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04 - Floor Structural Details
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REV

24/FEB/2023 DATE

First issue drawing (DC-376449)

MODIFICATIONS

10 - Equipment Dimensions (2) 11 - HVAC - Delivery 12 - Disclaimer - Site Readiness

08 - Environment - Interconnections 09 - Equipment Dimensions (1)

GE Healthcare

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Drawn by Verified by M. Czibók **REVOLUTION MAXIMA** Concession FINAL STUDY S.O. (GON)

CT-B329269-FIN-00-A.DWG

File Name

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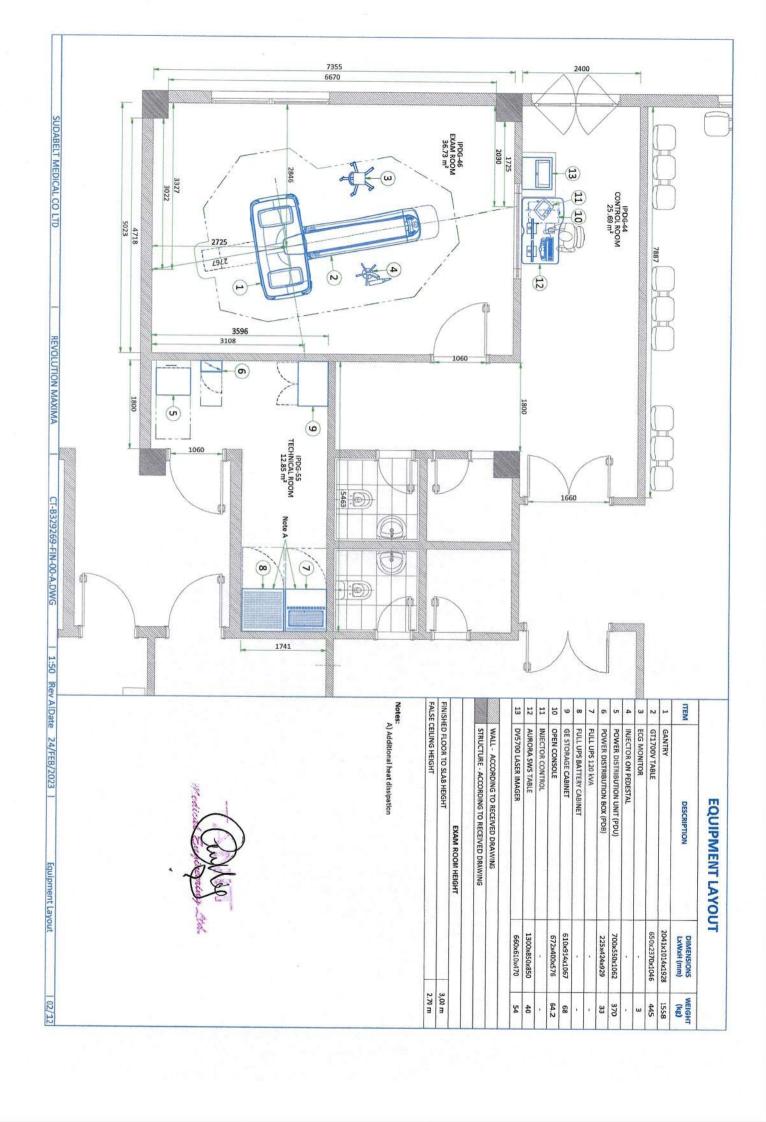
PIM Manual

