




			<div>Typical</div> <div>----</div> <div>----</div>				
REV	DATE	MODIFICATIONS					
01 - C1 - Cover Sheet 02 - C2 - Disclaimer - Site Readiness 03 - A1 - General Notes 04 - A2 - Equipment Layout 05 - A3 - Equipment Details 06 - A4 - Storage & Delivery 07 - M1 - HVAC 08 - S1 - Structural Notes 09 - S2 - Structural Layout		10 - S3 - Structural Details 11 - E1 - Electrical Notes 12 - E2 - Electrical Layout 13 - E3 - Elevations-Details-Interconnects 14 - E4 - Power Requirements 15 - E5 - Power Requirements (2)		<div>GE Healthcare</div> <div>----</div> <div>----</div> <div>----</div>			
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: <a href="http://www.gehealthcare.com/siteplanning">www.gehealthcare.com/siteplanning</a>				SENOGRAPHE PRISTINA FINAL STUDY			
Drawn by		Verified by		Concession	S.O. (GON)	PIM Manual	Rev
PMM		MKL		-	-	5729303-1-8EN	9
Format	Scale	File Name				Date	Sheet
A3	1/4"=1'-0"	EN-MAM-TYP-SENO_PRISTINA-NF.DWG				06/Mar/2024	01/15

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.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical 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 layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- 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.
- 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 customer's responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- 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.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

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

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.

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

CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION	
Description	Document Number*
Product specific Pre-installation Manual	Refer to cover page
*documents can be accessed in multiple languages at <a href="https://www.gehealthcare.com/support/manuals">https://www.gehealthcare.com/support/manuals</a>	

- 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.
- The items on the GE HealthCare Site Readiness Checklists listed below are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.

REQUIRED SITE-READINESS CHECKLISTS FOR SYSTEM PRE-INSTALLATION	
Modality	Document Number*
Computerized Tomography	DOC2949059
Radiology, Radiology and Fluouroscopy, Mammography, Bone Mass Densitometry	DOC2949063
All modality Customer/Contractor Worksheet	DOC2949068
*documents can be accessed in multiple languages at <a href="https://www.gehealthcare.com/support/manuals">https://www.gehealthcare.com/support/manuals</a>	

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

ENVIRONMENTAL SPECIFICATIONS

MAGNETIC INTERFERENCE

In order to avoid interference on the Senographe system, static field limits from the surrounding environment are specified.

- Static field is specified as less than 1 Gauss in the Examination room (Gantry room), and the Control Area (for all Subsystems).

LIGHT REQUIREMENTS

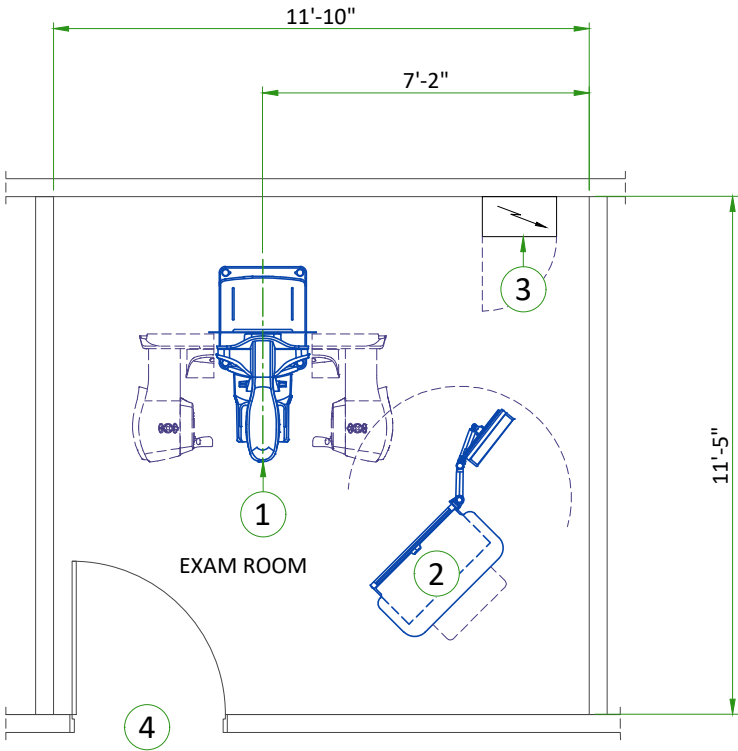
In order to obtain a room brightness value of 100 lux or less for correct viewing of monitor images, the room lights must be equipped with a dimmer switch. Shades and/or drapes must be fitted to windows.

SYSTEM NOISE LEVEL

- Gantry: 46 dBA at 1m (3.3 ft)
- Control station: 30.1 dBA at 1m (3.3 ft)

ALTITUDE

Operating altitude: from 0 m [0 ft] to 3000 m [9,843 ft].

