

				Typic			
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)	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 - Light Signaling 23 - E7 - Power requirements (Light Signaling)	GE GE	HealthC	are		 	
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)			ı	DISCOVER FINAL S			
	HealthCare Pre Installation manual. Failure to reference the Pre Installation manual will re	Drawn by	Verified by	Concession	GON/Quote	PIM Manual	Rev

PMM

Scale

1/4"=1'-0"

Format

JJL

File Name

EN-VAS-TYP-IGS-7-NF.DWG

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Date

24/Jul/2025

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Sheet

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incomplete documentation required for site design and preparation.

Pre Installation documents for GE HealthCare products can be accessed on the web at: https://www.gehealthcare.com/support/manuals

GE HealthCare 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 drawings. GE HealthCare cannot accept responsibility for any damage due to the partial use of GE HealthCare final issue drawings, however caused. All dimensions are in millimeters unless otherwise specified. Do not scale from printed pdf files. GE HealthCare accepts no responsibility or liability for defective work due to scaling from these drawings.

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.

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,
 - Power for drills and other test equipment,
 - Restrooms.
 - Provide for refuse removal and disposal (e.g. crates, cartons, packing)

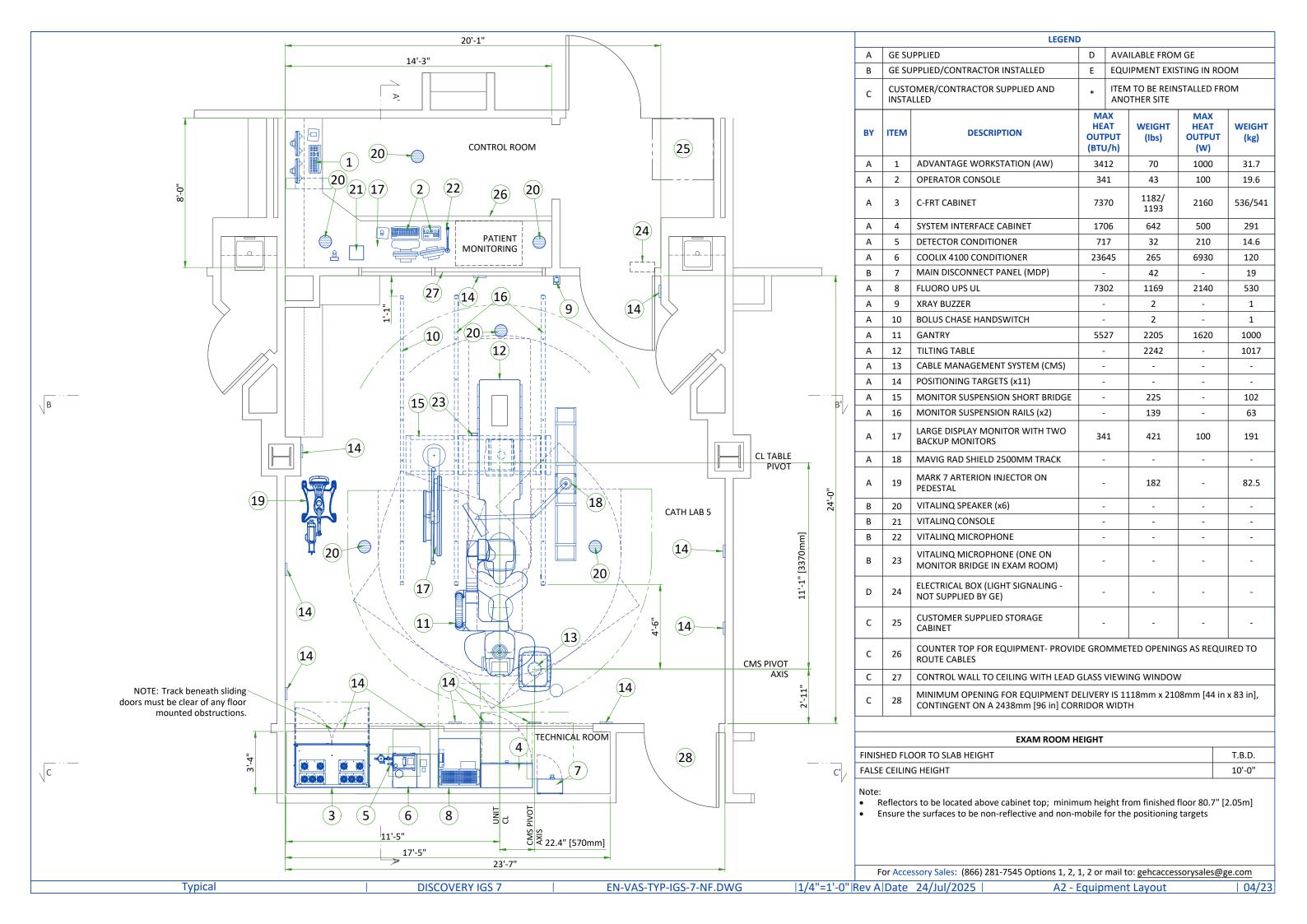
Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG - | Rev A|Date 24/Jul/2025 | C2 - Disclaimer - Site Readiness | 02/23

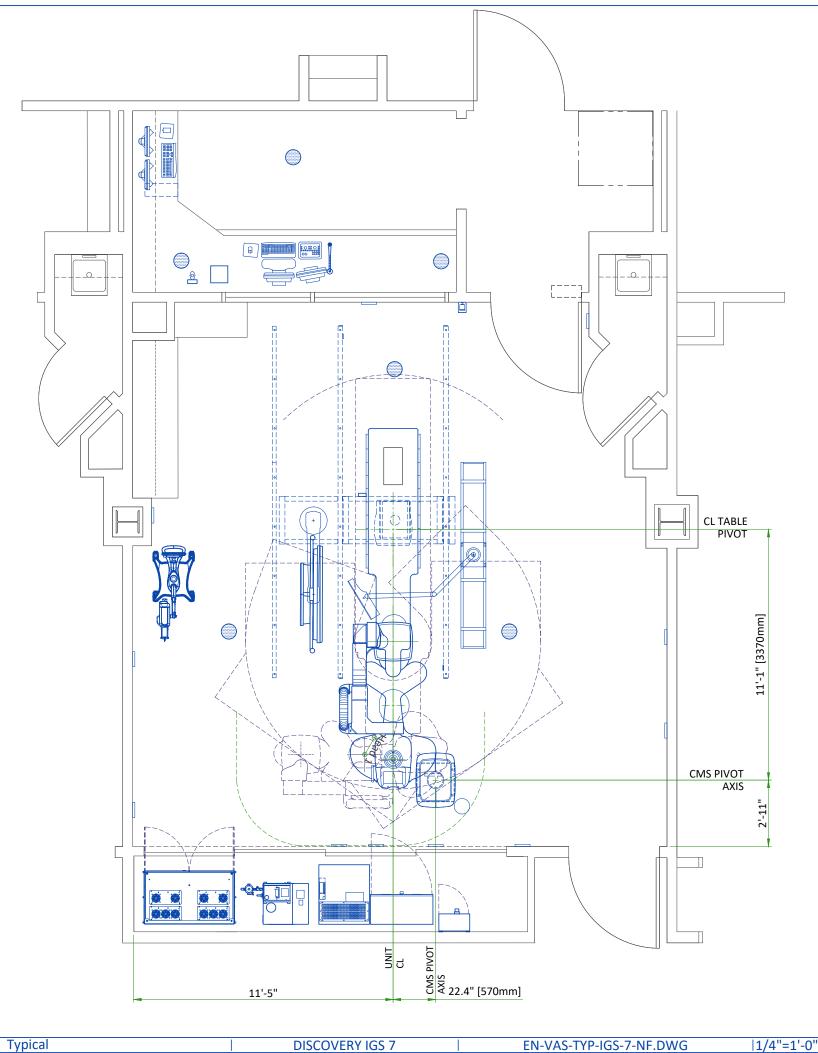
ELECTROMAGNETIC INTERFERENCE

The IGS System is intended for use in the electromagnetic environment specified below. The customer or 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 RF energy only for its internal function. Therefore, its RF emission is very low and not likely to cause any interference in nearby electronic equipment.
		The IGS system uses RF energy only for its internal function. Therefore, the RF emission is very low and not likely to cause any interference in nearby electronic equipment.
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 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 low voltage power supply network that supplies buildings used for domestic purposes.