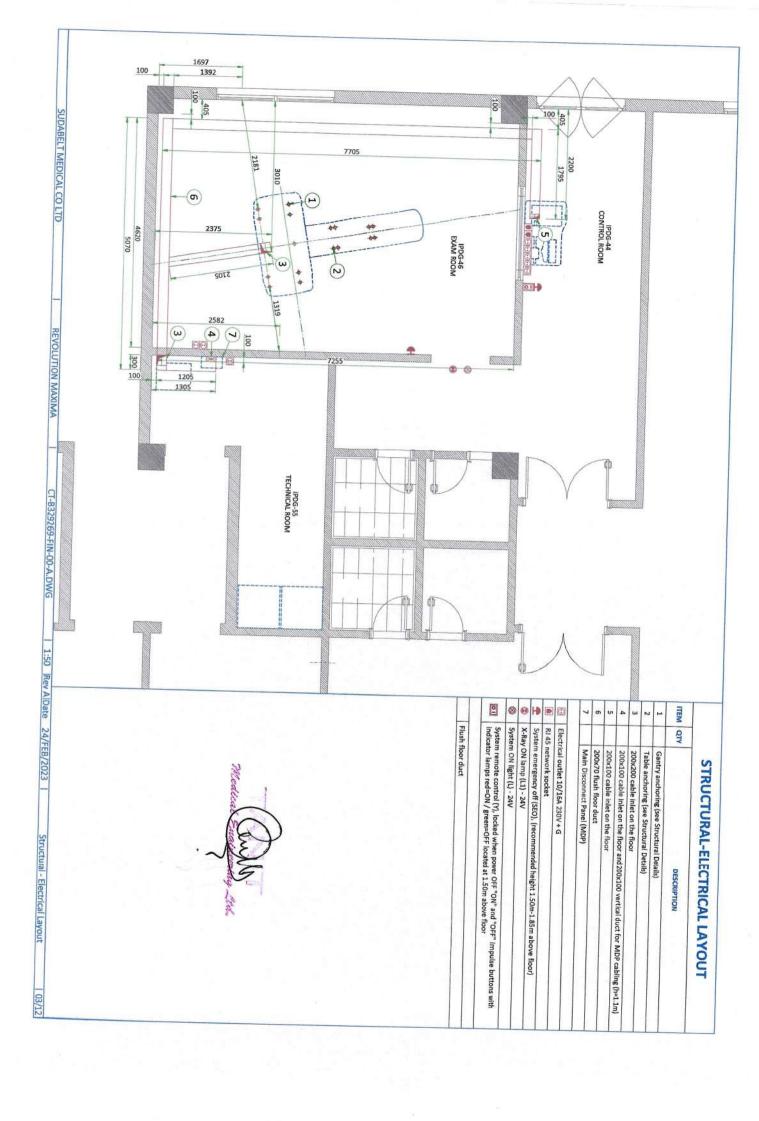
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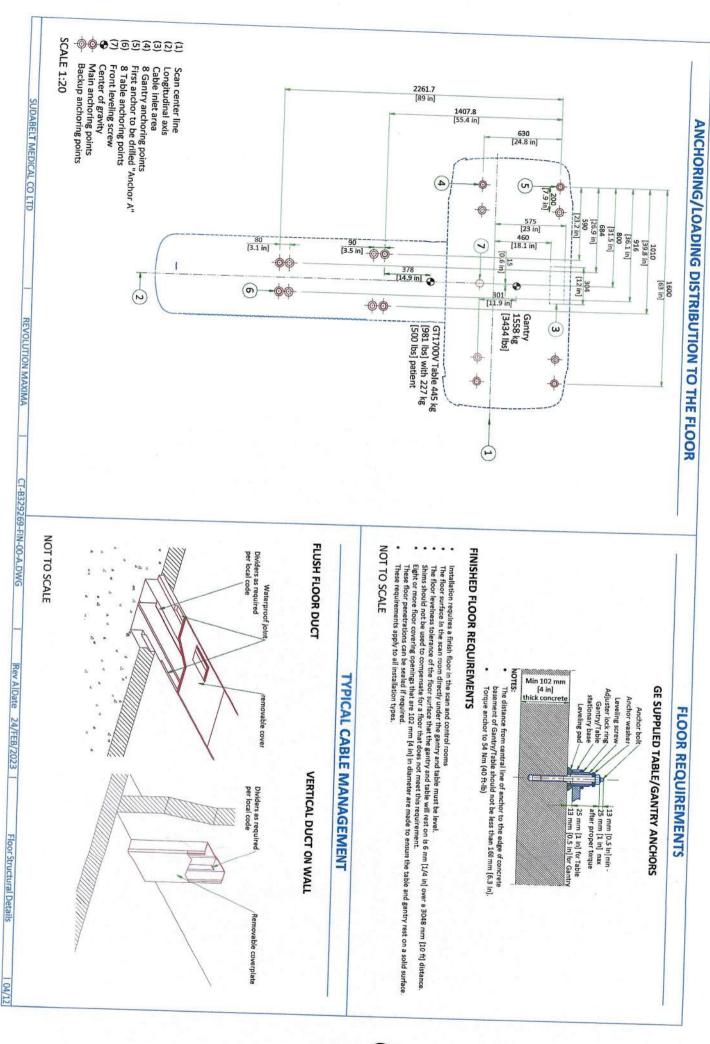
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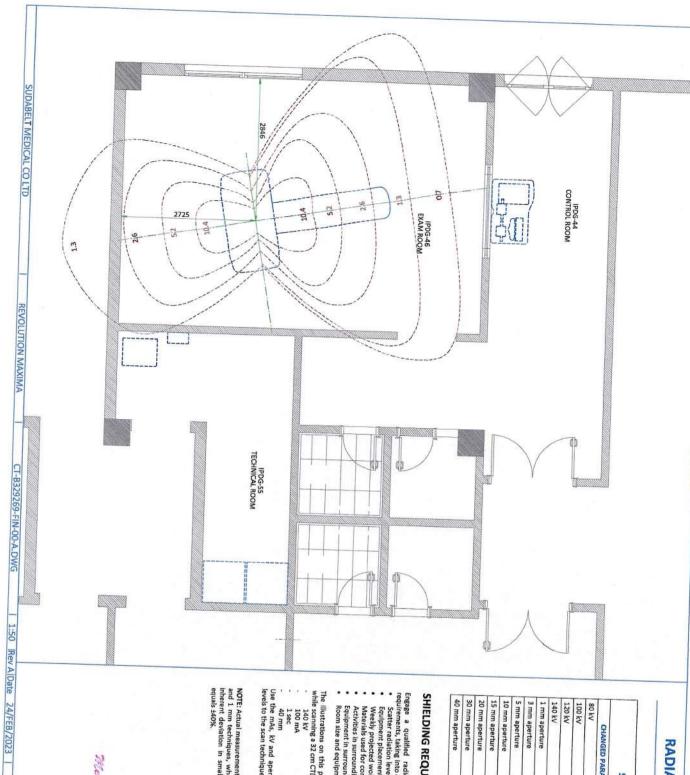
due to scaling from these drawings.	set of final issue drawing. GE cannot accept responsibility for any damage due to the partial use of GE final issue drawings, however caused. All Format Scale	OE does not take responsibility for any damages resulting from the most state of the web at: www.gehealthcare.com/siteplanning	A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the Pre Installation manual will result in	
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RADIATION PROTECTION LAYOUT