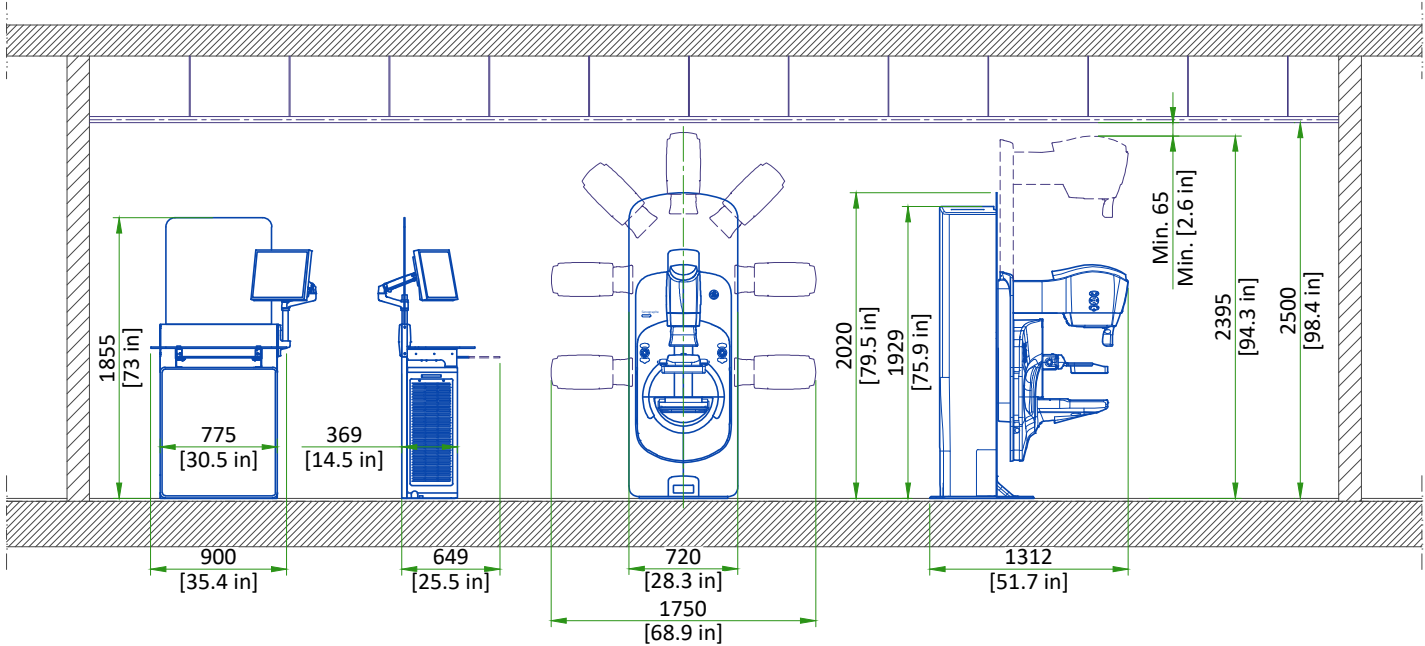


LEGEND						
A	GE Supplied			D	Available from GE	
B	GE Supplied/contractor installed			E	Equipment existing in room	
C	Customer/contractor supplied and installed			*	Item to be reinstalled from another site	
BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (BTU/h)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	GANTRY	2061	926	604	420
A	2	CONTROL STATION	717	353	210	160
D	3	POWER DISTRIBUTION BOX (PDB - NOT SUPPLIED BY GE)	-	-	-	-
C	4	MINIMUM OPENING FOR EQUIPMENT DELIVERY IS 700 mm x 1958 mm [27.6 in x 77.1 in], CONTINGENT ON A 2438 mm [96 in] CORRIDOR WIDTH				

EXAM ROOM HEIGHT	
FINISHED FLOOR TO SLAB HEIGHT	TBD
FALSE CEILING HEIGHT	rec. 8'-2.5"

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

ROOM HEIGHT REQUIREMENTS



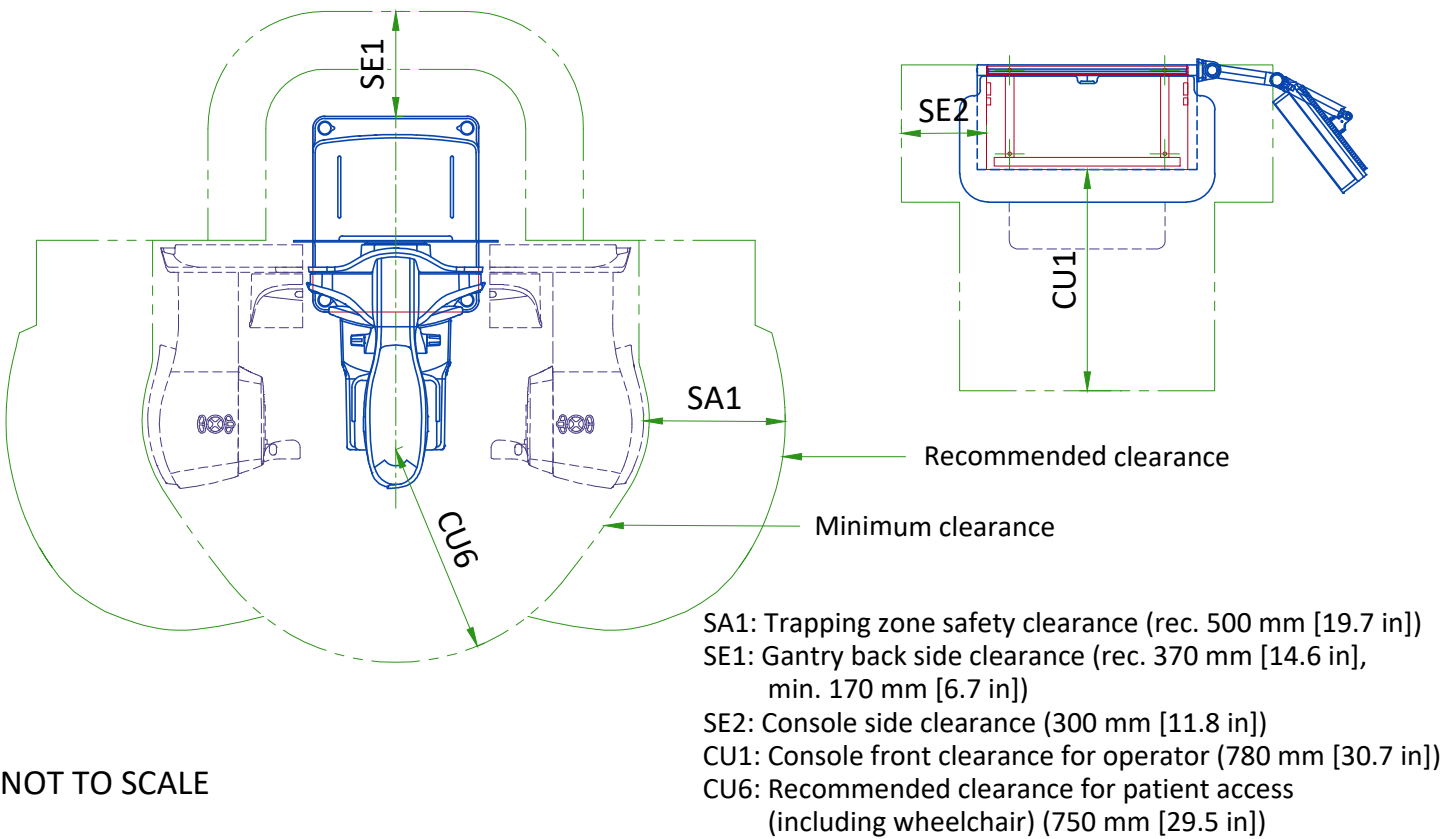
LIFT UPPER LIMIT BUMPER STOPPER POSITION	CORRESPONDING TUBE HEAD HEIGHT	MINIMUM CEILING HEIGHT	CORRESPONDING BUCKY PLANE MAXIMUM HEIGHT
Bottom	2235 mm [87.99 in]	2300 mm [90.55 in]	1340 mm [52.76 in]
Middle	2335 mm [91.93 in]	2400 mm [94.49 in]	1440 mm [56.69 in]
Top (default setting)	2395 mm [94.29 in]	2500 mm [98.43 in]	1500 mm [58.86 in]