Typical | DISCOVERY IGS 7 | EN-VAS-TYP-IGS-7-NF.DWG | Rev A|Date 24/Jul/2025 | A1 - General Notes | 03/23





PARKING POSITIONS

NAME	RIRP*	59.4"	FEASIBLE	PROPOSED	
IVAIVIE	min	max	DISTANCE	PROPOSED	
Park Head 1	19.7"	154.7"		YES	
Park Left 2	19.7"	160.6"			
Park Left 3	19.7"	105.9"			
Park Left 4	19.7"	52.8"			
Park Right 2	19.7"	144.9"			
Park Right 3	19.7"	123.6"			
Park Right 4	19.7"	98.0"			

A maximum of two parking positions can be selected.

BACKOUT POSITIONS

TVDE	NAME	RIRP*	TYPICAL	
TYPE Backouts	IVAIVIE	min	max	TTPICAL
	Head Long	19.7"	169.7"	47.2"
	Left 1	19.7"	169.7"	47.2"
	Right 1	19.7"	169.7"	47.2"
	Head Left	19.7"	106.3"	106.3"
Backouts	Head Right	19.7"	141.7"	106.3"
	Left Lat	19.7"	55.1"	35.5"
	Left Feet	19.7"	43.3"	35.5"
	Right Lat	19.7"	94.5"	35.5"
	Right Feet	19.7"	82.7"	35.5"
	Left Inter	19.7"	137.8"	-
Arm backouts	Right Inter	19.7"	31.5"	-
	Left Swivel	19.7"	35.5"	-
	Right Swivel	19.7"	67.0"	-

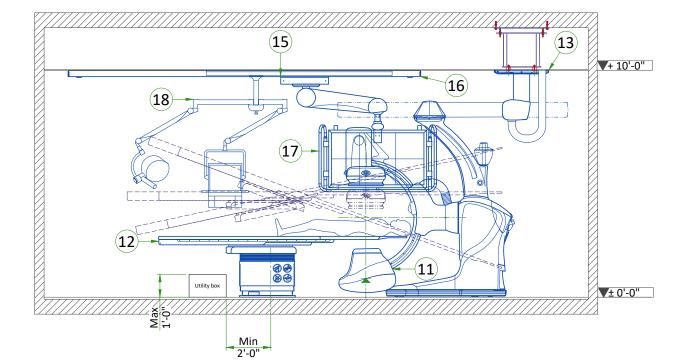
* RIRP: Room Interventional Reference Point

DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG |1/4"=1'-0"|Rev A|Date 24/Jul/2025 | A3 - Movement Layout | 05/23

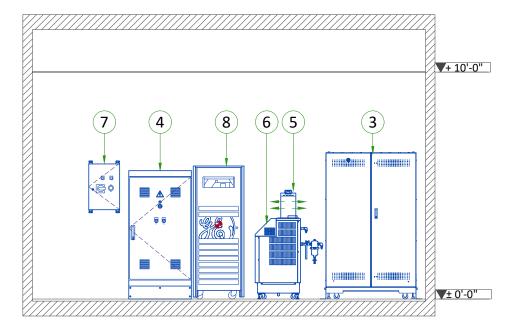
EXAM ROOM VIEW

TECHNICAL ROOM VIEW

SECTION A-A'

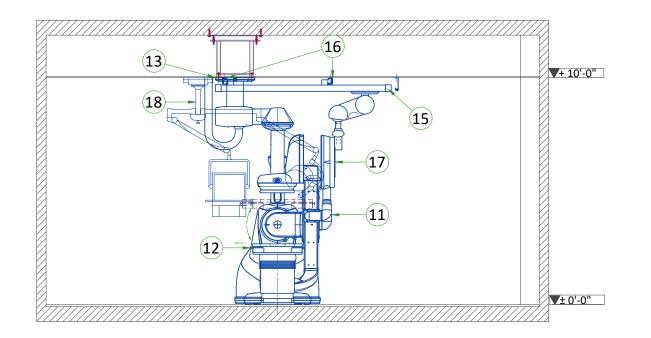


SECTION C-C'

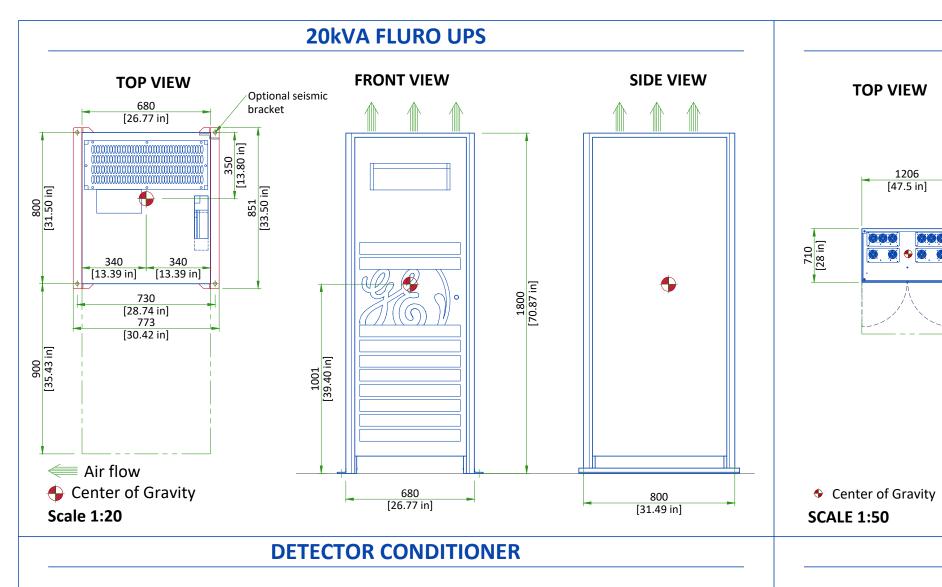


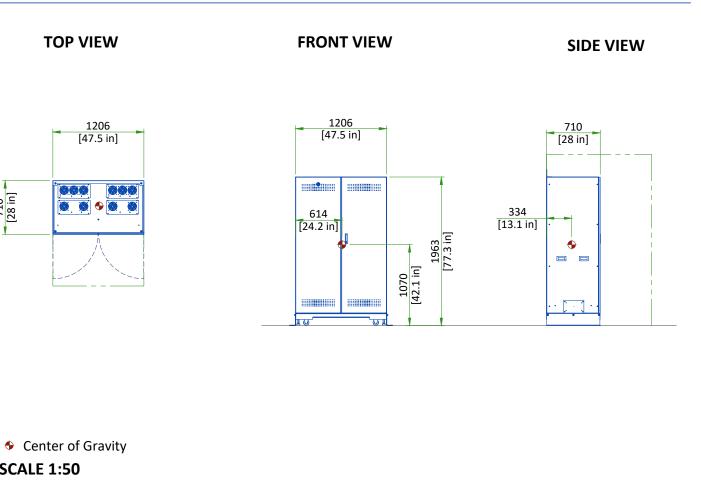
EXAM ROOM VIEW

SECTION B-B'

