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.

<table>
<thead>
<tr>
<th>REV</th>
<th>DATE</th>
<th>MODIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>13/MAR/2020</td>
<td>-</td>
</tr>
</tbody>
</table>

GE Healthcare

PRECISION THUNIS 800+ TYPICAL STUDY

Drawn by: - 
Verified by: - 
Concession: - 
S.O. (GON): - 
PIM Manual: 5442442-1EN 
Rev: 6

Format: A3 
Scale: 1:50 
File Name: EN-RF-TYP-PRECISION_THUNIS_800+.DWG 
Date: 13/MAR/2020 
Sheet: 01/07
### EQUIPMENT LAYOUT

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS LxWxH (mm)</th>
<th>WEIGHT (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TABLE</td>
<td>2000x1591x2847</td>
<td>816</td>
</tr>
<tr>
<td>2</td>
<td>POWER DISTRIBUTION UNIT (PDU)</td>
<td>448x503x696</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>GENERATOR CABINET</td>
<td>459x484x1237</td>
<td>164</td>
</tr>
<tr>
<td>4</td>
<td>POWER DISTRIBUTION BOX (PDB) (NOT SUPPLIED BY GE)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>WALL STAND</td>
<td>625x200x1829</td>
<td>75</td>
</tr>
<tr>
<td>6</td>
<td>OPERATOR CONSOLE</td>
<td>1285x750x780</td>
<td>-</td>
</tr>
</tbody>
</table>

**WALL - ACCORDING TO RECEIVED DRAWING**

**EXAM ROOM HEIGHT**

- FINISHED FLOOR TO SLAB HEIGHT: -
- FALSE CEILING HEIGHT: Min 3.00 m

---

**EXAM ROOM**

- Area: 22.06 m²

**CONTROL ROOM**

- Area: 6.5 m²

---

**SITE NAME**

| PRECISION THUNIS 800+ | EN-RF-TYP-PRECISION_THUNIS_800+.DWG | 1:50 | Rev: | Date 13/MAR/2020 | Equipment Layout | 02/07 |
Flush floor duct
Wall duct
Basic system
Electrical outlet 10/16A 230V + G
RJ 45 network socket
System remote control (Y), locked when power OFF "ON" and "OFF" impulse buttons with indicator lamps red=ON / green=OFF located at 1.50m above floor
System emergency off (SEO), (recommended height 1.50m-1.85m above floor)
System ON light (L) - 24V
X-Ray ON lamp (L1) - 24V

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Table anchoring (see Structural Details)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Wall Stand anchoring (see Floor Structural Details)</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>150x150 cable inlet on the floor</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>150x70 flush floor duct</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>150x100 opening in the floor and vertical duct for PDB cabling (h = 1.1m)</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>150x100 cable inlet on the floor</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>150x70 cable inlet on the floor and vertical wall duct to h=0.7 m</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>150x70 horizontal wall duct at h=0.7 m</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Power Distribution Box (PDB)</td>
</tr>
</tbody>
</table>

---

**FLOOR - ELECTRICAL LAYOUT**

**ITEM**

**QTY**

**DESCRIPTION**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>Electrical outlet 10/16A 230V + G</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>RJ 45 network socket</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>System remote control (Y), locked when power OFF &quot;ON&quot; and &quot;OFF&quot; impulse buttons with indicator lamps red=ON / green=OFF located at 1.50m above floor</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>System emergency off (SEO), (recommended height 1.50m-1.85m above floor)</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>System ON light (L) - 24V</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>X-Ray ON lamp (L1) - 24V</td>
</tr>
</tbody>
</table>

---

**ITEM**

**QTY**

**DESCRIPTION**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Flush floor duct</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wall duct</td>
</tr>
</tbody>
</table>
**FLOOR MOUNTING**

**TABLE BASE**
- Cable inlet area
- 1026 [40 in]
- 986 [39 in]
- 870 [34 in]
- 531.6 [21 in]
- 365 [14 in]
- 20 [1 in]
- 12 [0 in]

**WALL STAND BASE**
- Floor anchoring holes Ø 16 for M12 screws
- 132.8 [5 in]
- 120 [8 in]
- 170 [7 in]
- 200 [8 in]
- 220 [10 in]
- X-Ray axis
- Center of gravity

**FLOOR LOADING**
- Table: 914 kg / m²
- Generator: 875.7 kg / m²
- Wall Stand: 1500 kg / m²

**FLOOR FLATNESS REQUIREMENTS**
Before placing the base plate, the floor must be within 1 mm of flat across the entire plate. The maximum height difference across any two points on the floor under base plate cannot exceed 1 mm.

