REV	DATE	MODIFICATIONS
A	10/Jul/2018	First issue drawing / Final study based on RAD-

Typical

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01 - C1 - Cover Sheet
02 - C2 - Disclaimer - Site Readiness
03 - A1 - General Notes
04 - A2 - Equipment Layout
05 - A3 - Equipment Details (1)
06 - A4 - Delivery
07 - S1 - Structural Notes
08 - S2 - Structural Layout
09 - S3 - Structural Details
10 - M1 - HVAC - Environment
11 - E1 - Electrical Notes
12 - E2 - Electrical Layout
13 - E3 - Electrical Elevations
14 - E4 - Power Requirements
15 - E5 - Interconnections

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. All dimensions are in millimeters unless otherwise specified. Do not scale from printed pdf files. GE accepts no responsibility or liability for defective work due to scaling from these drawings.

GE Healthcare

PROTEUS XR/F ET
FINAL STUDY

Drawn by	Verified by	Concession	S.O. (GON)	PIM Manual	Rev
BAP	PMM	-	----	1913363	11

Format	Scale	File Name	Date	Sheet
A3	1/4"=1'-0"	EN-RAD-TYP-PROTEUS XRF-WEB.DWG	04/Jun/2021	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 structrual 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

GLOBAL SITE READINESS CHECKLIST (DI)

DOC1809666 Rev. 7

Site Ready Checks at Installation
EHS Site Requirements
Overall access route to the scan room free from obstruction / high hazards.
Enough space to store tools, equipment, parts, install waste and the general area free from obstruction and trip hazards.
Enough necessary facilities for the GE employees available.
No 3rd parties working in the area that may affect the safety of the installation activity.
Area free from any chemical, gas, dust, welding fume exposure and has painting been completed and dry.
All emergency routes identified, signed and clear from obstruction.
Accessible single source lockable panel that LOTO can be applied to for GE equipment installation (MDP and/or PDU).
There are no other conditions or hazards that you have observed or have been made aware of by the customer or contractors on site.
Required for Mechanical Install start
Room dimensions, including ceiling height, for all Exam, Equipment/Technical & Control rooms meets GE specifications.
Ceiling support structure, if indicated on the GE drawing, is in the correct location and at the correct height according to the Original Equipment Manufacturer specifications.
Levelness and spacing has been measured, and is ready for the installation of any GE supplied components.
Overhead support Structure (unistrut) has been confirmed with customer/contractor to meet required GE provided criteria.
Finished ceiling is installed. If applicable ceiling tiles installed per PMI discretion.
Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications.
Entry door threshold meets PIM requirement.
Rooms that will contain equipment, including staging areas if applicable, are construction debris free. Precautions must be taken to prevent debris from entering rooms containing equipment.
Cable ways (floor/wall/ceiling/Access Flooring) are available for installation of GE cables are of correct length and diameter.
Cable ways routes per GE Final drawings and cable access openings areas installed at a time determined by GEHC PM. Surface floor duct can be installed at time of system installation.
Adequate room illumination installed and working.
Customer supplied countertops where GE equipment will be installed are in place.
Required for Calibration Start
HVAC systems Installed, and the site meets minimum environmental operational system requirements.
System power & grounding (PDB/MDP) is available as per GE specifications.
System power & grounding (PDB/MDP) is installed at point of final connection and ready to use. Lock Out Tag Out is available.
PMI to confirm all feeder wires and breaker are size appropriately. EPO installed if needed.
PMI to confirm with electrician all power and signal cables are well terminated ensuring there are no loose connections.
Network outlets installed.
Computer network available and working.
Lead doors and windows complete or scheduled to be installed. If applicable, radiation protection (shielding) finished & radioprotection regulatory approval for installation obtained.

Note: The details shown here are only an extract from DOC1809666. For the complete document please contact your PMI.

CUSTOMER SITE READINESS REQUIREMENTS

- 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. Capability for image analysis,
  4. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- For CT, MR, PET/CT, and SPECT 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 preinstallation manual for vibration specifications.

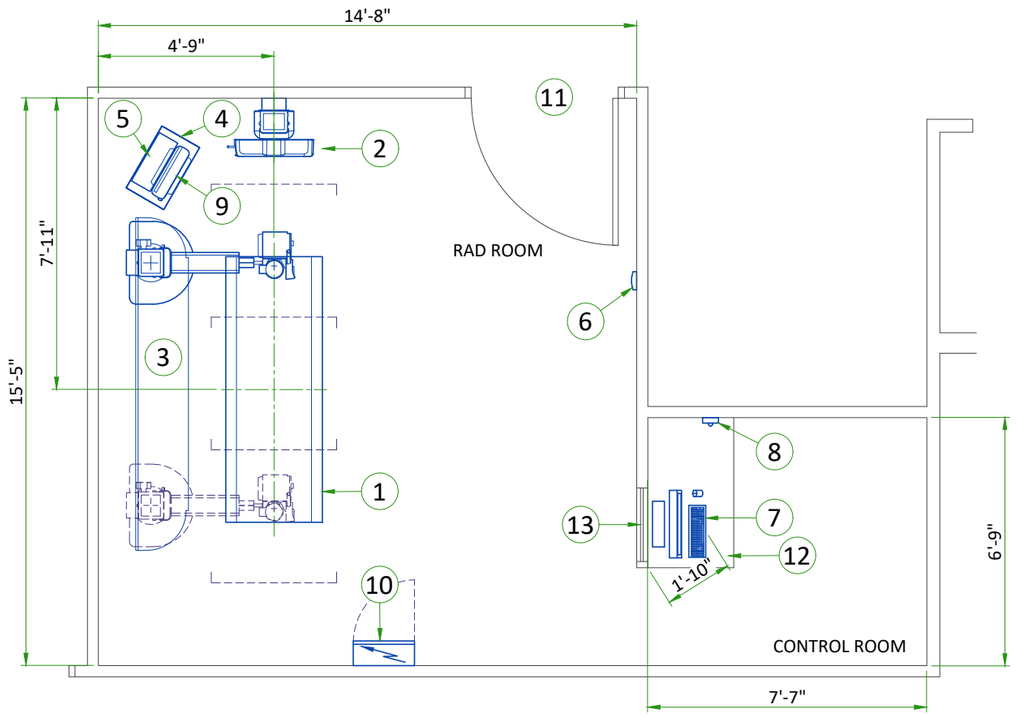
ENVIRONMENTAL SPECIFICATIONS

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.
Digital flat panel must be located in ambient static magnetic fields of less than 1 gauss.

To guarantee data integrity:
System electronics must be located in ambient static magnetic fields of less than 10 gauss.

