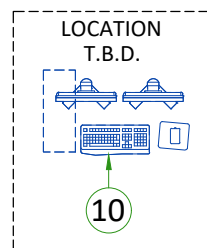
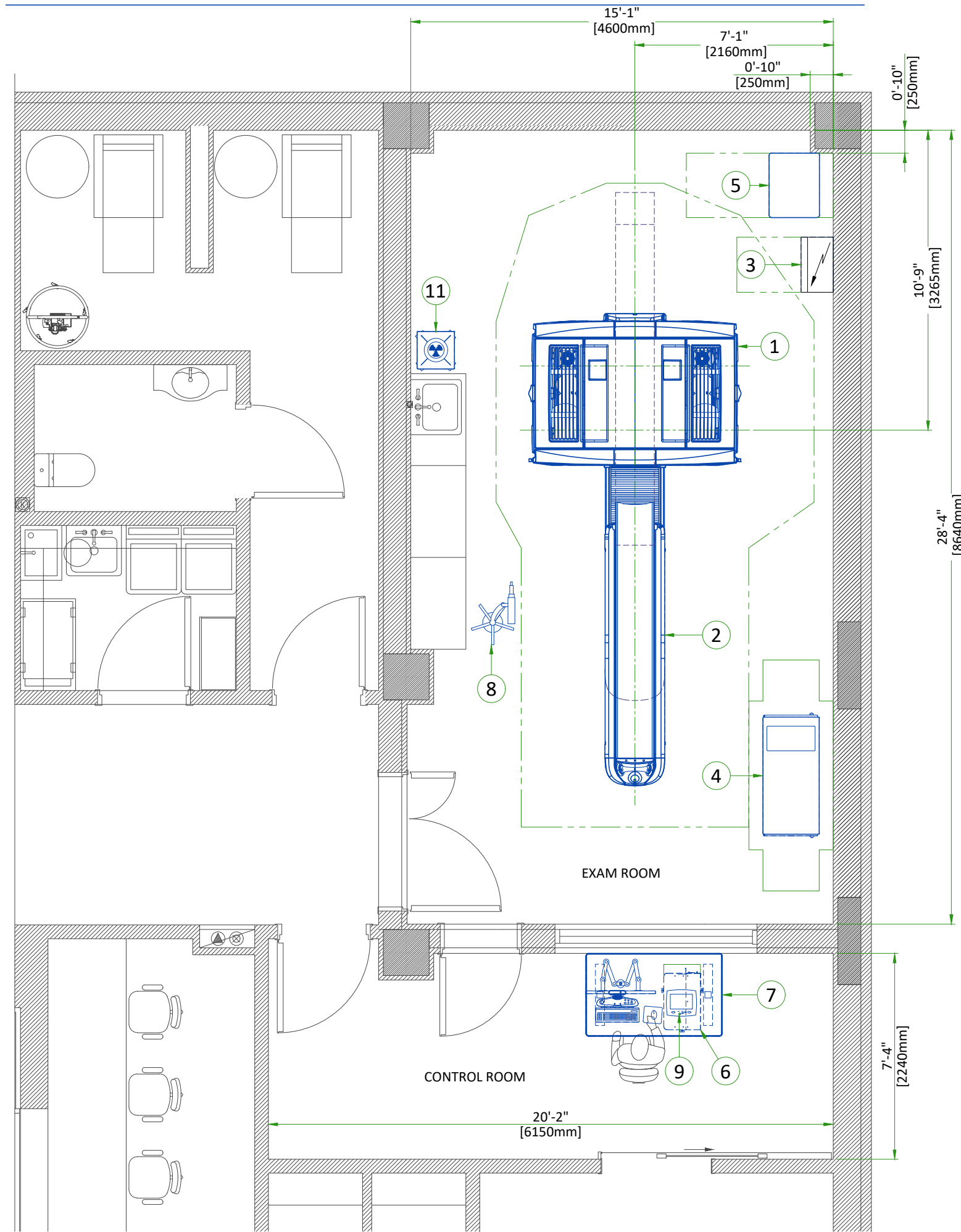


EQUIPMENT LAYOUT



ITEM	DESCRIPTION	DIMENSIONS LxWxH (in)	WEIGHT (lb)
1	GANTRY	62x92x76	6742
2	PATIENT TABLE	136x26x42	1808
3	MAIN DISCONNECT PANEL (MDP - NOT SUPPLIED BY GE)	-	-
4	PARC4	24.3x49.5x56	540
5	POWER DISTRIBUTION UNIT (PDU)	27.6x21.7x41.8	813
6	OPERATOR CONSOLE	24.2x15.7x22.6	134
7	OPERATORS DESK	35.2x58.3x27-44.8	154
8	INJECTOR	-	-
9	INJECTOR CONTROL	-	-
10	AW WORKSTATION	21.7x8.5x17.5	70
11	ANNULUS PHANTOM SHIELD CONTAINER	16x16x26.2	313