CHANGED PARAMETER (mAs)	MUITIBLICATION EACTOR
80 kV	TOTAL THE (new mas/100)
100 to	0.24
TOURY	0.45
120 kV	
140 60	0.71
14074	1,00
aper are	0.20
o min aperture	0.22
o min aperture	0.27
10 mm aperture	0.00
15 mm aperture	0.30
20 mm another	0.48
so min aperture	0.59
or mm aperture	0.79
10 mm aperture	100

SHIELDING REQUIREMENTS:

Engage a qualified radiological health physicist to review your scan room shielding requirements, taking into consideration:

Scatter radiation levels within the scanning room
Equipment placement.

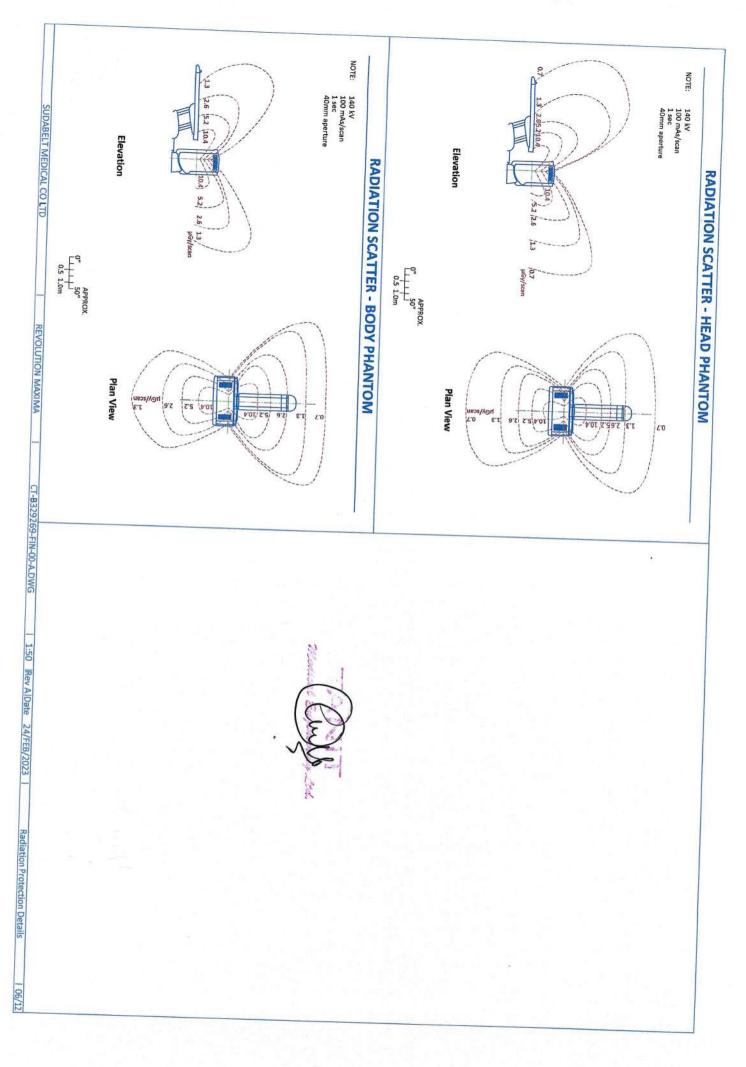
- Weekly projected work-loads (number of patients/day technique (kvp*ma))
 Materials used for construction of walls, floors, ceiling, doors, and windows.
 Activities in surrounding scan room areas (e.g., film developer, film storage)
 Room size and equipment placement within the room relative to room size.

- The illustrations on this page depict measured radiation levels within the scanning room, while scanning a 32 cm CTDI phantom with the technique shown:

140 kV
100 mA
1 sec
40 mm
Use the mAs, kV and aperture scaling factors in the table shown here to adjust exposure levels to the scan technique used at the site.

NOTE: Actual measurements can vary. Expected deviations equals ±15%, expect for the 5 mA and 1 mm techniques, where variations may be greater (up to a factor of 2), due to the inherent deviation in small values. The maximum deviation anticipated for tube output equals ±40%.





POWER REQUIREMENTS

- 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.
- (main low-voltage transformer side) and the protective devices in the MDP There must be discrimination between supply cable protective device at the beginning of the installation

SUPPLY CHARACTERISTICS

- Power input must be separate from any others which may generate transients (elevators, air conditioning, All equipment (lighting, power outlets, etc...) installed with GE system components must be powered radiology rooms equipped with high speed film changers..
- Phase imbalance 2% maximum
- Transients must be less than 1500V peak. (on a 400V line)

GROUND SYSTEM

- System of equipotential grounding.
- equipotential connections linking up all the conducting units in the rooms where GE system units are located. Equipotential: The equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional

CABLES

- Power and cable installation must comply with the distribution diagram
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical
- be connected during installation. Each conductor will be identified and isolated (screw connector). The cables from signaling and remote control (Y, SEO, L...) will go to MDP with a pigtail length of 1.5m, and will