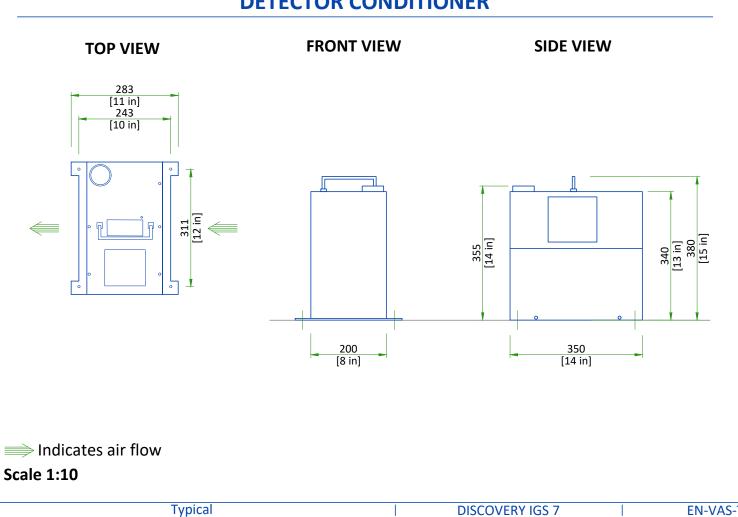


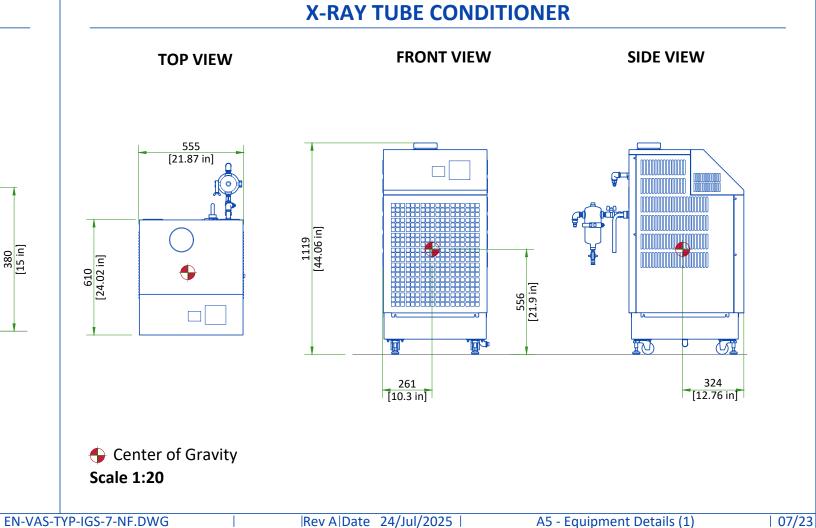
The ballons in the sections are the same as in the description in the equipment layout (page A2)

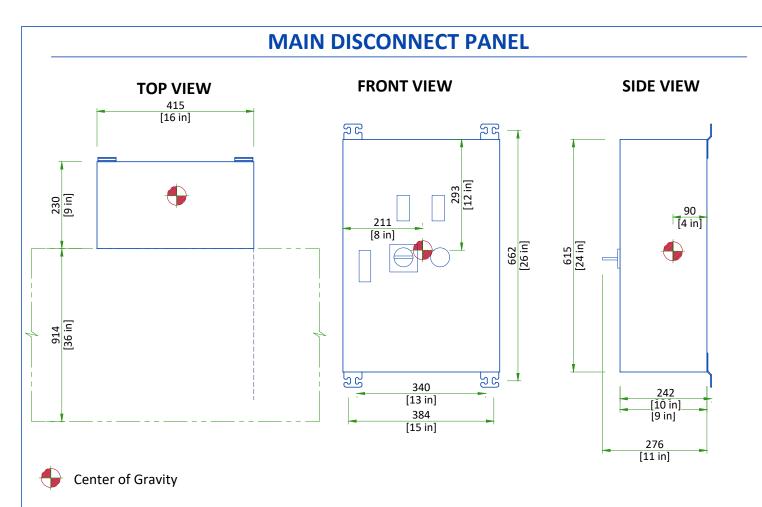




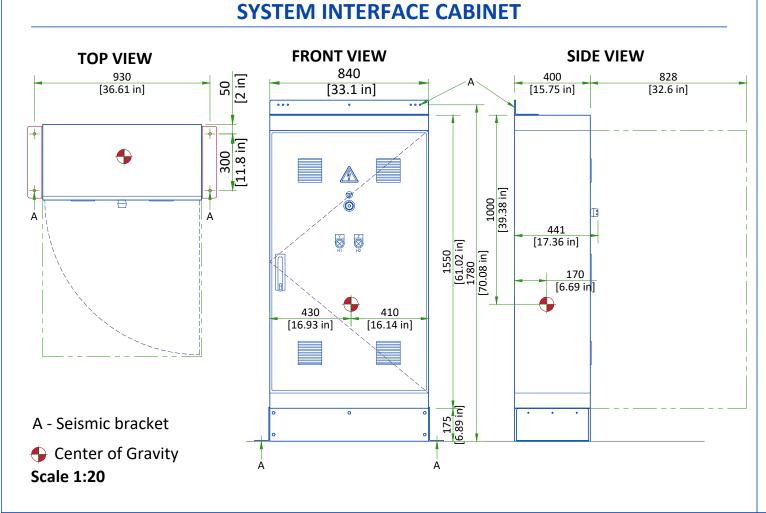
C-FRT CABINET







Scale 1:10



Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 A6 - Equipment Details (2) 08/23

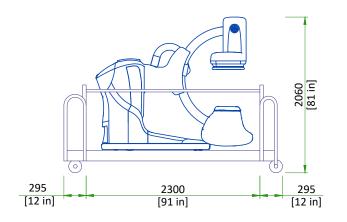
DELIVERY

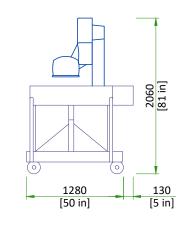
THE CUSTOMER/CONTRACTOR SHOULD:

- 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.

EQUIPMENT		DIMENSIONS			WEIGHT		
EQUIPMENT		mm	in	kg	lb		
Gantry (on dolly)	Length	1410	55.5				
	Width	2890	113.7	1100	2425		
	Height	2060	81.1				
	Length	1000	39.4	700	1534		
Tilting Table base assembly (on pallet)	Width	2150	84.6				
	Height	1160	45.7				
	Length	940	37				
Tilting Table covers (on pallet)	Width	940	37	50	110		
	Height	600	23.6				

SHIPPING DOLLY FOR DISCOVERY GANTRY



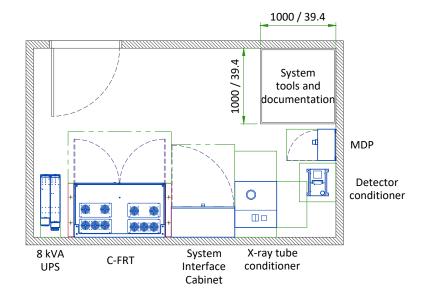


	DIMENSIONS		
	HEIGHT	WIDTH	LENGTH
Full configuration	2060 mm [81.1 in]	1410 mm [55.5 in]	2890 mm [113.7 in]
Left top handle removed and right top handle inside	2060 mm [81.1 in]	1280 mm [50.4 in]	2890 mm [113.7 in]
Short lifts configuration	2120 mm [83.5 in]	1280 mm [50.4 in]	2300 mm [90.5 in]
No dolly configuration	2000 mm [78.7 in]	1260 mm [49.6 in]	2150 mm [84.6 in]
NOTE		ilitate movement of Discover try without shipping dolly, th floor surface.	y gantry in the hospital only. ere is a risk of damaging the