NOT TO SCALE

CLEARANCE

GANTRY

CONTROL STATION



NOT TO SCALE

## DELIVERY

### THE CUSTOMER/CONTRACTOR MUST :

- Provide an area, adjacent to the GE 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 GE 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							
	CRATE 1	CRATE 2 (2x)	CRATE 3	CRATE 4	CRATE 5	CRATE 6	CRATE 7
DEPTH (mm [in])	1460 [57.5]	720 [28.3]	695 [27.4]	1010 [39.7]	1255 [49.4]	Vary	
WIDTH (mm [in])	800 [31.5]	580 [22.8]	1074 [42.3]	670 [26.4]	885 [34.8]	Vary	
HEIGHT (mm [in])	2337 [92.0]	640 [25.2]	1510 [59.4]	160 [6.3]	100 [3.9]	Vary	
WEIGHT (kg [lb])	486 [1071.5]	120 [264.6]	129.2 [284.8]	8 [17.6]	15 [33.0]	Vary	

#### NOTE

- The dimensions and mass of crates 6 and 7 can vary according to the options chosen by the customer

### DELIVERY WITH DOLLIES/TRANSPORTATION TOOL

Minimum dimensions for door :

Width 700 mm [27.6 in]

Height without gantry column front covers 1958 mm [77.1 in]

Height without gantry column rear covers 1908 mm [75.1 in]

## STORAGE REQUIREMENTS

Part of all installation:	
Name	Size
GANTRY TRANSPORTATION TOOL <sup>1</sup>	860x650x300 mm [33.9x25.6x11.8 in] (Depends on arrangement of parts)
Part of Mobile Pristina installation only:	
TUBE EXTENDER <sup>2</sup>	333x50x149 mm [13.1x2x5.9 in]
BASEPLATE KIT <sup>2</sup>	550x100x230 mm [21.7x3.9x9.1 in]
CONTROL STATION WORKTOP PROTECTION FOAM <sup>2</sup>	760x500x215 mm [29.9x19.7x8.5 in]

1. Gantry transportation tool is supplied with all installations and it is the customers responsibility to provide means to store it on site.
2. For Mobile Pristina a locking kit is also provided with the system to allow secure in-transit position for all components. It is the responsibility of the truck vendor to provide sufficient storage space to allow the storing of the locking kit and the gantry transportation tool in the truck.

TEMPERATURE AND HUMIDITY SPECIFICATIONS

FIELD CONDITIONS

Environmental conditions must ensure patient and operator comfort and must be maintained within the range below:

Conditions	Operating			Non-operating	
Temperature	Min	Recommended	Max	Min	Max
	15°C [59°F]	23°C ± 3°C [73°F ± 5°F]	30°C [86°F]	-5°C [23°F]	40°C [104°F]
Temperature gradient	≤ 15°C/hour [≤ 59°F/hour]				
Atmospheric pressure	700 hPa to 1060 hPa				
Relative humidity (non-condensing)	10% to 80%			10% to 95%	
System heat dissipation	Standby		Max	-	
	0.36 kW [1228 BTH/h]		0.814 kW [2777 BTH/h]		