CABLEWAYS

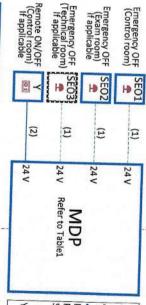
The general rules for laying cableways should meet the conditions laid down in current standards and regulations,

- Protecting cables against water (cableways should be waterproof)
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts)
- Protecting cables against temperature shocks.
- Replacing cables (cableways should be large enough for cables to be replaced)
- Metal cableways should be grounded



POWER DISTRIBUTION

For Main Supply (3 phases) Feeder and Ground wire size Refer to Table2



MP Main Disconnect Panel Power Distribution Unit Equipment SUPPLIED BY GE CUSTOMER Equipment SUPPLIED BY Cable SUPPLIED BY GE Cable SUPPLIED BY CUSTOMER

System Remote Control with "ON" and "OFF" buttons normally closed (NC) contacts twist-to release style with two

Emergency OFF Button latching

Table1:

GE Supplied Main Disconnect Panel (MDP)	lied Main Discon Panel (MDP)	nect
Region	CAT number Amps	Amps
Global except EMEA(440~480 V)	E4502BB	90
Global except EMEA(380~420 V)	E4502BC	110
EMEA(380~420 V) E45021BB (3) 125	E45021BB (3)	125

Feeder Table

Table2:

Connections Detail

For Sub-Feeder and Ground wire size refer to Table2 (3)

refer to the next

Warning Light and

For Scan Room Door Interlock

PDU

The information below assumes the use of copper wire, rated 75 C and run in steel conduit. All ampacity is determined in accordance with the National Electrical Code (NFPA 70), Table 310-16 (2002). The ampacity of the circuit protection device listed above determines the minimum feeder size, except where total source regulation limits require a larger size. If the wire size does not match the above lists, please select the nearest wire size as per to local standards.

								por inculato	un a dedicated 1/0 [50 mm²] or larger insulated conner ground
					ding	Grounding			
	3 (30)	3 (30)	3(30)	2 (35)	2 (35)	1/0 (55)	1/0 (55)	1 (45)	32 (9.7536)
	Trans.		-	-					Sub-Feeder length from MDP to PDU - ft (m)
	1/0(55)	1/0 (55)	1/0 (55)	2/0 (70)	2/0 (70)	8/0 (2/5) 7/0 (215) 7/0 (215)	7/0 (215)	8/0 (2/5)	(see face)
	1 (45)	1 (45)	1/0 (55)	1/0 (55)	2/0 (70)	6/0 (170)	//0(215)	(0/2/0/0	400 (122)
- 11	2 (35)	1 (45)	1(45)	1/0 (55)	1/0 (55)	(571)0/6	0/0(1/0)	(012)	350 (107)
3 (30)	2 (35)	2 (35)	2 (35)	1 (45)	1 (45)	(cariote	6/0/1170)	7/0/215)	300 (91)
	3 (30)	3 (30)	2 (30)	1001	1 (40)	5/0/1951	6/0 (170) 5/0 (175) 5/0 (175)	6/0 (170)	250 (76)
1	3 (30)	(00)	100)	2/25)	2 (35)	4/0 (100)	4/0 (100) 4/0 (100)	5/0 (125)	200 (61)
1	2 (20)	2/201	106/18	2 (35)	2 (35)	3/0 (85)	3/0 (85)	4/0 (100)	150 (46)
-	3 (30)	3 (30)	3 (30)	2 (35)	2 (35)	1/0 (55)	1/0 (55)	2/0 (70)	200 (20)
	3 (30)	3 (30)	3 (30)	2 (35)	2 (35)	1/0 (55)	(cc) n/r	(cc) n/r	100/201
480 VAC	460 VAC	440 VAC	420 VAC	400 VAC	1	_	JWA 0777	1/0/251	50 (15)
8 1		/VAC	MCM (mm²	Minimum Wire Size, AWG or MOM (mm²)/VAC	num Wire S	1	The same	200 VAC	Substation to MDP - ft (m)
									Bandar III.

