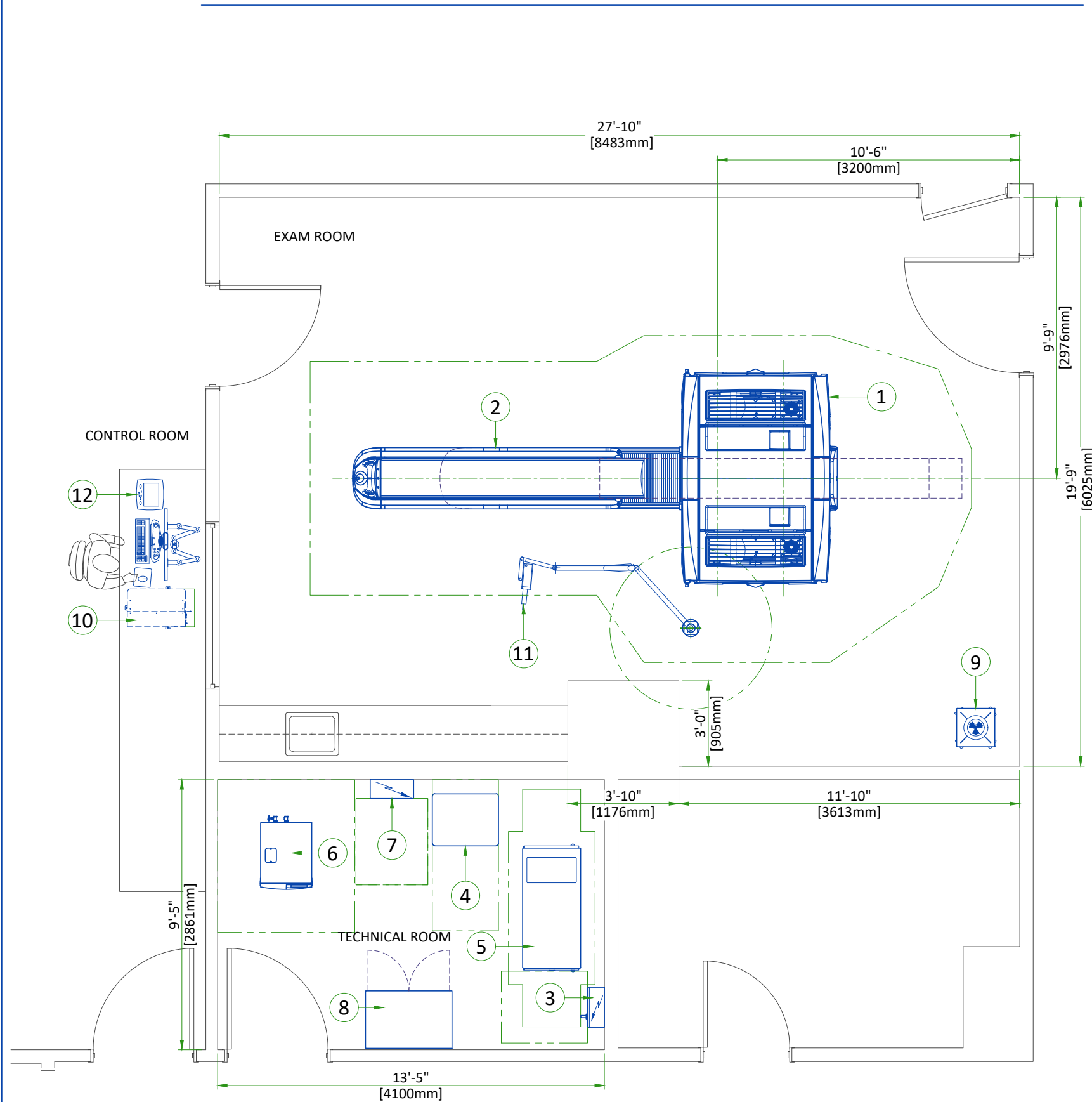


# EQUIPMENT LAYOUT



ITEM	DESCRIPTION	DIMENSIONS LxWxH (in)	WEIGHT (lb)
1	GANTRY	62x92x76	6383
2	PATIENT TABLE	136x26x42	1808
3	MAIN DISCONNECT PANEL (MDP)	7x16.7x24.6	46
4	POWER DISTRIBUTION UNIT (PDU)	28x22x41.8	816
5	PARC4	49.5x24.3x56	540
6	CHILLER	28x21.4x31	320
7	POWER DISTRIBUTION BOX	9.5x19.7x24.8	66
8	STORAGE CABINET	18x36x42	90
9	ANNULUS PHANTOM SAFE	16x16x26.2	330
10	OPERATOR CONSOLE	24.3x15.7x22.7	144
11	INJECTOR ON CEILING	-	80
12	INJECTOR CONTROL	-	-

EXAM ROOM HEIGHT	
FINISHED CEILING HEIGHT	9'-0" [2743mm]

LEGEND		
	ARCHITECTURAL ELEMENTS	
	GE SUPPLIED	
	EQUIPMENT MOVEMENT	
	SERVICE CLEARANCE	
	MAIN AXIS	
	DIMENSIONS	
	CUSTOMER SUPPLIED ITEMS	

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](mailto:HPITechCOE@ge.com)  
 For Accessory Sales: (866) 281-7545 Options 1, 2, 1, 2 or mail to: [gehaccessorysales@ge.com](mailto:gehaccessorysales@ge.com)



## DISCOVERY MI PET/CT PRELIMINARY STUDY

REV	DATE	MODIFICATIONS
0		First issue drawing

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](http://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	-	----	5661740-1EN	4
Format	Scale	File Name		Date	Sheet
A3	1:50	EN-PET-TYP-PRE-DISCOVERY_MI.DWG		05/Feb/2020	01/02

## TEMPERATURE AND HUMIDITY SPECIFICATIONS

### IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM			TECHNICAL ROOM		
	Min	Recommended	Max	Min	Recommended	Max	Min	Recommended	Max
	Temperature	18°C	22°C	26°C	18°C	22°C	26°C	18°C	22°C
	64°F	72°F	79°F	64°F	72°F	79°F	64°F	72°F	79°F
Temperature gradient	≤ 3°C/h			≤ 3°C/h			≤ 3°C/h		
	≤ 5.4°F/h			≤ 5.4°F/h			≤ 5.4°F/h		