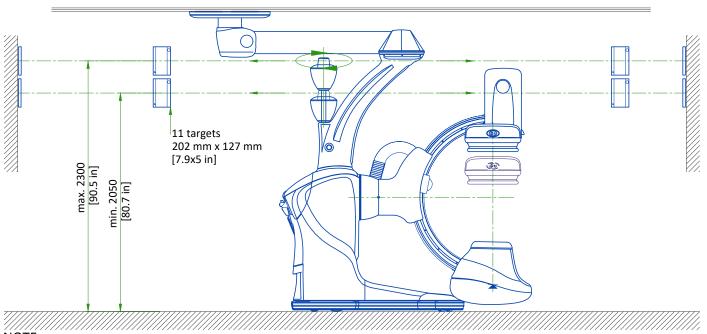
RECOMMENDED AREA IN THE TECHNICAL ROOM

THE TECHNICAL ROOM NEED EXTRA SPACE FOR TOOLS AND DOCUMENTATION

- GE recommend an extra area of 1.0 x 1.0 m (39.4 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



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:

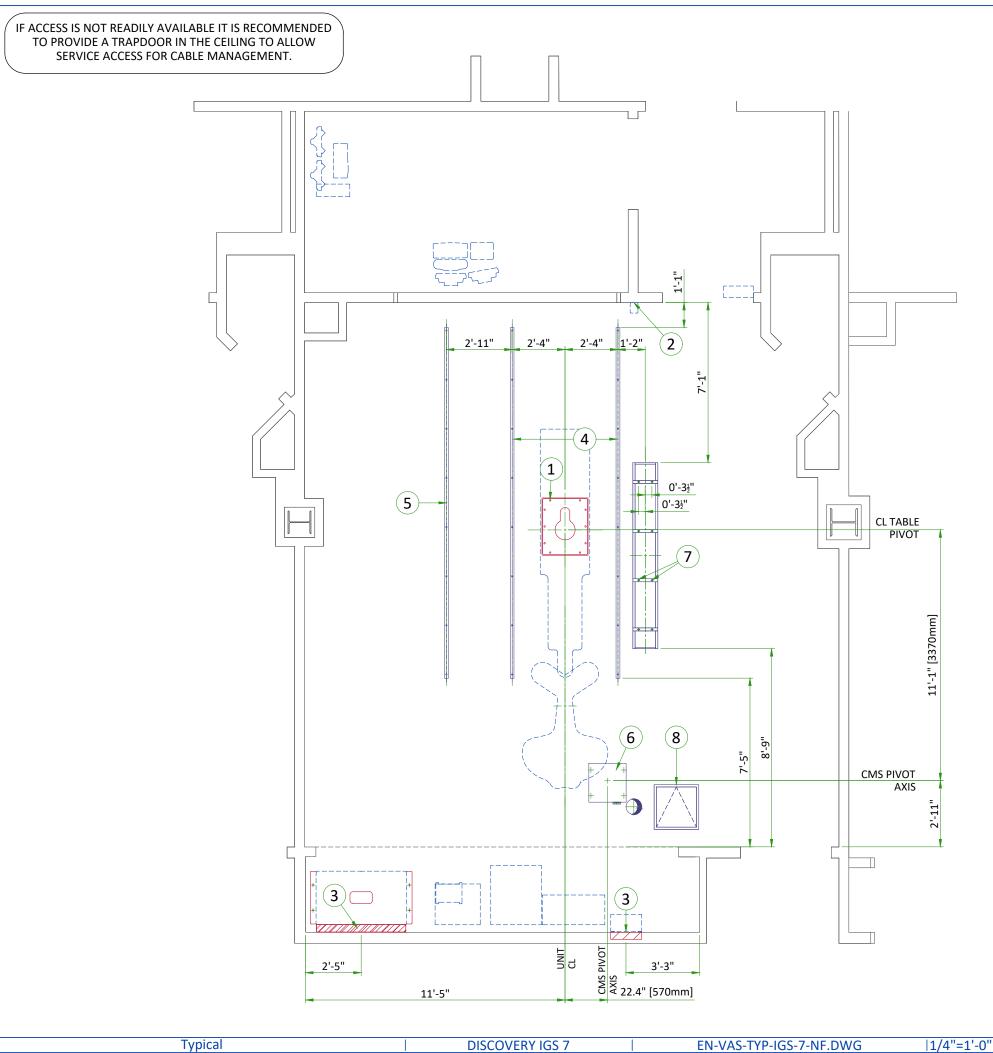
- Shouldn't be mounted on movable surface (door, window, etc.).
- Shouldn't be mounted on a surface that could be hidden in operation by door or movable component.
- Shouldn't be mounted on or near a reflective surface.

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 A7 - Delivery 09/23

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"

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 S1 - Structural Notes 10/23



	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 (250x503 [20.5"x19.8"])						
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						

DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG |1/4"=1'-0"|Rev A|Date 24/Jul/2025 | S2 - Structural Layout | 11/23

FLOOR SPECIFICATION

IMPORTANT

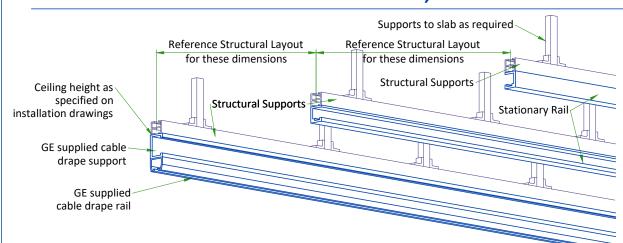
THE FLOOR SYSTEM COMPATIBLE WITH THE DISCOVERY IGS EQUIPMENT IS THE "MONOPUR 4+3" MONOLITHIC FLOORING SYSTEM INSTALLED BY A CERTIFIED APPLICATOR.

CONTACT YOUR LOCAL GE REPRESENTATIVE FOR THE LIST OF APPLICATORS.

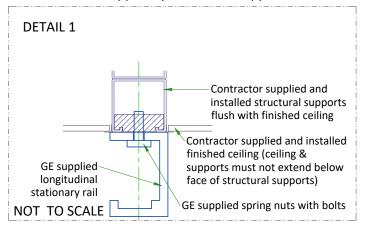
EXAM ROOM FLOOR ACCEPTANCE SPECIFIC	CATION FOR SUBSTRATE BEFORE MONOPUR APPLICATION
SUBSTRATE FLATNESS	< 3 mm/2 m [0.12 in/6 ft]
SUBSTRATE LEVELNESS	< 1 mm/m [0.04 in/3 ft]
PULL-OUT STRENGTH (i.e. Elcometer Adhesion Testor)	> 1.5 MPa [218 PSI]
HARDNESS (i.e. Schmidt Hammer Sclerometer)	> 30 N/mm² [4300 PSI]
SUBSTRATE HYGROMETRY	< 6% surface
CaCl (ASTM F1869), RH% (ASTM F2170)	(pin method)
FINISHED FLOO	OR SURFACE SPECIFICATIONS
FLATNESS	< 3 mm/2 m [0.12 in/6 ft]
LEVELNESS	< 1 mm/m [0.04 in/3 ft]

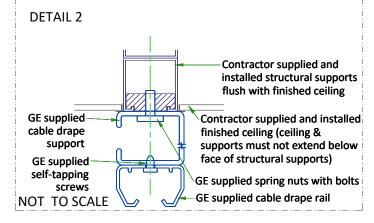
- (Bare) Concrete floor preparation and floor resin application falls under the customer's contractor responsibility.
- No expansion joint shall be present in the concrete in the area where the flooring system will be applied.
- Electrical connection of the conductive flooring falls under customer's responsibility.