To obtain specified geometric linearity:
Operators console equipment must be located in ambient static magnetic fields of less than 10 gauss.



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

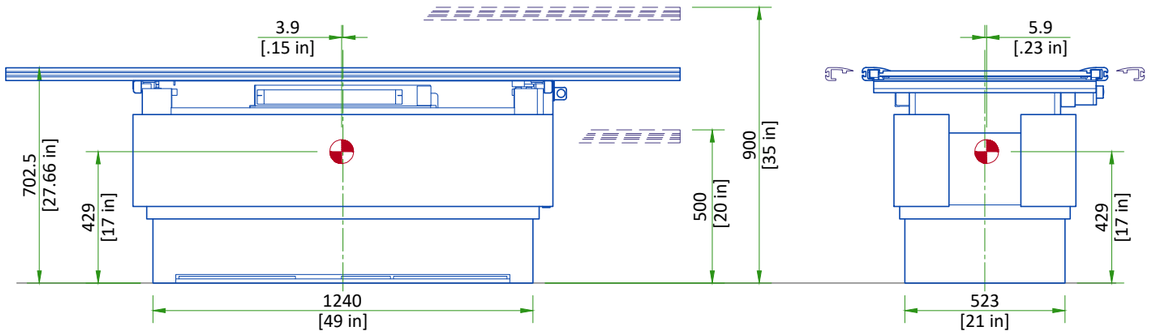
BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (btu)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	Elevating Table	423	617	123	279
A	2	Wall Stand	-	320	-	145
A	3	Tube Stand	450	760	132	344
A	4	Generator	542	209	160	94
A	5	Aero DR Interface Unit	112	25	33	11
A	6	Access Point	112	2.2	33	0.9
A	7	CS7 Control Console	1774	37	520	16
A	8	PC Interface Box (mount above counter top)	-	1	-	0.45
A/D	9	Battery Charger/Docking Station	98	13	29	5
B/D	10	Main Disconnect Panel (MDP)	-	150	-	68
C	11	Minimum opening for equipment delivery is 35.4 in. w x 80 in. h, contingent on a 96 in. corridor width				
C	12	Counter top for equipment- provide grommeted openings as required to route cables				
C	13	Control wall to ceiling with lead glass viewing window				

Exam room height	
Finished floor to slab height	TBD
Finished ceiling height	min. 8'-6"

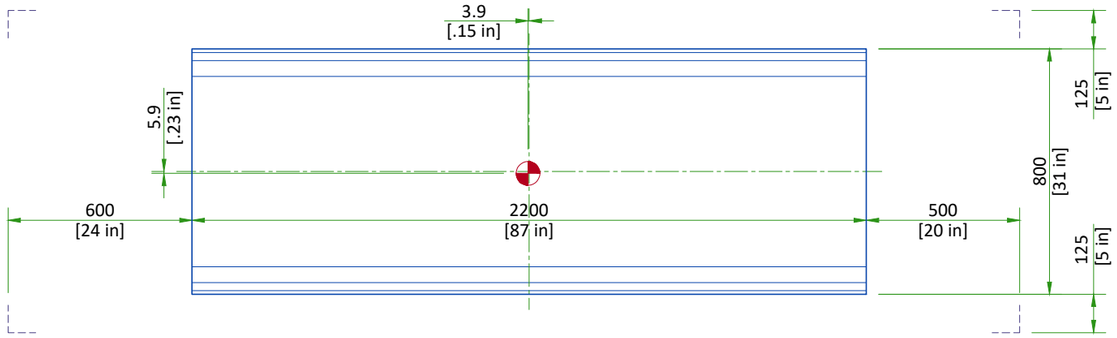
The following shots are NOT available in this layout
180° Off-table imaging
1.8M [72"] SID Below table top to wall bucky

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

ELEVATING TABLE

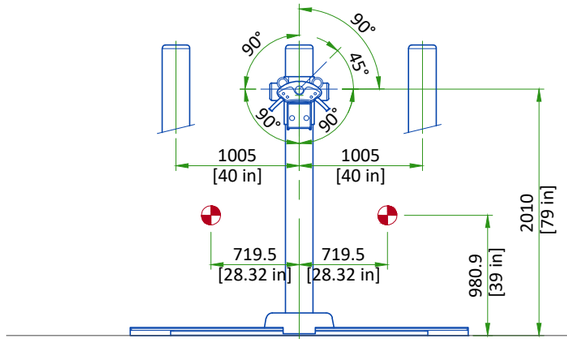


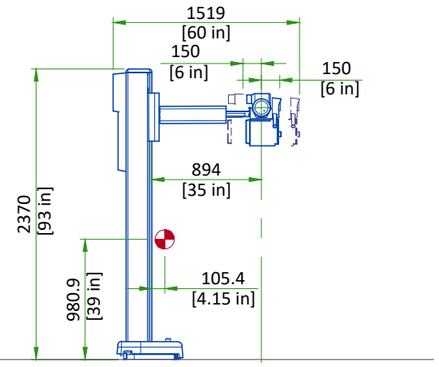
FRONT **SIDE**



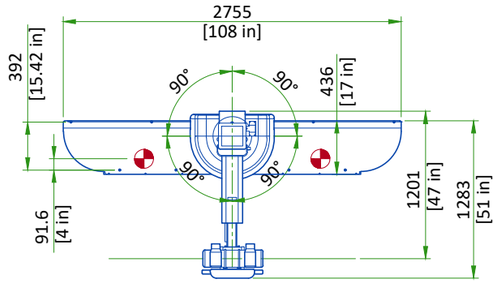
SCALE 1:20 **PLAN** CG weight 280 kg (617 lb) Center of gravity

