



B	27/Jun/2024	Revision (DC-436412) Architectural background update
A	22/Feb/2024	Final (DC-419790)
REV	DATE	MODIFICATIONS
01 - C1 - Cover Sheet 02 - C2 - Disclaimer - Site Readiness 03 - A1 - General Notes 04 - A2 - Equipment Layout 05 - A3 - Movement Layout 06 - A4 - Section Views 07 - A5 - Equipment Details (1) 08 - A6 - Equipment Details (2) 09 - A7 - Delivery 10 - S1 - Structural Notes 11 - S2 - Structural Layout 12 - S3 - Structural Details (1) 13 - S4 - Structural Details (2) 14 - S5 - Structural Details (3) 15 - S6 - Structural Details (4)		16 - M1 - HVAC 17 - E1 - Electrical Notes 18 - E2 - Electrical Layout 19 - E3 - Electrical Elevations 20 - E4 - Electrical Details 21 - E5 - Power Requirements 22 - E6 - Interconnections 23 - E7 - Light Signaling (1)
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.		

Norwalk Hospital Norwalk, CT USA					
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ALLIA IGS 740 WITH AUTORIGHT FINAL STUDY					
Drawn by		Verified by	Concession	S.O. (GON)	PIM Manual
KGK		EEQ	-	5408276	5847738-8EN
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A3	1/4"=1'-0"	IGS-M336958-FIN-00-B.DWG			27/Jun/2024
					Rev
					5
					Sheet
					01/23

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.

ALL DETAILS OF EQUIPMENT AND TECHNICAL DATA ARE SUBJECT TO CHANGE.

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

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 https://www.gehealthcare.com/support/manuals	

- 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 Checklist **DOC2949062** and Worksheet **DOC2949068** are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.
 - 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)

CONNECTIVITY REQUIREMENTS

Service Connectivity for new systems will be based on the Insite-RSvP Platform which allows to configure a direct Internet connection to the RSvP Server (routers/VPN tunnel no more mandatory). Communication with the RSvP server will be outbound only and require using Transport Layer Security (TLS) over TCP port 443. This is commonly known as an HTTPS (HTTP-Secure) connection.

There will be several ways to connect the system to the RSvP Enterprise Server. See below the main options that might not be all available or authorized at your site depending on actual network constraints or local regulations.:

- The system allows for DNS configuration or proxy server-based connection to the Internet.
- Connection thru a GE Proxy will be possible in the future.
- In the case the customer does not accept the above connection protocol or regulatory reasons prevent using these types of configurations, the local/regional connectivity teams can provide help to connect through SSL/TLS proxy IP over the site-to-site VPN.

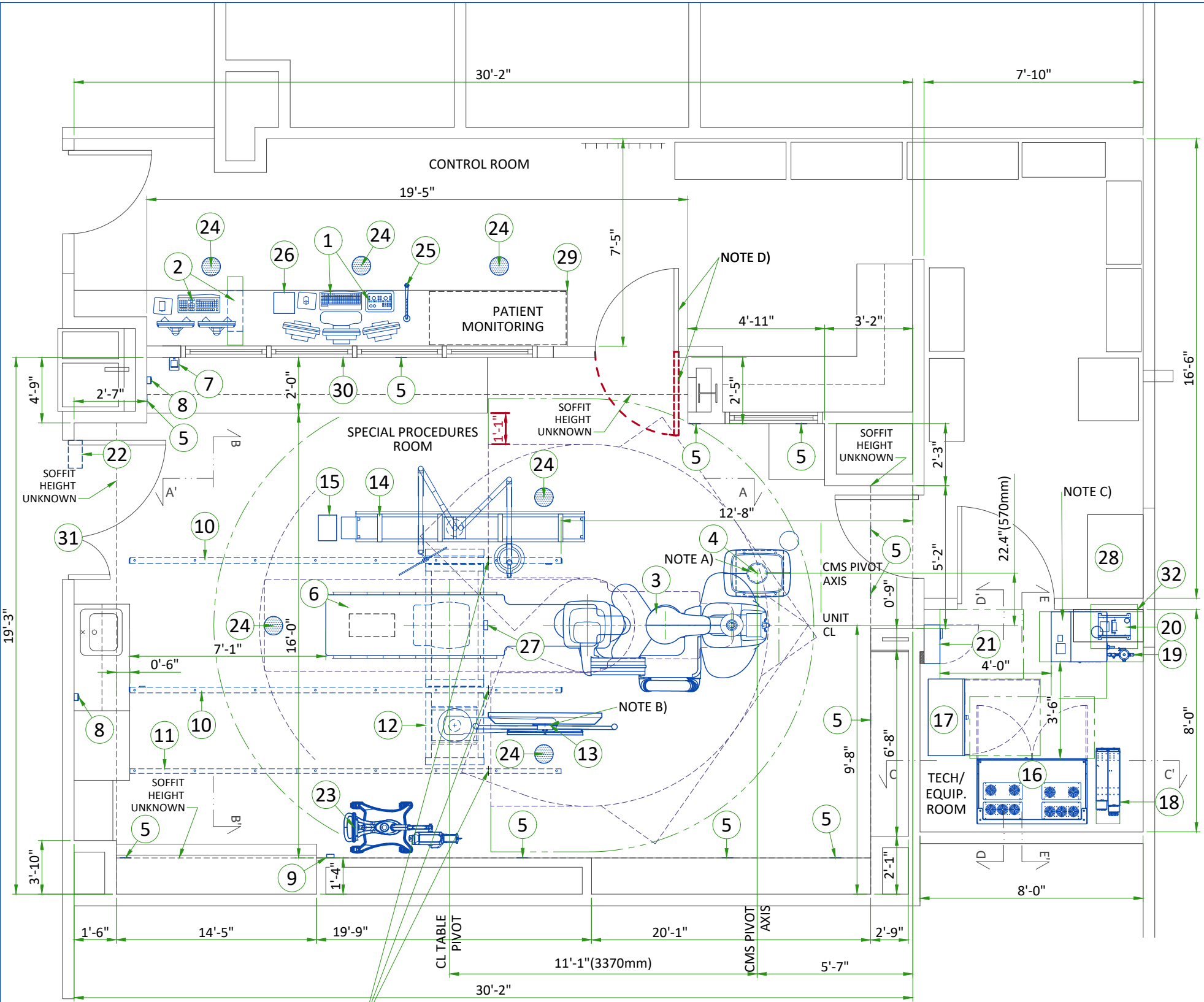
To make the system connectivity operational before the system installation is finished, ensure the connectivity solution is defined as early as possible during the pre-installation process and proper information are exchanged between the customer Network Administrators and GEHC Sales and/or Service representatives.

For more information please refer to the latest version of the Pre Installation Manual.

ELECTROMAGNETIC INTERFERENCE

The IGS System is intended for use in the electromagnetic environment specified below.
The Customer or the user of the System should assure that it is used in such an environment.

EMISSIONS	TEST COMPLIANCE	ELECTROMAGNETIC ENVIRONMENT
Radio–Frequency Emissions CISPR11	Group1 Class A limits	The IGS System uses Radio Frequency energy only for its internal function.Therefore, its Radio Frequency emissions are very low and are not likely to cause any interference in nearby electronic equipment.
		The IGS System is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000–3–2	Not applicable	The IGS System is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Voltage fluctuations/ flicker emissions IEC 61000–3–3	Not applicable	The IGS System is suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.



DUE TO CEILING HEIGHT OF LESS THAN 9'-7", BRIDGE STOP MUST BE PLACED AT THIS LOCATION FOR LDM BRIDGE. TO AVOID COLLISION WITH GANTRY, BRIDGE SHOULD NOT ENTER INTO GANTRY TRAVEL AREA.

- GENERAL NOTES ON DRAWING
- A) CMS WILL REQUIRE DROP DOWN AREA/BOX. SEE STRUCTURAL DETAIL.
 - B) MAX DISTANCE FOR LDM WITH REQUIRED BRIDGE STOP
 - C) COOLIX 4100 CONDITIONER (#19) MUST REMAIN ON WHEEL. LOCATION DOES NOT MEET SERVICING AND NEC REQUIREMENTS. IT WILL HAVE TO BE PULLED OUT WHEN SERVICING 8 KVA UPS OR ITSELF.
 - D) THE CONTROL ROOM DOOR WHEN SWINGING INTO EXAM ROOM CREATES A POTENTIALLY FOR COLLISION WITHIN REQUIRED GANTRY MOVEMENT & ITS CLEARANCES. DOOR SWING COLLISION PATH VERSES EQUIPMENT MOVEMENT LOCATION IS NOT ALLOWED BY GEHC AND A CONCESSION WOULD NOT BE GRANTED. THE DOOR WOULD NEED TO BE CHANGED TO SWING IN TOWARD CONTROL ROOM AS SHOWN TO MEET THE REQUIREMENT IF CODES ALLOW.

- GENERAL COMMENTS
- 1.- ORDER INCLUDES 19'-0" RAILS BUT 15'-6" RAILS ARE SHOWN AND RECOMMENDED DUE TO CEILING HEIGHT RESTRICTIONS AND SYSTEM CLEARANCES' REQUIREMENTS.
 - 2.- PER CUSTOMER REQUEST SHORT BRIDGE IS SHOWN TO ALLOW THE 2.5 M TRACK TO BE CLOSER TO TABLE
 - 3.- DUE TO REDUCED WIDTH OF ROOM IN AREAS AROUND GANTRY CLEARANCES, BACK OUTS WILL BE REDUCED.

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

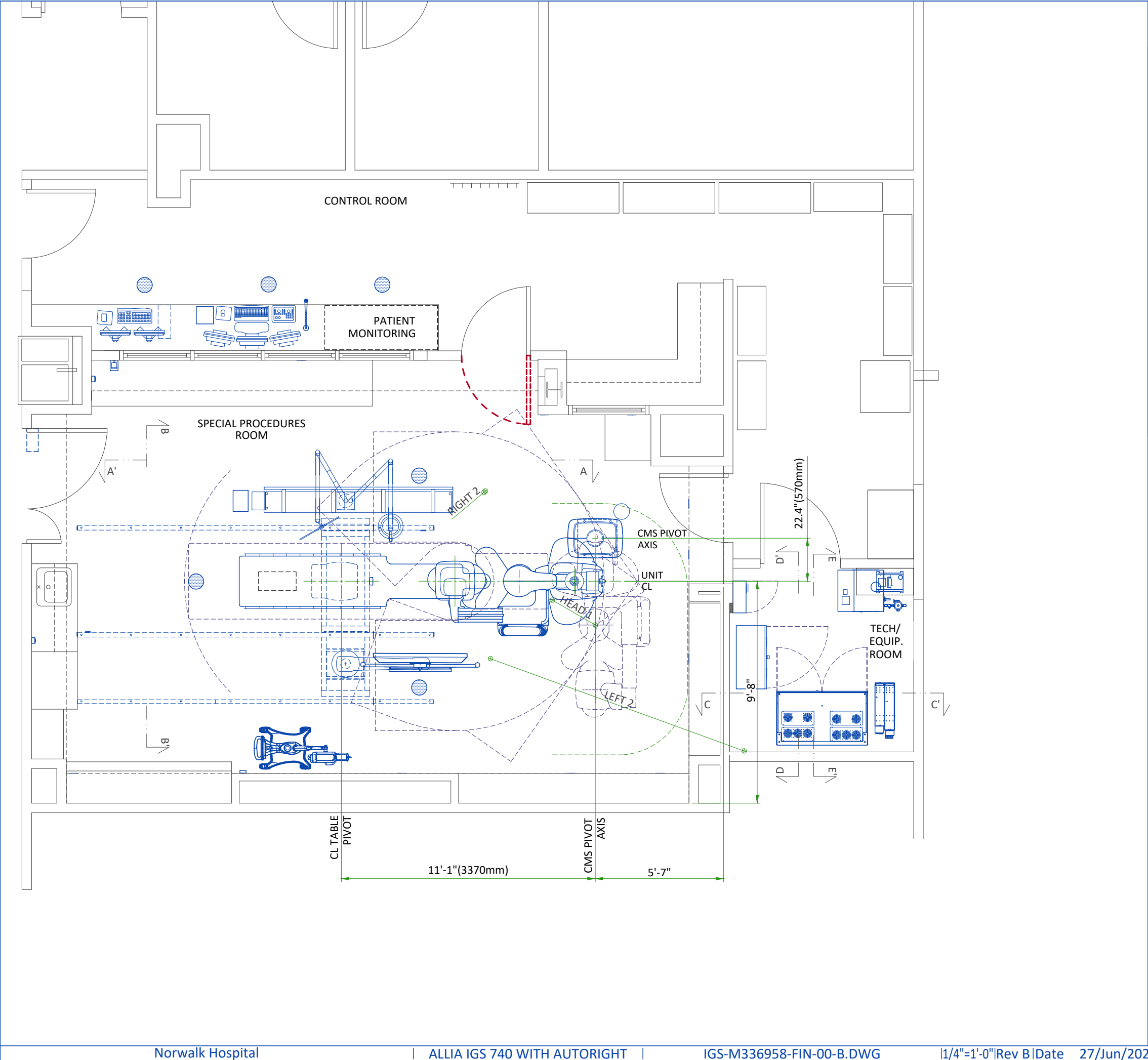
BY	ITEM	DESCRIPTION	MAX HEAT OUTPUT (BTU/h)	WEIGHT (lbs)	MAX HEAT OUTPUT (W)	WEIGHT (kg)
A	1	OPERATOR CONSOLE	341	45	100	20.2
A	2	ADVANTAGE WORKSTATION (AW)	3412	70	1000	31.7
A	3	GANTRY	-	2205	-	1000
A	4	CABLE MANAGEMENT SYSTEM (CMS)	-	-	-	-
A	5	POSITIONING TARGETS (x11)	-	-	-	-
A	6	TILTING TABLE	-	2242	-	1017
A	7	XRAY BUZZER	-	2	-	1
A	8	V-POINT	-	1	-	0.5
A	9	AW MOUSE INTERFACE BOX	-	-	-	-
A	10	MONITOR SUSPENSION RAILS (x2)	-	139	-	63
A	11	CABLE DRAPE RAIL	-	-	-	-
A	12	MONITOR SUSPENSION SHORT BRIDGE	-	225	-	102
A	13	LARGE DISPLAY MONITOR WITH TWO BACKUP MONITORS	341	598	100	271.4
A	14	MAVIG RAD SHIELD AND LAMP WITH 2.5M CEILING TRACK	-	205	-	93
B	15	LED LAMP TRANSFORMER	-	6	-	2.7
A	16	C-FRT CABINET	7370	1230	2160	558
A	17	SYSTEM INTERFACE CABINET	1706	642	500	291
A	18	8kVA UPS	1774	185	520	84
A	19	COOLIX 4100 CONDITIONER	23645	265	6930	120
A	20	DETECTOR CONDITIONER	717	32	210	14.6
B	21	MAIN DISCONNECT PANEL (MDP)	-	49	-	22
B	22	ELECTRICAL BOX (LIGHT SIGNALING)	-	26	-	12
A	23	MARK 7 ARTERION INJECTOR ON PEDESTAL	-	182	-	82.5
B	24	VITALINQ SPEAKER (x6)	-	-	-	-
B	25	VITALINQ MICROPHONE	-	-	-	-
B	26	VITALINQ CONSOLE	-	-	-	-
B	27	VITALINQ MICROPHONE (ONE ON MONITOR BRIDGE IN EXAM ROOM)	-	-	-	-
C	28	STORAGE CABINET FOR SERVICE TOOLS AND MANUALS	-	-	-	-
C	29	COUNTER TOP FOR EQUIPMENT- PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE CABLES				
C	30	CONTROL WALL TO CEILING WITH LEAD GLASS VIEWING WINDOW				
C	31	MINIMUM OPENING FOR EQUIPMENT DELIVERY IS 1280mm x 2200mm [50.4 in x 87 in], CONTINGENT ON A 2438mm [96 in] CORRIDOR WIDTH				
C	32	SHELF (x2) MIN. 350 mm [14 in] DEEP FOR SERVICE TOOLS AND MANUALS				

EXAM ROOM HEIGHT

FINISHED FLOOR TO SLAB HEIGHT	12'-0"
FALSE CEILING HEIGHT	9'-6"

- NOTE:
- REFLECTORS TO BE LOCATED ABOVE CABINET TOP; MINIMUM HEIGHT FROM FINISHED FLOOR 80.7" [2.05M]
 - ENSURE THE SURFACES TO BE NON-REFLECTIVE AND NON-MOBILE FOR THE POSITIONING TARGETS

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



MOVEMENT LAYOUT

PARKING POSITIONS

NAME	RIRP* 1508		FEASIBLE DISTANCE	PROPOSED
	min	max		
Park Head 1	500	3930		YES
Park Left 2	500	4080		
Park Right 2	500	3680		

A maximum of two parking positions can be selected.