Notes: (1) (2) (3)

R

- Wire size: 2x2mm² [14AWG] and 1x2mm² [14AWG] GND
- Power cable: 3 Meter/10', multi-conductor, 24V DC

GE supplied MDP option E45021BB includes a 10 meter long power cable (H07RN-F) with wire size 4x50mm² and a 50 meter long control cable with wire size 2x1.5mm²

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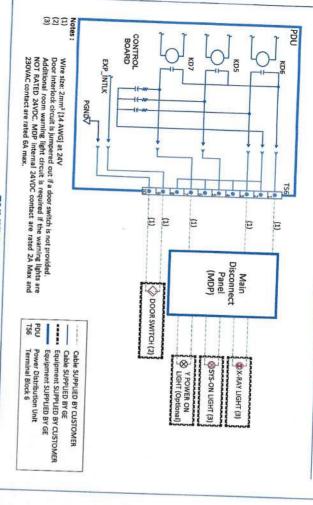
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Power Requirements - Power Distribution

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SCAN ROOM WARNING LIGHT AND DOOR INTERLOCK

ENVIRONMENT

ALTITUDE

elevation of -150 m to 2,400 m [-492 ft to 7,875 ft] above sea level. For different altitudes refer to the PIM. The system shall meet all functional and performance specifications when placed in a room that is at an

MAGNETIC FIELD SPECIFICATIONS

Limit the magnetic interference to guarantee specified imaging performance

- Ambient static magnetic fields less than 1 Gauss
- Ambient AC magnetic fields less than 0.01 Gauss peak

OPERATOR CONSOLE:

Ambient static magnetic fields less than 10 Gauss

SYSTEM COMPONENT NOISE LEVEL

- CT scan acquisition. It is less than 70 dBA when measured at a distance of 1 m [3.3 ft] from the nearest gantry Maximum Gantry Audible Noise Level: The maximum ambient noise level is produced by the gantry during a
- Maximum Console Audible Noise Level: The maximum ambient noise levels is less than or equal to 54 dBA when measured 1 m [3.3 ft] up and 1 m [3.3 ft] away from the console at an ambient temperature of 26°C

CONNECTIVITY REQUIREMENTS

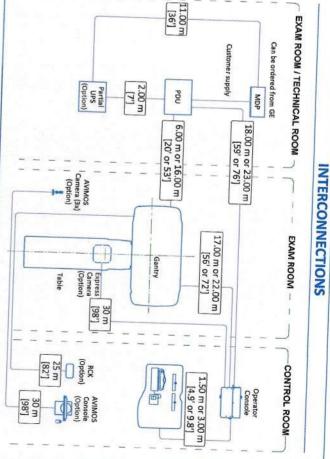
Your new GE Healthcare imaging modality will require local and remote connectivity to enable our full range of digital support:

- We will require network information to configure the system(s), and a live ethernet port(s) prior to the Local connectivity - This allows your system to connect to local devices such as PACS and modality worklist
- Remote connectivity Your GE Healthcare service warranty includes InSite™ (applicable to InSite capable products), a powerful broadband-based service which enables digital tools that can help guard your hospital against equipment downtime and revenue loss by quickly connecting you to a GE Healthcare

Depending on product family and software version, imaging systems can be connected in one of the following

- 1. TLS over TCP Port 443 (Preferred method for new products) via: a. DNS resolution
- b. Customer-provided Proxy or
- c. GE Proxy (Available in some regions)
- Site-to-Site IPsec VPN tunnel

GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the required to set up these connections. GEHC will send out communication to these contacts, which will include the project's Connectivity requirements, and a Connectivity form. This form will need to be completed and returned to Please provide the GE project manager with the contact information for the resource that can provide information