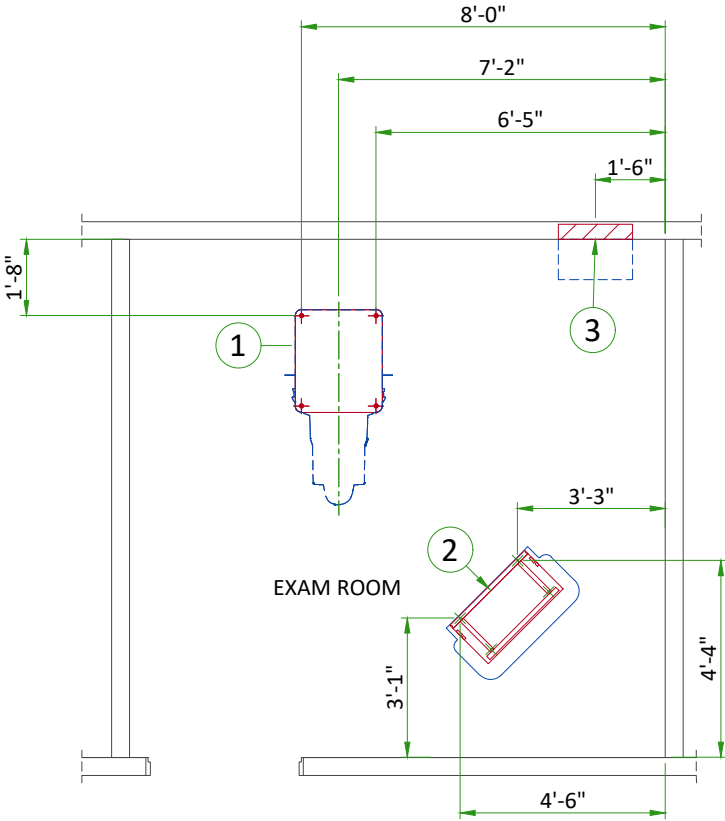
SHIPPING AND STORAGE CONDITIONS

Temperature	-40°C to +70°C [-40°F to 158°F]
Relative humidity(non-condensing)	10% to 95%
Atmospheric pressure	500 hPa to 1060 hPa

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.
- To prevent thermal shock to the detector, the ambient temperature must remain between -5 °C (23 °F) and 40 °C (104 °F), at a max rate of 15 °C (59 °F) per hour between a pressure range of 500-1060 hPa.

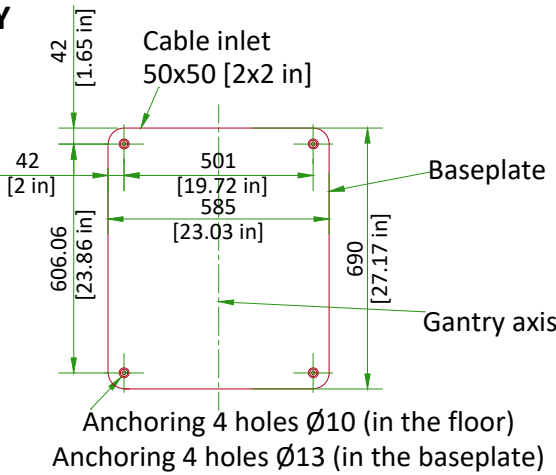
STRUCTURAL NOTES				
<ul style="list-style-type: none"><li>• Methods of support for the steelwork that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use concrete or masonry anchors in direct tension.</li><li>• All units that are wall mounted or wall supported are to be provided with supports where necessary. Wall supports are to be supplied and installed by the customer or his contractors. See plan and detail sheets for suggested locations and mounting hole locations.</li><li>• All ceiling mounted fixtures, air vents, sprinklers, etc. To be flush mounted, or shall not extend more than 6,35mm (1/4") below the finished ceiling.</li><li>• Floor slabs on which equipment is to be installed must be level to 3,17mm (1/8") in 3050mm (10'-0")</li><li>• Dimensions are to finished surfaces of room.</li><li>• Customers contractor must provide all penetrations in post tension floors.</li><li>• Customers contractor must provide and install any non-standard anchoring. Documents for standard anchoring methods are included with GE equipment drawings for geographic areas that require such documentation.</li><li>• Customers contractor must provide and install hardware for "through the floor" anchoring and/or any bracing under access floors. This contractor must also provide floor drilling that cannot be completed because of an obstruction encountered while drilling by the GE installer such as rebar etc.</li><li>• It is the customer's responsibility to perform any floor or wall penetrations that may be required. The customer is also responsible for ensuring that no subsurface utilities (e.g., electrical or any other form of wiring, conduits, piping, duct work or structural supports (i.e. post tension cables or rebar)) will interfere or come in contact with subsurface penetration operations (e.g. drilling and installation of anchors/screws) performed during the installation process. To ensure worker safety, GE installers will perform surface penetration operations only after the customer's validation and completion of the " GE surface penetration permit"</li></ul>				
Typical	SENOGRAPHE PRISTINA	EN-MAM-TYP-SENO PRISTINA-NF.DWG	Rev A Date 06/Mar/2024	S1 - Structural Notes   08/15



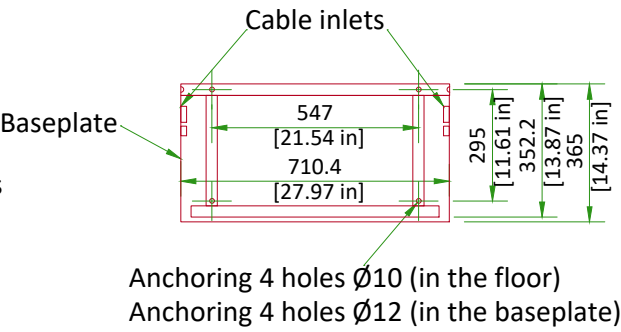
ITEM	DESCRIPTION
(GE SUPPLIED / CONTRACTOR INSTALLED)	
1	Area occupied by GE supplied Gantry baseplate
2	Area occupied by GE supplied Console baseplate
(CONTRACTOR SUPPLIED & INSTALLED)	
3	Support backing for Power Distribution Box