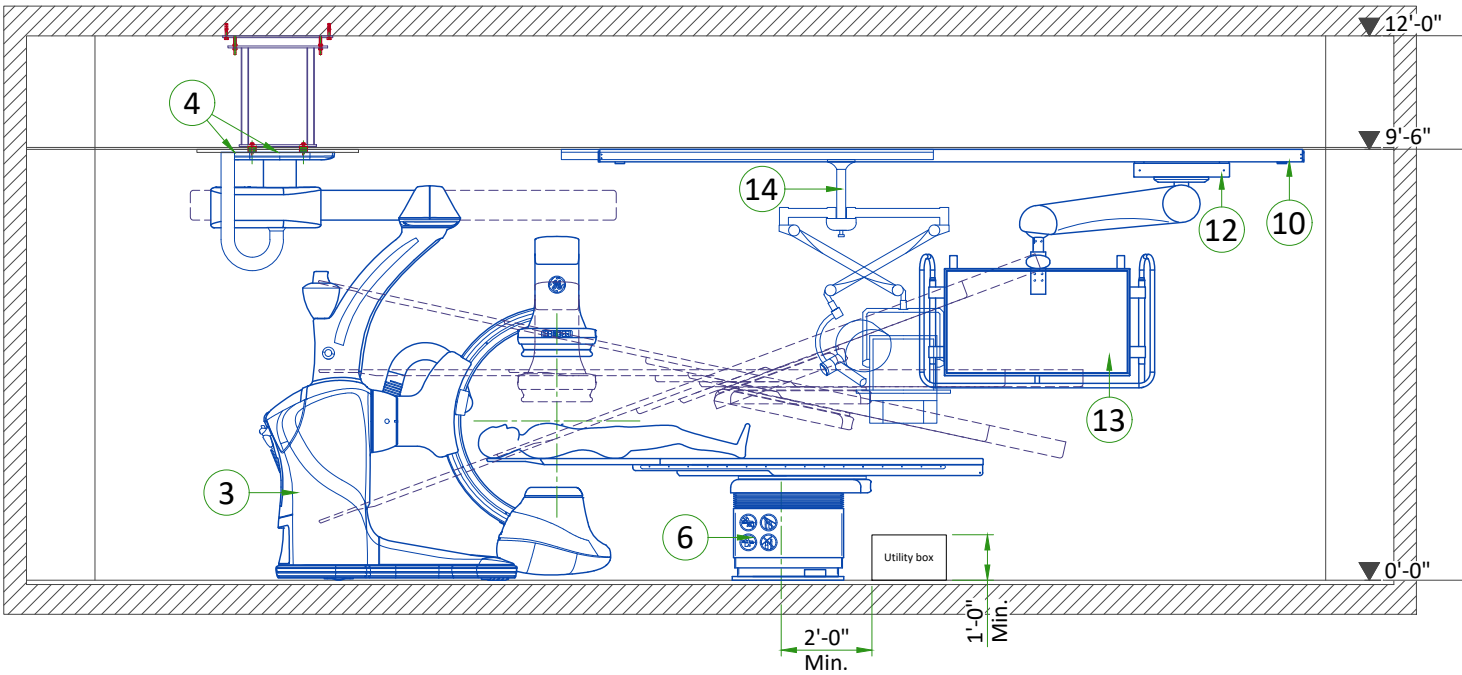
BACKOUT POSITIONS

TYPE	NAME	RIRP* 1508		TYPICAL
		min	max	
Backouts	Head Long	500	4310	1200
	Head Left	500	2700	2700
	Head Right	500	3600	2700
	Left 1	500	4310	1200
	Right 1	500	4310	1200
Arm backouts	Left Swivel	500	900	-
	Right Swivel	500	1700	-

* RIRP: Room Interventional Reference Point

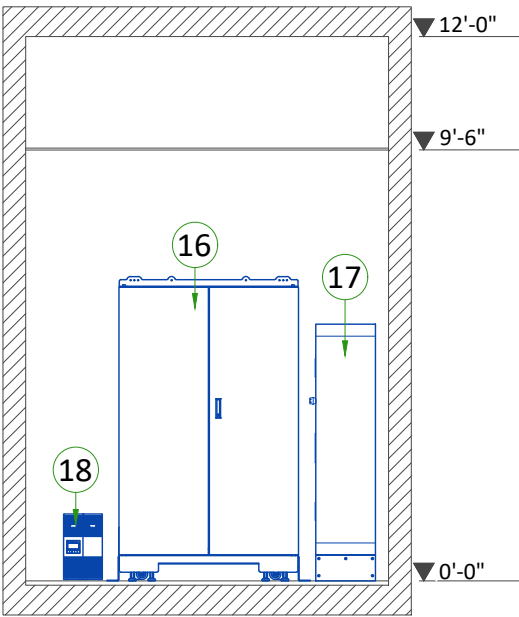
EXAM ROOM VIEW

SECTION A-A'



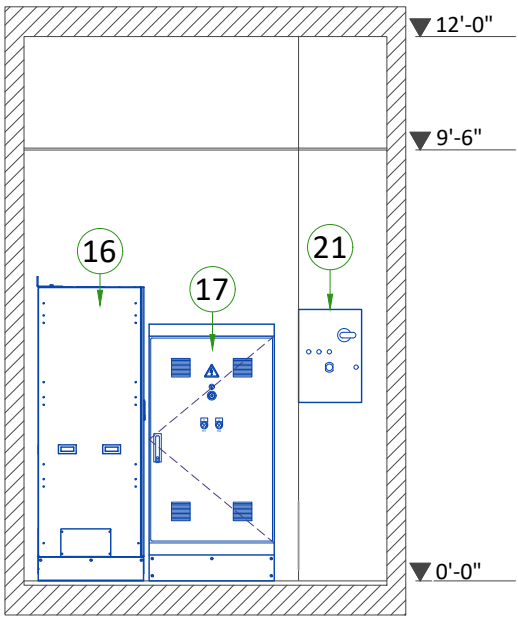
TECHNICAL ROOM VIEW

SECTION C-C'



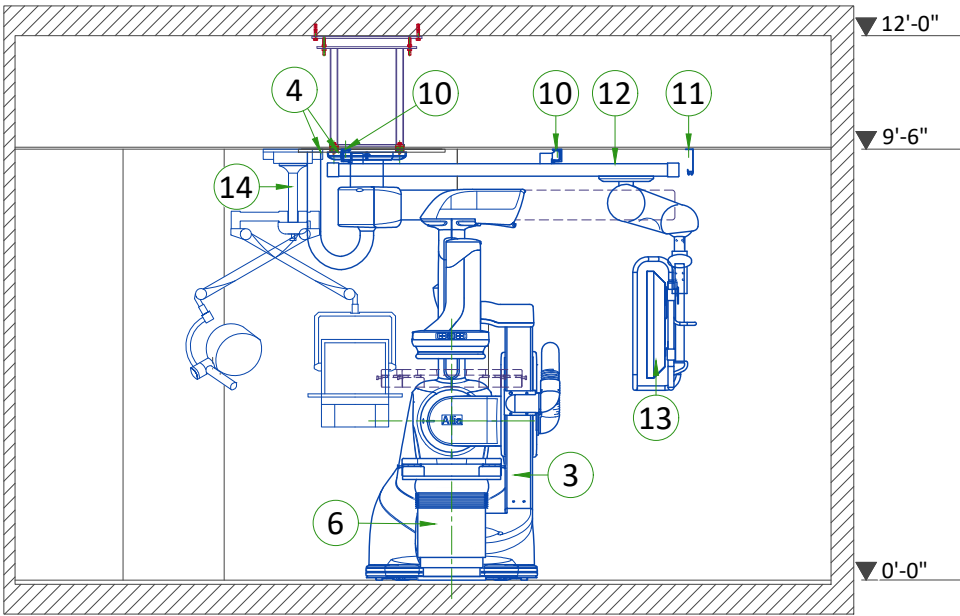
TECHNICAL ROOM VIEW

SECTION D-D'



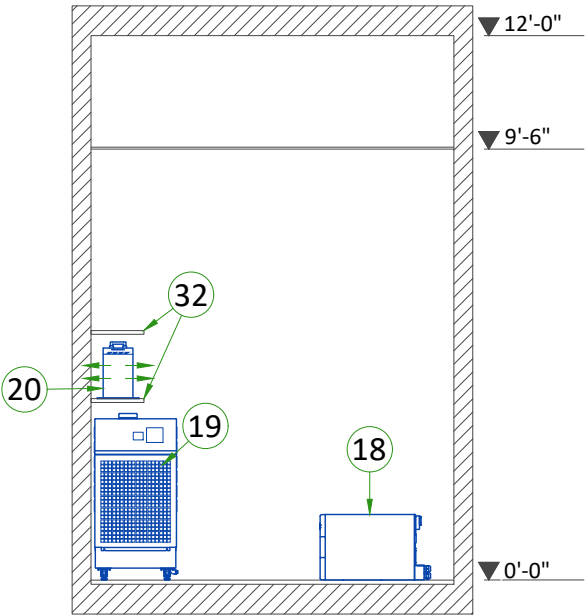
EXAM ROOM VIEW

SECTION B-B'

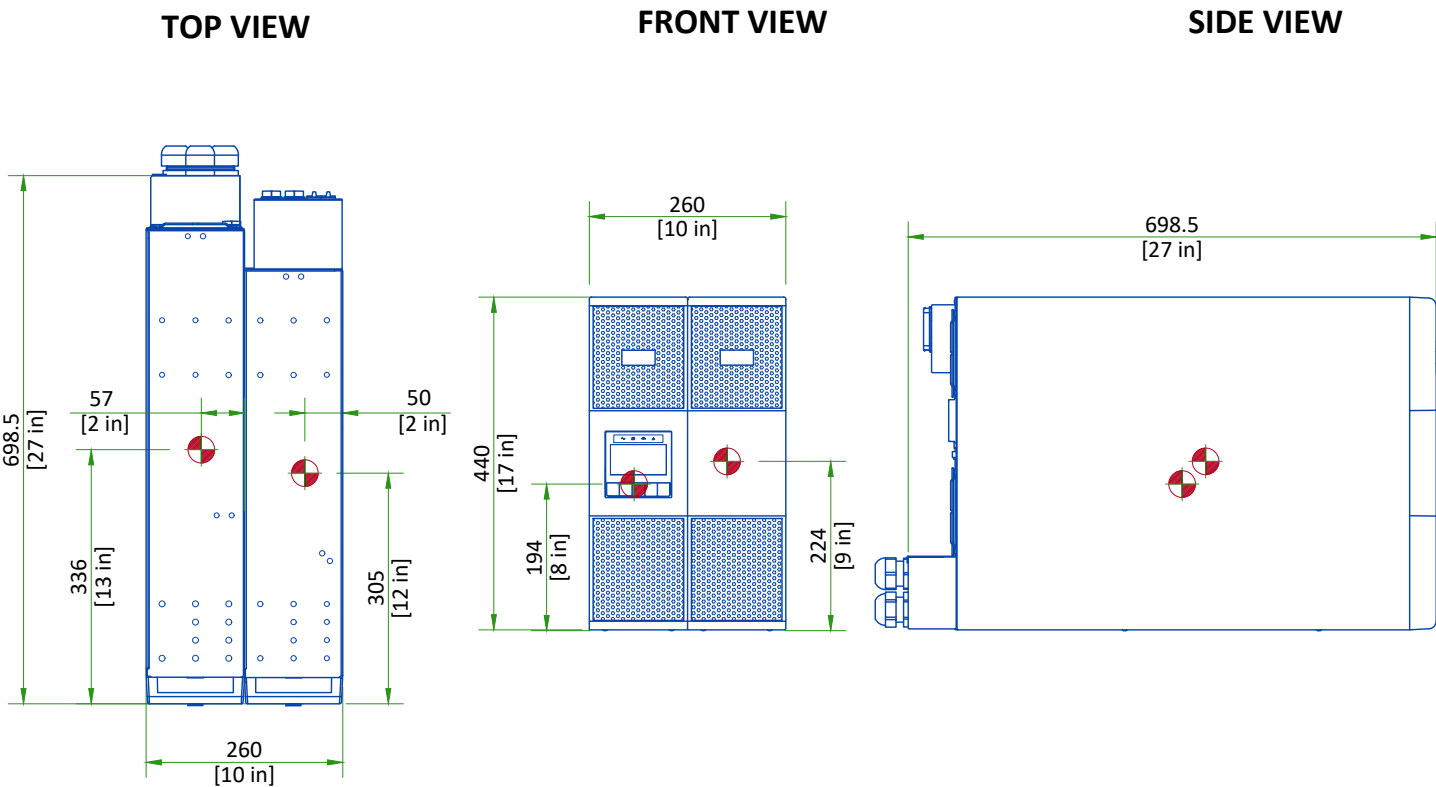


TECHNICAL ROOM VIEW

SECTION E-E'

