

The logo consists of the word "TANIT" in a bold, red, sans-serif font. To the right of "TANIT" is a stylized circular emblem containing a smaller circle and some internal markings.

- 01 - Cover Sheet
- 02 - Equipment Layout
- 03 - Floor - Electrical Layout
- 04 - Floor Structural Details
- 05 - Power Requirements - Power Distribution
- 06 - HVAC - Environment - Connectivity
- 07 - Equipment Dimensions
- 08 - Interconnections - Delivery
- 09 - Disclaimer - Site Readiness

SUBABEL MEDICAL CO LTD

NIGERIA

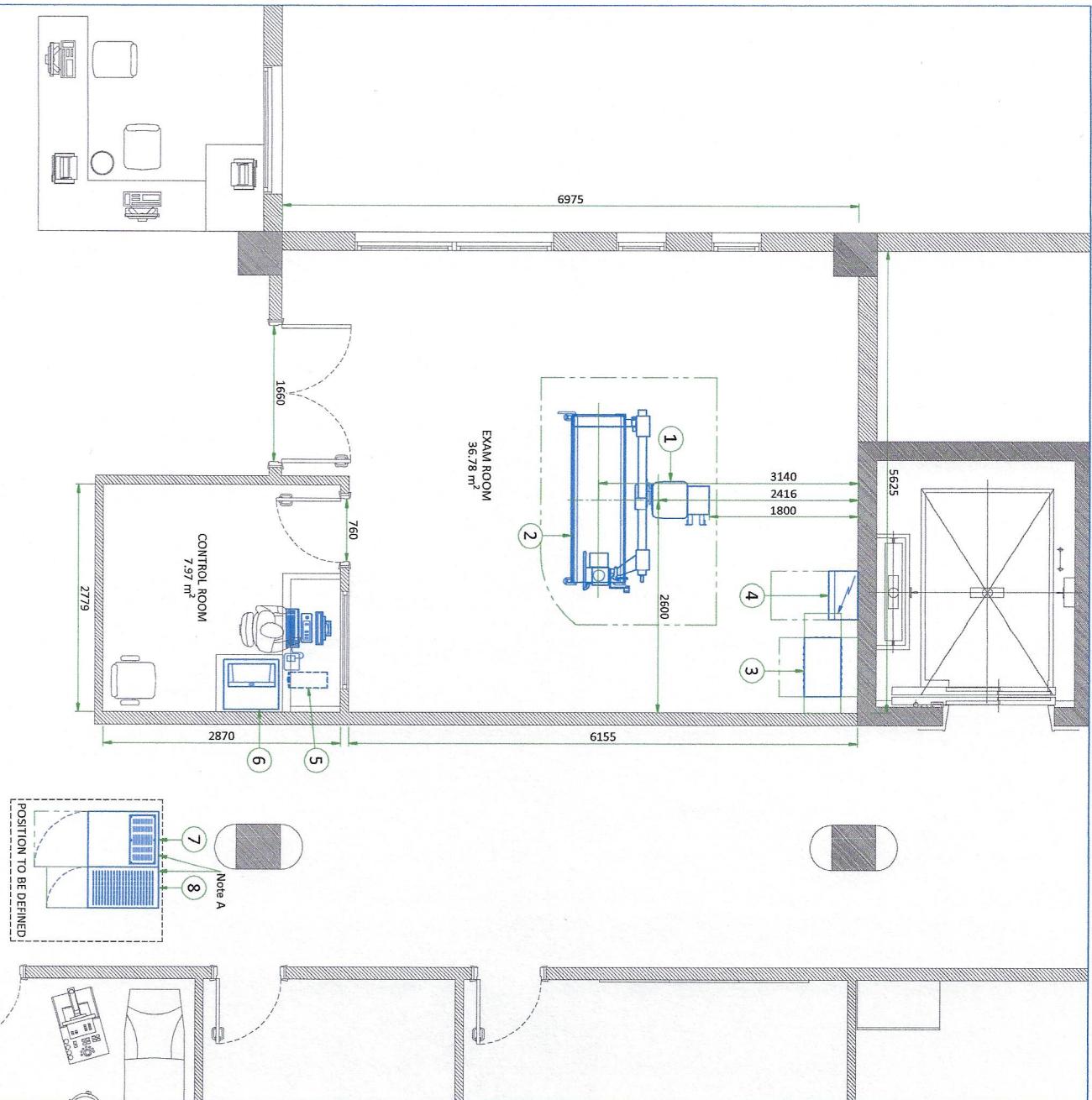
Eduardo Alarcón

**BRIVO XR575
FINAL STUDY**

BRIVO XR575 FINAL STUDY					
Drawn by	Verified by	Concession	S.O. (GON)	PIM Manual	Rev
V. Schäffer	D. Köller	-	5298213	5429555-PI-1EN	6
Format	Scale	File Name	Date	Sheet	
A3	1:50	RAD-B329201-FIN-01-B.DWG	27/NOV/2023	01/09	

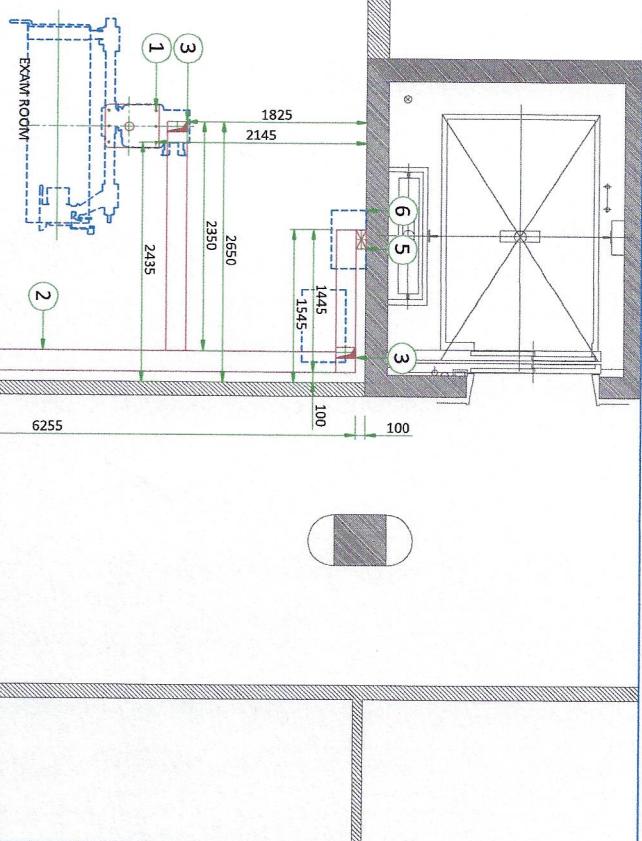
Efosa.amayo@ge.com