ANCHORING TO THE FLOOR

GANTRY



CONTROL STATION



- NOTE :
- Anchors supplied by GE in non-seismic areas.
  - Recommended tightening torque: 30Nm [22.13 ft-lbf]
  - Min floor thickness 120 mm [5 in]
  - Minimum concrete compression : 3000 psi
  - **The floor surface must remain horizontal and flat within ±2.5 mm [±0.1 in] per 1 meter [39 in] after installation of the Gantry and the Control Station.**
  - If customer floor is not concrete slab floor (e.g. raised technical flooring, timber etc.) or the floor thickness is less than 120 mm [5 in], each fastener must be able to withstand a minimum tensile force of 1000 N. A consultation is mandatory with a structural engineer, qualified and authorized in accordance with local building regulations.

NOT TO SCALE

CONNECTIVITY REQUIREMENTS

Broadband Connections are necessary during the installation process and going forward to ensure full support from the Engineering Teams for the customers system. Maximum performance and availability for the customers system is maintained and closely monitored during the lifetime of the system. Proactive and reactive maintenance is available utilising the wide range of digital tools using the connectivity solutions listed below:

- Site-to-Site VPN/GE Solution
- Site-to-Site VPN/Customer Solution
- Connection through Dedicated Service Network
- Internet Access - connectivity for InSite 2.0

The requirements for these connectivity solutions are explained in the broadband solutions catalogue (separate document).

The Senographe Pristina system must be connected to the hospital Ethernet network via the AXIS Computer within the Control Station in order to exchange data with other medical equipment (network hosts) on the hospital network. Typical medical equipment (network hosts) usually connected to the Senographe Pristina system include the following:

- Worklist providers (HIS or RIS)
- Mass archiver (Storage or PACS)
- Review stations (i.e. GE Senolris)
- CAD (Computer Aided Detection)
- Network transfer systems (i.e. DICOM Shuttle)
- Printers

Before installation, the following information must be obtained for each network host so that it can be declared in the AXIS Computer:

- IP address for the network host
- Host name
- Port Number
- Application Entity Title (AET)
- Subnet mask

The hospital network administrator usually supplies this information.

The customer must provide an RJ-45 Ethernet cable (CAT 6 or higher) of a sufficient length so that it can be easily run from the AXIS Computer within the Control Station to the Ethernet wall outlet connected to the hospital network.

Before installation, so that the AXIS Computer within the Control Station can communicate with the hospital network, the following information must be obtained:

- An IP address assigned to the AXIS Computer
- IP address of the hospital Gateway
- Subnet mask
- If additional routers and/or static routes are used by the hospital, those must also be provided

The hospital network administrator usually supplies this information.

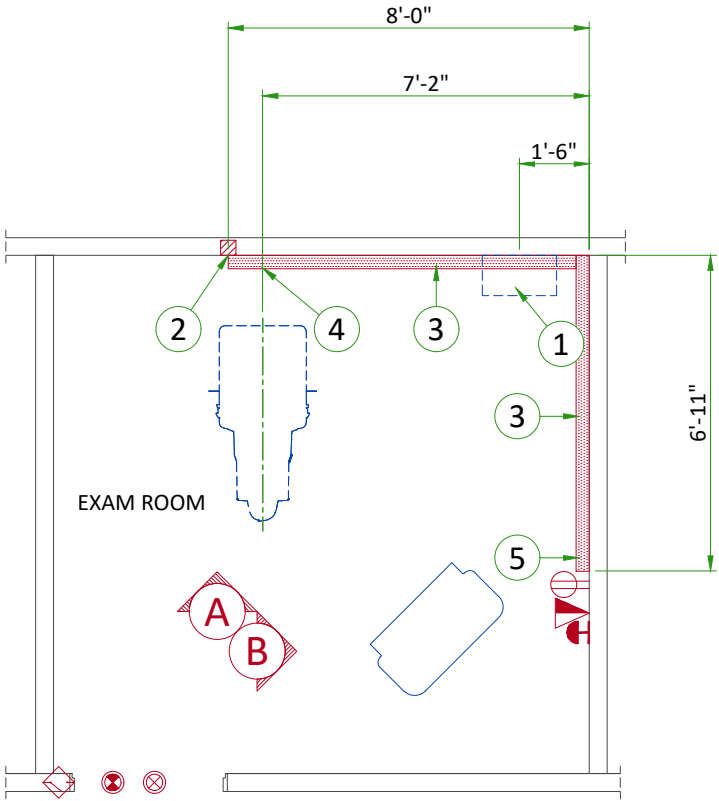
NOTE

Connection of Senographe Pristina to the hospital network that includes other equipment could result in previously unidentified risks to patients, operators or third parties.