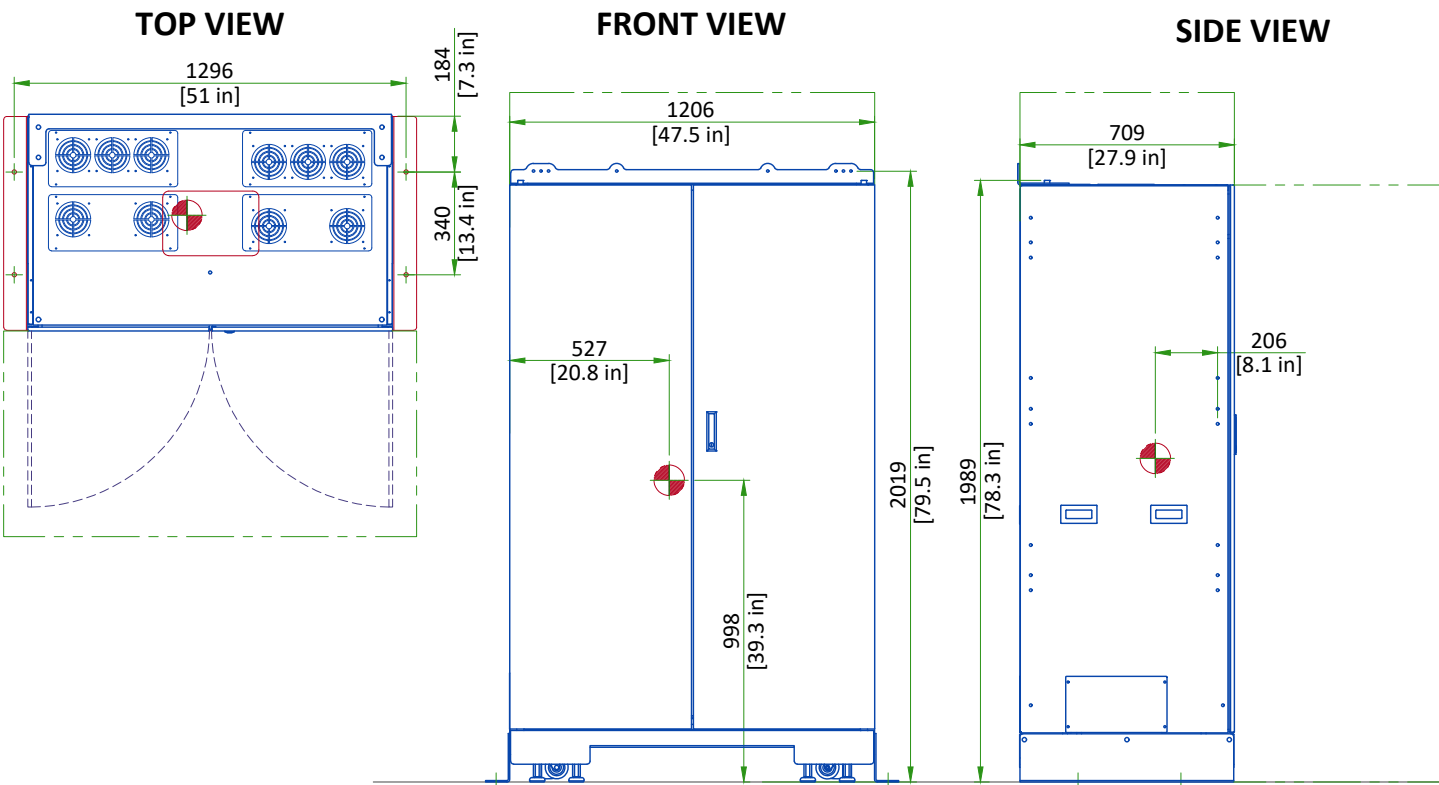


8kVA UPS



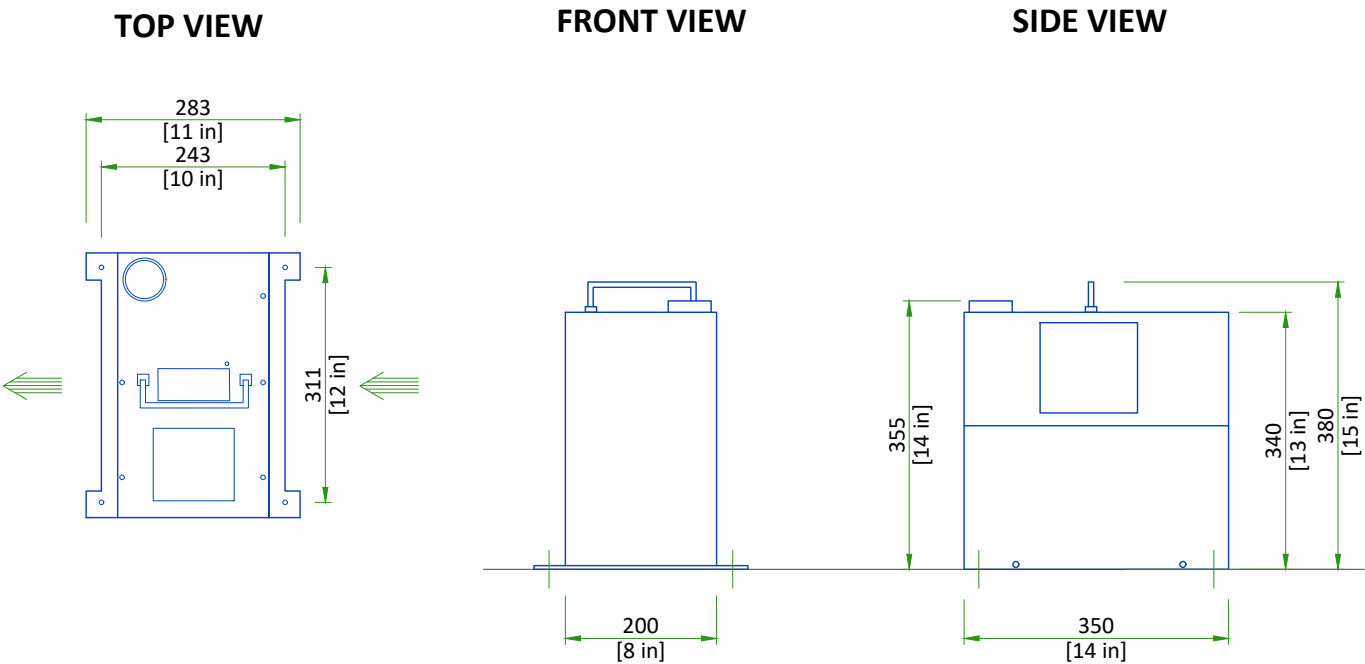
Center of Gravity
Scale 1:10

C-FRT CABINET



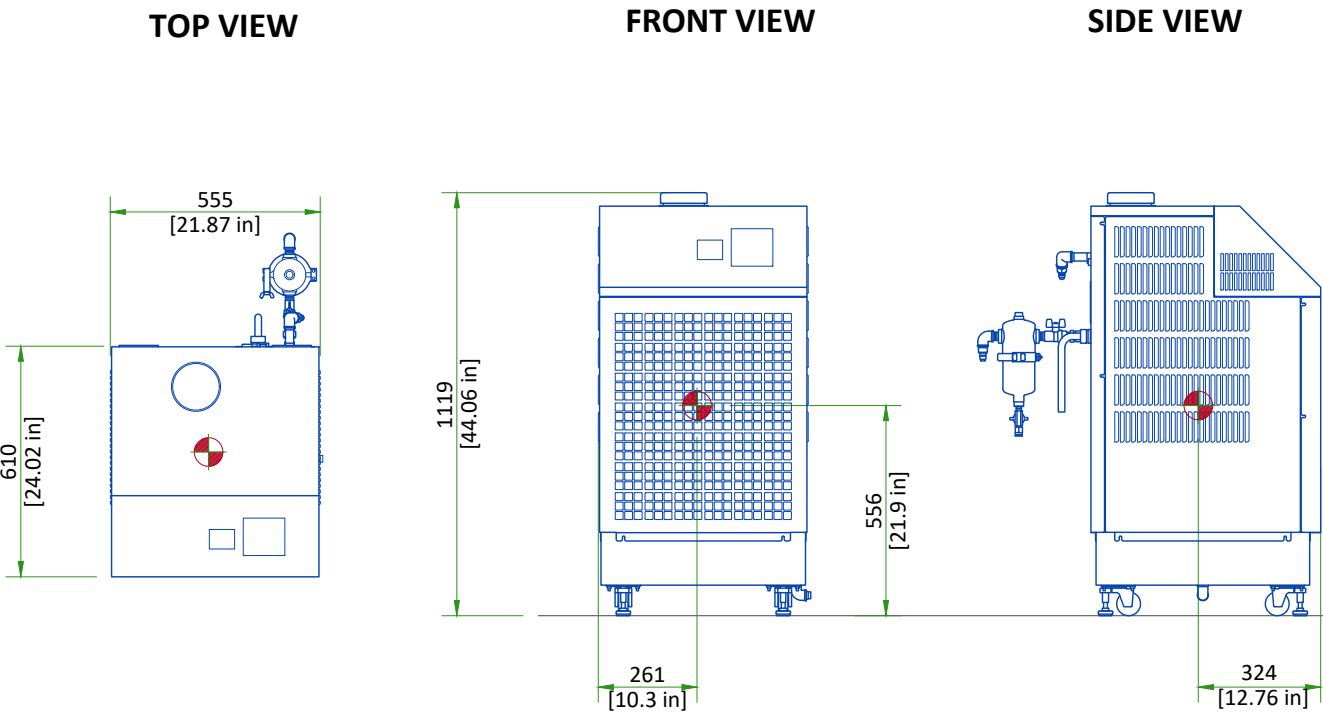
Center of Gravity
SCALE 1:25

DETECTOR CONDITIONER



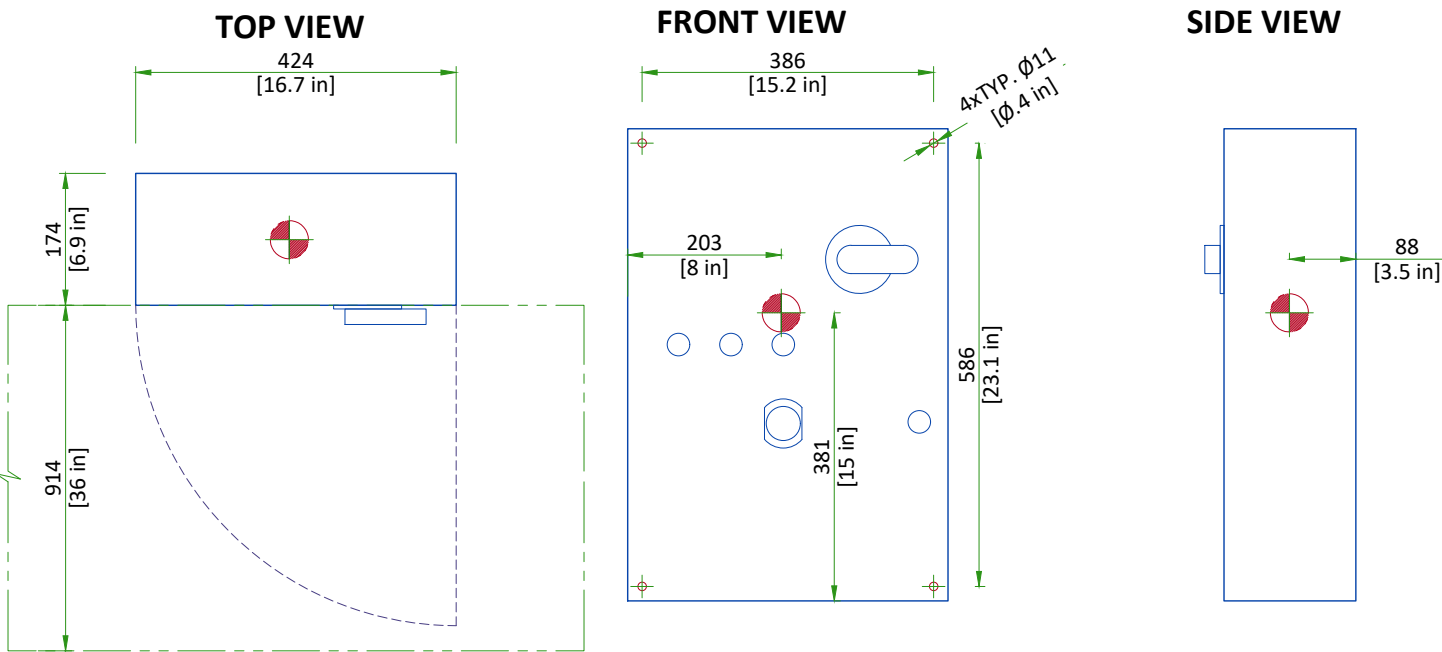
Indicates air flow
Scale 1:10

X-RAY TUBE CONDITIONER



Center of Gravity
Scale 1:20

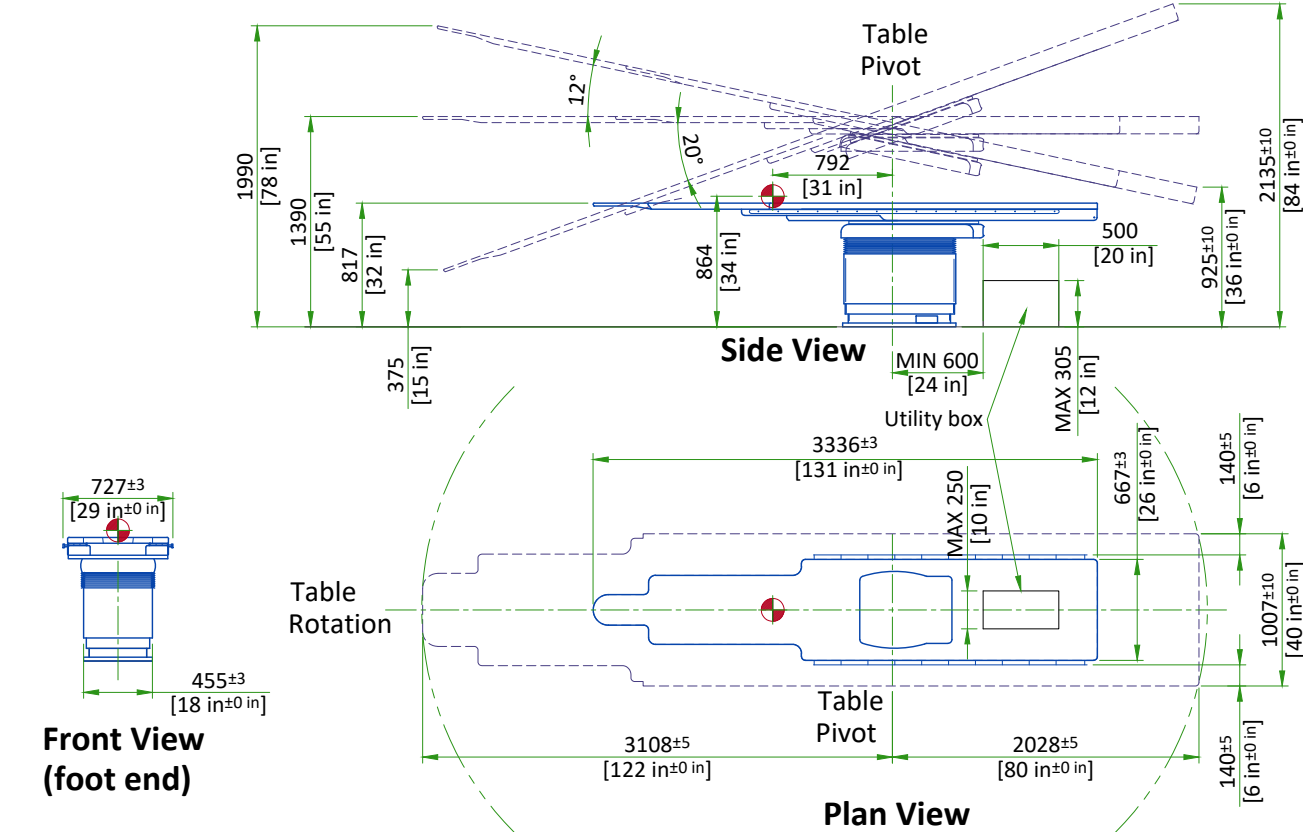
MAIN DISCONNECT PANEL



Center of Gravity

Scale 1:10

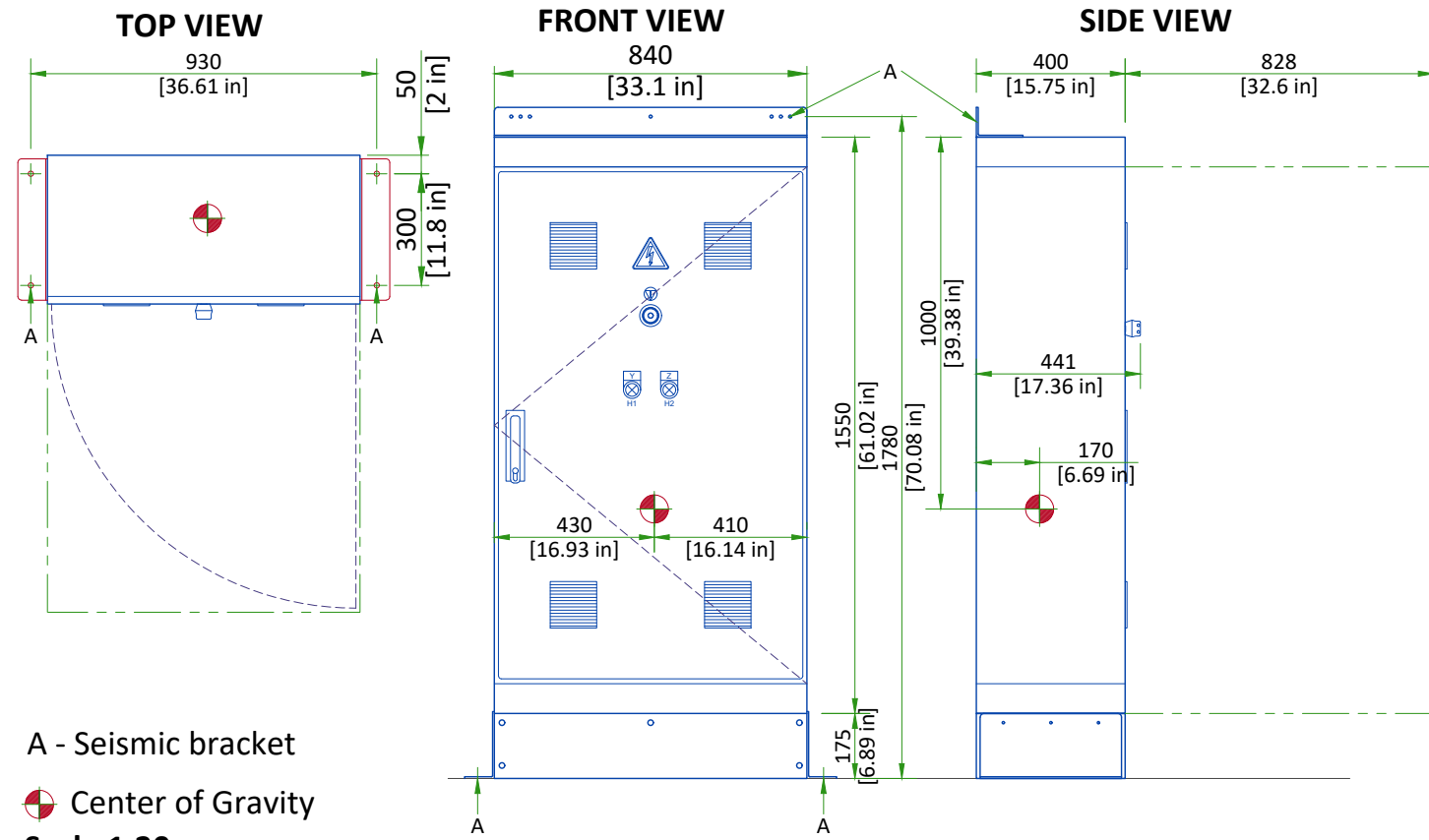
PATIENT TABLE



Center of Gravity
Scale 1:50

The Utility box under the table is not recommended for the surgical configuration.
It is forbidden to place or install objects under the head end of the table that could interfere with AGV motion.

SYSTEM INTERFACE CABINET



A - Seismic bracket
Center of Gravity
Scale 1:20

DELIVERY

THE CUSTOMER/CONTRACTOR SHOULD:

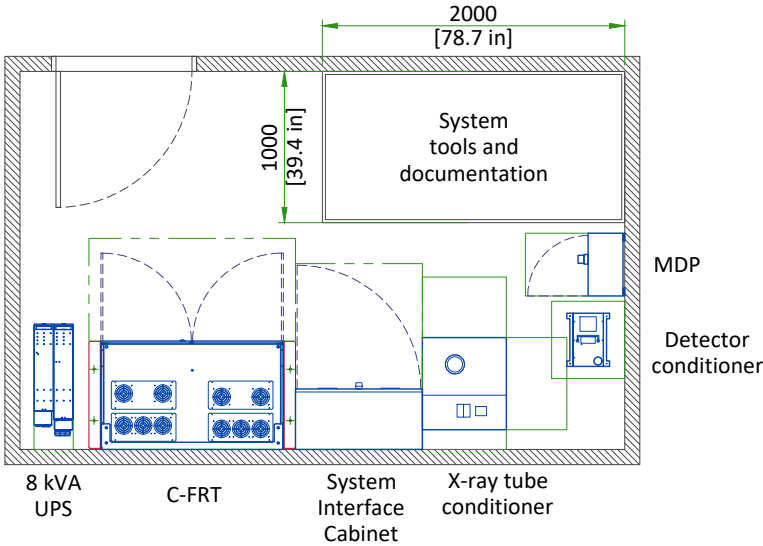
- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that 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					
EQUIPMENT	DIMENSIONS			WEIGHT	
GANTRY (SHIPPING DOLLY)	LENGTH	2890 mm	113.7 in	1100 kg	2425 lb
	WIDTH	1410 mm	55.5 in		
	HEIGHT	2060 mm	81.1 in		
TILTING TABLE (ON PALLET)	LENGTH	2150 mm	84.6 in	700 kg	1534 lb
	WIDTH	1000 mm	39.4 in		
	HEIGHT	1160 mm	45.7 in		
CMS PALLET ASSEMBLY (WITHOUT SHIPMENT PACKAGING)	LENGTH	1812 mm	71.3 in	475 kg	1047 lb
	WIDTH	923 mm	36.3 in		
	HEIGHT	1465 mm	57.7 in		
C-FRT CABINET (ON PALLET)	LENGTH	850 mm	34 in	632 kg	1393 lb
	WIDTH	1500 mm	59 in		
	HEIGHT	2200 mm	87 in		

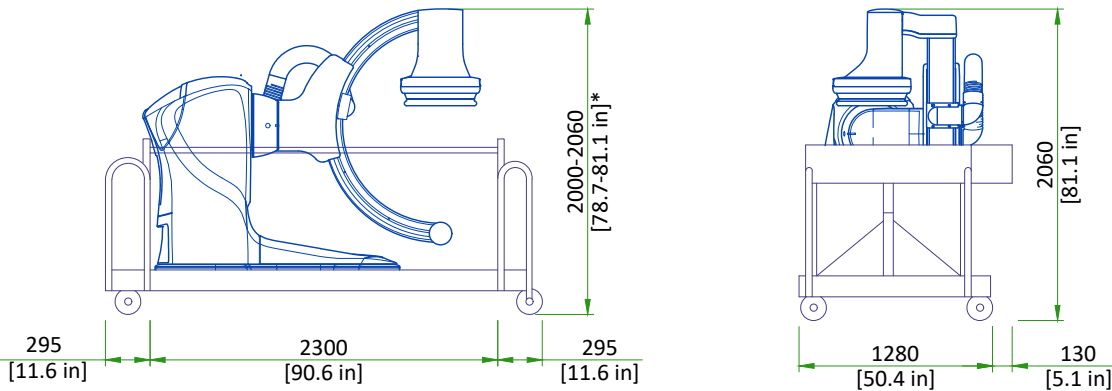
RECOMMENDED AREA IN THE TECHNICAL ROOM

THE TECHNICAL ROOM NEED EXTRA SPACE FOR TOOLS AND DOCUMENTATION

- GE recommend an extra area of 2.0 x 1.0 m (78.7 x 39.4 in) for storage of tools and documentation for the system
- This area doesn't need to be inside the technical room, but in a closer space from the system