XT RADIOGRAPHIC SUSPENSION, INBOARD MOUNTING



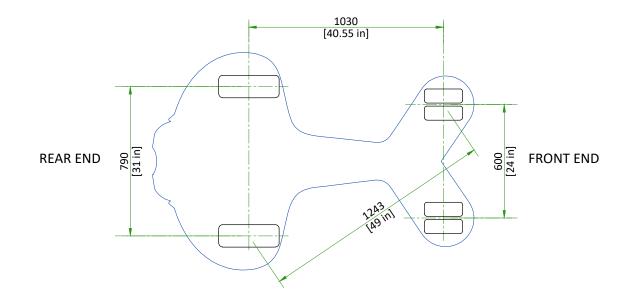
Structural Support system is not supplied or installed by GE Healthcare





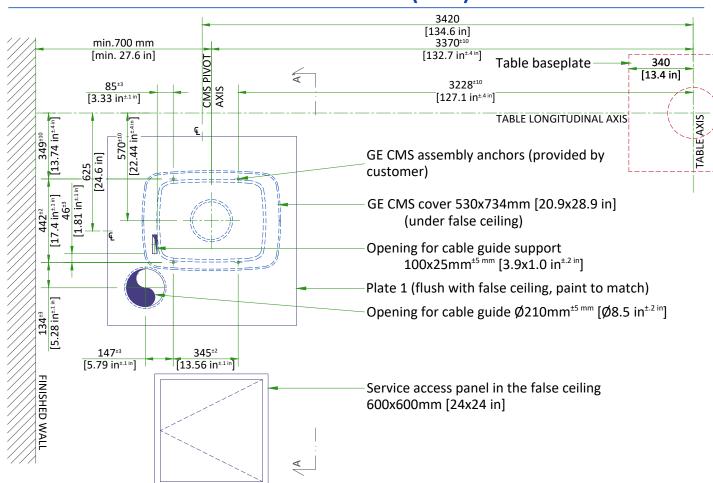
GANTRY WEIGHT

COMPONENT	NET W	WEIGHT/OCCUPIED AREA	
	TOTAL WEIGHT (IGS 730)	990 kg [2183 lb]	990 kg/m² [202.7 lb/ft²]
GANTRY	TOTAL WEIGHT (IGS 740)	1000 kg [2205 lb]	1000 kg/m² [204.8 lb/ft²]
GANTRY	REAR ISOLATED LOAD	350 kg [772 lb]	5.5 MPa [798 lb/in²]
	FRONT ISOLATED LOAD	110 kg [243 lb]	8.1 MPa [1175 lb/in²]



Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 S3 - Structural Details (1) 12/23

CABLE MANAGEMENT SYSTEM (CMS) CEILING PLAN

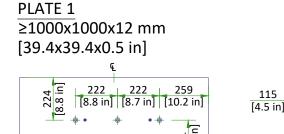


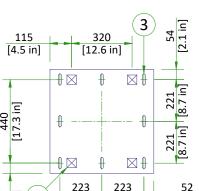
CUSTOMER SUPPLIED CMS SUPPORT PLATE DETAILS

550x550x12 mm

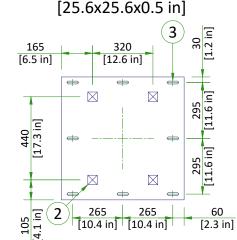
[21.7x21.7x0.5 in]

PLATE 2





[8.8 in] [8.8 in]



650x650x12 mm

PLATE 3

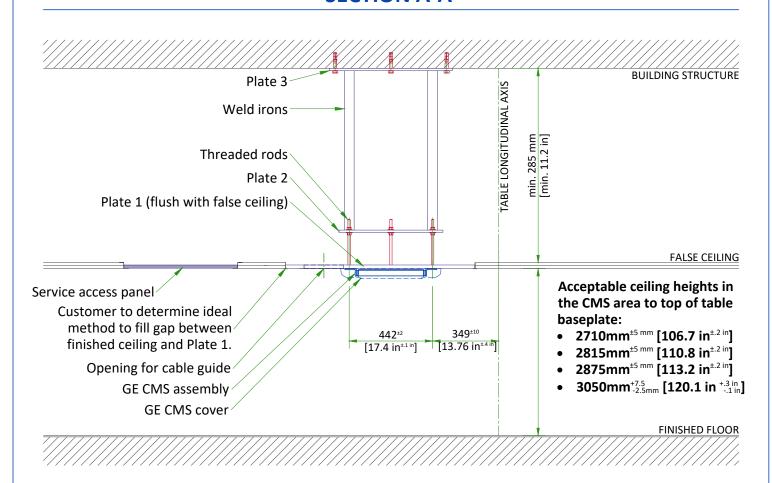
Refer to ceiling plan above for dimensions of CMS anchors, cable guide, and cable guide support.

LEGEND

200 [7.9 in]

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

SECTION A-A'



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)

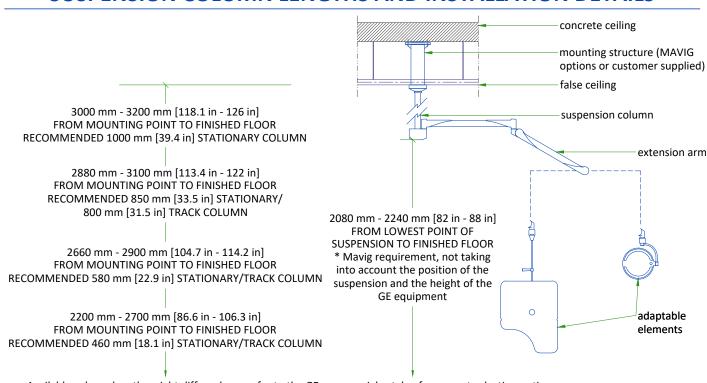
IMPORTANT NOTES

- 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.

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 S4 - Structural Details (2) 13/23

MAVIG SUSPENSION MOUNTING METHOD 2.5m CEILING TRACK SIDE VIEW 82 .23 in] 101 160 [6.3 in] 2.5m CEILING TRACK TOP VIEW Ground terminal Cable spooler (lamp only) 240 .45 in] 335 [13.19] 180 [7.09] Unistrut rail Ø13 [0.5 in] or equivalent for perpendicular support max 650-800 650-800 650-800 275 (not supplied by GEHC) [10.83 in] [25.6-31.5 in] [25.6-31.5 in] [25.6-31.5 in] 10.83 in 2500 [98.43 in] Unistrut rail Weight up to: 94 kg [207 lb] (75 kg [165 lb] system + 19 kg [42 lb] track) or equivalent The required factor of safety is "4" for attaching to Unistrut or equivalent (not supplied by GEHC) rails and "6" for attaching to the concrete ceiling. CONSULT MAVIG INSTALLATION MANUAL REV: POR03011 TO DESIGN AND MOUNT THE CEILING SUPPORT. PARALLEL SUPPORT [7.1 in] **SCALE 1:20**

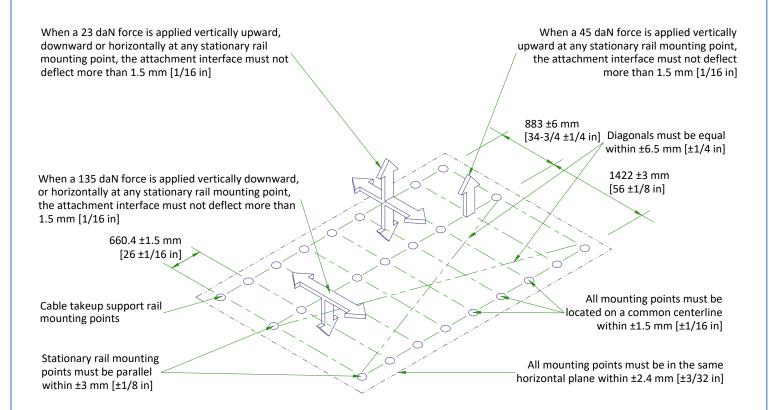
SUSPENSION COLUMN LENGTHS AND INSTALLATION DETAILS



- 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

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].

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.