STRUCTURE - ACCORDING TO RECEIVED DRAWING

WALL - ACCORDING TO RECEIVED DRAWING

EXAM ROOM HEIGHT

FINISHED CEILING HEIGHT	9'-0" [2743mm]
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The GE HPI Technical Support Group is an additional resource that can provide answers for general GE product siting questions and can be reached at (877)-305-9677 or mail to: HPITechCOE@ge.com
 For Accessory Sales: (866) 281-7545 Options 1, 2, 1, 2 or mail to: gehaccessorysales@ge.com



DISCOVERY PET/CT IQ PRELIMINARY STUDY

0	First issue drawing
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REV	DATE	MODIFICATIONS
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A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation. Pre Installation documents for GE Healthcare products can be accessed on the web at: www.gehealthcare.com/siteplanning
 GE does not take responsibility for any damages resulting from changes on drawings made by others. Errors may occur by not referring to the complete set of final issue drawing. GE cannot accept responsibility for any damage due to the partial use of GE final issue drawings, however caused. Do not scale from printed pdf files. GE accepts no responsibility or liability for defective work due to scaling from these drawings.

Drawn by	Verified by	S.O. (GON)	Concession	PIM Manual	Rev
RET	RET	-	----	5495000-1EN	6
Format	Scale	File Name		Date	Sheet
A3	1:50	EN-PET-TYP-PRE-DISCOVERY_IQ.DWG		05/Feb/2020	01/02

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM		
	Min	Recommended	Max	Min	Recommended	Max
	Temperature	18°C 64°F	22°C 72°F	26°C 79°F	18°C 64°F	22°C 72°F
Temperature gradient	≤ 3°C/h ≤ 5.4°F/h			≤ 3°C/h ≤ 5.4°F/h		
Relative humidity (1)	30% to 60%			30% to 60%		
Humidity gradient	≤ 5%/h			≤ 5%/h		
Heat dissipation	Max 8.7 kW			Max 1.1 kW		

STORAGE CONDITIONS

Temperature	0°C to 30°C	32°F to 86°F
Relative humidity (1)	up to 70%	
Temperature gradient	≤ 3°C/h	≤ 5.4°F/h
Humidity gradient	≤ 5%/h	

Material should not be stored for more than 6 months.

(1) Non-condensing

AIR RENEWAL

According to local standards. The HVAC system should be designed to provide 5 air changes per hour to maintain adequate air quality and temperature.

NOTE

In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

DELIVERY

THE CUSTOMER/CONTRACTOR MUST :

- Provide an area, adjacent to the PET/CT suite, for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights, are sufficient to accommodate the movement of GE equipment from the delivery area to the specific rooms of the site.
- Ensure that the access route will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- If the parking and dock facilities are on property which does not belong to the customer, ensure that all necessary steps have been taken to ensure their temporary use by GE.

DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

CT GANTRY	LENGTH	2810 mm	111 in	1982 kg	4370 lb
	WIDTH	1290 mm	51 in		
	HEIGHT	2000 mm	79 in		
PET GANTRY (WELDMENT)	LENGTH	2794 mm	110 in	1262 kg	2782 lb
	WIDTH	1118 mm	44 in		
	HEIGHT	1880 mm	74 in		
PATIENT TABLE	LENGTH	3836 mm	151 in	1241 kg	2736 lb
	WIDTH	864 mm	34 in		
	HEIGHT	1410 mm	55.5 in		

Above dimensions shown with side rails on. The minimum unobstructed hallway width is 1803 mm, the minimum clear doorway openings is 1067 mm to accommodate delivery of the system.

POWER AND NETWORK REQUIREMENTS

POWER SUPPLY

POWER SUPPLY	3 PHASES+G 200V/220V/240V/380V/400V/420V/440V/460V/480V ±10%
FREQUENCIES	50/60Hz ± 3Hz
MAXIMUM POWER DEMAND	90 kVA
AVERAGE POWER	10 kVA
POWER FACTOR	0.85

- Power supply should come into a Main Disconnect Panel (MDP) containing the protective units and controls.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops, equal to 3.4% max. of regulation for feeder size.
- There must be discrimination between supply cable protective material at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.
- TNC neutral point connection must not be used.

SUPPLY CHARACTERISTICS

- Power input must be separate from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...).
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.
- Phase imbalance 2% maximum.
- Maximum voltage variation at 90 kVA = 6% (Including line impedance).
- Maximum Transients voltage is 1500V peak.
- A record of power input disturbances over a continuous two-weeks period (prior to delivery) enables determination of the frequency and degree of these disturbances and can be used to ascertain the need to provide line conditioning equipment.

DISCLAIMER

This drawing is a preliminary drawing. Site conditions and/or equipment configuration may have a significant impact on room layout and site preparation. Final study must be done before installation of the GE equipment. GE cannot accept any responsibility for errors due to lack of information.

The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.

It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final drawings. These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

The customer must ensure the floor strength is sufficient to support the fixings as required. A qualified structural engineer must be consulted and all work carried out according to his specifications.

Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.

DATE	NAME	SIGNATURE