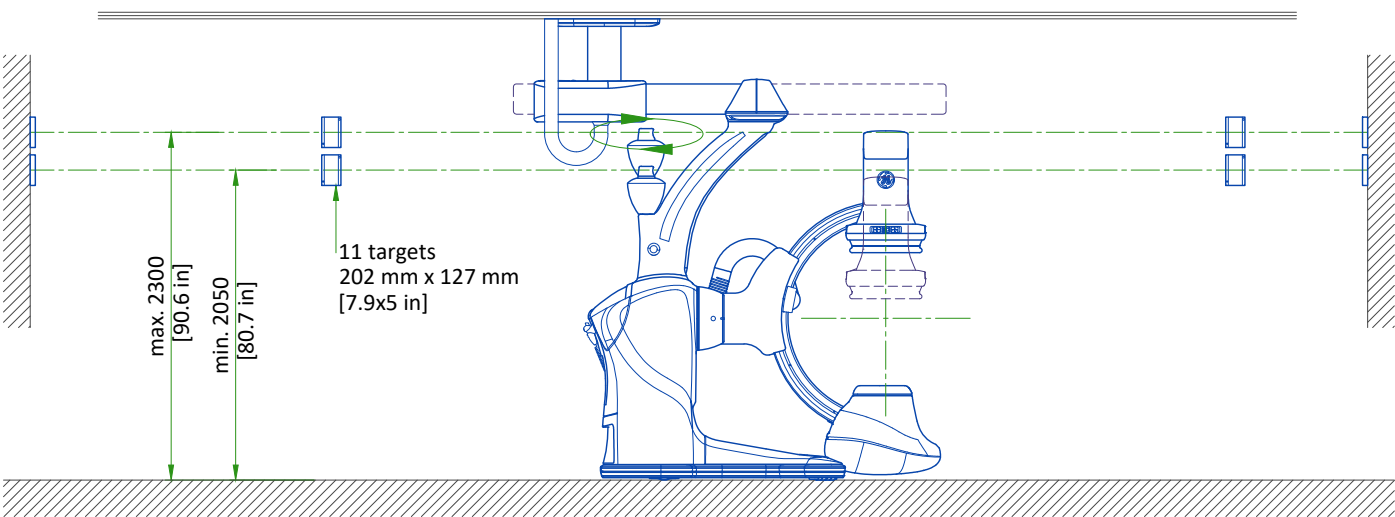


SHIPPING DOLLY FOR DISCOVERY GANTRY



DIMENSIONS			
	HEIGHT	WIDTH	LENGTH
Full configuration	2000-2060 mm [78.7-81.1 in]*	1410 mm [55.5 in]	2890 mm [113.7 in]
Left top handle removed and right top handle inside	2000-2060 mm [78.7-81.1 in]*	1280 mm [50.4 in]	2890 mm [113.7 in]
Short lifts configuration	2250 mm [83.5 in]	1280 mm [50.4 in]	2300 mm [90.5 in]
No dolly configuration	2000 mm [78.7 in]	1260 mm [49.6 in]	2150 mm [84.6 in]
NOTE	Dolly can be removed to facilitate movement of Discovery gantry in the hospital only. However, if moving the gantry without shipping dolly, there is a risk of damaging the floor surface. *Height can be adjusted: ONLY when necessary on delivery path and IF floor rolling surface is flat and levelled (no obstacle), it means dolly horizontal bars are at 80 mm from floor surface, to prevent any damage on AGV gantry wheels.		

POSITIONING TARGETS

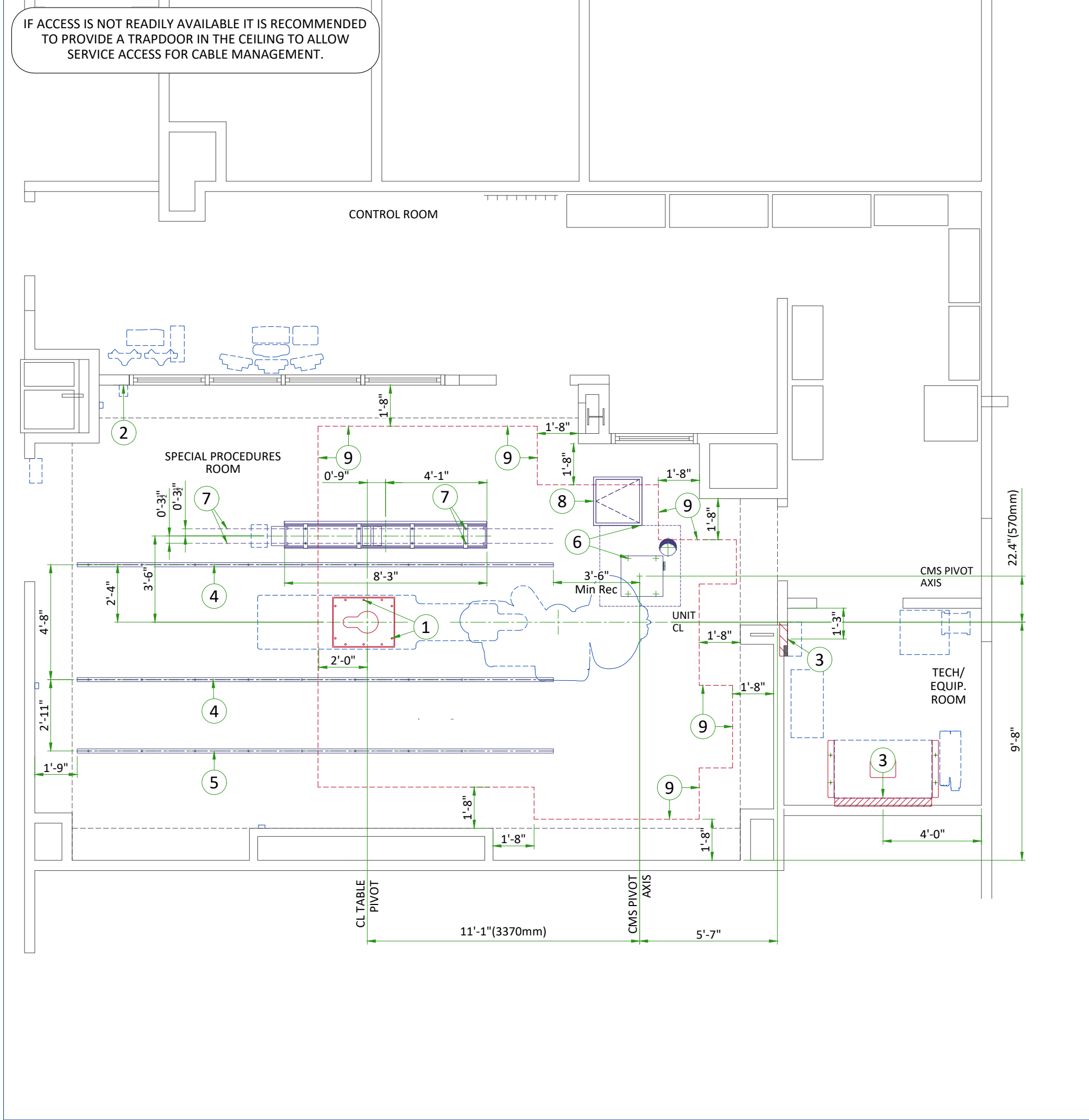


NOTE
The minimum distance between two targets is 400 mm [15.7 in] center to center.
The maximum angle between two adjacent targets is 70°.
The targets are mounted at the time of the gantry installation.
Targets should be visible to the laser source of the AGV:

- Shouldn't be mounted on movable surface (door, window, etc.).
- Shouldn't be mounted on a surface that could be hidden in operation by door or movable component.
- Shouldn't be mounted on or near a reflective surface.

STRUCTURAL NOTES

- All steel work and parts necessary to support ceiling mounted tube hanger or other equipment are to be supplied by the customer or his contractors. The structural support should run continuous with no fittings extending below face of structural support channel, run wall to wall, be parallel, square and in the same horizontal plane flush with finished ceiling. The system is to be cross braced vertically, horizontally and diagonally to allow no movement and a maximum of 1,58mm (1/16") deflection. **12,7mm (1/2") dia. X 38,1mm (1 1/2") long bolts with unistrut 12,7mm (1/2") nuts with springs are to be provided by customer or his contractors for each stationary and auxillary support rail. Closure strips shall be provided for areas of unistrut exposed and without mounting units.**
- 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 and detail sheets for suggested locations and mounting hole locations.
- 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.
- Control walls with tube hanger passage above shall be constructed to 2130mm (7'-0") high.
- Floor slabs on which equipment is to be installed must be level to 3,17mm (1/8") in 3050mm (10'-0")
- 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"



STRUCTURAL LAYOUT ITEM LIST	
(GE SUPPLIED / CONTRACTOR INSTALLED)	
1	Area occupied by GE supplied table baseplate
2	Mount X-Ray buzzer bracket on wall below ceiling
(CUSTOMER SUPPLIED / CONTRACTOR INSTALLED)	
3	Support backing, locate as shown.
4	Structural support in ceiling for fastening ceiling supported equipment. Supports to run continuous with no fittings extending below face of channel, run wall to wall, be parallel, square, and in the same horizontal plane, flush with the finished ceiling. Rails are mounted to these supports every 2'-2" and require 350 lbs. (597 lbs. In seismic regions) per bolt load. Methods of support that permit attachment to structural steel or through bolts in concrete should be favored. Do not use screw anchors in direct tension.
5	>>Components flush with ceiling<< Structural support in ceiling for fastening cable drape rail. Supports to run continuous with no fittings extending below face of channel, run wall to wall, be parallel, square, and in the same horizontal plane, flush with the finished ceiling. Rails are mounted to these supports every 2'-2" and require 50 lbs. Per bolt load. Methods of support that permit attachment to structural steel or through bolts in concrete should be favored. Do not use screw anchors in direct tension.
6	Customer supplied plate (See structural detail [Sheet S4])
7	Structural supports for fastening the overhead counterpoised suspension. Support to be located as shown. Suspension boom requires 102 lbs/bolt support. Methods of support that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use screw anchors in direct tension.
8	600 x 600 [24" x 24"] Service access in ceiling
9	Floor specification control area for vinyl flooring. Refer to Exam Room Floor Specifications detail on page S3.

EXAM ROOM FLOOR SPECIFICATION

IMPORTANT

- The Allia IGS system is compatible with a floor in vinyl, which consists in **Self-Levelling Underlayment (SLU) + Flooring adhesive (glue) + Vinyl**
- (Bare) Floor preparation and vinyl flooring application falls under Customer’s responsibility
 - Application of each product (SLU, glue, vinyl sheet) must be done as per product Manufacturer’s recommendations
 - Finished Vinyl floor must be protected by Contractor. These protections will maintain floor integrity and allow heavy load traffic during system delivery and install
 - Control reports must be provided by Contractor and archived by PMI for all Acceptance specifications listed below (This page can be used as the report)

SUBSTRATE CONCRETE/SUBFLOOR

Table 1. FLOOR ACCEPTANCE FOR SUBSTRATE (before vinyl flooring system)		
Controls	Specifications	Results
PULL-OFF STRENGTH (i.e. Elcometer Adhesion tester)	> 1.5 MPa [> 218 PSI]	
HARDNESS (i.e. Schmidt Hammer Sclerometer)	> 20 MPa [> 3000 PSI]	

SLU SPECIFICATION:

- Compressive strength > 20 MPa , or Class >C20 (> 3000 PSI)

Table 2. FLOOR ACCEPTANCE FOR SLU (before vinyl application)		
Controls	Specifications	Results
PULL-OFF STRENGTH (i.e. Elcometer Adhesion tester)	> 1.5 MPa [> 218 PSI]	
HARDNESS (i.e. Schmidt Hammer Sclerometer)	> 20 MPa [> 3000 PSI]	
SLU THICKNESS on the whole surface until 1m from the walls	> 3 mm [> 1/8 in]	
LEVELNESS on the whole surface until 1m from the walls	< 1 mm/m [< 1/8 in over 10 ft]	
FLATNESS on the whole surface until 1m from the walls	< 6 mm under 2 m straightedge [< 1/4 in under 10 ft straightedge]	

FLOORING ADHESIVE:

- It must be one of those recommended by the Vinyl manufacturer for heavy load (ie hospital beds, heavy traffic)
- For conductive floor (if required by Customer), copper strips can be added In this layer, they should not cross Allia IGS traffic area – for example, they can be located close to the walls

Optional measurement	Records
Conductivity	

VINYL:

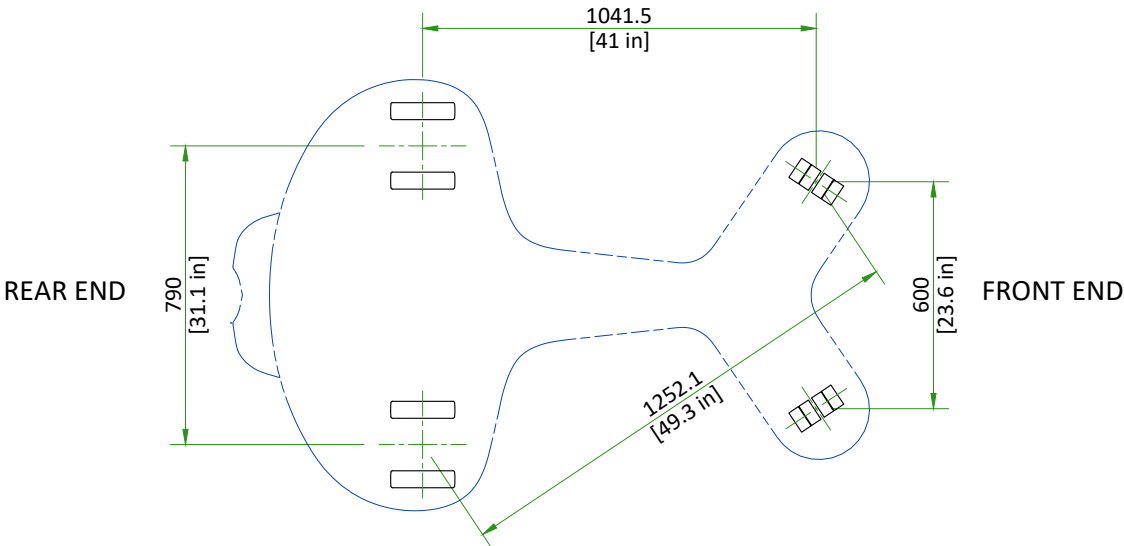
- Seams processed as per Manufacturer recommendations
- No specific requirement on seams position
- Avoid seams as much as possible in gantry movement area
- DOC2499483 - List of Vinyl products compatible with Allia™ IGS system. Latest version of this list is available on Customer Documentation Portal: www.gehealthcare.com/documentationlibrary

Vinyl reference used :		References of all materials used :	
☐	Medintone (Armstrong)	☐	Primer for SLU
☐	Biospec MD (Mannington)	☐	SLU
☐	IQ Toro SC (Tarkett)	☐	Glue
☐	IQ Optima (Tarkett)		
☐	Acczent Excellence 4 (Tarkett)		
☐	Acczent Excellence 80 (Tarkett)		
☐	Acczent / Acczent Flourish (Tarkett)		
☐	Linha Flourish (Tarkett)		
☐	Mipolam Biocontrol EL5 (Gerflor)		
	(either conductive or static-dissipative references)		

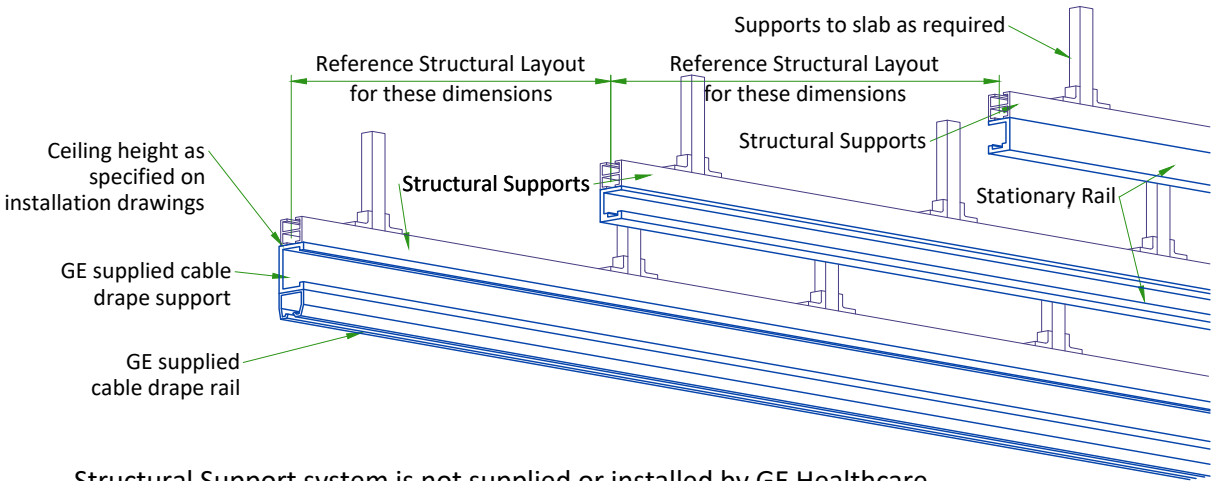
(either conductive or static-dissipative references)