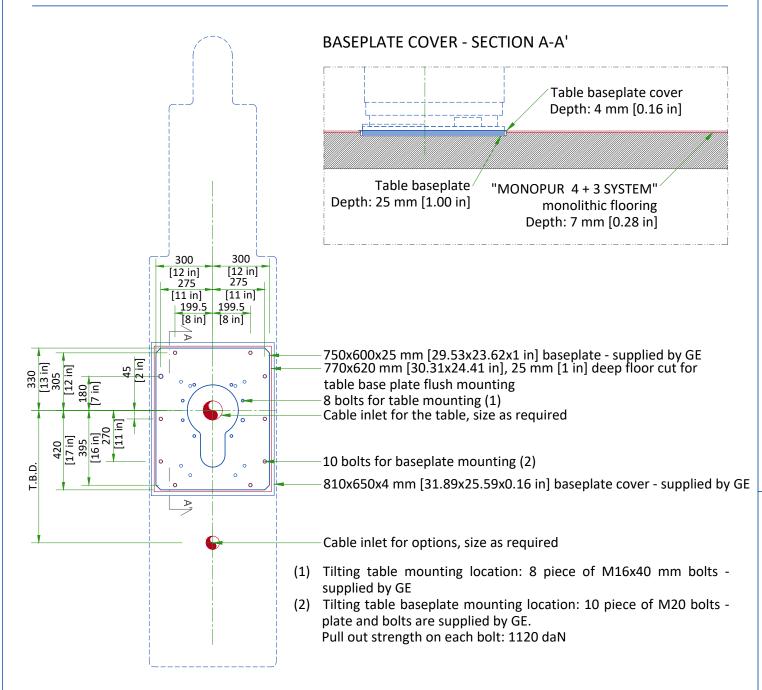
This certificate shall include the definition of fasteners and of their tightening torque, especially for the non-standard cases described in MAVIG PIM and for which the standard anchoring/screws delivered with product shall not be used but shall be defined (and implemented in most cases) by the structural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

WARNING:

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

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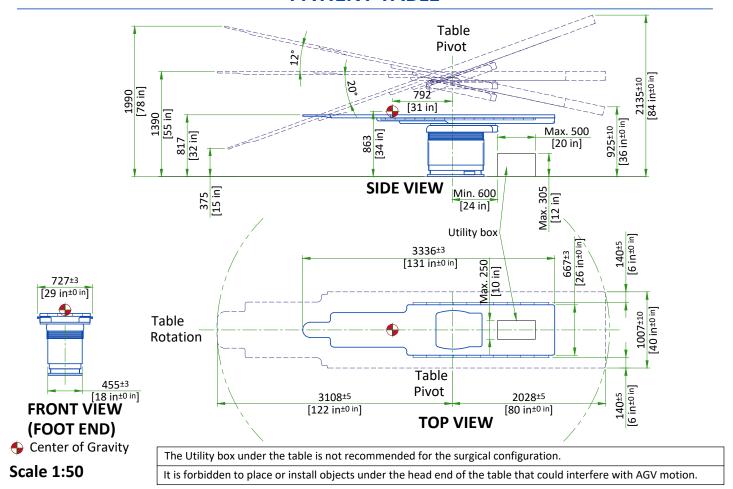
TABLE MOUNTING WITH TABLE BASEPLATE



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.

PATIENT TABLE



15/23

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 S6 - Structural Details (4)

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]	22 °C [72 °F]	32 °C [90 °F]	15 °C [59 °F]	22 °C [72 °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		30% to 70%		30% to 75%			30% to 75%			
Humidity gradient		≤ 10%/h		≤ 10%/h			≤ 10%/h ≤ 10%/h			

20 kVA FLUORO UPS

storage temperature is above +25 °C .

Air renewal

According to Standard IEC 62040-1-2

Systems with 20 kVA UPS shall be stored for less than 6 weeks if the storage temperature is above +30 °C, and less than 12 weeks if

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.

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	0.50	0.50	0.50	0.50	1706	1706	1706	1706	
	Typical Injector	0.09	0.09	0.09	0.09	307	307	307	307	
	TOTAL	1.00	1.14	1.48	2.21	3412	7541	5050	7541	
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	3753	341	3753	
		•								
Technical room	C-FRT Cabinet	0.7	0.7	0.7	0.7	2388	2388	2388	2388	
	System Interface Cabinet	0.4	0.4	0.4	0.4	1365	1365	1365	1365	
	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	
	Fluoro UPS	2.14	2.14	2.14	2.14	7302	7302	7302	7302	
	TOTAL	5.98	7.94	8.94	10.38	20405	27093	30505	35418	

WARNING

The list contains only the principal components of the system and doesn't contain any non-GE supplied equipment.

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¹ Moderate Use corresponds to 8 cases in 10 hours.

² Typical Use corresponds to 11 cases in 10 hours.

³ Maximum Use is during the case.

CONNECTIVITY REQUIREMENTS

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

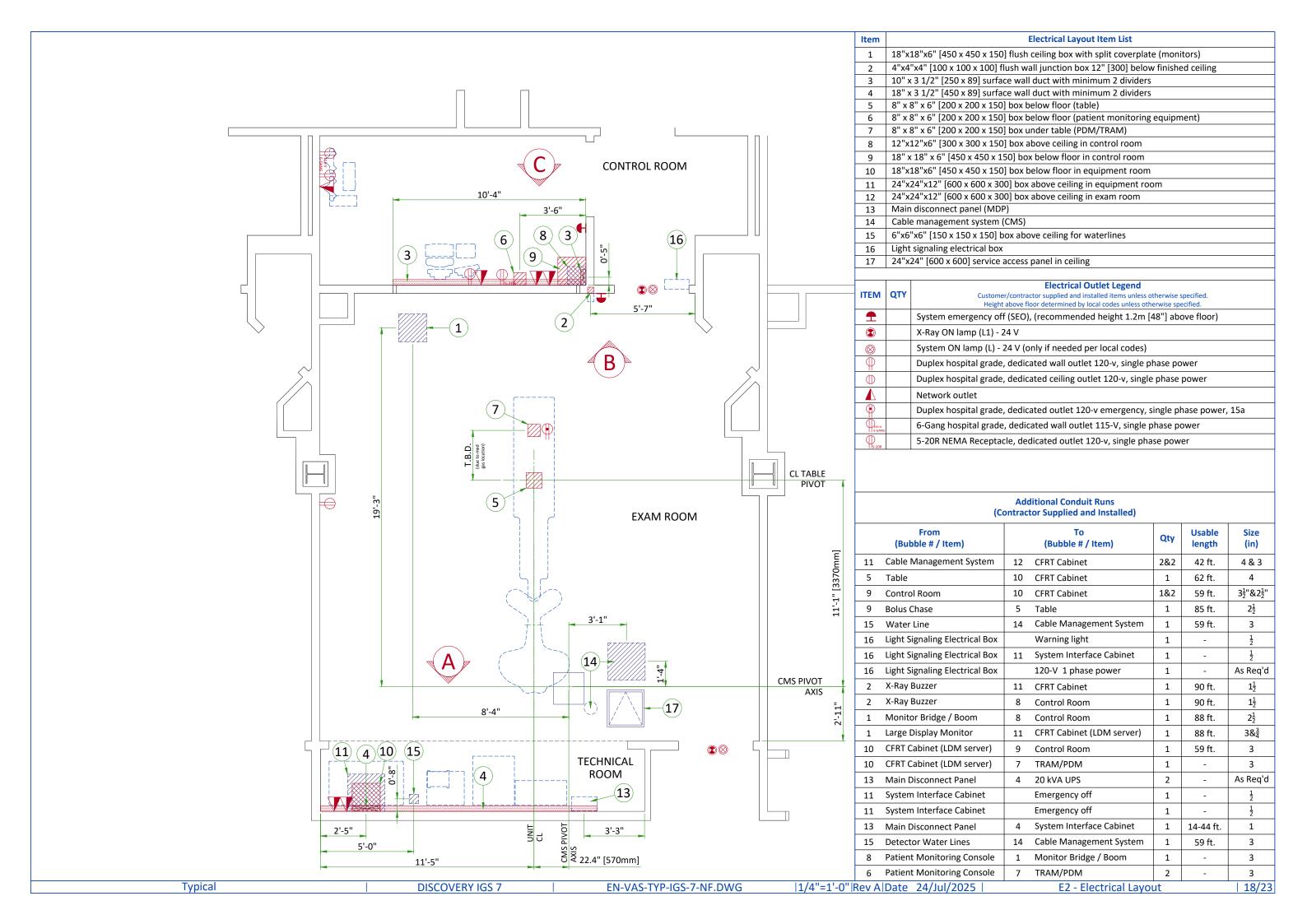
Please provide the GE project manager with the contact information for the resource that can provide information required to set up these connections. GEHC will send out communication to these contacts, which will include the project's Connectivity requirements, and a Connectivity form. This form will 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.