Relative humidity (1)	30% to 60%			30% to 60%			30% to 60%		
Humidity gradient	≤ 5%/h			≤ 5%/h			≤ 5%/h		
System heat dissipation (2)	Max			Max			Max		
	8.6 kW			1.07 kW			7.00 kW		
	29344 btu			3625 btu			23873 btu		

### STORAGE CONDITIONS

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

Material should not be stored for more than 6 month.

(1) Non-condensing

(2) Actual heat output is site specific and dependent on the specific configuration and customer usage.

### 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 SHOULD:

- Provide an area adjacent to the installation site 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 into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

### DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

		mm	in	kg	lbs
CT GANTRY	LENGTH	2810	111	2050	4520
	WIDTH	1290	51		
	HEIGHT	2000	79		
PET WELDMENT GANTRY	LENGTH	2794	110	1204	2654.3
	WIDTH	1118	44		
	HEIGHT	1880	74		
PATIENT TABLE	LENGTH	3836	151	1241	2736
	WIDTH	864	34		
	HEIGHT	1410	55.5		

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	<b>3 PHASES+G 380V/400V/420V/440V/460V/480V ±10%</b>
FREQUENCIES	<b>50/60Hz ± 3Hz</b>
MAXIMUM POWER DEMAND	<b>100 kVA</b>
AVERAGE POWER	<b>30 kVA</b>
POWER FACTOR	<b>0.85</b>

- Power supply should come into a System PDB (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 PDB.
- 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 allowable total source regulation= 6%.
- Transients must be less than 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.

ALL DETAILS OF EQUIPMENT AND TECHNICAL DATA ARE SUBJECT TO CHANGE

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

DATE	NAME	SIGNATURE