ELECTRICAL NOTES

1. All wires specified shall be copper stranded, flexible, thermo-plastic, color coded, cut 10 foot long at outlet boxes, duct termination points or stubbed conduit ends. All conductors, power, signal and ground, must be run in a conduit or duct system. Electrical contractor shall ring out and tag all wires at both ends. Wire runs must be continuous copper stranded and free from splices.
  - 1.1. Aluminum or solid wires are not allowed.
2. Wire sizes given are for use of equipment. Larger sizes may be required by local codes.
3. It is recommended that all wires be color coded, as required in accordance with national and local electrical codes.
4. Conduit sizes shall be verified by the architect, electrical engineer or contractor, in accordance with local or national codes.
5. Convenience outlets are not illustrated. Their number and location are to be specified by others. Locate at least one convenience outlet close to the system control, the power distribution unit and one on each wall of the procedure room. Use hospital approved outlet or equivalent.
6. General room illumination is not illustrated. Caution should be taken to avoid excessive heat from overhead spotlights. Damage can occur to ceiling mounting components and wiring if high wattage bulbs are used. Recommend low wattage bulbs no higher than 75 watts and use dimmer controls (except MR). Do not mount lights directly above areas where ceiling mounted accessories will be parked.
7. Routing of cable ductwork, conduits, etc., must run direct as possible otherwise may result in the need for greater than standard cable lengths (refer to the interconnection diagram for maximum usable lengths point to point).
8. Conduit turns to have large, sweeping bends with minimum radius in accordance with national and local electrical codes.
9. A special grounding system is required in all procedure rooms by some national and local codes. It is recommended in areas where patients might be examined or treated under present, future, or emergency conditions. Consult the governing electrical code and confer with appropriate customer administrative personnel to determine the areas requiring this type of grounding system.
10. The maximum point to point distances illustrated on this drawing must not be exceeded.
11. Physical connection of primary power to GE equipment is to be made by customers electrical contractor with the supervision of a GE representative. The GE representative would be required to identify the physical connection location, and insure proper handling of GE equipment.
12. GEHC conducts power audits to verify quality of power being delivered to the system. The customer's electrical contractor is required to be available to support this activity.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor.
- Conduit and duct runs shall have sweep radius bends
- Conduits and duct above ceiling or below finished floor must be installed as near to ceiling or floor as possible to reduce run length.
- Ceiling mounted junction boxes illustrated on this plan must be installed flush with finished ceiling.
- All ductwork must meet the following requirements:
  - 1.Ductwork shall be metal with dividers and have removable, accessible covers.
  - 2.Ductwork shall be certified/rated for electrical power purposes.
  - 3.Ductwork shall be electrically and mechanically bonded together in an approved manner.
  - 4.PVC as a substitute must be used in accordance with all local and national codes.
- All openings in raceway and access flooring are to be cut out and finished off with grommet material by the customers contractor.
- General contractor to insert pull cords for all cable run conduits between the equipment room and the operators control room.
- 10 foot pigtails at all junction points.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

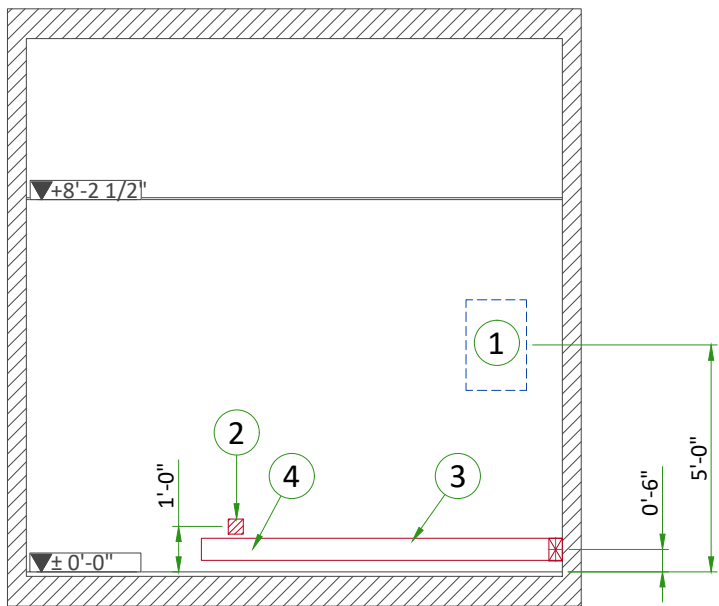


Item	Electrical Layout Item List
1	Power Distribution Box (PDB)
2	4" x 4" x 4" [100x100x100mm] flush junction box (Gantry) NOTE: Gantry is hardwired to PDB
3	6" x 3 1/2" [150x100mm] surface wall duct with minimum 1 divider
4	Grommets opening (Gantry)
5	Grommets opening (Control Console)

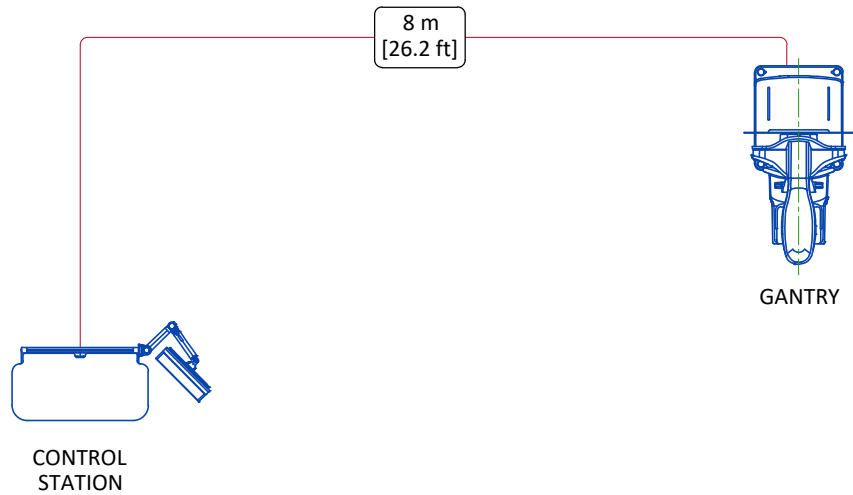
ITEM	QTY	Electrical Outlet Legend
Customer/contractor supplied and installed items unless otherwise specified. Height above floor determined by local codes unless otherwise specified.		
		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
		System on light (L) - 24V
		X-ray on light (L1) - 24V (needed only if required by state/local codes)
		Room door switch (needed only if required by state/local codes)
		Network outlet
		Hospital grade, dedicated wall outlet 120-v, single phase power