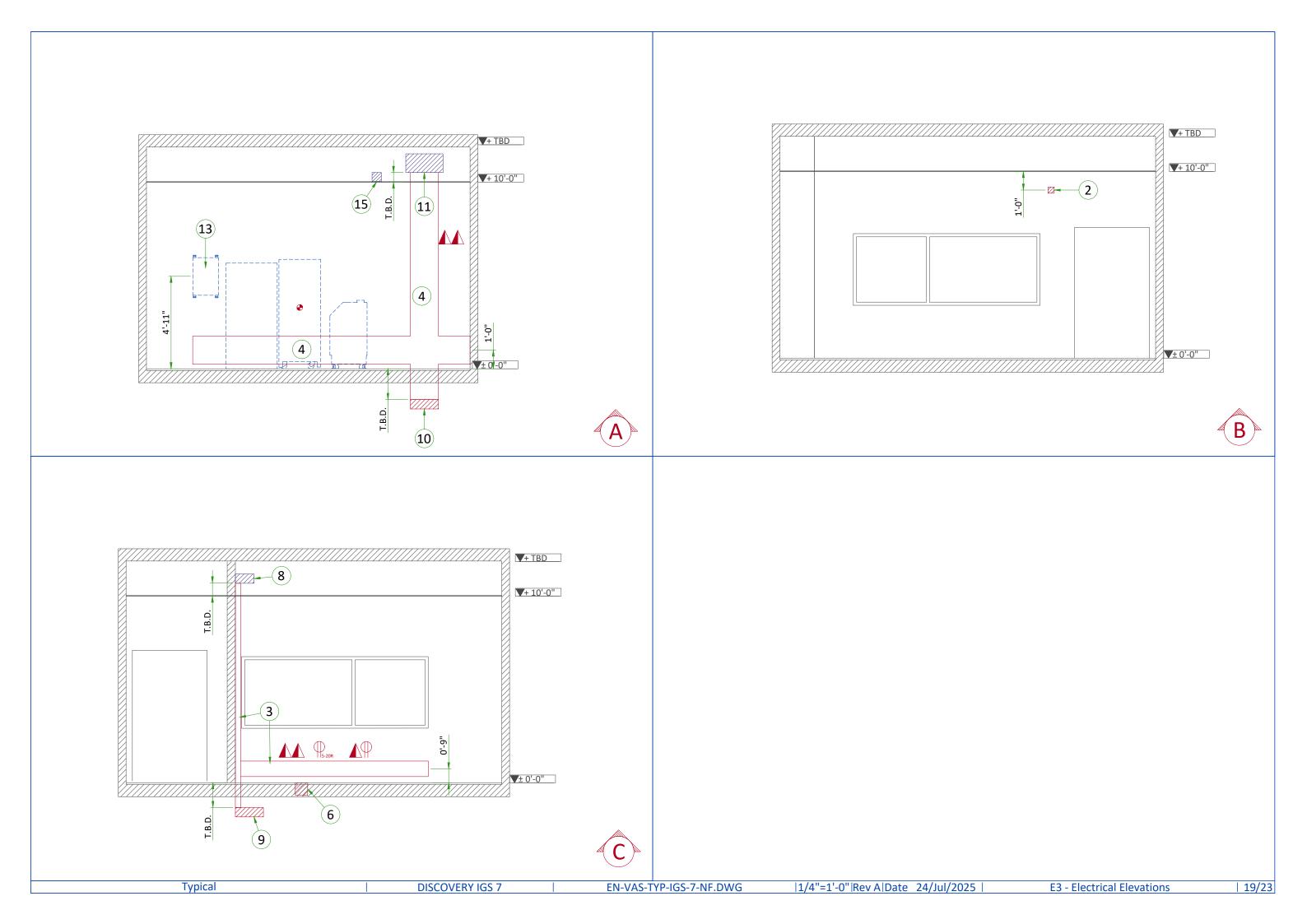
ELECTRICAL NOTES

- 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. In some cases GE will specify ground wires to be sized larger than code. In these situations, the GE specification must be followed.
- 10. 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.
- 11. The maximum point to point distances illustrated on this drawing must not be exceeded.
- 12. 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.
- 13. 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.
- 14. Every installation is unique. The electrical contractor will be required to support the installation of the GE equipment by providing knockouts, grommeted openings, bushings, etc. as required. All power connections to be performed by the electrician.

- All junction boxes, conduit, duct, duct dividers, switches, circuit breakers, cable tray, etc., are to be supplied and installed by customers electrical contractor. All junction boxes shall be provided with covers.
- 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.
- Electrical contractor to insert pull cords for all cable run conduits.
- Provide 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.

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 E1 - Electrical Notes 17/23

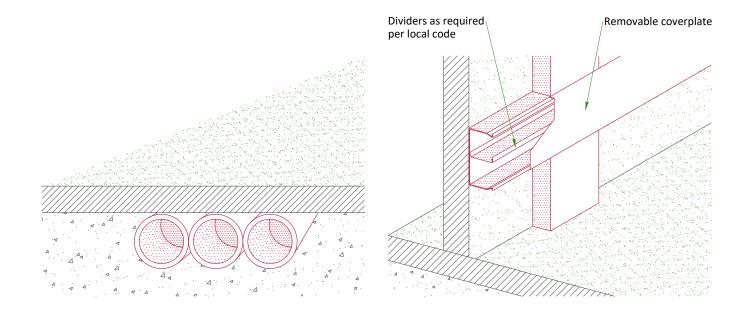




TYPICAL CABLE MANAGEMENT

CONDUIT IN THE FLOOR

WALL DUCT



NOT TO SCALE

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 E4 - Electrical Details 20/23

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:

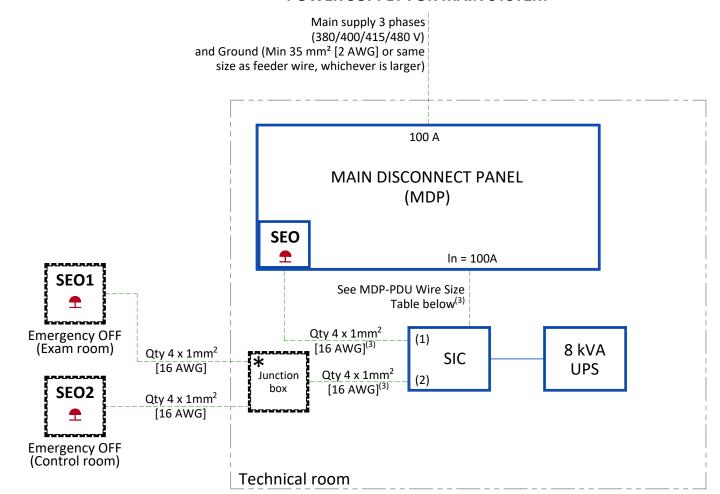
- Protecting cables against water (Cableways should be waterproof),
- Protecting cables against abnormal temperatures (Proximity to heating pipes or ducts),
- Protecting cables against temperature shocks,
- Replacing cables (Cableways should be large enough for cables to be replaced),
- Only GE cables 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

POWER SUPPLY FOR MAIN SYSTEM



- SEO Emergency OFF button with two normally closed (NC) contacts in the door of MDP
- SEO 1-2 Emergency OFF button with two NC contacts located 1.50 m [5 ft] above floor.

