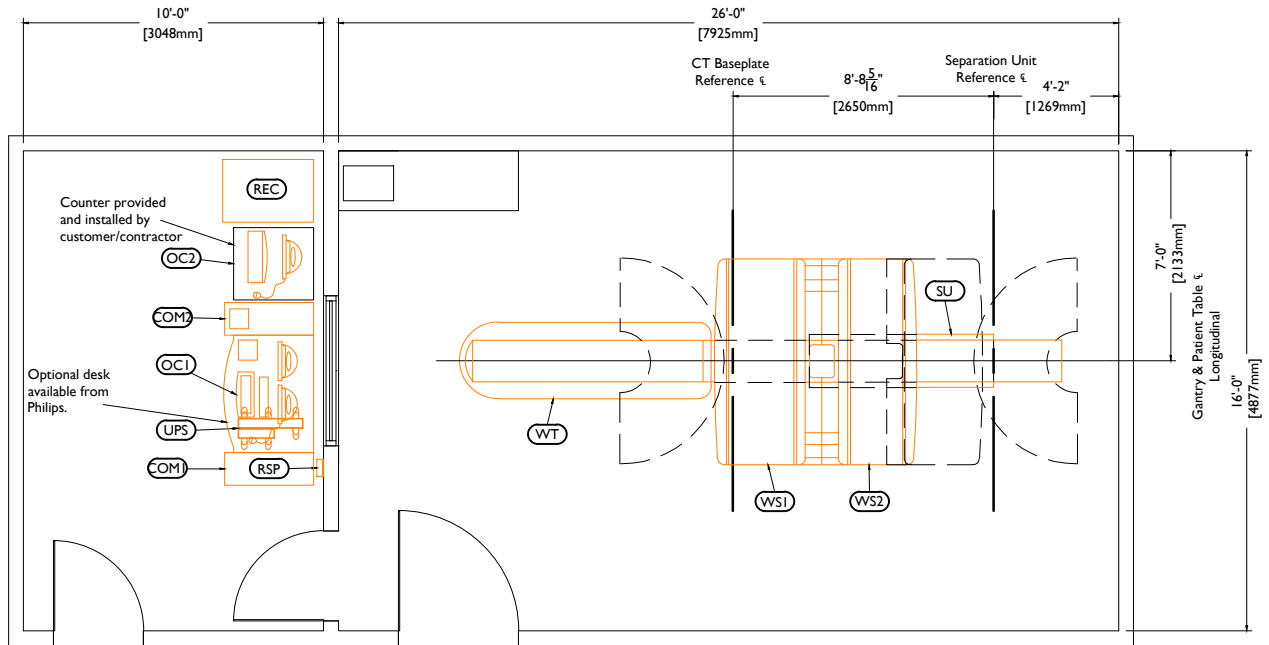


# GEMINI GXL - PET/CT System

## Preferred Room Layout

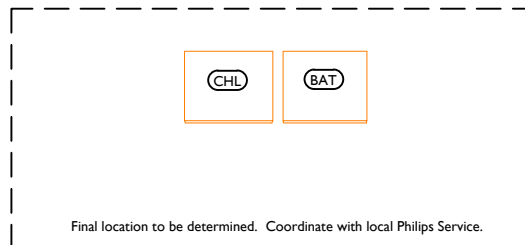
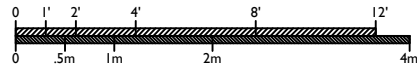
The layout shown below is based upon a typical equipment configuration and should be considered as a general design guideline. Site conditions, application requirements, customer preferences, and/or equipment configuration may significantly impact suite design and equipment layout. It is recommended to request site-specific drawings from a Philips representative early in the design process.



## Equipment Layout

Recommended Ceiling Height: 9'-0" (2743mm)

Minimum Ceiling Height: 8'-0" (2440mm)



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 Existing
- F Future
- G Optional item furnished by Philips

Equipment Designation

		Description	Weight lbs [kg]	Heat Load Btu/hr [W]
A	(WS1)	GEMINI CT Scanner Gantry	4200 [1905]	18000 [5275]
A	(WS2)	GEMINI PET Scanner Gantry	2500 [1134]	6000 [1758]
A	(WT)	Patient Table	900 [408]	- [-]
A	(SU)	Separation Unit / Inbore Lifter	425/100 [193/45]	- [-]
A	(COM1)	Computer Cabinet (for CT)	260 [118]	2000 [586]
A	(OC1)	Operators Console (for CT)	45 [20]	
A	(COM2)	Computer Cabinet (for PET Viewer)	260 [118]	
A	(OC2)	Operators Console (SVR for PET)	30 [14]	
A	(REC)	CIRS Recon Rack	332 [151]	5300 [1553]
A	(UPS)	Tripp Lite UPS (under counter)	116 [53]	500 [147]
A	(CHL)	Chloride 480 V / 80 kVA UPS	1800 [816]	5500 [1612]
A	(BAT)	Chloride 480 V / 80 kVA Battery Cabinet	1900 [862]	- [-]
A	(RSP)	Remote Status Panel (for Chloride UPS)	5 [2.3]	- [-]

# Environmental Requirements for General Equipment Locations

Operating temperature range throughout the PET/CT Suite is 59°-75° F (15°-24° C) at 35% to 70% relative humidity (non-condensing). Change rate not to exceed 5° F (3° C) / hour.

Heat output in one area of the PET/CT Suite must not affect temperature and humidity in other areas. It is strongly recommended that any definable areas within the Suite, i.e. equipment closets, control areas, etc. (if applicable) be individually environmentally controlled as required to meet the ambient ranges specified.

## Power Requirements

Supply Configuration:	3 phase Wye, 3 wires and Earth 1 & 2
Nominal Line Voltage (at Separation Unit):	480 VAC (+/- 10%), 50/60 Hz (+/- 3%)
Room Disconnect / Circuit Breaker:	100 A
Branch Power Requirement:	112.5 kVA

## 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.



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