Additional Conduit Runs (Contractor Supplied and Installed)					
From (Bubble # / Item)	To (Bubble # / Item)	Qty	Size		
			In.	mm	
1 Phase Power	1 Power Distribution Box	1	As Req'd	As Req'd	
System Emergency Off	1 Power Distribution Box	1	1/2	16	
Room Door Switch	1 Power Distribution Box	1	1/2	16	
X-ray on light	1 Power Distribution Box	1	As Req'd	As Req'd	
System on light	1 Power Distribution Box	1	1/2	16	
2 Gantry	1 Power Distribution Box	1	1	25	

INTERCONNECTIONS

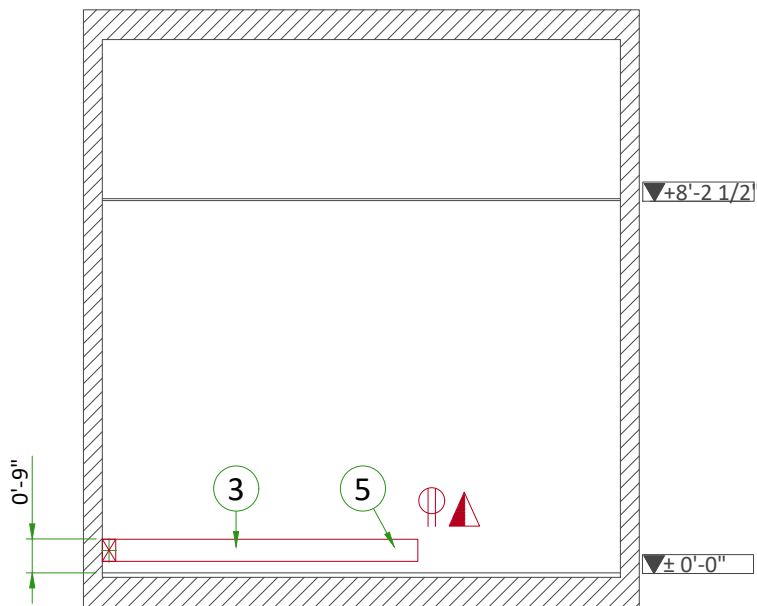


A

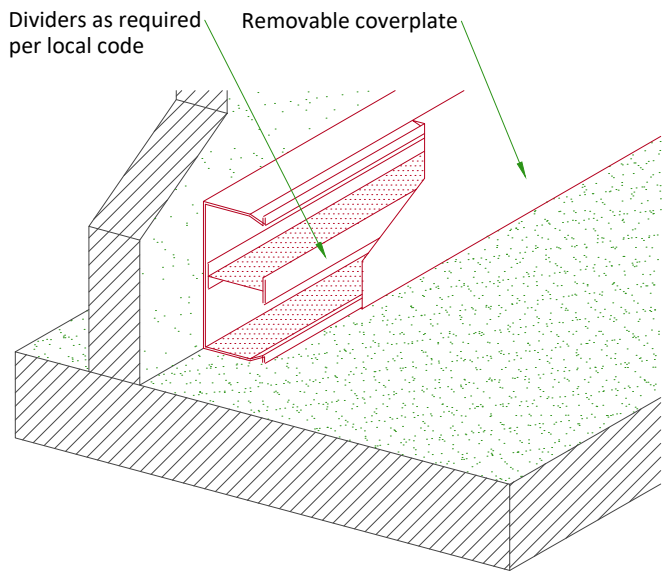


TYPICAL CABLE MANAGEMENT

DUCT ON THE WALL



B



NOT TO SCALE

POWER REQUIREMENTS

POWER SUPPLY	SINGLE PHASE + N + G or 2 PHASES + G
VOLTAGES	200V 208V 220V 230V 240V ± 10%
MAXIMUM INSTANTANEOUS POWER (DURING EXPOSURE)	4.6 kVA
MAXIMUM POWER IN STAND BY	1.2 kVA
FREQUENCIES	50/60Hz ± 3Hz
LINE IMPEDANCE PER WIRE (6% DROP FOR 4.6 kVA)	0.4 Ohm/200V 0.43 Ohm/208V 0.48 Ohm/220V 0.53 Ohm/230V 0.57 Ohm/240V

- 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 line resistance phase.

SUPPLY CHARACTERISTICS

- Power input must be separated 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.

GROUND SYSTEM

- 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 equipotential connections linking up all the conducting units in the rooms where GE units are located.