EQUIPMENT LAYOUT



TAN
Medical Engineering Ltd.

FLOOR - ELECTRICAL LAYOUT



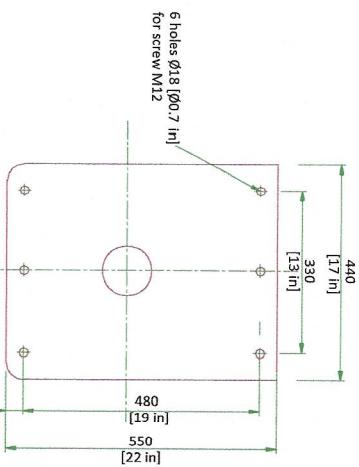
ITEM	QTY	DESCRIPTION
1		Electrical outlet 10/16A 230V + G
2		RJ 45 network socket
3		System emergency off (SEO), (recommended height 1.50m-1.85m above floor)
4		X-Ray ON lamp (L1) - 24V
5		System ON light (L) - 24V
6		System remote control (Y), locked when power OFF "ON" and "OFF" impulse buttons with indicator lamps red=ON / green=OFF located at 1.50m above floor
7		Flush floor duct
8		Surface duct

TANIT
Medical Engineering Ltd.

POSITION TO BE DEFINED

FLOOR MOUNTING

U-ARM



- The supplied anchors require a minimum embedment of 65 mm [2.6 in] into the concrete. If the floor thickness is less than 110 mm [4.3 in], it is recommended to install a steel board under the column to strengthen the firm with the floor. The ground surface must be flat and leveled.