AT/ET TUBE STAND





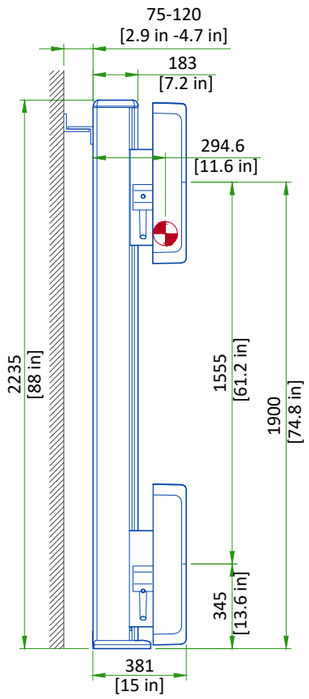
FRONT **SIDE**



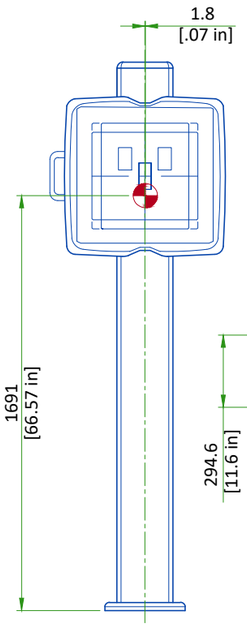
PLAN

SCALE 1:50 CG - weight 345 kg (760 lb) Center of gravity

WALL STAND

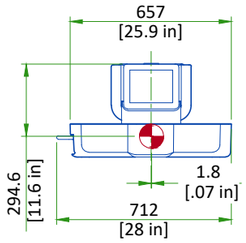


SIDE Center of gravity

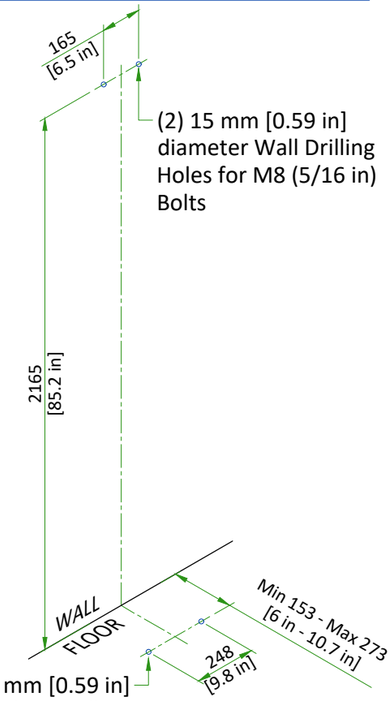


FRONT

CG
weight
144.16 kg
(318 lb)



PLAN

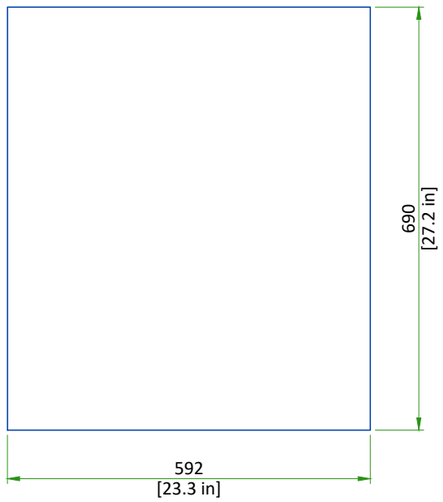


(2) 15 mm [0.59 in] diameter Wall Drilling Holes for M8 (5/16 in) Bolts

(2) 15 mm [0.59 in] diameter Floor Drilling Holes for M8 (5/16 in) Bolts

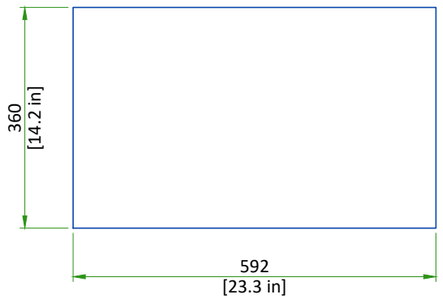
SCALE 1:25

GENERATOR



FRONT

CG - TO BE DETERMINED
weight 94.8 kg (209 lb)



PLAN

Center of gravity **SCALE 1:10**

DELIVERY

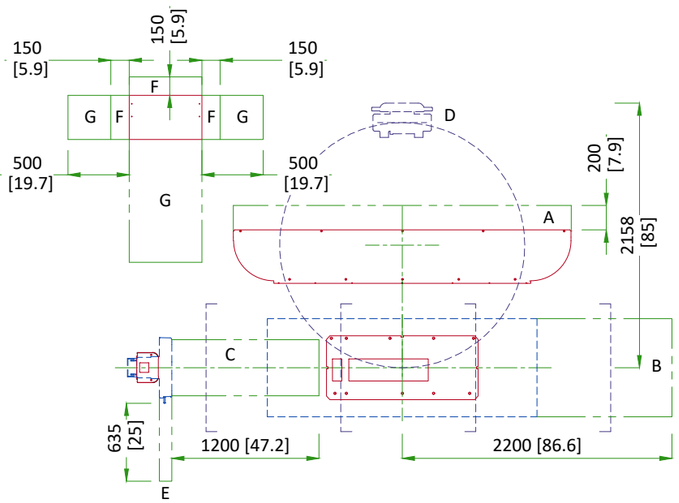
THE CUSTOMER/CONTRACTOR SHOULD:

- 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.

AT/ET SHIPPING DIMENSIONS AND WEIGHTS

	TUBE STAND COLUMN WITH COLLIMATOR, X-RAY TUBE, HV CABLES AND TABLE TOP	TUBE STAND BASE	ELEVATING TABLE	STANDARD WALL STAND	GENERATOR WITH PC INTERFACE BOX AND CABLES
LENGTH cm (in.)	2420 mm (95.3 in)	2820 mm (111 in)	1540 mm (60.6 in)	2280 mm (89.7 in)	1070 mm (42.1 in)
WIDTH cm (in.)	870 mm (34.3 in)	670 mm (26.4 in)	840 mm (33.1 in)	850 mm (33.4 in)	620 mm (24.4 in)
HEIGHT cm (in.)	1050 mm (41.3 in)	350 mm (13.8 in)	960 mm (37.8 in)	500 mm (19.6 in)	740 mm (29.1 in)
WEIGHT kg (lbs)	414 kg (912 lb)	104 kg (229 lb)	376 kg (828 lb)	208 kg (458 lb)	140 kg (308 lb)

EXAM ROOM CLEARANCE AREAS



A: INSTALL AREA:
Minimum space required to utilize the tube stand dollies

B: SERVICE AREA:
Minimum area to allow you to draw the table top out to open a service area for detector housing

C: AREA to ensure the SID 1m below table top

D: OPERATION AREA:
Used when tube column rotates 180° . Does not include tech work space.

E: OPERATION AREA:
Used when opening the wall bucky.

F: OPERATION AREA:
Ventilation required 150 mm [5.9"].

G: SERVICE AREA:
Service area required when generator is anchored in seismic zones.