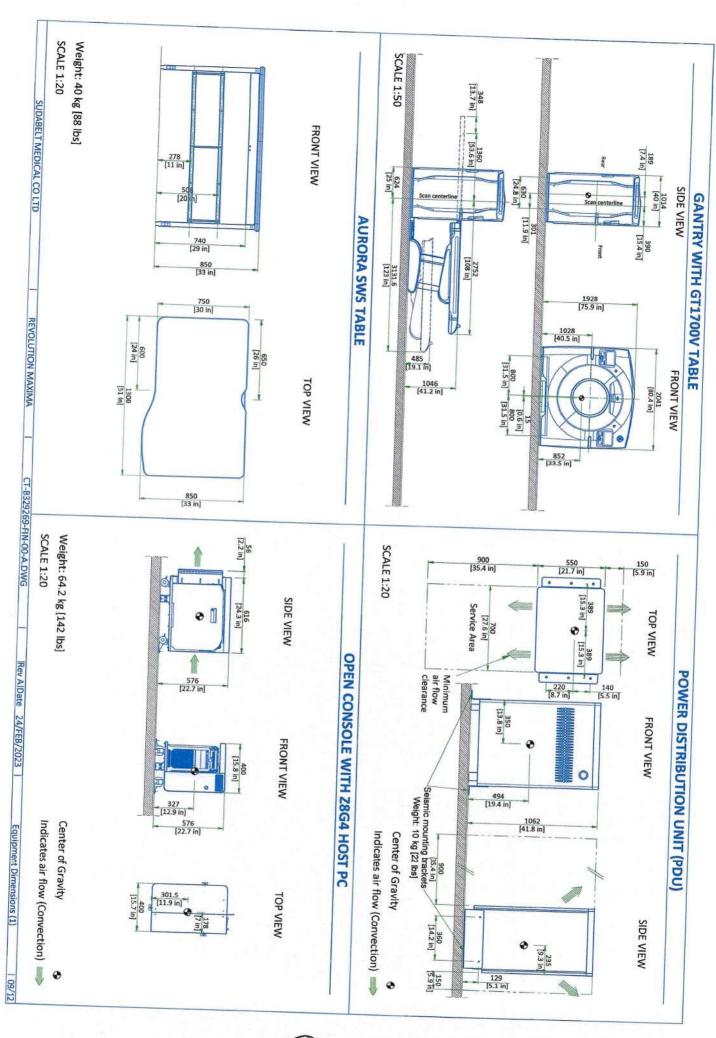


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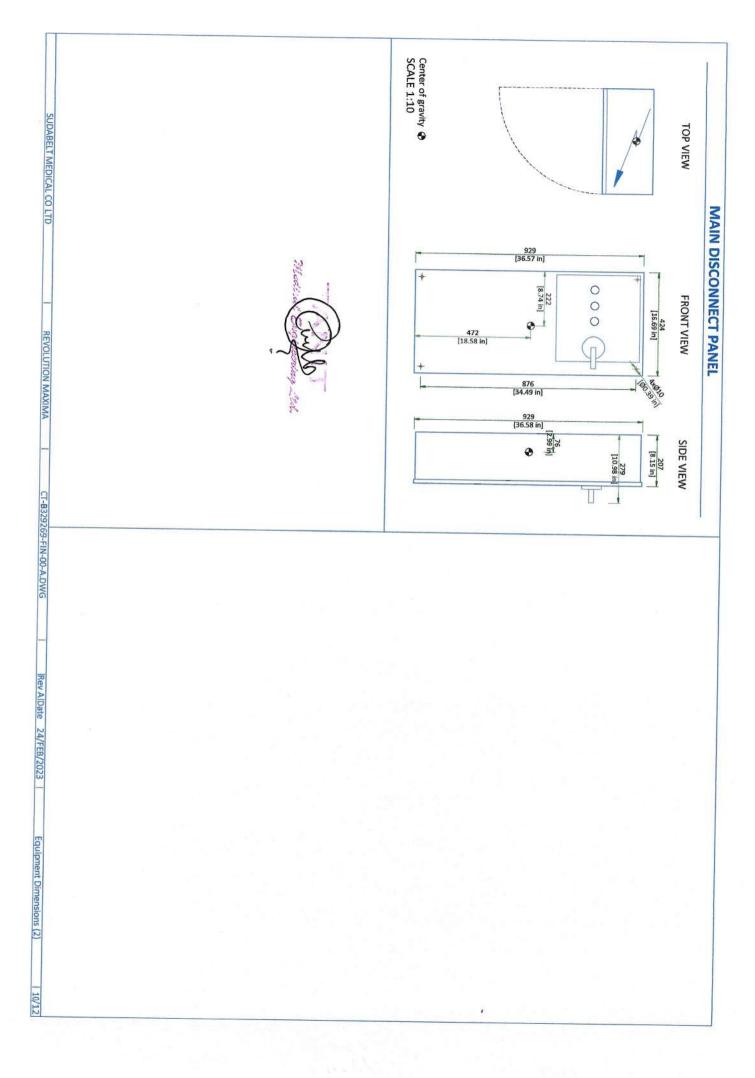
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Environment - Interconnections