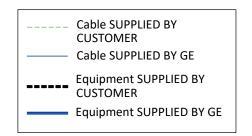
The EPO button shall be protected against accidental activation. *Series connection of SEO1 and SEO2 NC contacts

SIC System Interface Cabinet

NOTES:

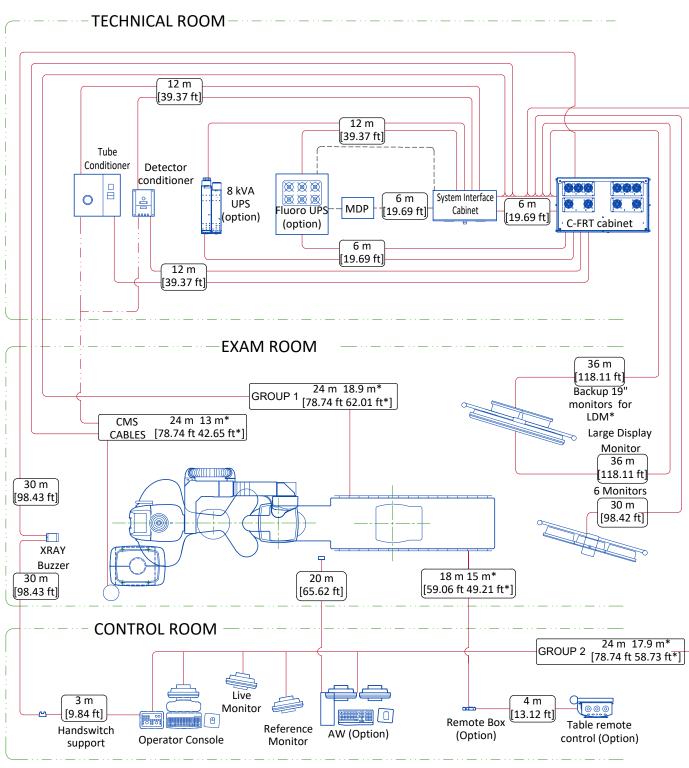
- (1) Emergency power off: MDP EPO
- (2) Emergency power off: Remote EPO
- (3) Cable with 2 m [6.6 ft] extra length on the floor behind the SIC

MDP-PDU Wire Size		
LENGTH	<6 m [20 ft]	
GAUGE	Qty 1x2 AWG	
GAUGE	Qty 1x35 mm ²	



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INTERCONNECTIONS



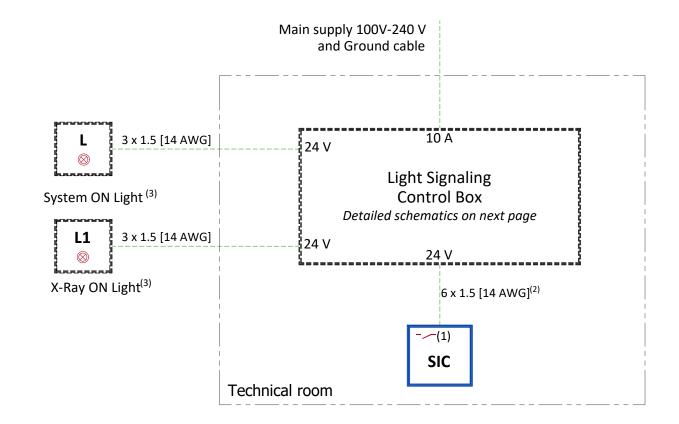
		Cable supplied by the client	
		Cable supplied by GE	
		Cable supplied by GE (contains water hoses)	
		Room wall	
m	ft	Total length	
m*	ft*	Usable length	
m	ft	Standard cable length	
m	ft	Long cable length	
*		Can be positioned on the back of LDM or on separate suspension boom	

POWER REQUIREMENTS (LIGHT SIGNALING)

SPECIFICATIONS OF POWER INPUT

FOR ELECTRICAL BOX LIGHT SIGNALING		
POWER DEMAND	10 A	
VOLTAGE	Single Phase 100V - 240V ± 10%	
FREQUENCY	50/60 Hz ± 3Hz	

POWER DISTRIBUTION (LIGHT SIGNALING)



- 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

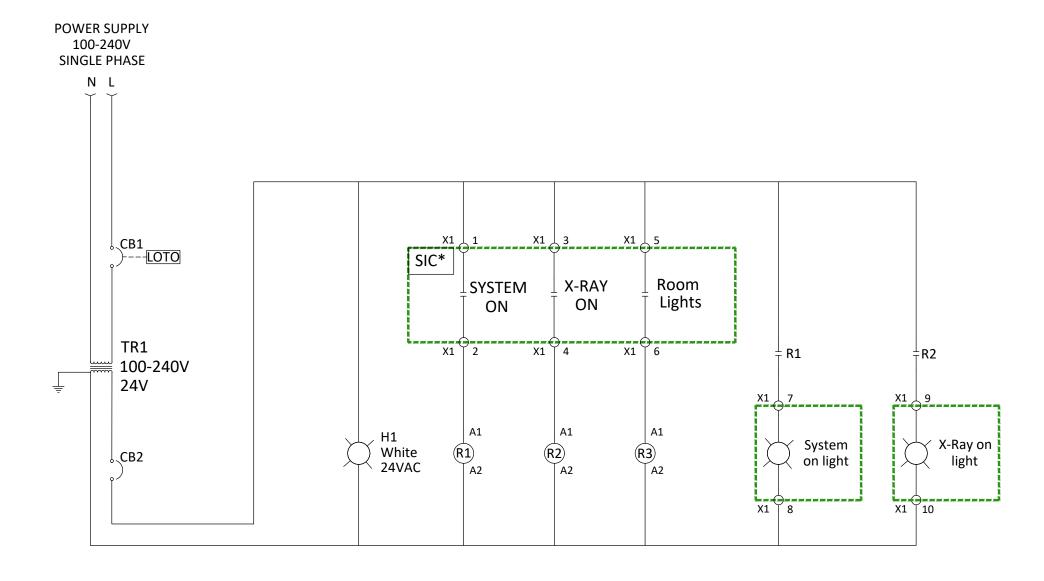
NOTES:

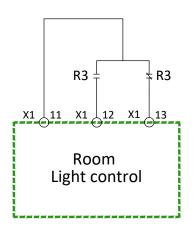
- (1) Three dry contacts: "System ON", "X-Ray ON" and Room lights control are released by SIC. Max. voltage = 24 V
- (2) Cable with 2m [6.6ft] extra length on the floor behind the back of SIC
- (3) Location and/or quantity: refer to layout

Cable SUPPLIED BY
CUSTOMER
Cable SUPPLIED BY GE
Equipment SUPPLIED BY
CUSTOMER
Equipment SUPPLIED BY GE

Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 E6 - Interconnections - Light Signaling 22/23

DETAILED SCHEMATICS ELECTRICAL BOX (LIGHT SIGNALING)





SYMBOLS LEGEND

• Circuit breaker

Relay coil

Relay contact - normally open (de-energized state)

Relay contact - normally closed (de-energized state)

Control power transformer

Indication light

⋄ Cable/conductor termination

LOTO External lock-out/tag-out capability

⊢ Ground

CB1/CB2: Circuit breaker
H1: System ON Jamp voltage cou

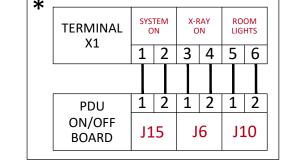
H1: System ON lamp voltage control

IG: Lockable interruptor L: System ON Lamp L1: X-Ray ON Lamp

R1/R2/R3: 24 VAC 50/60 Hz auxiliary relay

SIC: System Interface Cabinet

TR1: Transformer



Typical DISCOVERY IGS 7 EN-VAS-TYP-IGS-7-NF.DWG Rev A|Date 24/Jul/2025 E7 - Power requirements (Light Signaling) 23/23