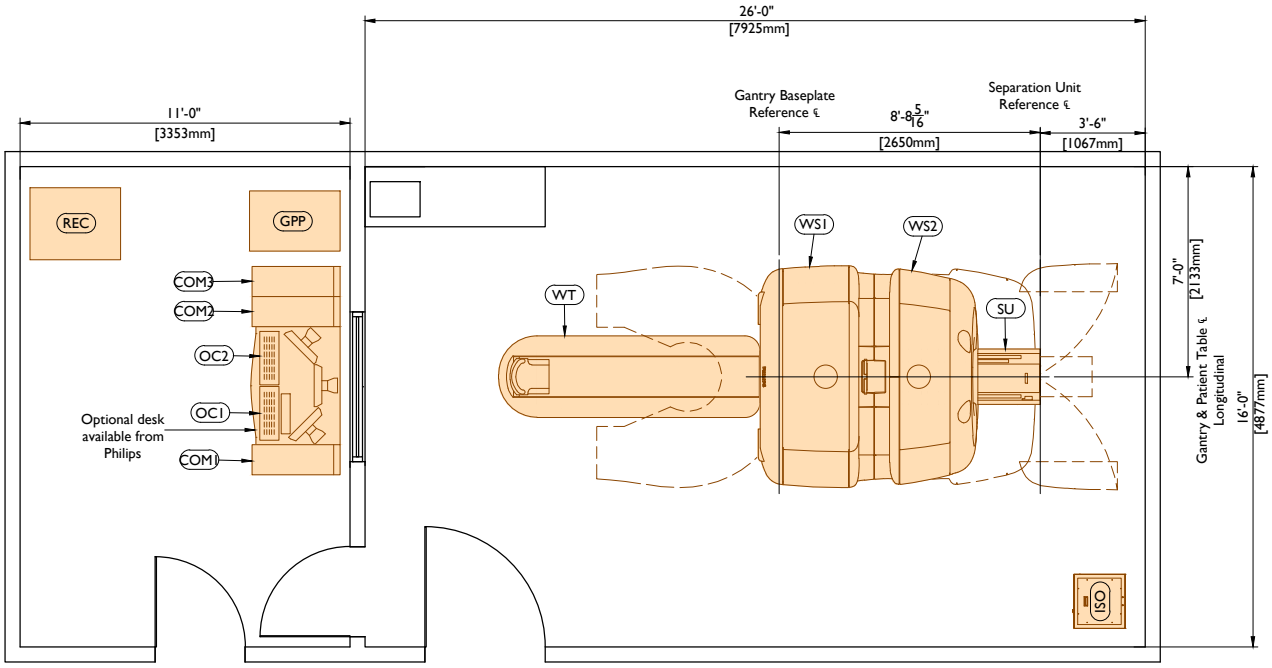
Gemini TF 64

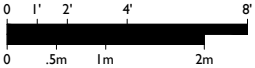
Preferred Room Layout

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)



PHILIPS

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 TF CT Scanner Gantry	3900 [1769]	18000 [5275]
A	WS2	Gemini TF PET Scanner Gantry	2408 [1095]	6000 [1759]
A	WT	Patient Table	900 [408]	--
A	SU	Installed Separation Unit/Inbore Lifter	425/83 [193/38]	--
A	OC1	Operator's Console (for CT)	45 [20]	1000 [294]
A	OC2	Operator's Console (for PET)	30 [14]	500 [147]
A	COM1	Console CRC	300 [137]	2000 [587]
A	COM2	Host Computer Cabinet (for PET)	260 [118]	1000 [294]
A	COM3	Server Computer Cabinet (for PET)	260 [118]	1000 [294]
A	REC	CIRS Recon Rack	1078 [489]	8500 [2492]
A	GPP	Gemini Power Protection UPS	430 [195]	1500 [441]
D	ISO	Teal MCT 100/480 Isotran Plus Power Unit	697 [316]	2350 [689]

Environmental Requirements for General Equipment Locations

Operating temperature range within the CT Exam Room is 64° F (18°C) to 75° F (24° C) [ideal stable room temperature setting: 72° F (22° C)] at 35% to 70% relative humidity (non-condensing). Operating temperature change per hour throughout the CT Exam Room must not exceed 5° F (3° C).

Operating temperature range throughout the rest of the CT Suite is 59°-75° F (15°-24° C) [ideal stable room temperature setting: 72° F (22° C)] at 35% to 70% relative humidity (non-condensing). Operating temperature change per hour throughout the CT Suite must not exceed 5° F (3° C).

The above conditions must be maintained at all times, including overnight, weekends, and holidays. Heat output in one area of the CT Suite msut not affect temperature and humidity in other areas. It is strongly recommended that any definable areas with the suite, i.e. equipment closets, control areas, etc. (if applicable), be individually environmentally controlled as required to meet ambient ranges specified.

Power Requirements

Supply Configuration: 3 phase Wye, 3 wires and Earth 1 and 2

Nominal Line Voltage: 480 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz)

Branch Power Capacity: 112.5 kVA

Remote Service Diagnostics

Medical Imaging equipment to be installed by Philips is equipped with a service diagnostic feature whcih 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 the customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity. All costs associated with this feature are the responsiblity of the customer.

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