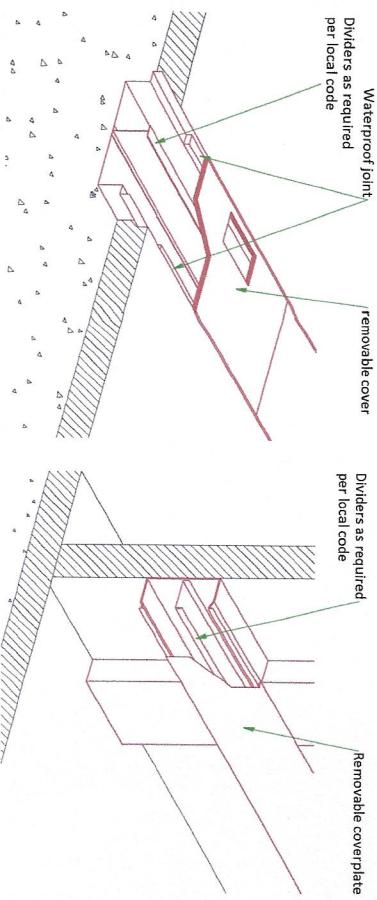
- U-Arm weight: 583 kg [1285 lb]

Anchors supplied by GE.

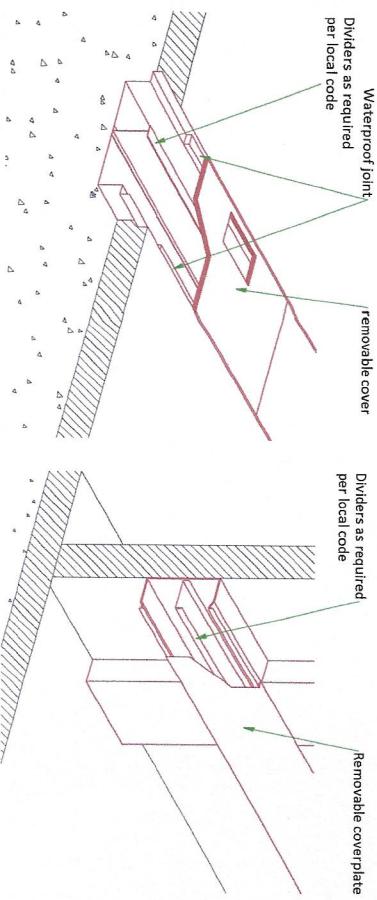
SCALE 1:10

CABLE MANAGEMENT

FLUSH FLOOR DUCT



WALL DUCT



NOT TO SCALE

POWER REQUIREMENTS

POWER SUPPLY	380/400/440/480 VAC Wye 3 PHASES+G ±10%
FREQUENCIES	50/60Hz ±3Hz
MAXIMUM INPUT POWER (0.1 sec max)	70 kVA
MAXIMUM LINE RESISTANCE PER 2 PHASES WIRES (Ohm)	380V : 0.15 Ohm

- TNC neutral point connection must not be used.
- Line supply should come into a Main Disconnect Panel (MDP/PDB) 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.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP/PDB.

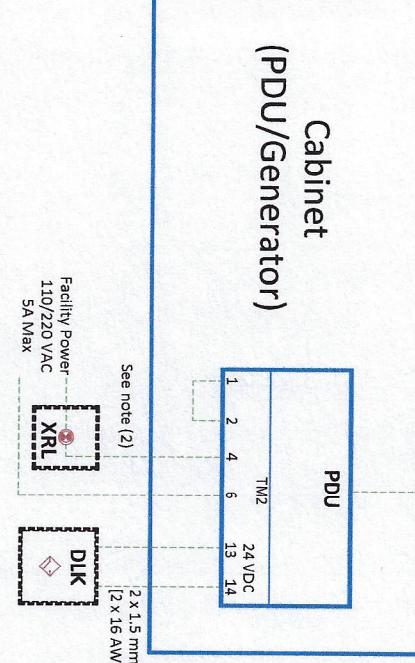
SUPPLY CHARACTERISTICS

- 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.
- 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 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 below.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- Case PDB furnished by GE: The cables for signals and remote control (Y, SEO, L...) will go to MDP/PDB with a pigtail length of 1.5 m [4.9 ft], and will be connected during installation. Each conductor will be identified and isolated (screw connector).