**FLOOR ANCHORING**
- Anchors are supplied by GE.

**CABLE MANAGEMENT**

**FLUSH FLOOR DUCT**
- Waterproof joint
- Removable cover

**WALL DUCT**
- Removable coverplate

**INTERCONNECTIONS**

- Usable length
- PDU Power Distribution Unit
- T Table
- G Generator Cabinet
- OC Operator Console

**FLOOR STRUCTURAL DETAILS**
- Site Name: PRECISION THUNIS 800+
- Date: 13/MAR/2020
- Floor Structural Details - Interconnections
• Line supply should come into a power distribution box (PDB) containing the protective units and controls.
• The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
• There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the PDB.

SUPPLY CHARACTERISTICS

• Power input must be separated from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...)
• All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.

GROUND SYSTEM

• Equipotential: the equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non-GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE units are located.

CABLES

• Power and cable installation must comply with the distribution diagram below.
• All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
• Case PDB furnished by GE: The cables for signals and remote control (Y, SEO, L...) will go to PDB with a pigtail length of 1.5m, 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)
• Metal cableways should be grounded.
**TEMPERATURE AND HUMIDITY SPECIFICATIONS**

### IN-USE CONDITIONS

<table>
<thead>
<tr>
<th>EXAM ROOM</th>
<th>CONTROL ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>10°C</td>
<td>35°C</td>
</tr>
<tr>
<td><strong>Relative humidity (1)</strong></td>
<td></td>
</tr>
<tr>
<td>30 % to 75 %</td>
<td>30 % to 75 %</td>
</tr>
<tr>
<td><strong>Heat dissipation</strong></td>
<td></td>
</tr>
<tr>
<td>Stand-by</td>
<td>In use</td>
</tr>
<tr>
<td>0.132 kW</td>
<td>2.367 kW</td>
</tr>
</tbody>
</table>

### STORAGE CONDITIONS

| **Temperature** | -10°C to 35°C |
| **Relative humidity (1)** | 10 % to 80 % |

---

**STORAGE CONDITIONS**

Material should not be stored for more than 90 days.

(1) non-condensing

**AIR RENEWAL**

According to local standards.

**NOTE**

In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

---

**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.

---

### SHIPPING DIMENSIONS AND WEIGHTS IN BOXES

<table>
<thead>
<tr>
<th>Equipment</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
<th>WEIGHT (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table top and base</td>
<td>2300</td>
<td>1100</td>
<td>1400</td>
<td>700</td>
</tr>
<tr>
<td>Tube stand</td>
<td>1410</td>
<td>900</td>
<td>1020</td>
<td>214</td>
</tr>
<tr>
<td>Generator</td>
<td>600</td>
<td>600</td>
<td>1700</td>
<td>163</td>
</tr>
<tr>
<td>Operator console</td>
<td>1350</td>
<td>800</td>
<td>1250</td>
<td>135</td>
</tr>
<tr>
<td>Accessories</td>
<td>1400</td>
<td>1400</td>
<td>1600</td>
<td>334</td>
</tr>
</tbody>
</table>

---

**EXAM ROOM**

**CONTROL ROOM**

**TEMPERATURE AND HUMIDITY SPECIFICATIONS**

**IN-USE CONDITIONS**

**STORAGE CONDITIONS**

**AIR RENEWAL**

**NOTE**

**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.

---

**SHIPPING DIMENSIONS AND WEIGHTS IN BOXES**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
<th>WEIGHT (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table top and base</td>
<td>2300</td>
<td>1100</td>
<td>1400</td>
<td>700</td>
</tr>
<tr>
<td>Tube stand</td>
<td>1410</td>
<td>900</td>
<td>1020</td>
<td>214</td>
</tr>
<tr>
<td>Generator</td>
<td>600</td>
<td>600</td>
<td>1700</td>
<td>163</td>
</tr>
<tr>
<td>Operator console</td>
<td>1350</td>
<td>800</td>
<td>1250</td>
<td>135</td>
</tr>
<tr>
<td>Accessories</td>
<td>1400</td>
<td>1400</td>
<td>1600</td>
<td>334</td>
</tr>
</tbody>
</table>
DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed.
- The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables.
- If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted.
- The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the customer’s responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the delivery and installation date.

Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a way that the loads of the installed system can be securely borne and transferred. The layout of additional structural elements, dimensioning and the selection of appropriate installation methods are the sole responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the ceiling, floor or walls are the customer’s responsibility.

RADIO-PROTECTION

Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

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

<table>
<thead>
<tr>
<th>DATE</th>
<th>NAME</th>
<th>SIGNATURE</th>
</tr>
</thead>
</table>

GLOBAL SITE READINESS CHECKLIST (DI)

<table>
<thead>
<tr>
<th>Doc</th>
<th>Rev</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOC1809666</td>
<td>6</td>
<td>13/MAR/2020</td>
<td>Site Ready Checks at Installation</td>
</tr>
</tbody>
</table>

RADIO PROTECTION

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.

GE does not take responsibility for the specification or provision of radio-protection.