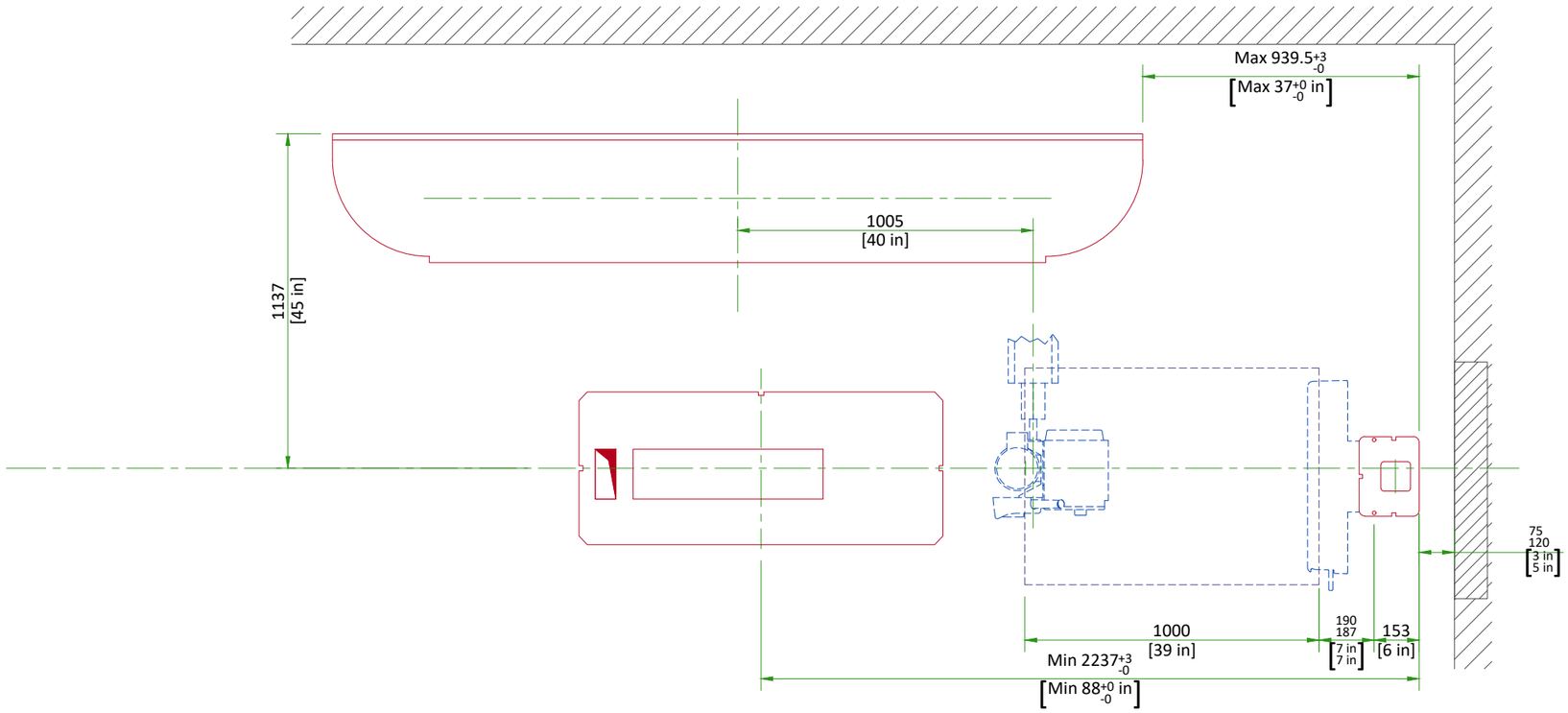
Note: if the WS is on the right side, area B will be on the left side

SCALE 1:50

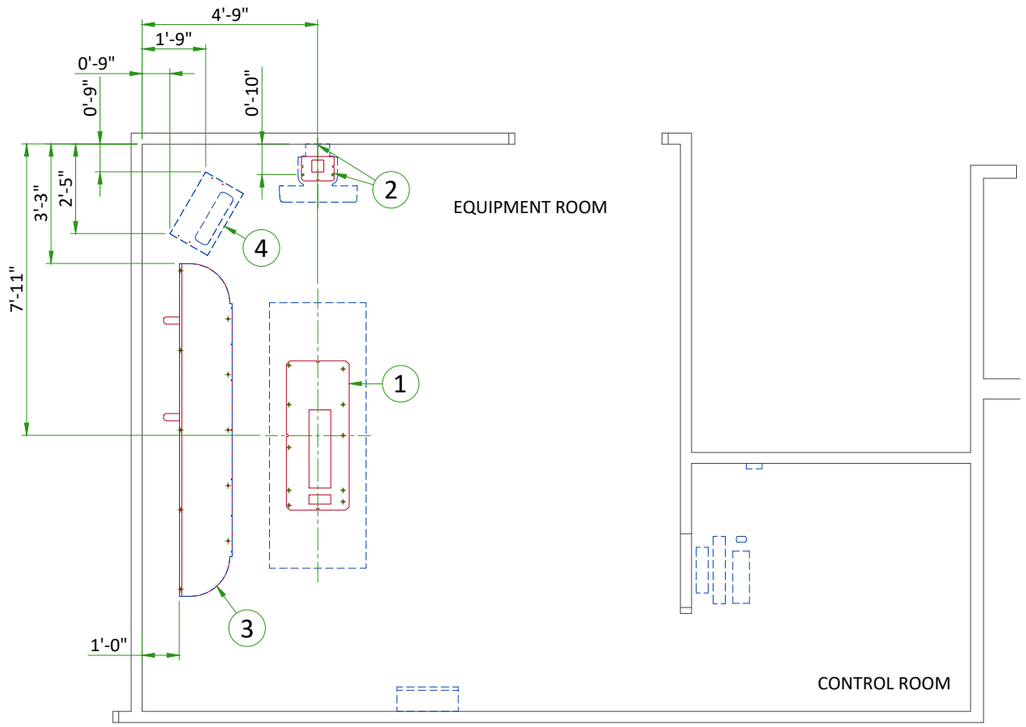
STRUCTURAL NOTES

- 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.
- 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 for suggested locations.
- Control walls shall be constructed to minimum 2130mm (7'-0") high.
- Dimensions are to finished surfaces of room.
- Customers contractor must provide all penetrations in post tension floors.
- 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.
- 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.
- 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".
- Different anchor types are used to install the components of the system. Refer to Structural Requirements Section(s) of the Pre-Installation Manual for each anchor requirement.
- Refer to the Structural Requirements Section for the required minimum embedment.
- The ground surface must be flat and leveled, maximum tolerance for leveling is ±1.5 mm per 1 m (0.2 in per 10 ft). If the tolerances are not met by using the spacers provided, a grout pad shipped with the system is to be used by the contractor to meet this specification. The maximum pad thickness is 6.3 mm (0.25 in).