DIK
Door interlock switch (only if needed per local codes)
PDB
Power Distribution Box
PDU
Power Distribution Unit
SEO
Emergency OFF, near access doors
XRL
System ON light - 24V - Located near access doors



Main supply
380-480V 3phases
Ground min 10mm² [8 AWG]



RECOMMENDED CIRCUIT BREAKER RATINGS	
Voltage	50 kW
380 VAC	>55 A
400 VAC	>52 A
440 VAC	>47 A
480 VAC	>43 A

See note (1)

See note (2)

POWER DISTRIBUTION



- (2) Warning light grounding not shown, must comply with local codes.

INCOMING FACILITY POWER FEEDER TABLE

MIN. FEEDER WIRE SIZE, AWG OR MCM (sq. mm)/VAC	MINIMUM FEEDER WIRE LENGTH - ft (m)					
	50 (15)	100 (30)	150 (46)	200 (60)	250 (76)	300 (91)
380-480 VAC	8 (10)	6 (16)	4 (22)	3 (30)		

NOTES

- (1) Use only a multi conductor, shielded, PVC/PVC, UL TYPE CM cable. Alpha Wire, CQA10210637. This wire is found in GE Catalog Item A80911H as a "bulk" roll of wire (60 Meters). Material consists of two AWG 19 (0.0117 strand) conductors. Shields must be grounded at both ends. CHINA ONLY: available from GE via part number S39222KR.

- (2) Warning light grounding not shown, must comply with local codes.
- GENERAL NOTES**
- In all cases qualified personnel must verify that the feeder (at the point of take-off and the run to the GE system) meet all the requirements stated in the PIM. If the wire size does not match the above lists, please select the nearest wire size as per to local standards. Grounding conductor will be of the same size as the feeder. This ground will run from the equipment back to the power source/main grounding point and always travel in the same conduit with the feeders.

TEMPERATURE AND HUMIDITY SPECIFICATIONS

CONNECTIVITY REQUIREMENTS

IN-USE CONDITIONS

	EXAM ROOM		CONTROL ROOM	
	Min	Max	Min	Max
Temperature	10 °C [50 °F]	35 °C [95 °F]	10 °C [50 °F]	35 °C [95 °F]
Temperature gradient	< 10 °C/h [$< 50^{\circ}\text{F}/\text{h}$]		< 10 °C/h [$< 50^{\circ}\text{F}/\text{h}$]	
Relative humidity (1)	30% to 80%		30% to 80%	
Humidity gradient	< 30%/h		< 30%/h	
System heat dissipation	Idle 1.65 kW	Max 3.5 kW	Idle 0.125 kW	Max 0.275 kW
	5630 BTU/hr	11942 BTU/hr	4227 BTU/hr	938 BTU/hr

STORAGE CONDITIONS

Temperature	0 °C [32 °F] to 50 °C [122 °F]
Temperature gradient	< 20 °C/h [$< 68^{\circ}\text{F}/\text{h}$]
Relative humidity (1)	10% to 90%
Humidity gradient	< 30%/h

Material should not be stored for more than 90 days.

AIR RENEWAL

According to local standards.

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.

ENVIRONMENTAL SPECIFICATIONS

MAGNETIC INTERFERENCE

To guarantee specified imaging performance:

X-ray tubes and control console equipment must be located in ambient static field of less than 10 Gauss.

ACOUSTIC OUTPUT

Measured 1 m [3.3 ft] from any point in system.

In-use: less than 60 dBA
Stand-by: less than 55 dBA

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

- Local connectivity - This allows your system to connect to local devices such as PACS and modality worklist.
- We will require network information to configure the system(s), and a live ethernet port(s) prior to the delivery of the system(s).
- 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 expert.