GANTRY WEIGHT

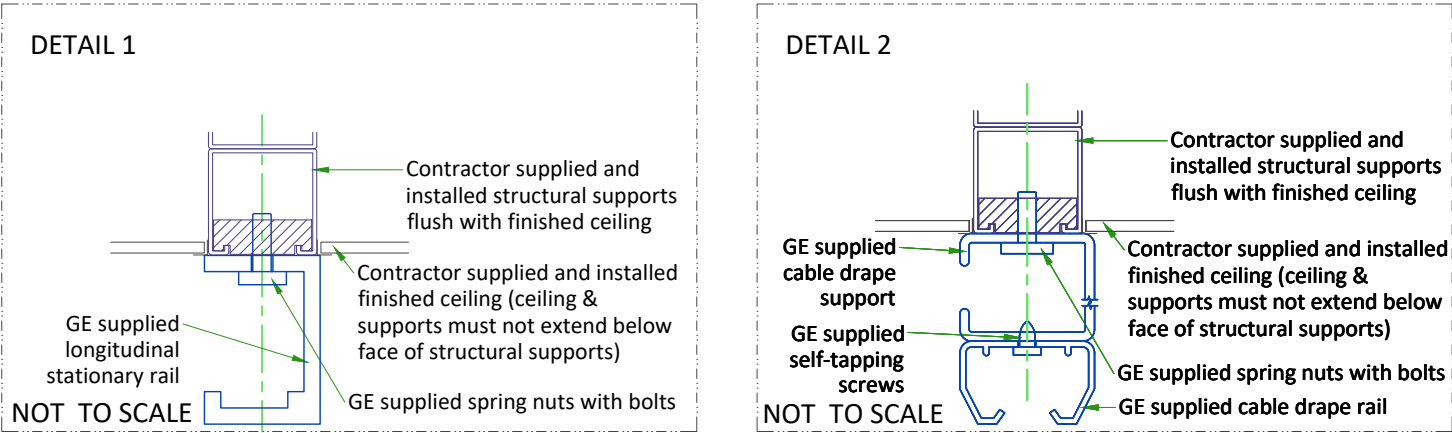
COMPONENT	NET WEIGHT		WEIGHT/OCCUPIED AREA
	TOTAL WEIGHT (IGS 730)	990 kg [2183 lb]	
	TOTAL WEIGHT (IGS 740)	1000 kg [2205 lb]	
	REAR MAX ISOLATED LOAD	400 kg [882 lb]	
GANTRY	FRONT MAX ISOLATED LOAD	340 kg [750 lb]	8.1 MPa [1175 lb/in²]



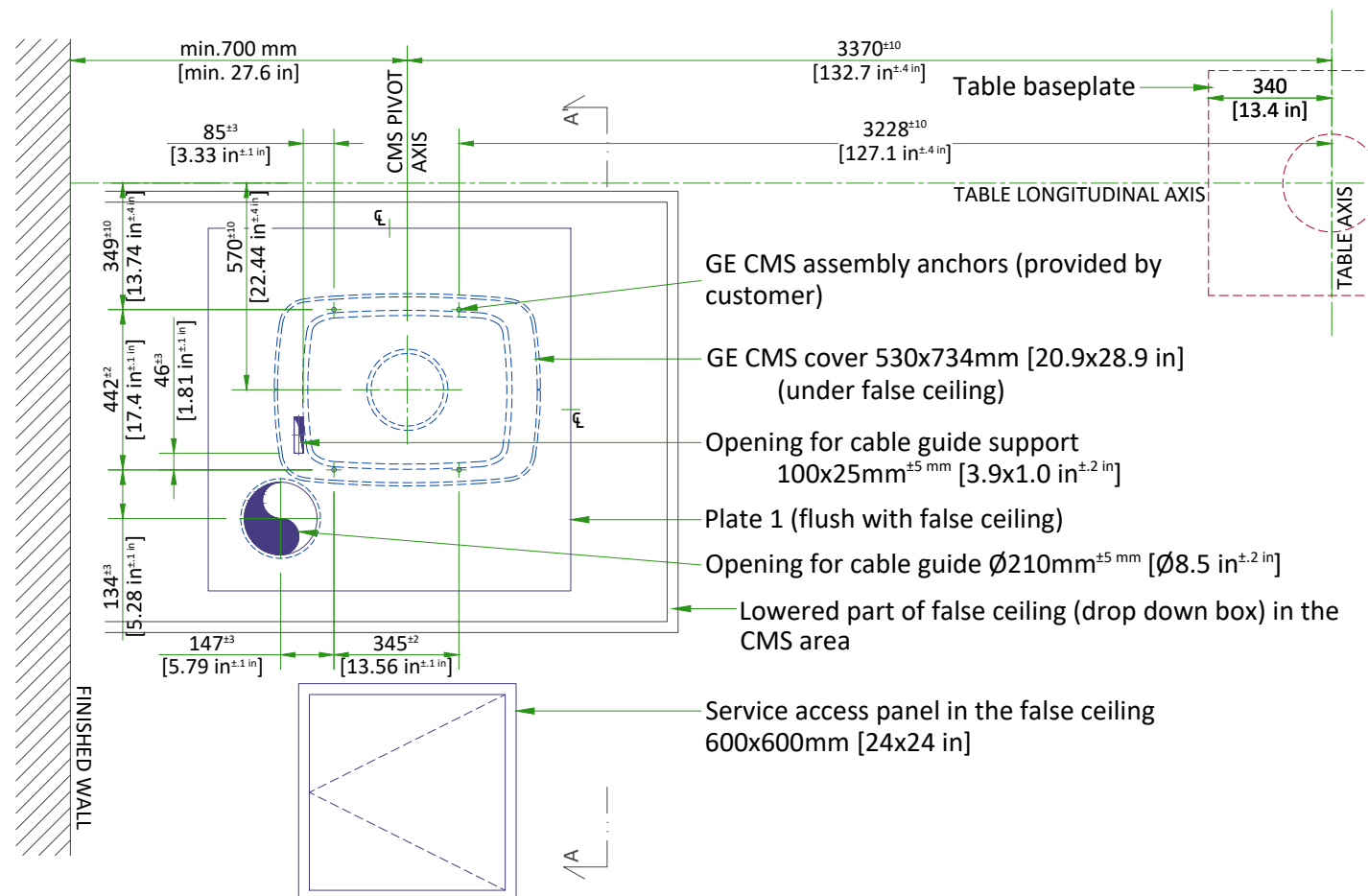
XT RADIOGRAPHIC SUSPENSION, INBOARD MOUNTING



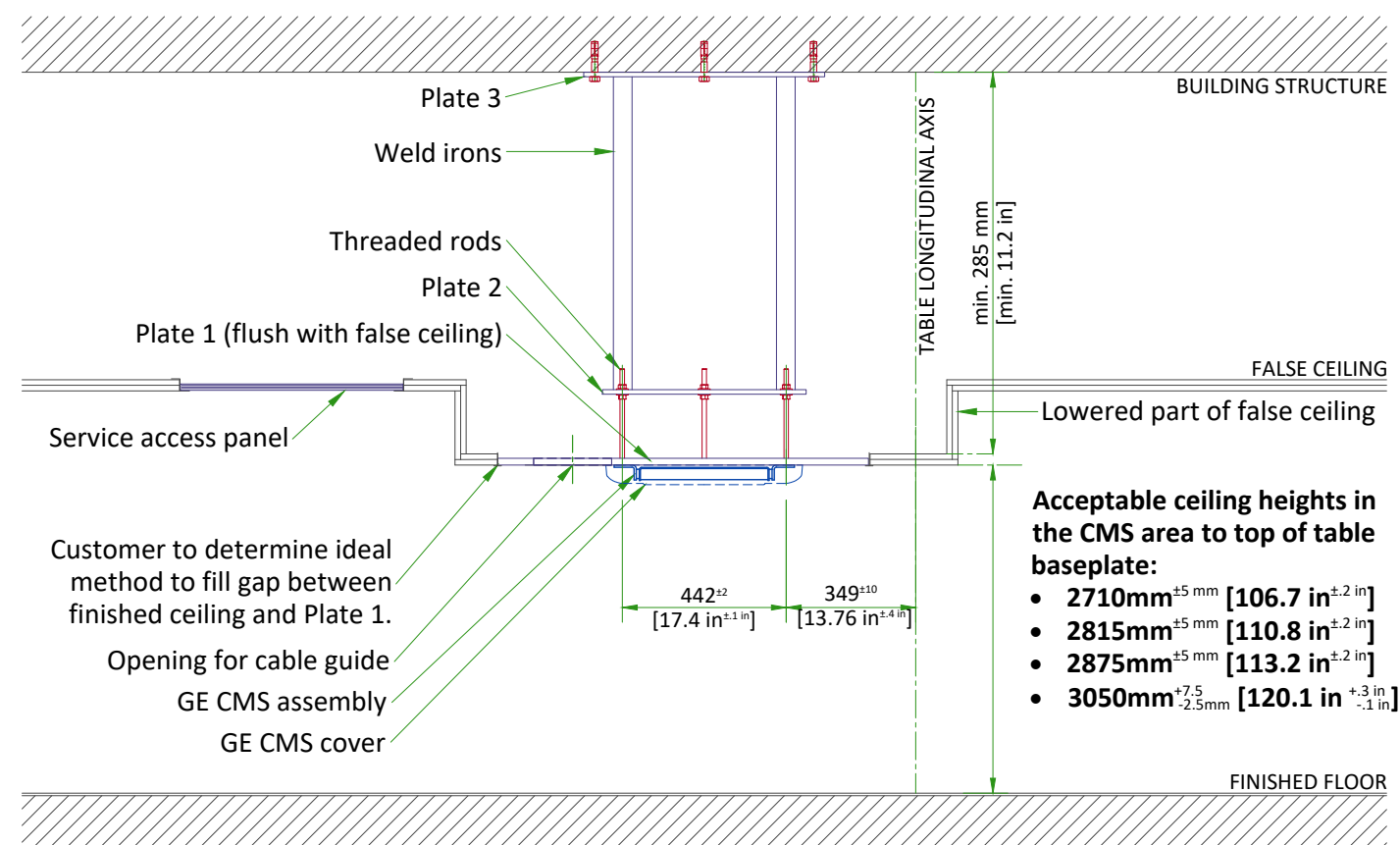
Structural Support system is not supplied or installed by GE Healthcare



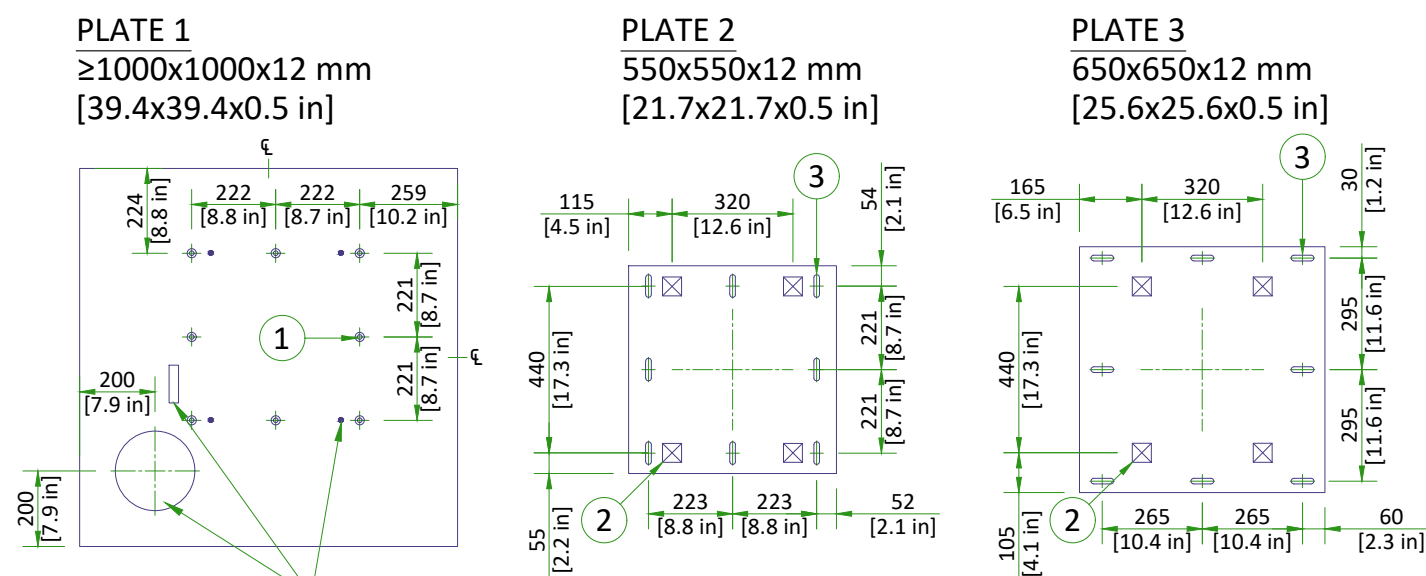
CABLE MANAGEMENT SYSTEM (CMS) CEILING PLAN



SECTION A-A'



CUSTOMER SUPPLIED CMS SUPPORT PLATE DETAILS



Refer to ceiling plan above for dimensions of CMS anchors, cable guide, and cable guide support.

LEGEND

- (1) Qty 8 hardened threaded rods (double nut adjustable to plate 2)
- (2) Qty 4 Weld irons or equivalent (weld & grind flush to plate 2 and 3)
- (3) 15x60mm [5/8x2.4 in] slotted adjustable opening

NOTES

HARDWARE INFORMATION

All hardware to be provided by customer and verified by a qualified structural engineer.

Recommended fasteners are listed below:

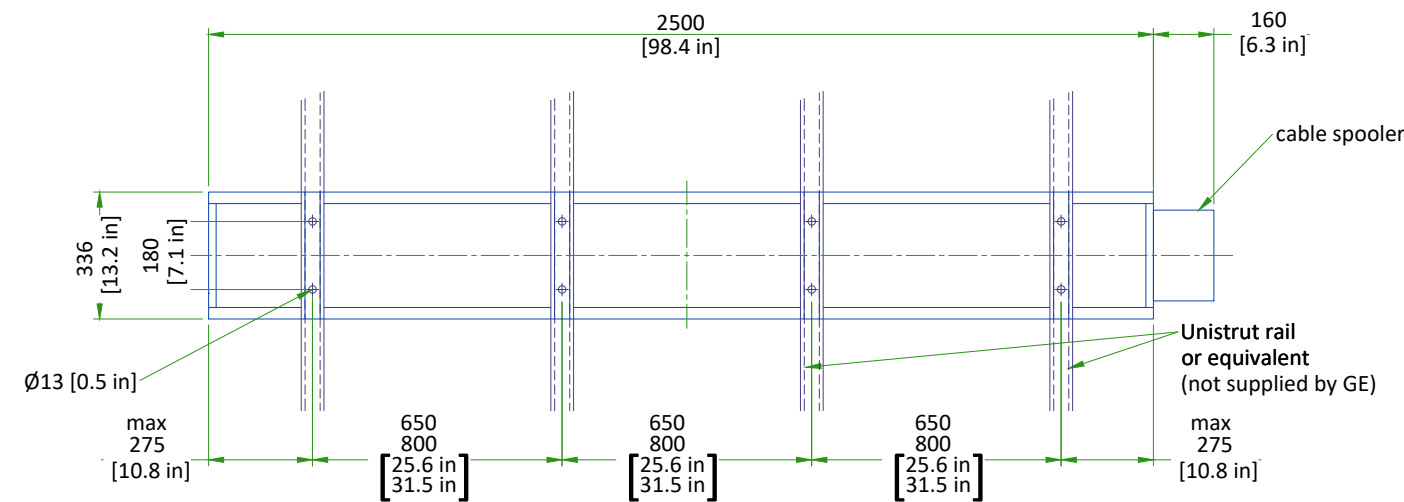
- (1) Plate 1 to GE CMS assembly: Qty 4 M12 [1/2 in] class 8.8 anchors, Qty 4 NORD-LOCK washers.
Max. axial effort = 153 daN
Max. shear force = 12.5 daN
- (2) Plate 1 to Plate 2: Qty 8 M12 [1/2 in] hardened threaded rods
- (3) Plate 2 to Plate 3 Qty 4 50x50mm [2x2 in] weld irons or equivalent
- (4) Plate 3 to building structure: Qty 8 M12 [1/2 in] anchors (or larger)

IMPORTANT NOTES

- **Cable Management System (CMS) support structure depicted on this page is only a typical example.**
- The CMS support structure shall be designed by a structural engineer and is installed by the customer/contractor. Final design of structure may differ from this page. Refer to documentation provided by structural engineer.
- No elements (lighting, vent, smoke detector etc.) shall protrude below the false ceiling.
- Special attention is required to ensure that the CMS Pivot Axis is the main installation reference point and not the center of Plate 1.