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TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

STORAGE CONDITIONS

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

Storage longer than 6 months is not recommended.
(1) Non-condensing

AIR RENEWAL

According to local standards

HEAT DISSIPATION DETAILS

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.

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DELIVERY

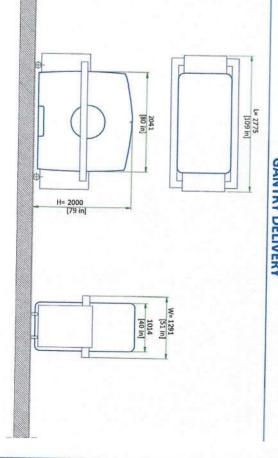
THE CUSTOMER/CONTRACTOR SHOULD:

- 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

EQUIPMENT		DIMENSIONS		
	LENGTH	2775 mm	109 in	
GANTRY	WIDTH	1291 mm	51 in	
	HEIGHT	2000 mm	79 in	
	LENGTH	2489 mm	98 in	
GT1700V TABLE	WIDTH	762 mm	30 in	
	HEIGHT	1143 mm	45 in	

GANTRY DELIVERY



NOT TO SCALE The gantry is shipped on a dolly equipped with elevating casters (normal shipping configuration).

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HVAC - Delivery

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DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed The final study contains recommendations for the location of GE equipment and associated devices, electrical
- on-site study and the wishes expressed by the customer the pre-installation work and electrical power supply are given according to the information noted during The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for
- 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.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables. If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted
- customer's responsibility to ensure that the site and final equipment placement complies with all applicable The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- for any damage resulting therefrom. These drawings are not to be used for actual construction purposes. The company cannot take responsibility

CUSTOMER RESPONSIBILITIES

- up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the delivery and installation date. final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow
- responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a ceiling, floor or walls are the customer's responsibility structural elements, dimensioning and the selection of appropriate installation methods are the sole way that the loads of the installed system can be securely borne and transferred. The layout of additional

RADIO-PROTECTION

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.

DATE	NAME	SIGNATURE
18/10/2027	(1) Land	

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CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION

*documents can be accessed in multiple languages at h	Product specific Pre-installation Manual	Description
tps://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard	Refer to cover page	Document Number*

- 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.
- delivery to the site. Equipment will not be delivered if these requirements are not satisfied.

The items on the GE Healthcare Site Readiness Checklist DOC1809666 are REQUIRED to facilitate equipment

- Healthcare installation project manager prior to making changes. Any deviation from these drawings must be communicated in writing to and reviewed by your local GE
- deliver the equipment to the installation site. If desired, your local GE Healthcare installation project Make arrangements for any rigging, special handling, or facility modifications that must be made to manager can supply a reference list of rigging contractors
- New construction requires the following:
- Secure area for equipment,
- Power for drills and other test equipment
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- meet the GE vibration specification. Refer to the system Pre-installation manual for vibration responsibility to contract a vibration consultant/engineer to implement site design modifications to For CT systems it is required to minimize vibrations within the scan room. It is the customer's



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