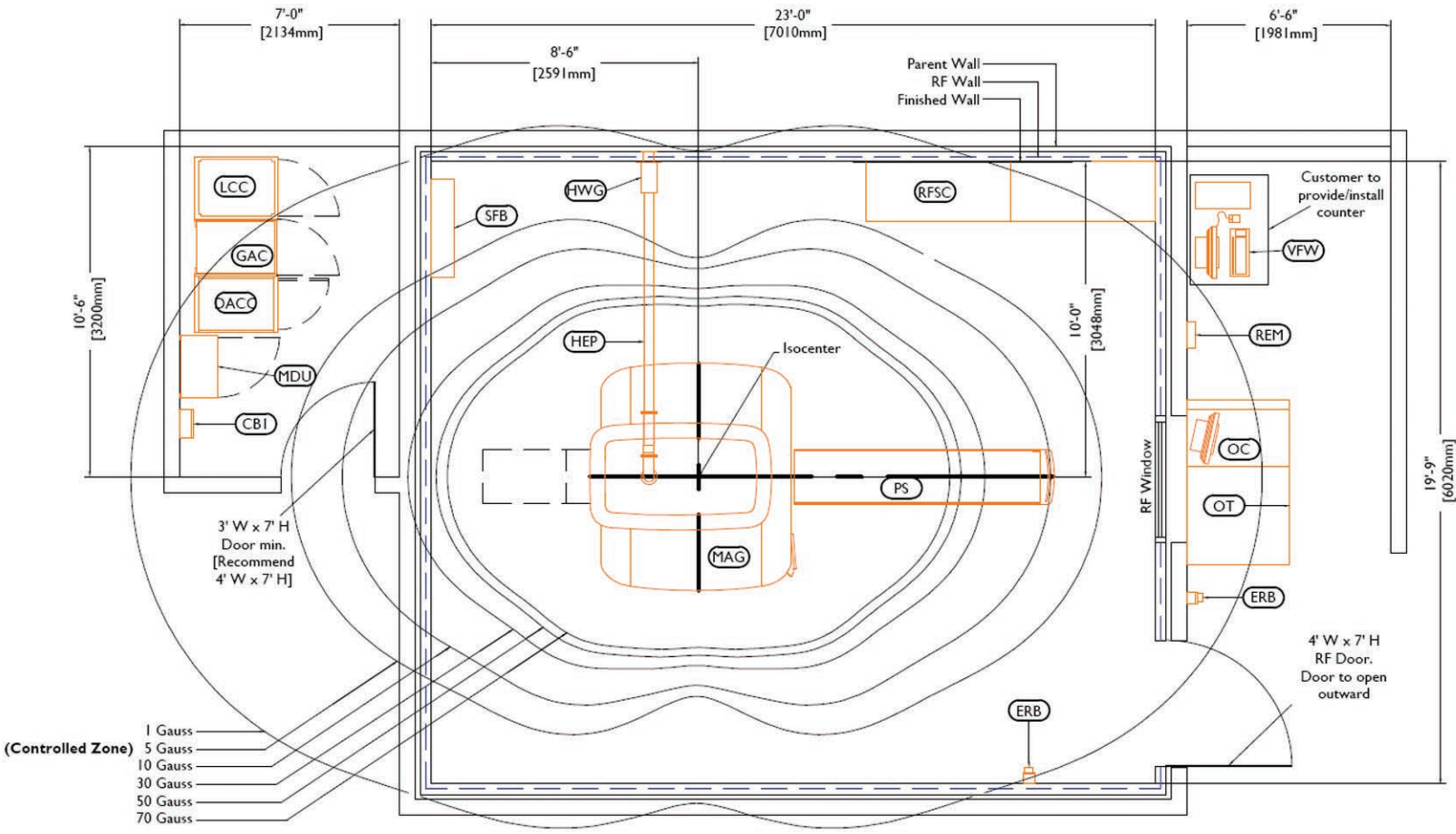
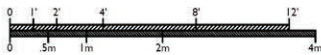
Achieva SE/Pulsar 1.5T  
Exclusively by Philips Healthcare



**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

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



Equipment Legend

A. Furnished and installed by Philips

B. Furnished by customer/contractor and installed by customer/contractor

C. Installed by customer/contractor

D. Furnished by Philips and installed by contractor

E. Wiring

F. Piping

G. Operational item furnished by Philips

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

VPW

Viewforum Workstation

10

125 [57]

1000 [293]

D

ERS

Emergency Run-Down Button (Qty. = 2)

---

3 [1]

0

J

MAG

Magnet Assembly

---

10210 [4630]

6800 [1993]

A

PS

Patient Support (HT)

---

365 [165]

0

A

HEP

Helium Gas Exhaust Pipe (exam room only)

---

4ft [6m]

0

C

HWG

Helium Gas Exhaust Wave Guide

---

10 [5]

0

A

GAC

Gradient Amplifier 781 Single Cabinet

150

1030 [467]

14000 [4103]

A

DACO

Data Acquisition and Control Cabinet

50

585 [265]

23900 [7004]

D

LCC

Liquid Cooling Cabinet

150

660 [300]

3400 [994]

D

MDU

Mains Distribution Unit

150

605 [275]

1700 [498]

A

SFB

System Filter Box with Covers

70

200 [90]

0

G

RPSO

RF Coil Storage Cabinet

---

1320 [600]

0

B

CB1

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

Danplex MEDKOOL 15000 AC Chiller [not shown]

10

2600 [1180]

188000 [55097]

D

REB

Chiller Remote Controller

10

1 [0.5]

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 - 136,600 btu/hr (7 - 40 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.