MAVIG SUSPENSION MOUNTING METHOD

2.5m CEILING TRACK

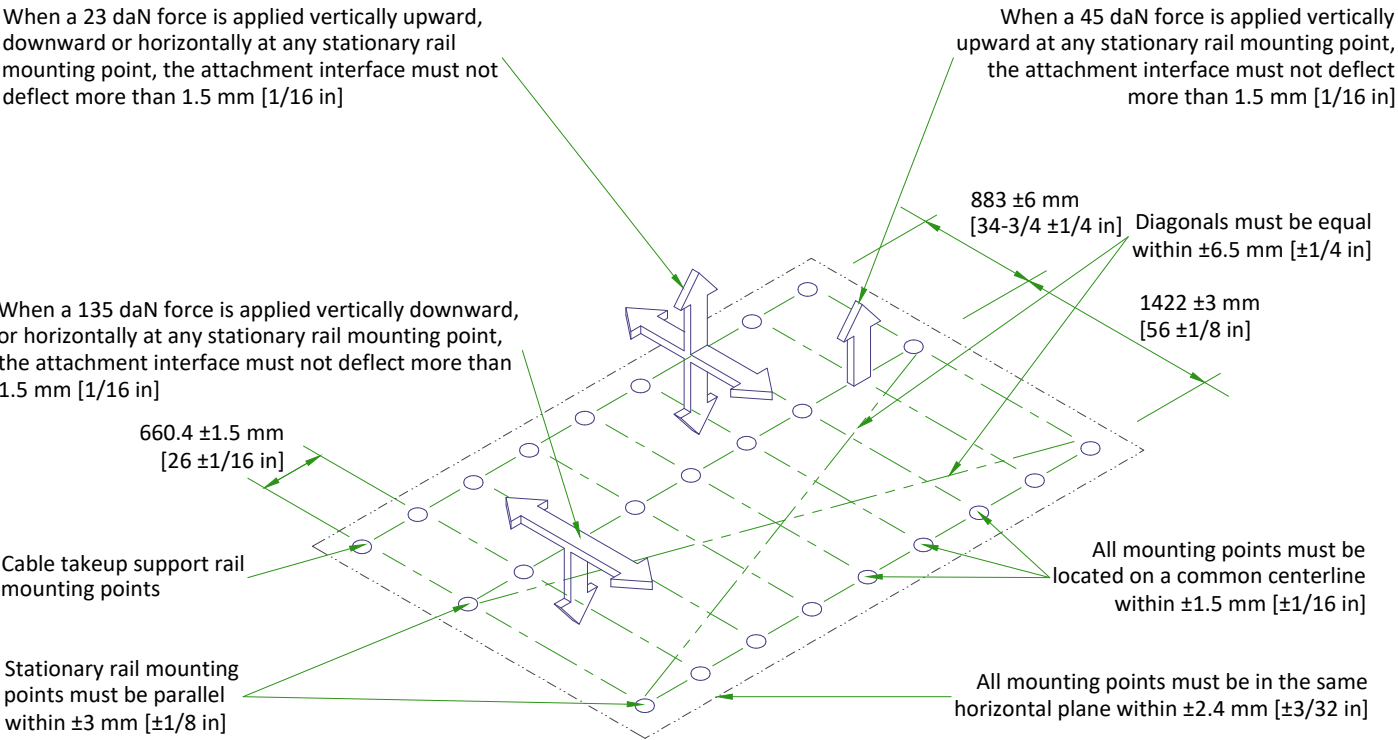


- Weight up to: 94 kg [207 lb] (75 kg [165 lb] system + 19 kg [42 lb] track)
- The required factor of safety is "4" for attaching to Unistrut or equivalent rails and "6" for attaching to the concrete ceiling.

CONSULT MAVIG INSTALLATION MANUAL REV: POR03001 TO DESIGN AND MOUNT THE CEILING SUPPORT.

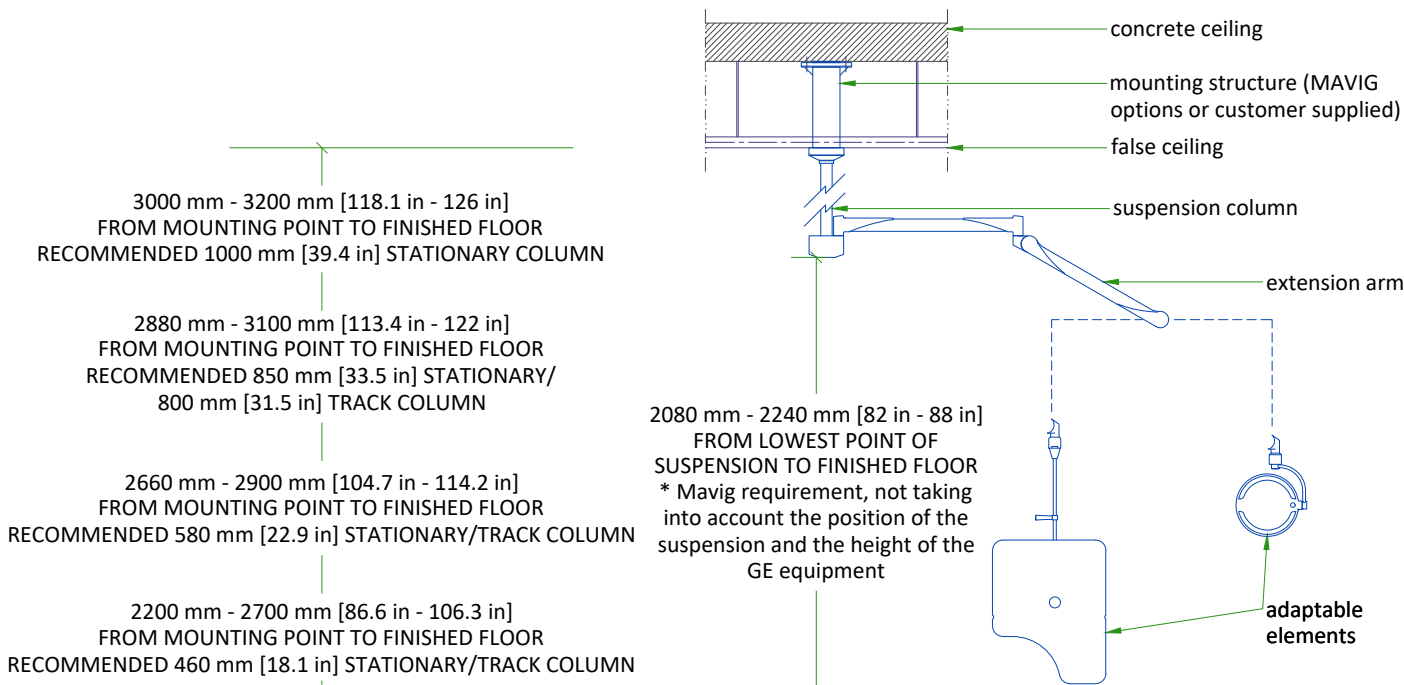
SCALE 1:20

MONITOR SUSPENSION RAIL MOUNTING SPECIFICATIONS



Each stationary rail must be mounted by bolts supplied or by 12 mm [1/2 in] as metric bolts. The maximum load per bolt must not exceed 1557 N [350 lbs] and each mounting bolt must not "PULL OUT" or otherwise fail under a vertically downward dead load of 6228 N [1400 lbs].

SUSPENSION COLUMN LENGTHS AND INSTALLATION DETAILS



- Available column lengths might differ, please refer to the GE commercial catalog for current selection options
- For rooms with higher mounting point than 3200 mm [126 in], a ceiling construction between structural ceiling and vertical column is suggested which needs to be designed by a structural engineer
- All design and pre-installation activity must be done in accordance of the MAVIG Installation manual
- Contact your GE Project Manager for OEM documentation
- Installation of mounting plate performed by GE or a GE sub-contractor

NOT TO SCALE

CEILING SUSPENSION DISCLAIMER

Safety and precautionary comments:

Only qualified, licensed technicians can perform electrical connections, installation, removal and repair. It is strongly recommended that at least two persons perform the installation.

Installing the system: Prior to installation, a structural engineer must confirm that the mounting structure is strong enough to provide proper support for the entire system and any attached end devices. Installation must be completed according to local building codes.

Determination of required installation hardware and torque values for installation of the ceiling column and ceiling track is the sole responsibility of the structural engineer.

Ceiling mounted systems must be installed properly. Failure to follow the instructions provided may lead to a potentially dangerous and unstable condition of the system.

GE and/or MAVIG is not responsible for unauthorized modifications made to the system or use of the system for unintended purposes. GE and/or MAVIG cannot be held liable for improper operation and modifications. Since improper modifications may impair proper operation, safety or reliability of the system, product modifications require written authorization from MAVIG.

Under GE responsibility or under Customer responsibility, for all pre-installations, whatever is the supporting structure (bridge, chair, Unistrut channel, other channels, direct anchorage in concrete, transversal beam, etc. ...) a certificate must be obtained from a structural engineer.

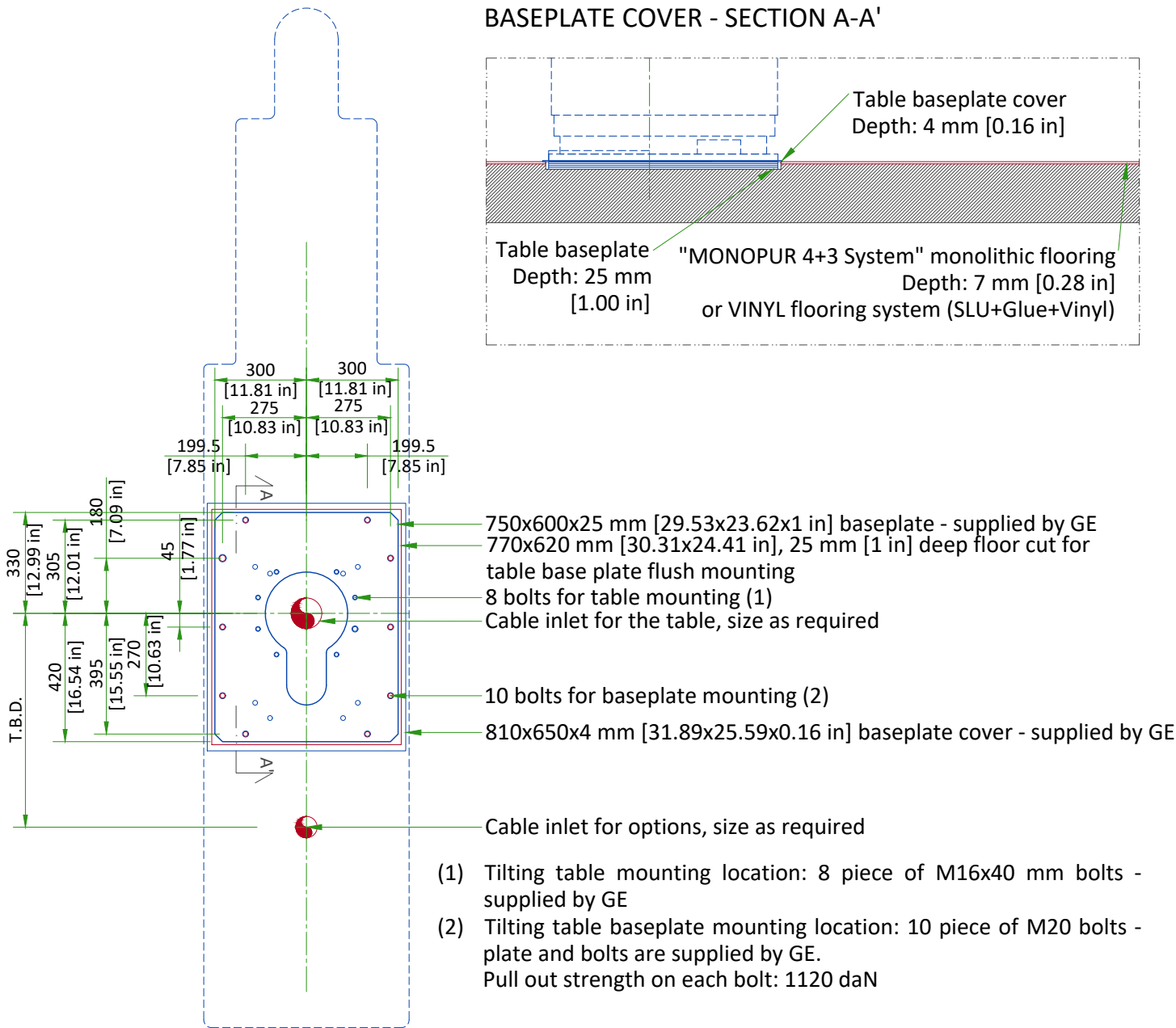
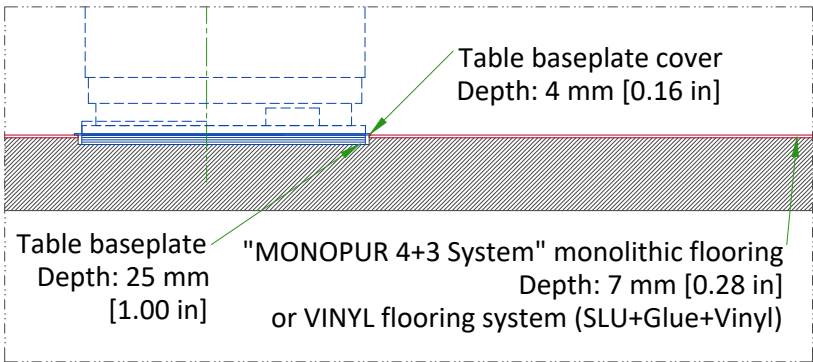
This certificate shall include the definition of fasteners and of their tightening torque, especially for the non-standard cases described in MAVIG PIM and for which the standard anchoring/screws delivered with product shall not be used but shall be defined (and implemented in most cases) by the structural company.

WARNING:

It is prohibited to alter the length of the ceiling column or remove any securing screws.

TABLE MOUNTING WITH TABLE BASEPLATE

BASEPLATE COVER - SECTION A-A'



BASEPLATE MOUNTING REQUIREMENTS

- The maximum pullout force per provided anchor was calculated assuming:
 - A concrete compression strength of **30 MPa** at 28 days (which is the minimum required compression strength).
 - Anchors installed to the required hole depth of **165.1 mm [6.50 in]** minimum.
 - The distance between the center of anchor hole and the edge of the concrete is **79.4 mm [3.13 in]**.
- Make sure to obtain data on compression strength of the concrete before using floor anchors.
- Chemical anchors can be used as well: HILTIHVU adhesive capsule + HAS Anchor rod.
- The fixation screws shall not jut out of the table baseplate, plate has to be level.

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM			TECHNICAL ROOM		
	Min	Recommended	Max	Min	Recommended	Max	Min	Recommended	Max
Temperature	15 °C [59 °F]	20 °C [68 °F]	32 °C [90 °F]	15 °C [59 °F]	20 °C [68 °F]	35 °C [95 °F]	15 °C [59 °F]	20 °C [68 °F]	25 °C [77 °F]
Temperature gradient	≤ 10 °C/h			≤ 10 °C/h			≤ 10 °C/h		
RH (1) non condensing	20% to 70%			20% to 75%			20% to 75%		
Humidity gradient	≤ 10%/h			≤ 10%/h			≤ 10%/h		

STORAGE CONDITIONS

Temperature	+10 °C [50 °F] to +40 °C [104 °F]
RH (1) non condensing	10% to 80%
Pressure	700 hPa to 1030 hPa
Overall storage time shall be less than 6 months.	

(1) Relative humidity

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.

8 kVA UPS

Systems with 8 kVA UPS shall be stored for less than 14 weeks if the storage temperature is above +30°C [86°F], and less than 25 weeks if storage temperature is above +25 °C [77°F].

HEAT DISSIPATION

ROOM	DESCRIPTION	HEAT OUTPUT (kW)				HEAT OUTPUT (BTU/hr)			
		STAND BY	MODERATE ¹	TYPICAL ²	MAX ³	STAND BY	MODERATE ¹	TYPICAL ²	MAX ³
Exam room	Gantry and table	0.41	0.55	0.89	1.62	1399	1877	3037	5528
	Large Display Monitor (LDM) with 2 backups	0.10	0.10	0.10	0.10	341	341	341	341
	TOTAL	0.51	0.65	0.99	1.72	1740	5869	3378	5869
Control room	DL console and live monitor	0.10	0.10	0.10	0.10	341	341	341	341
	Advantage Workstation (AW)	-	-	-	1.00	-	-	-	3412
	TOTAL	0.10	0.10	0.10	1.10	341	341	341	3753
Technical room	C-FRT Cabinet	0.70	1.02	1.53	2.16	2388	3480	5221	7370
	System Interface Cabinet	0.50	0.50	0.50	0.50	1706	1706	1706	1706
	Tube Conditioner	2.53	4.49	5.49	6.93	8633	15321	18733	23646
	Detector Conditioner	0.21	0.21	0.21	0.21	717	717	717	717
	UPS 8 kVA	0.52	0.52	0.52	0.52	1760	1760	1760	1760
	TOTAL	4.46	6.74	8.25	10.32	15204	22984	28137	35199
WARNING The list contains only the principal components of the system and doesn't contain any non-GE supplied equipment.									
¹ Moderate Use corresponds to 8 cases in 10 hours.									
² Typical Use corresponds to 11 cases in 10 hours.									
³ Maximum Use is maximum peak power during exam.									

CONNECTIVITY REQUIREMENTS

Service Connectivity for new systems will be based on the Insite-RSvP Platform which allows to configure a direct Internet connection to the RSvP Server (routers/VPN tunnel no more mandatory). Communication with the RSvP server will be outbound only and require using Transport Layer Security (TLS) over TCP port 443. This is commonly known as an HTTPS (HTTP-Secure) connection.

There will be several ways to connect the system to the RSvP Enterprise Server. See below the main options that might not be all available or authorized at your site depending on actual network constraints or local regulations.:

- The system allows for DNS configuration or proxy server-based connection to the Internet.
- Connection thru a GE Proxy will be possible in the future.
- In the case the customer does not accept the above connection protocol or regulatory reasons prevent using these types of configurations, the local/regional connectivity teams can provide help to connect through SSL/TLS proxy IP over the site-to-site VPN.