WALL STAND LOCATION DIMENSIONS

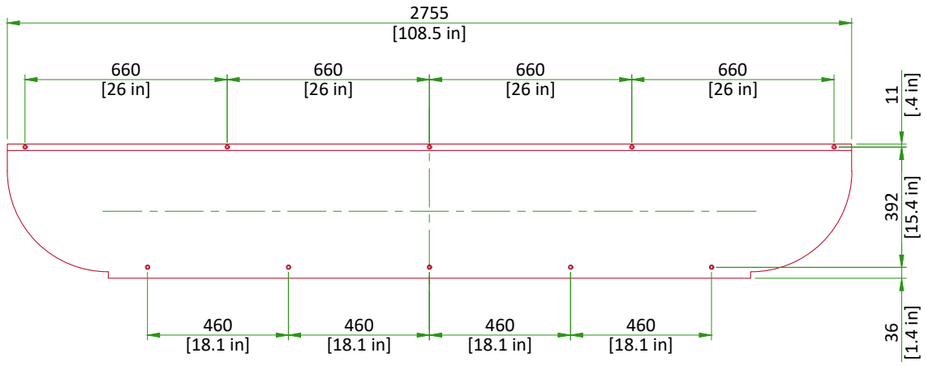


The typical equipment positions shown ensure the 1000 mm [40 in] SID below the table top. The tube stand install dolly clearances and surface horizontal wall duct on the back wall are taken into account. Site the system according to the dimensions on the Equipment Layout.



ITEM	DESCRIPTION
	(GE SUPPLIED / CONTRACTOR INSTALLED)
1	Table Anchoring
2	Wall Stand Floor Anchoring and Wall Support (refer to detail on page A3)
3	Tube Stand Anchoring
4	Generator Floor Contact Area

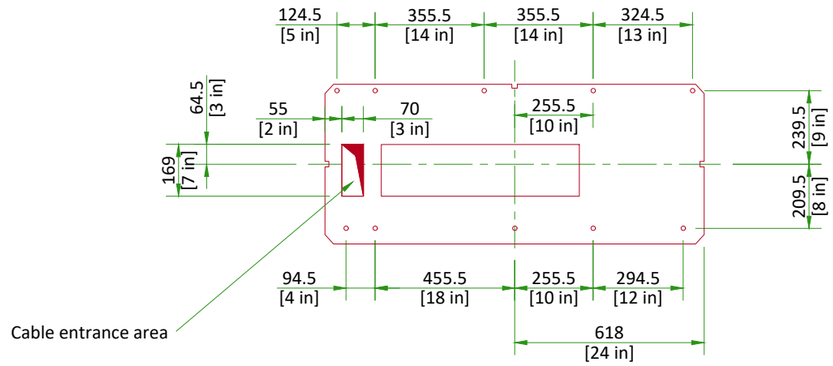
AT/ET TUBE STAND BASEPLATE



All anchor holes (total 10) are Ø12 mm [Ø0.47 in]
Older unit (pre-2019) anchor holes are Ø10 mm [Ø0.39 in]

Scale 1:20

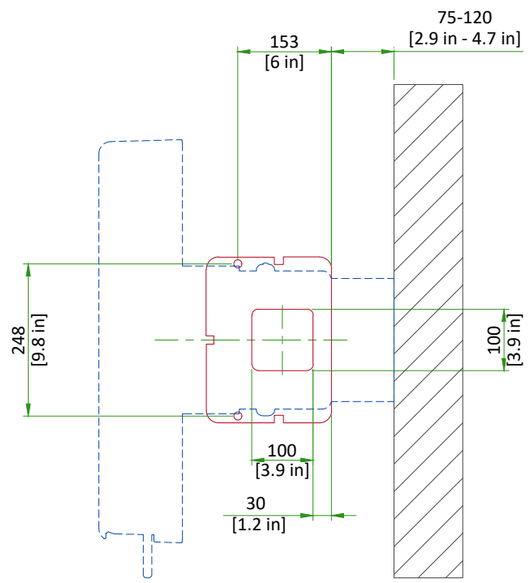
AT/ET TABLE BASEPLATE



All anchor holes (total 10) are Ø15 mm [Ø0.59 in]
Older unit (pre-2019) anchor holes are Ø10 mm [Ø0.39 in]

Scale 1:20

WALL STAND BASEPLATE



All anchor holes (2 on floor, 2 on wall) are Ø15 mm [Ø0.59 in]
Older unit (pre-2019) anchor holes are Ø10 mm [Ø0.39 in]

Scale 1:10

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM		CONTROL ROOM	
Temperature	Min	Max	Min	Max
	10°C (50°F)	40°C (104°F)	T.B.D.	T.B.D.
Relative humidity (1)	30% to 75%		T.B.D.	
Heat output	W	BTU/h	W (In Use)	BTU/h (In Use)
	523.6	1784.8	97.3	332.5

Exam room heat output assumes a working cycle of one [1] patient every two [2] minutes during one [1] hour.

The optional docking station can be sited in the exam room or the control room. It adds 70.3 W (240 BTU/h) to the heat load.

STORAGE CONDITIONS

Temperature	5°C to 60°C (41°F to 140°F)
Relative humidity (1)	20% to 90%

Material should not be stored for more than 90 days.
(1) non-condensing

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.

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).

For all installations, make sure you have at least one (1) RJ45 dedicated to connect the new equipment on the LAN.

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.

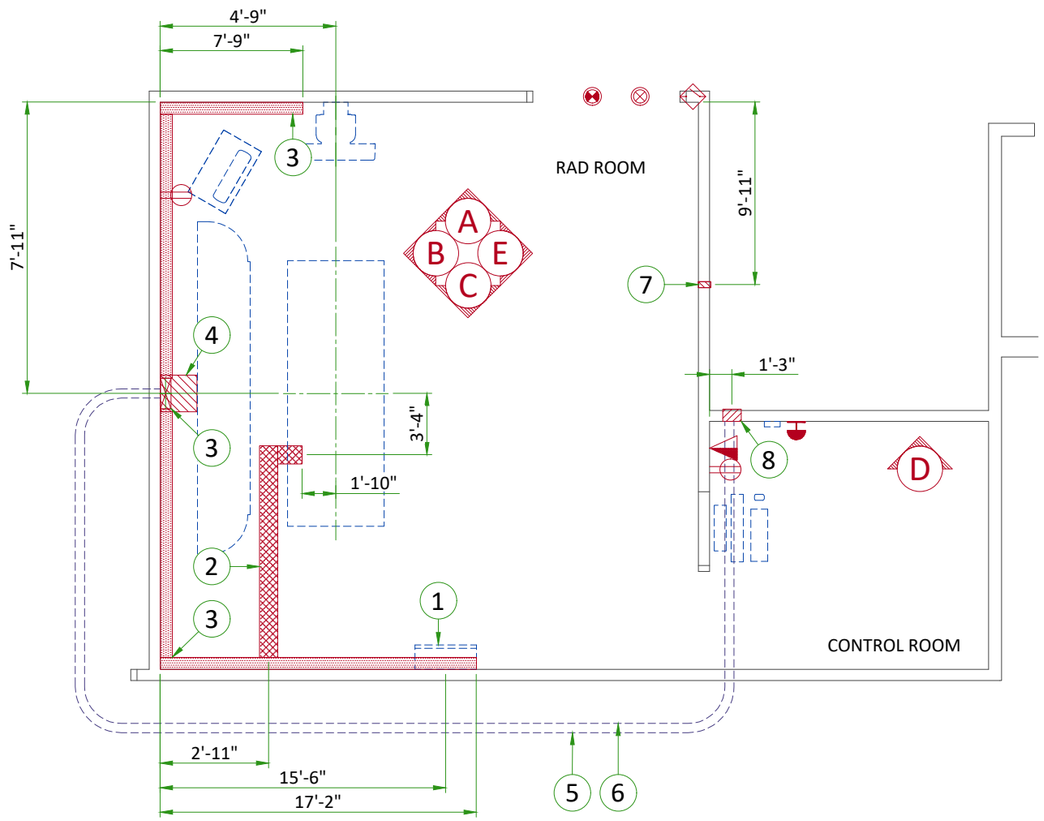
1.1. Aluminum or solid wires are not allowed.