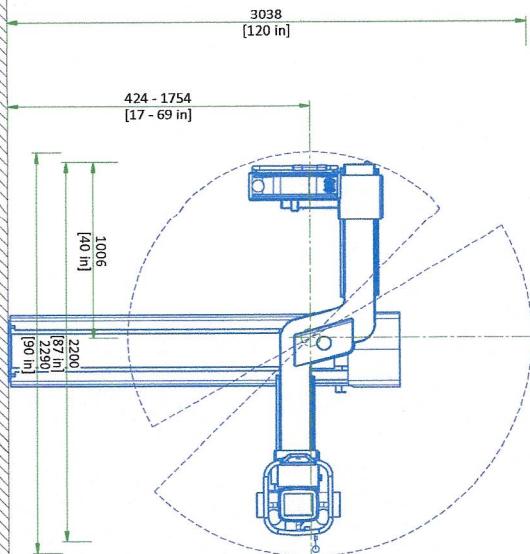
Depending on product family and software version, imaging systems can be connected in one of the following methods:

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)
2. Site-to-Site IPsec VPN tunnel

Please provide the GE project manager with the contact information for the resource that can provide information 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 GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the completion of the installation.

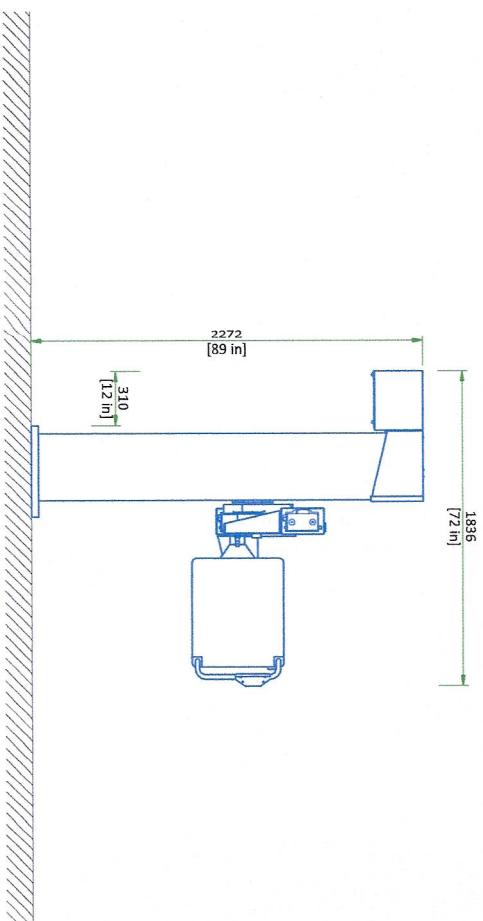


SYSTEM FRONT VIEW



NOT TO SCALE

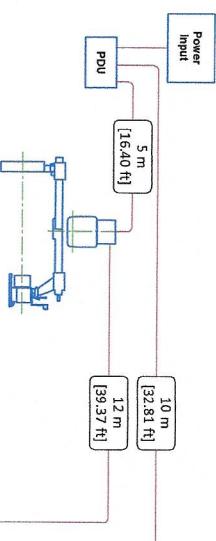
SYSTEM SIDE VIEW



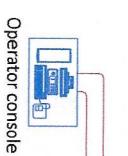
NOT TO SCALE

INTERCONNECTIONS

EXAM ROOM



CONTROL ROOM



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

	U-ARM	ACCESSORY	STRETCHER TABLE
LENGTH (mm)	2440	1720	2120
WIDTH (mm)	990	1350	781
HEIGHT (mm)	1210	1160	456
WEIGHT (kg)	738	482	130
LENGTH (in)	96.1	67.7	83.5
WIDTH (in)	39	53.1	30.7
HEIGHT (in)	47.6	45.7	18
WEIGHT (lb)	1627	1063	287

Shipping boxes are included.

DISCLAIMER

CUSTOMER SITE READINESS REQUIREMENTS

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.

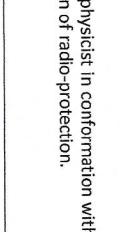
CUSTOMER RESPONSIBILITIES

- 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 lead 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
14 - Dec. - 2023	Kayode Oje	

SUDABELT MEDICAL CO LTD

BRIVO XR575

RAD-B329201-FIN-01-B.DWG

| Rev B | Date 27/NOV/2023 |

Disclaimer - Site Readiness

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REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION

Description	Document Number*	Ref to cover page
Product specific Pre-installation Manual		* documents can be accessed in multiple languages at https://customer-doc.cloud.ge/healthcare.com/#/copy/dashboard