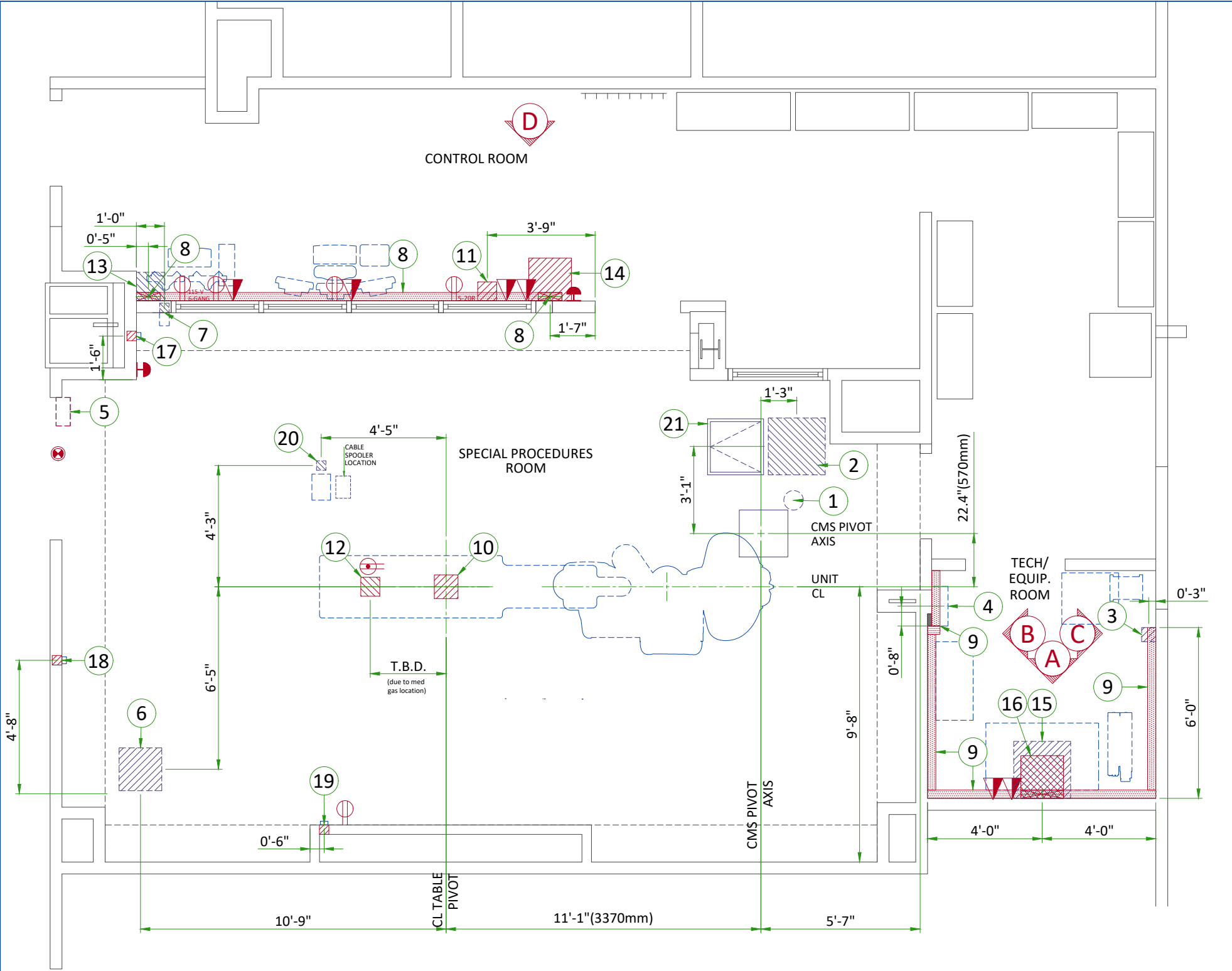
To make the system connectivity operational before the system installation is finished, ensure the connectivity solution is defined as early as possible during the pre-installation process and proper information are exchanged between the customer Network Administrators and GEHC Sales and/or Service representatives.

For more information please refer to the latest version of the Pre Installation Manual.

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.



Cable Length Note:

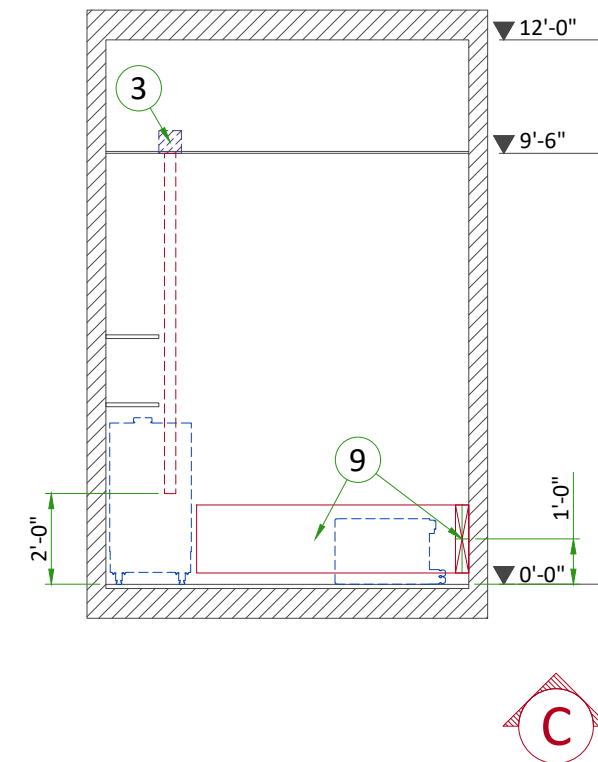
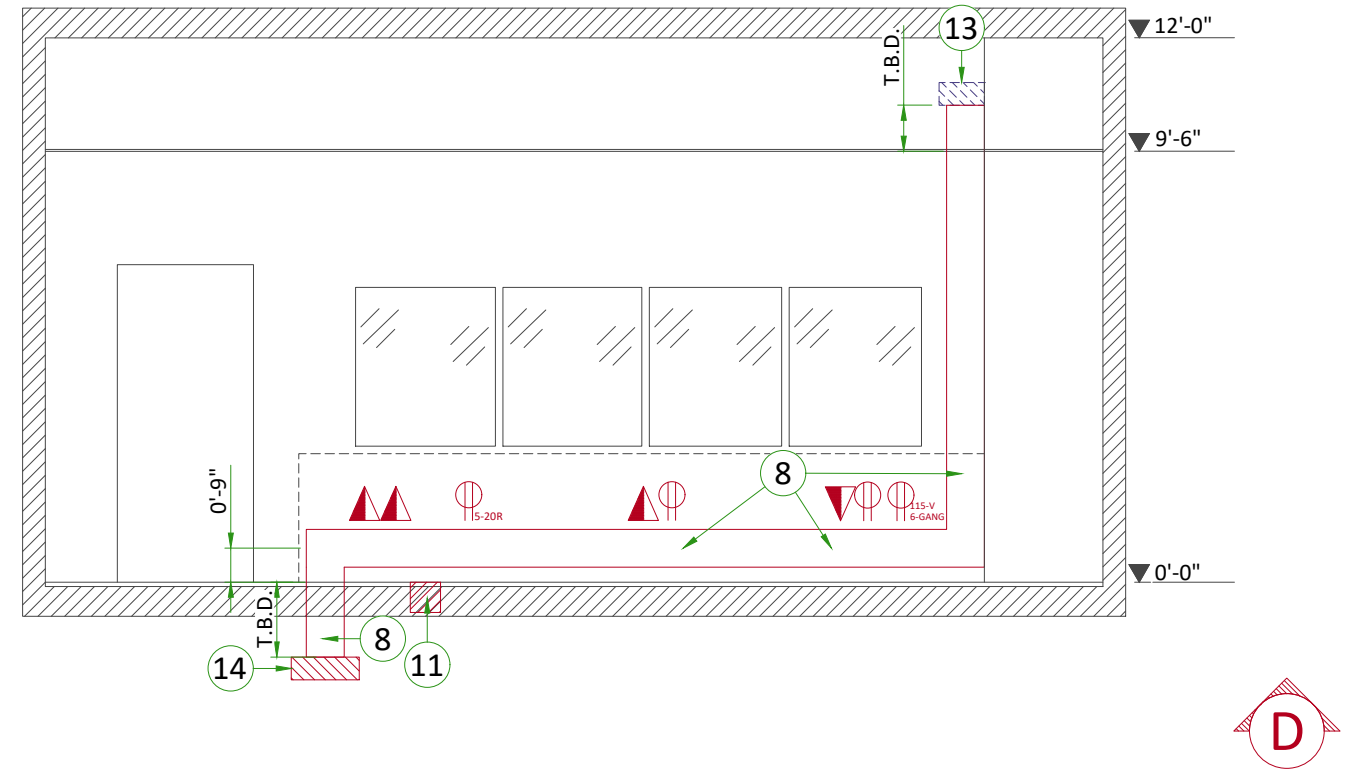
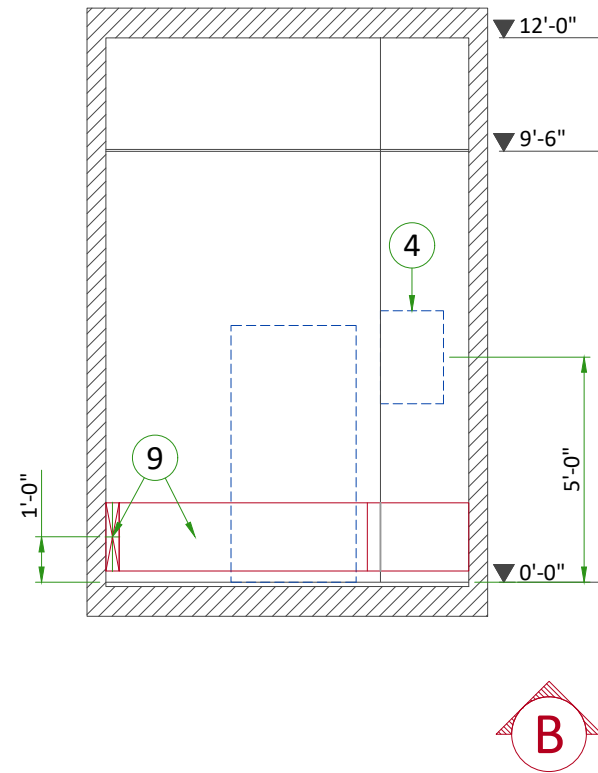
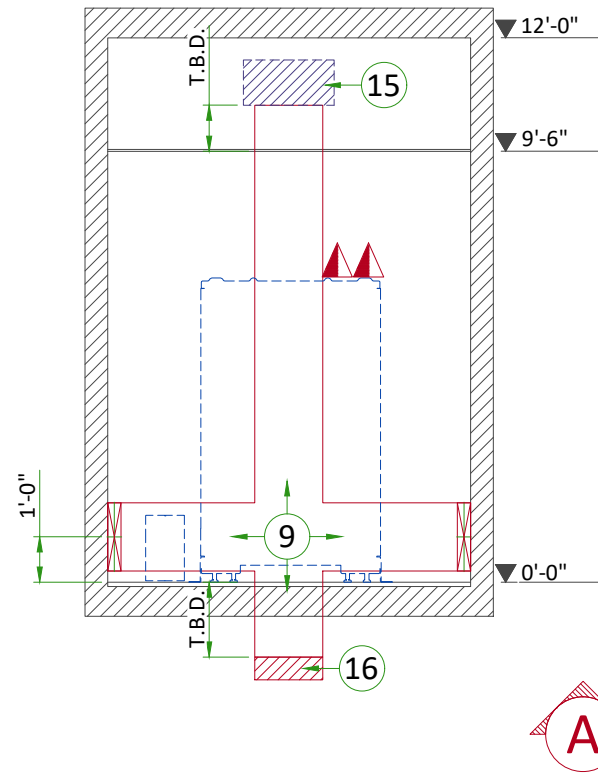
Routing of cable ductwork, conduits, etc., **must run direct as possible.** (refer to the interconnection diagram for maximum usable lengths point to point).

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)
		X-Ray ON lamp (L1) - 24 V
		Duplex hospital grade, dedicated wall outlet 120-v, single phase power
		Network outlet
		Duplex hospital grade, dedicated outlet 120-v emergency, single phase power, 15a
		6-Gang hospital grade, dedicated wall outlet 115-V, single phase power
		5-20R NEMA Receptacle, dedicated outlet 120-v, single phase power

Item	Electrical Layout Item List
1	Cable management system (CMS)
2	24"x24"x12" [600 x 600 x 300] box above ceiling in exam room
3	6"x6"x6" [150 x 150 x 150] flush ceiling box ceiling for waterlines 3" [75] pipe to 24" [600] above finish floor for waterlines
4	Main disconnect panel (MDP)
5	Light signaling control box
6	18"x18"x6" [450 x 450 x 150] flush ceiling box with split coverplate (monitors)
7	4"x4"x4" [100 x 100 x 100] flush box 12" [300] below finished ceiling (X-ray buzzer)
8	10" x 3 1/2" [250 x 89] surface wall duct with minimum 2 dividers
9	18" x 3 1/2" [450 x 89] surface wall duct with minimum 2 dividers
10	8" x 8" x 6" [200 x 200 x 150] box below floor (table)
11	8" x 8" x 6" [200 x 200 x 150] box below floor (patient monitoring equipment)
12	8" x 8" x 6" [200 x 200 x 150] box below floor under table (PDM/TRAM)
13	12"x12"x6" [300 x 300 x 150] box above ceiling in control room
14	18" x 18" x 6" [450 x 450 x 150] box below floor in control room
15	24"x24"x12" [600 x 600 x 300] box above ceiling in technical/equipment room
16	18"x18"x6" [450 x 450 x 150] box below floor in technical/equipment room
17	4"x4"x4" [100 x 100 x 100] flush box with single gang mud ring (V-point #1), See electrical detail on sheet E4 for height.
18	4"x4"x4" [100 x 100 x 100] flush box with single gang mud ring (V-point #2), See electrical detail on sheet E4 for height.
19	4"x4"x4" [100 x 100 x 100] flush box with single gang mud ring (AW wireless mouse), 36"-42" A.F.F.
20	4"x4"x4" [100 x 100 x 100] ceiling box (LED lamp transformer)
21	24"x24" [600 x 600] service access panel in ceiling

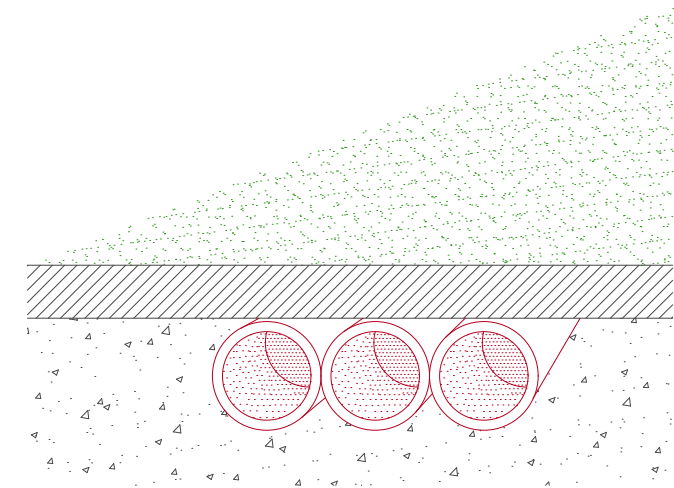
Additional Conduit Runs (Contractor Supplied and Installed)

From (Bubble # / Item)	To (Bubble # / Item)	Qty	Usable length	Size (in)
2 Cable Management System	15 CFRT Cabinet	2&2	45 ft.	4 & 3
10 Table	16 CFRT Cabinet	1	74 ft.	4
14 Control Room	16 CFRT Cabinet	1&2	64 ft.	3½" & 2½"
3 Water Line	1 Cable Management System	1	45 ft.	3
5 Light Signaling Electrical Box	Warning light	1	-	½
5 Light Signaling Electrical Box	15 System Interface Cabinet	1	-	½
5 Light Signaling Electrical Box	120-V 1 phase power	1	-	As Req'd
20 LED Transformer	Spooler	1	-	As Req'd
20 LED Transformer	120-V 1 phase power	1	-	As Req'd
LED Lamp	Spooler	1	-	Cables come with spooler
7 X-Ray Buzzer	15 CFRT Cabinet	1	98 ft.	1½
7 X-Ray Buzzer	13 Control Room	1	98 ft.	1½
6 Monitor Bridge / Boom	13 Control Room	1	88 ft.	2½
6 Large Display Monitor	15 CFRT Cabinet (LDM server)	1	92 ft.	3&¾
16 CFRT Cabinet (LDM server)	14 Control Room	1	64 ft.	3
16 CFRT Cabinet (LDM server)	12 TRAM/PDM	1	-	3
15 System Interface Cabinet	Emergency off	1	-	½
15 System Interface Cabinet	Emergency off	1	-	½
4 Main Disconnect Panel	9 System Interface Cabinet	1	14-44 ft.	1
4 Main Disconnect Panel	480-V 3 phase power	1	-	As Req'd
10 Table	12 TRAM/PDM	1	-	3
11 Patient Monitoring Console	6 Monitor Bridge / Boom	1	-	3
11 Patient Monitoring Console	12 TRAM/PDM	2	-	3
19 AW Wireless Mouse	13 Advantage Workstation	1	-	1
17 V-Point (#1)	15 CFRT Cabinet	1	100 ft.	1½
18 V-Point (#2)	15 CFRT Cabinet	1	100 ft.	1½

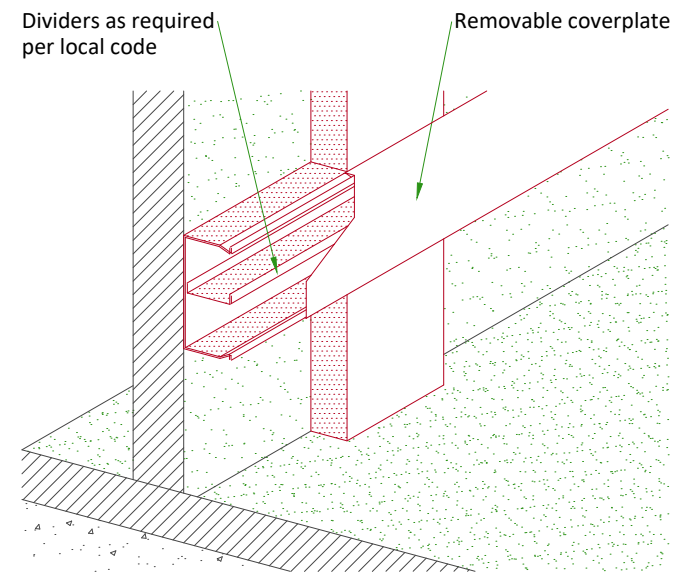


TYPICAL CABLE MANAGEMENT

CONDUIT IN THE FLOOR

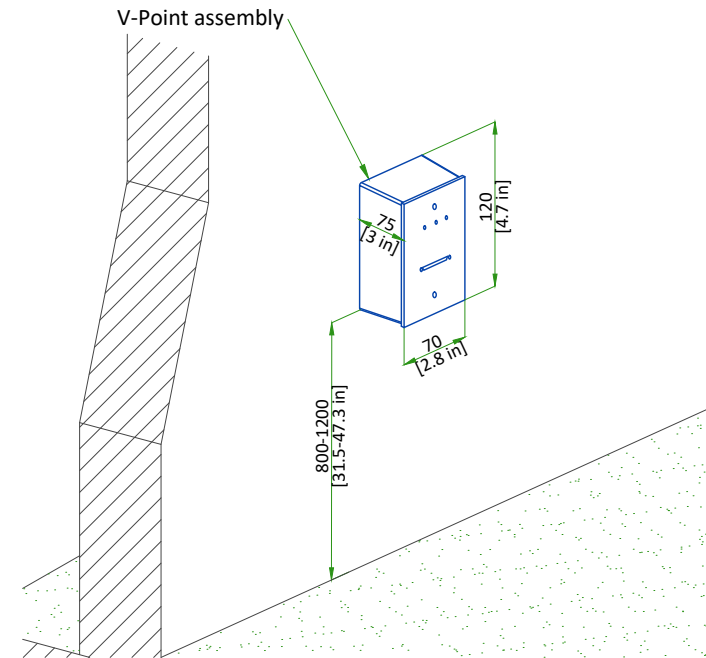


WALL DUCT



NOT TO SCALE

V-POINT



V-POINT INSTALLATION

- The V-Point is provided with a box that allows the installation on walls. **It is mandatory to install the V-Point with its box.**
- The V-Point should be near an electrical distribution such as a cable tray or technical sheath, otherwise provide one to route cables towards the floor or the ceiling.
- Cable path trough the V-Point wall box can be located on one of the four sides of the box or on the back of the box.
- The V-Point wall box is attached on the wall with four screws and four flat washers. (The V-Point screws and washers are not provided with the kit. They should be provided under customer responsibility.)