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 distritbution 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.



FLOOR AND ELECTRICAL LAYOUT

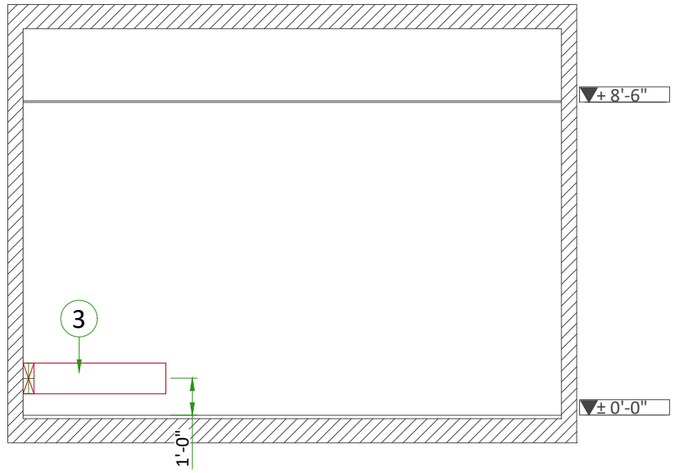
ITEM	DESCRIPTION
1	Main disconnect panel
2	6" x 3 1/2" surface floor duct with minimum 1 divider
3	10" x 3 1/2" surface wall duct with minimum 2 dividers
4	Box above ceiling size per local code
5	1" conduit above ceiling
6	2 1/2" conduit above ceiling
7	Flush box, size per local code [Access Point]
8	6" x 6" x 4" box [Console]

ITEM	QTY	Outlet Legend for GE Equipment
		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
		Network outlet
		System emergency off (SEO), (recommended height 1.2m [48"] above floor)
		X-Ray room warning light control panel
		X-Ray ON lamp (L1) - 24V
		Door interlock switch (needed only if required by state/local codes)

	Surface wall duct
	Surface floor duct

Additional Conduit Runs (Contractor Supplied and Installed)

From (Bubble # / Item)		To (Bubble # / Item)		Qty	Size In.	Size mm
1	Main Disconnect Panel		Feeder	1	As Req'd	As Req'd
1	Main Disconnect Panel		Generator	1	As Req'd	As Req'd
			Table	1	1/2	16
			System Emergency Off	1	1/2	16
	Warning Light Controller		Warning Light	1	1/2	13
			Generator	1	1/2	13
			120-V 1Ø Power	1	As Req'd	As Req'd
	Door Interlock Switch		Generator	1	1/2	16
4	Aero DR interface unit	7	Access Point		1	25



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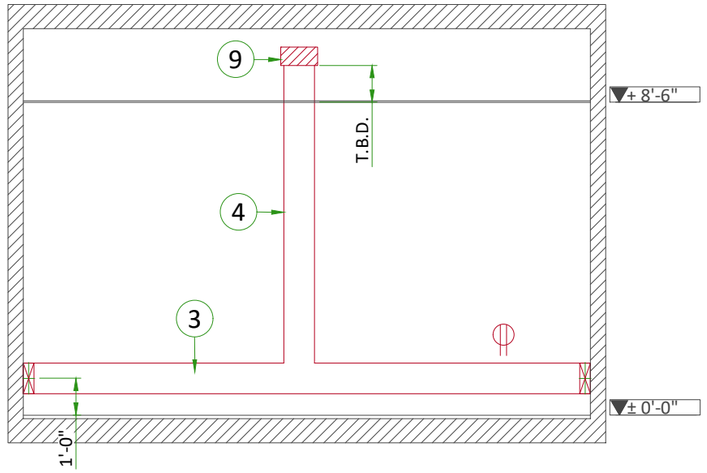

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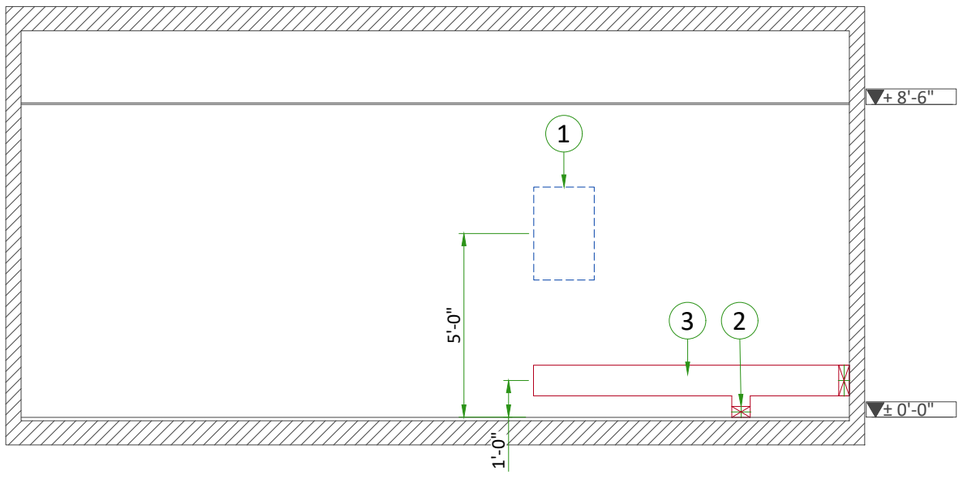