CABLES

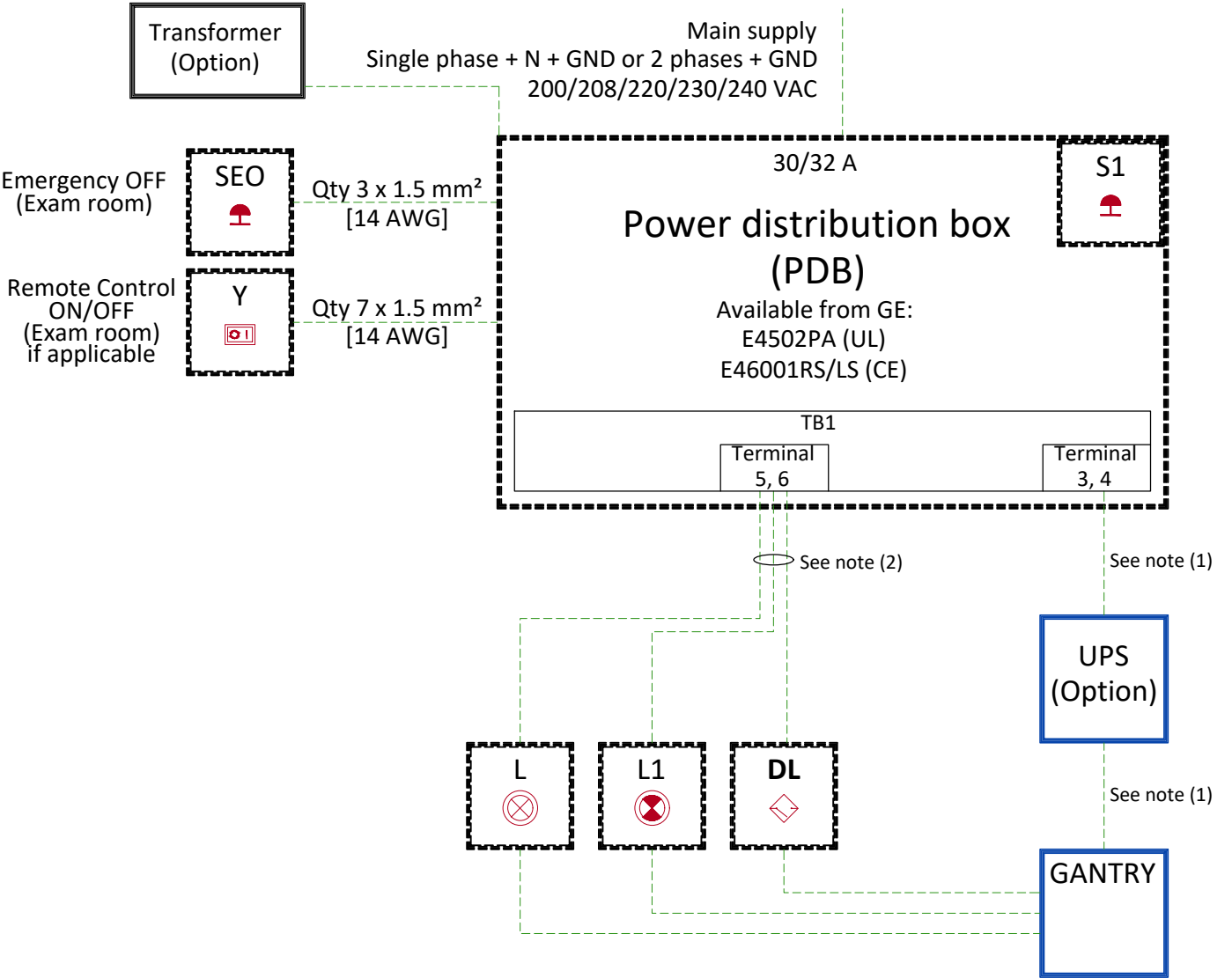
- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signalling and remote control (Y, SEO, L...) will go to MDP with a pigtail lenght of 1.5 m,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

CABLEWAYS

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

- 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) ,
- Only GE cables are running inside cableways.
- Metal cableways should be grounded.

POWER DISTRIBUTION



- DL Room door switch (only if needed per local requirments)
- L System ON light
- L1 X-Ray ON light
- S1 Control switch to operate circuit isolator with lockout/tagout capability (located on PDB door)
- SEO Emergency OFF button, located 1.50m [4.9 ft] above floor
- UPS Uninterruptible Power Supply
- Y Optional system remote control. "ON" and "OFF" impulse buttons with indicator lamps (OFF = red, ON = green), placed 1.50m [4.9 ft] above floor.

- Notes :**
- (1) The electrical cables going from the power distribution box to the system (phase, neutral and protective earth) must have a cross-sectional area **between 4 mm² [AWG10] and 16 mm² [AWG6]**, and comply with local regulations.
- (2) Power supply shall be 24 VAC if a door switch is used, 30 VAC if only room lamps are used.

---	Cable SUPPLIED BY CUSTOMER
----	Equipment SUPPLIED BY CUSTOMER
—	Equipment SUPPLIED BY GE

The diagram illustrates the internal wiring of the PDU control board. On the left, the **CONTROL BOARD** contains three relays labeled **KD6**, **KD5**, and **KD7**. It also features a **PGND** terminal and an **EXP\_INTLK** input. The board is connected to two external connectors: **Connector J17** (pins 1-4) and **Connector J21** (pins 1-2). The wiring is color-coded: blue lines represent cables supplied by GE, while green dashed lines represent cables supplied by the customer. The equipment is also color-coded: a solid blue outline represents equipment supplied by GE, and a dashed black outline represents equipment supplied by the customer. The equipment supplied by the customer includes two relays (**R1** and **R2**), two indicator lights (**X-RAY LIGHT (4)** and **SYS-ON LIGHT(4)**), and a **DOOR SWITCH (3,4)**. The legend specifies that a circle with a vertical line represents a relay coil and contact in a normally open (de-energized) state. The **PDU** is identified as the **Power Distribution Unit**.

- (1) Wire size: 2mm<sup>2</sup> [14 AWG] at 30V AC or DC
- (2) Wire size: 2mm<sup>2</sup> [14 AWG] at 24V AC
- (3) Door Interlock circuit is jumpered out if a door switch is not provided.
- (4) Needs an external power supply.