	V-POINT
FIXATION	To the wall
QUANTITY IN EXAM OR CONTROL ROOM	up to 3
INSTALL HEIGHT FROM FINISHED FLOOR	800-1200 mm [31.5-47.3 in]
CABLE DIAMETER	20 mm [0.8 in]
MINIMUM BENDING RADIUS OF CABLE	30 mm [1.2 in]

POWER REQUIREMENTS

POWER SUPPLY	3 PHASES+G 380/400/415/480 V ±10%
FREQUENCIES for 380/400/415V	50/60 Hz ± 3 Hz
FREQUENCY for 480V	60 Hz ± 3Hz
PEAK POWER CONSUMPTION	150 kVA
MOMENTARY POWER CONSUMPTION	100 kVA
LONG TIME POWER CONSUMPTION	18 kVA
MINIMUM PROTECTION	100 A (D curve or equivalent)
MAXIMUM LINE IMPEDANCE PHASE TO PHASE	380 V : 0.09 Ω / 400 V : 0.096 Ω / 415 V : 0.102 Ω / 480 V : 0.12 Ω

- Power supply should come into a Mains 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 impedance phase to phase and rating of protection.

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 installed with IGS system components must be powered separately (e.g. lighting, power outlets)
- Transients must be less than 2,000 V peak in common mode and 1,000 V in differential mode, with a duration limited to a few microseconds.

GROUND SYSTEM

- At least 35 mm² [2 AWG] copper from main ground point to the MDP.
- 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 IGS cableways and to additional equipotential connections linking up all the conducting units in the rooms where IGS units are located.

CABLES

- Power and cable installation must comply with the distribution diagram.
- MDP to System Interface Cabinet cable shall be copper cable and cable insulation temperature shall be 90°C.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling and remote control (SEO, L...) will go to System Interface Cabinet with a pigtail length of 2.0 m [6.5 ft], and will be connected during installation.
- Each conductor will be identified and isolated (screw connector).

CABLEWAYS

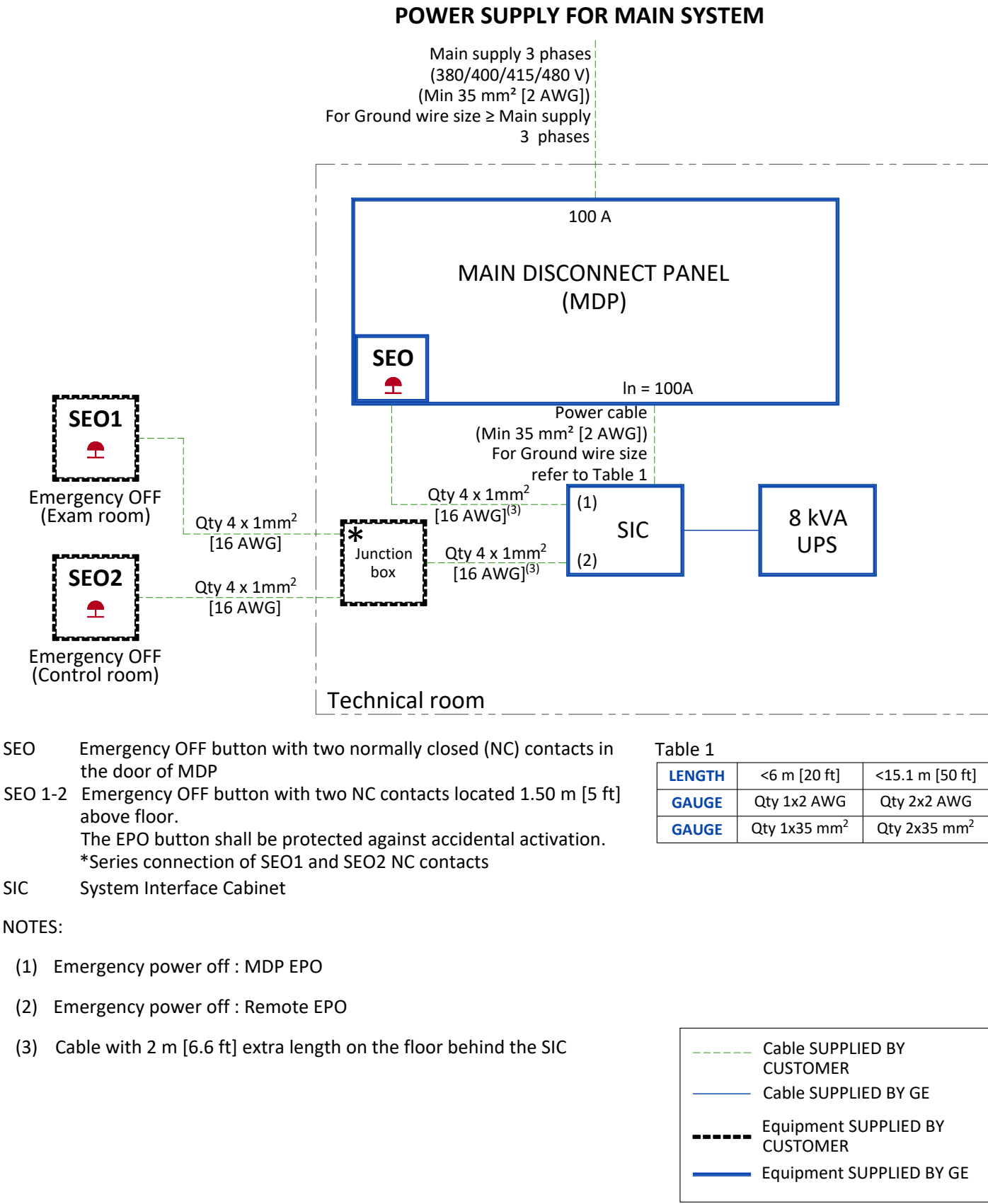
The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to :

- 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.

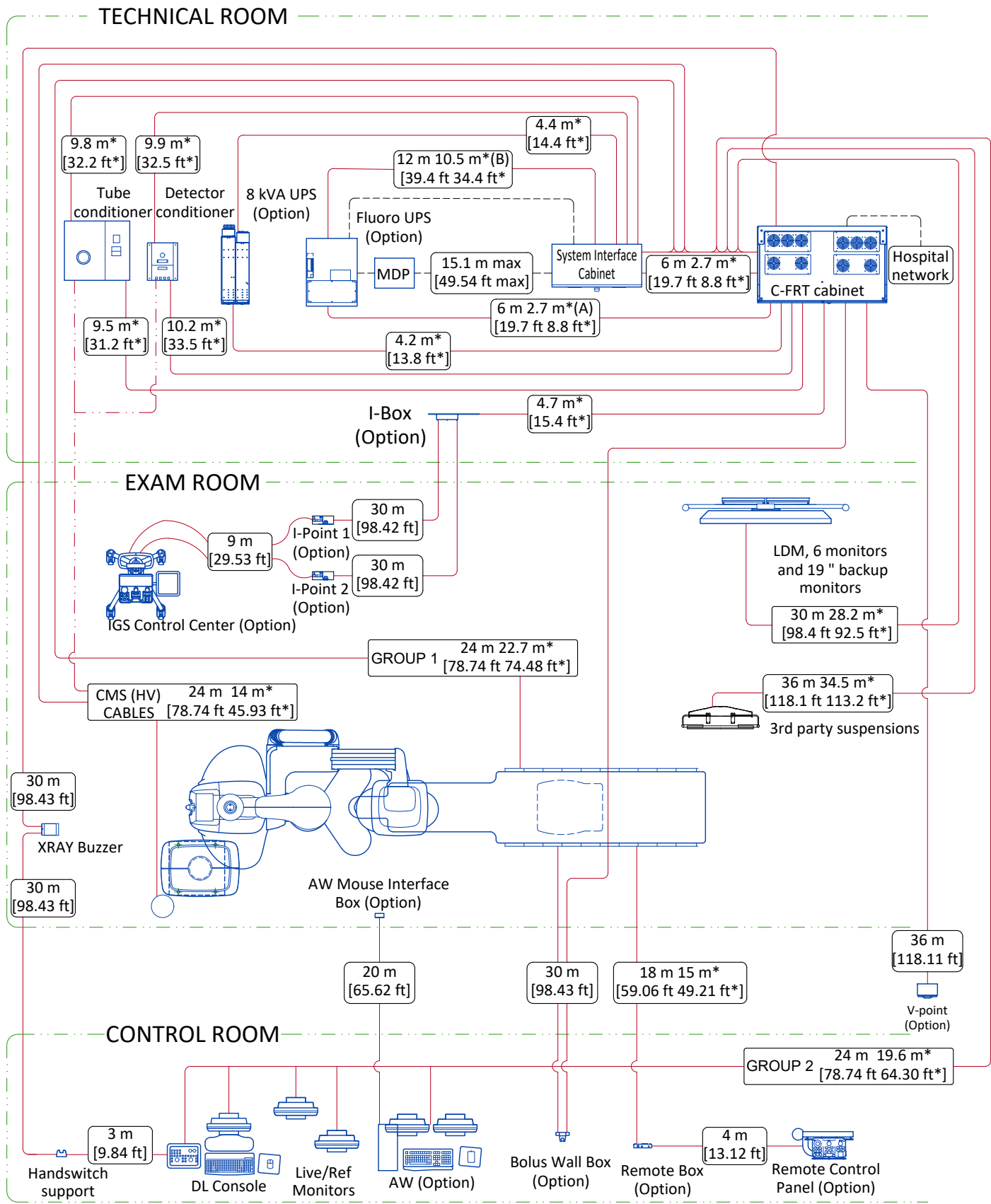
MANDATORY LOTO REQUIREMENTS

- The MDP shall provide means of disconnecting the mains power from the system, with LOTO capability to ensure safe service operation. It can be done by the input breaker if it has disconnecting capability, or by a separate disconnection device.
- An operator should be able to apply LOTO without opening the MDP box. When a LOTO device is installed on the MDP input breaker or on the disconnecting device, there shall be no voltage at the output of the MDP.

POWER DISTRIBUTION FOR IGS SYSTEM



INTERCONNECTIONS



		Cable supplied by the client	
		Cable supplied by GE	
		Cable supplied by GE (contains water hoses)	
		Room wall	
.....m	ft	Total length	
.....m*	ft*	Usable length	

Notes:

(A): A 6 m [19.69 ft] Ethernet cable between the C-FRT Cabinet and the Fluoro UPS is provided with the system. If a longer cable is needed, it shall be provided by the hospital; it shall be Cat5 minimum.

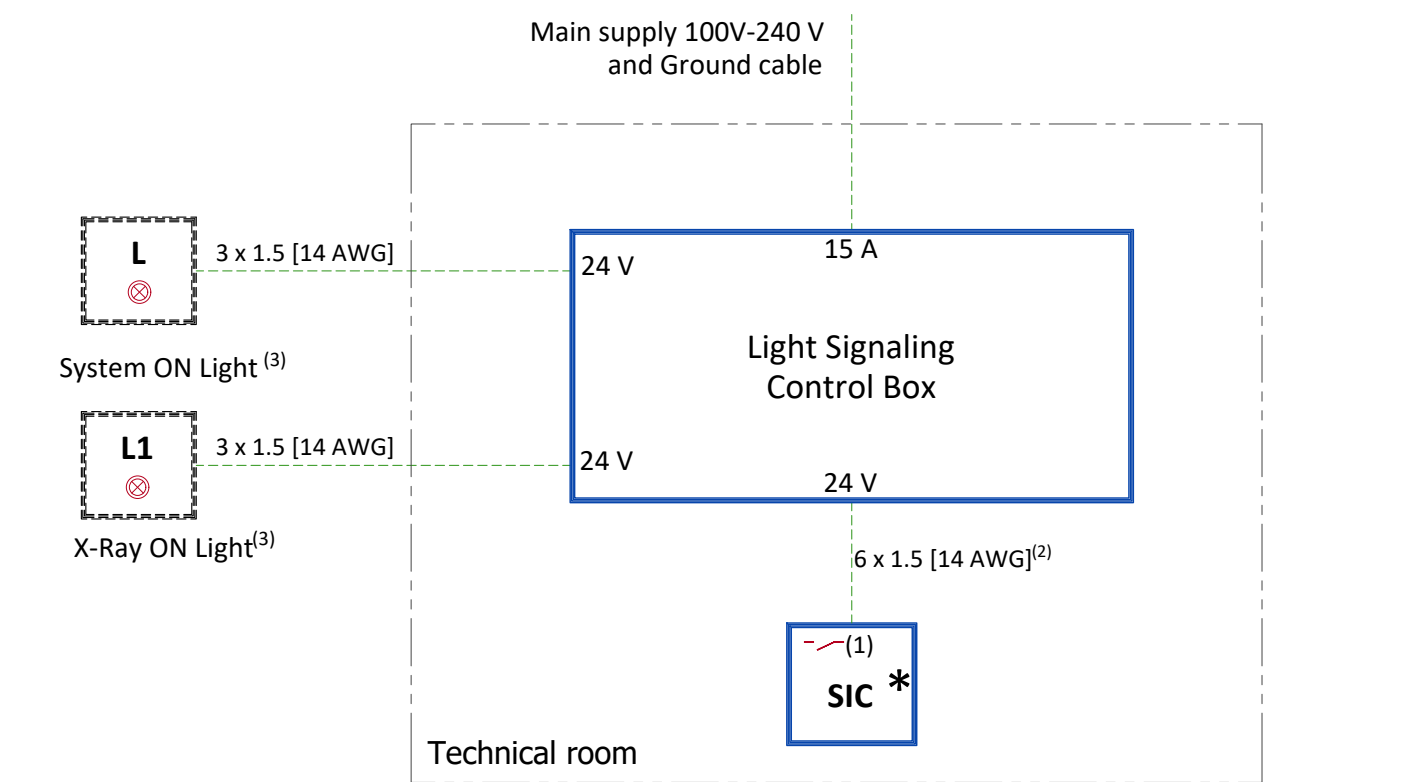
(B): A 12 m [39.37 ft] EPO cable between the System Interface Cabinet and the Fluoro UPS is provided with the system. If a longer cable is needed, it shall be provided by the hospital, its minimum gauge shall be 1 mm² [17 AWG].

POWER REQUIREMENTS (LIGHT SIGNALING)

SPECIFICATIONS OF POWER INPUT

FOR ELECTRICAL BOX LIGHT SIGNALING	
POWER DEMAND	15 A
VOLTAGE	Single Phase 120V or 240V
FREQUENCY	50/60 Hz ± 3Hz

POWER DISTRIBUTION (LIGHT SIGNALING)



- L System ON light - Located near access doors (3)(4)
- L1 XRay ON light - 24 V, Located near access doors and inside the exam room (3)(4)
- SIC System Interface Cabinet

NOTES:

(1) Three dry contacts: "System ON", "X-Ray ON" and Room lights control are released by SIC. Max. voltage = 24 V

(2) Cable with 2m [6.6ft] extra length on the floor behind the back of SIC

(3) Location and/or quantity: refer to layout

Cable SUPPLIED BY CUSTOMER

Cable SUPPLIED BY GE

Equipment SUPPLIED BY CUSTOMER

Equipment SUPPLIED BY GE

TERMINAL X1	SYSTEM ON		X-RAY ON		ROOM LIGHTS	
	1	2	3	4	5	6
PDU ON/OFF BOARD	1	2	1	2	2	3
	J15		J6		J10	