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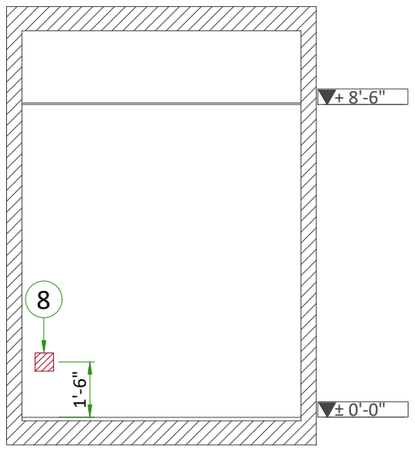

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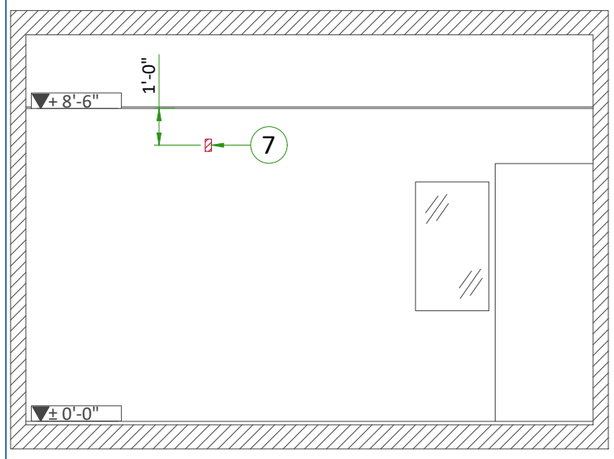


E

POWER REQUIREMENTS

Power Supply	**1 Phase+G 208/230/240 ±10% / 3 Phase+G 380/400/415/440/480V ±10%**
Frequencies	**50 / 60 Hz**
Minimum kVA Required	**1 Phase and 3 Phase 50kW: 62.5kVA / 3 Phase 65kW: 80kVA / 3 Phase 80kW: 100kVA**
Stand-by Consumption	**500 W**
Power Line	**Maximum line regulation 5%**

- Neutral must be terminated inside the main disconnect panel (MDP) and not at any GE cabinet.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops. Refer to Feeder Table.

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.

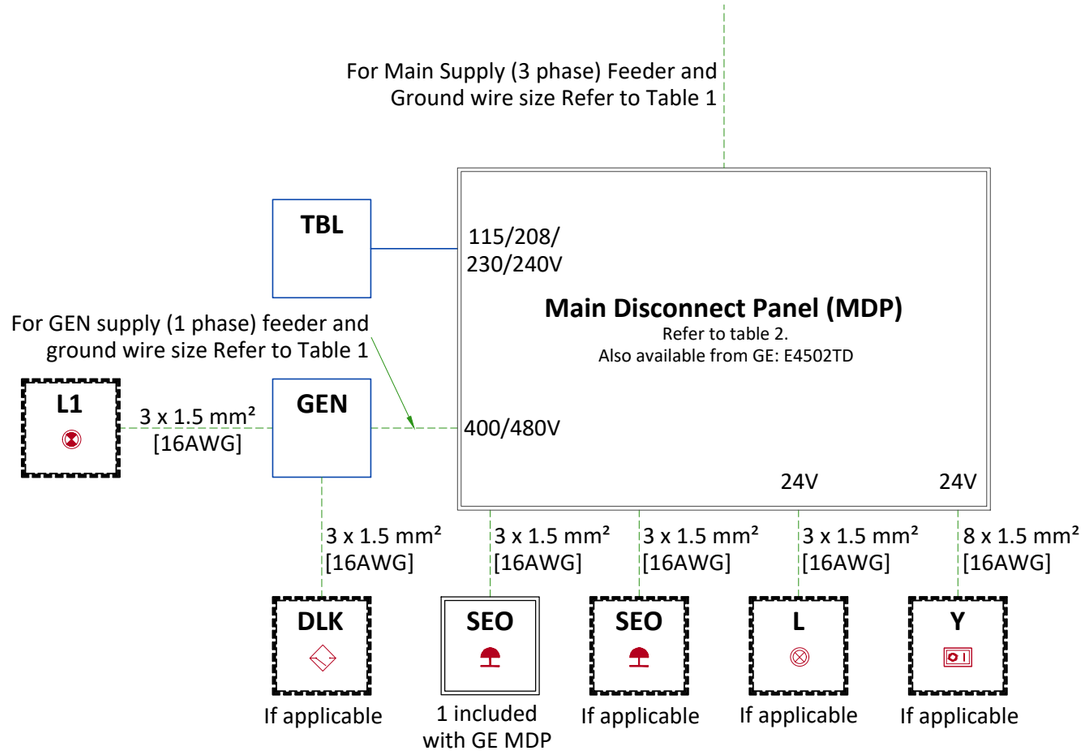
GROUND SYSTEM

- The grounding conductor will be of same size as the feeder. This ground will run from the MDP back to facility power source/main grounding point and always travel in the same conduit with the feeders and neutral.
- Grounding is critical to equipment function and patient safety. Site must conform to wiring specifications shown on this plan.

CABLES

- Power and cable installation must comply with the distribution diagram attached.
- All wiring must be THHN or TFFN stranded copper thermoplastic 600 volt or equivalent insulation. Aluminum or solid wires are not allowed. Cable color codes must comply with standards for electrical installation.
- General contractor to insert pull cords in all GE supplied cable run conduits. 1.5 m (5') pigtails at all junction points.

POWER DISTRIBUTION



LEGEND

DLK	Door interlock switch
GEN	Generator cabinet
L	System ON light - 24V - Located near access doors
L1	X-Ray ON light - Located near access doors
SEO	Emergency OFF, near access doors
TBL	Elevating table (this cable is not supplied, or used, with the ST fixed table)
Y	System remote-control locked when power OFF, "ON" and "OFF" impulse buttons with indicator lamps red=on / green=off

- - - - - - - - - Cable SUPPLIED BY CUSTOMER
——————— Cable SUPPLIED BY GE
▬ ▬ ▬ ▬ ▬ Equipment SUPPLIED BY CUSTOMER
▬▬▬▬▬▬▬ Equipment SUPPLIED BY GE
═══════ Equipment CAN BE ORDERED FROM GE

TABLE 1: MINIMUM WIRE SIZE - FACILITY TRANSFORMER TO MDP

MIN. FEEDER WIRE SIZE, AWG OR MCM (mm²)/VAC	MINIMUM FEEDER WIRE LENGTH - ft (m)			
	50 (15)	100 (30)	150 (45)	200 (60)
400(380) VAC/GROUND	8 (10)	6 (16)	4 (25)	2 (35)
415 VAC/GROUND	8 (10)	6 (16)	4 (25)	2 (25)
440 VAC/GROUND	8 (6)	6 (16)	4 (16)	4 (25)
480 VAC/GROUND	10 (6)	6 (10)	4 (16)	4 (25)

GENERAL NOTES

- Calculations based on nominal voltage.
- Recommended feeder sizes from distribution transformer to the power cabinet.
- Neutral must be terminated inside the Main Disconnect Panel (MDP) and not at any GE cabinet

In all cases qualified personnel must verify that the feeder (at the point of take-off) and the run to the X-Ray system meet all the requirements stated in the PIM

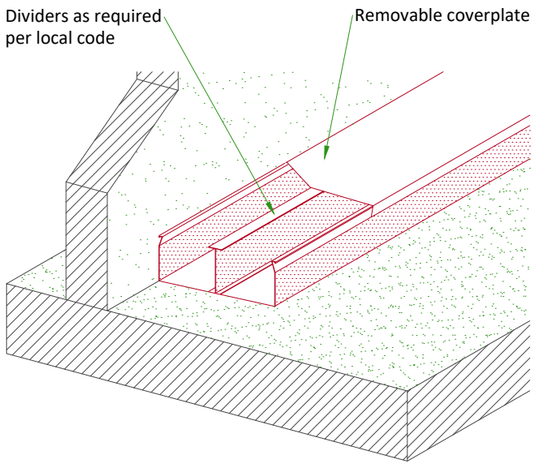
Grounding conductor will run from the equipment back to the power source/main grounding point and always travel in the same conduit with the feeders

TABLE 2: RECOMMENDED MINIMUM CUSTOMER SUPPLIED MDP RATING

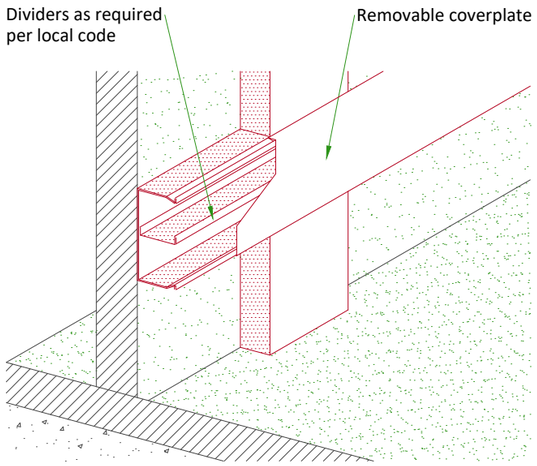
Voltage	IEC Type B	IEC Type C	IEC Type D	NEC
400 (380) V	50A	32A	20A	60A
415 V	50A	25A	20A	60A
440 V	40A	20A	20A	60A
480 V	40A	20A	20A	50A

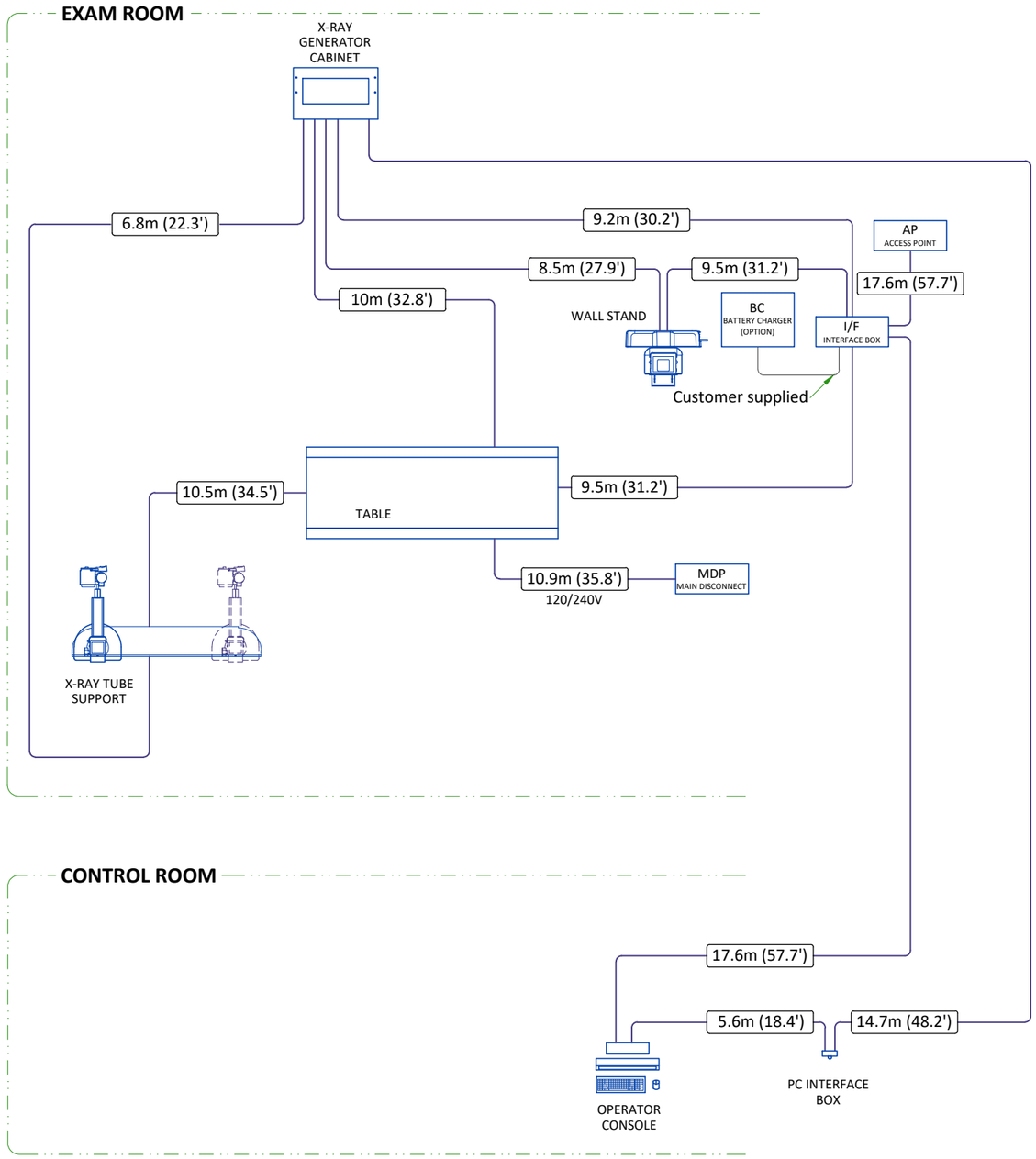
TYPICAL CABLE MANAGEMENT

DUCT ON THE FLOOR



WALL DUCT



NOT TO SCALE

INTERCONNECTIONS