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 drawings. 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.

**SITE NAME**
**CITY**
**COUNTRY**

**GE Healthcare**

**REVOLUTION ACTs**
**FINAL STUDY**

<table>
<thead>
<tr>
<th>Written by</th>
<th>Verified by</th>
<th>Concession</th>
<th>S.O. (GON)</th>
<th>PIM Manual</th>
<th>Rev</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td>5487112-1EN</td>
<td>5</td>
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**Drawn by**

<table>
<thead>
<tr>
<th>Format</th>
<th>Scale</th>
<th>File Name</th>
<th>Date</th>
<th>Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>1:50</td>
<td>EN-CT-TYP-REVOLUTION_ACTs.DWG</td>
<td>19/SEP/2019</td>
<td>01/12</td>
</tr>
<tr>
<td>ITEM</td>
<td>DESCRIPTION</td>
<td>DIMENSIONS LxWxH (mm)</td>
<td>WEIGHT (kg)</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>GANTRY</td>
<td>1783x921x1741</td>
<td>830</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>AAKASH TABLE</td>
<td>583x362x854</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>POWER DISTRIBUTION BOX (PDB)</td>
<td>600x300x800</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>POWER DISTRIBUTION UNIT (PDU)</td>
<td>700x500x1062</td>
<td>275</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>CONSOLE DESK</td>
<td>800x700x700</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>OPERATOR CONSOLE</td>
<td>455x169x432</td>
<td>17.5</td>
<td></td>
</tr>
</tbody>
</table>

WALL - ACCORDING TO RECEIVED DRAWING

EXAM ROOM HEIGHT

FINISHED FLOOR TO SLAB HEIGHT: min. 2.29 m
FALSE CEILING HEIGHT: -
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

ITEM | QTY |
--- | --- |
1 | Gantry anchoring (see Structural Details) |
2 | Table anchoring (see Structural Details) |
3 | 200x100 cable inlet on the floor |
4 | 200x200 cable inlet on the floor and 200x100 vertical duct from the floor to PDB (h=1.10 m) |
5 | 200x70 flush floor duct |
6 | 200x50 cable inlet on the floor |
7 | 150x50 horizontal wall duct |
8 | Power Distribution Box (PDB) |

Flush floor duct
Wall duct
## ANCHORING/LOADING DISTRIBUTION TO THE FLOOR

**CABLE MANAGEMENT**

### FLUSH FLOOR DUCT

- Waterproof joint
- Removable cover

### WALL DUCT

- Removable coverplate

---

## FLOOR REQUIREMENTS

**GE SUPPLIED GANTRY ANCHORS (5479997)**

- Anchors must be embedded at least 125 mm [4.9 in] from concrete floor edge or expansion joint
- Torque anchor to 50 Nm

**FINISHED FLOOR REQUIREMENTS**

- Installation requires a finish floor in the scan and control rooms.
- If a customer does not have concrete floor for the system installation, then the required anchoring must be approved by customer's structural engineer. Floor is customer's responsibility.
- The floor surface in the scan room directly under the gantry and table must be level.
- The floor levelness tolerance of the floor surface that the gantry and table will rest on is 6 mm [0.25 in] over a 3048 mm [10 ft] distance.
- Shims should not be used to compensate for a floor that does not meet this requirement.
- Eight or more floor covering openings that are 102 mm in diameter are made to ensure the table and gantry rest on a solid surface. These floor penetrations can be sealed if required.
- The distance from central line of anchor to edge of concrete basement of Gantry/table should not be less than 155 mm.
- These requirements apply to all installation types.

**NOT TO SCALE**

---

**GE SUPPLIED TABLE ANCHORS (5535487)**

- Anchors must be embedded at least 125 mm [4.9 in] from concrete floor edge or expansion joint

---

**NOTES:**

- Anchors must be embedded at least 125 mm [4.9 in] from concrete floor edge or expansion joint

---

**SCALE 1:20**

---

**DATE**

**REVOLUTION ACTS**

**EN-CT-TYP-REVOLUTION_ACTs.DWG**

**REV C | DATE 19/SEP/2019 | Floor Structural Details | 04/12**
RADIATION PROTECTION LAYOUT

**SHIELDING REQUIREMENTS SCALING**

<table>
<thead>
<tr>
<th>CHANGED PARAMETER</th>
<th>MULTIPLICATION FACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>mAs</td>
<td>new mAs/100</td>
</tr>
<tr>
<td>80 kV</td>
<td>0.24</td>
</tr>
<tr>
<td>100 kV</td>
<td>0.45</td>
</tr>
<tr>
<td>120 kV</td>
<td>0.71</td>
</tr>
<tr>
<td>140 kV</td>
<td>1.00</td>
</tr>
<tr>
<td>1.25 mm aperture</td>
<td>0.09</td>
</tr>
<tr>
<td>5 mm aperture</td>
<td>0.34</td>
</tr>
<tr>
<td>10 mm aperture</td>
<td>0.56</td>
</tr>
<tr>
<td>15 mm aperture</td>
<td>0.81</td>
</tr>
<tr>
<td>20 mm aperture</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**SHIELDING REQUIREMENTS:**

Engage a qualified radiological health physicist to review your scan room shielding requirements, taking into consideration:
- Scatter radiation levels within the scanning room
- Equipment placement.
- Weekly projected work-loads (number of patients/day technique (kvp*ma))
- Materials used for construction of walls, floors, ceiling, doors, and windows.
- Activities in surrounding scan room areas.
- Equipment in surrounding scan room areas (e.g., film developer, film storage)
- Room size and equipment placement within the room relative to room size.

The Illustrations on this page depict measured radiation levels within the scanning room, while scanning a 32 cm CTDI phantom (body), with the technique shown:
- 140 kV
- 100 mA
- 1 sec
- 16x1.25 mm

**NOTE:** Actual measurements can vary. Expected deviations equals ±15%, expect for the 5 mA and 1 mm techniques, where variations may be greater (up to a factor of 2), due to the inherent deviation in small values. The maximum deviation anticipated for tube output equals ±40%.
**POWER REQUIREMENTS**

<table>
<thead>
<tr>
<th>POWER SUPPLY</th>
<th>3 PHASES+G 200/220/240/380/400/415/440/460/480 V ±10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCIES</td>
<td>50/60Hz ± 1Hz</td>
</tr>
<tr>
<td>MAXIMUM POWER DEMAND</td>
<td>40 kVA</td>
</tr>
<tr>
<td>AVERAGE (CONTINUOUS) POWER DEMAND</td>
<td>6.3 kVA</td>
</tr>
<tr>
<td>POWER FACTOR</td>
<td>0.85</td>
</tr>
</tbody>
</table>

- Power 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 separate 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.
- Phase imbalance 2% maximum.
- Transients must be less than 1500V peak. (on a 400V line)

**GROUND SYSTEM**

- System of equipotential grounding.
- 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 all the conducting units in the rooms where GE system units are located.

**CABLES**

- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling 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.

---

[Diagram showing power distribution box (PDB) connections and specifications.]

**Notes:**

1. Two dry contacts: "System ON" and "X-Ray ON", both released by PDU.
   - Max. voltage = 30 V
2. If length < 10 m
   - Cable with 2m extra length on the floor behind the back of PDU
3. Cable with 2m extra length on the floor behind the back of PDU
4. Cable delivered with partial UPS installed by GE (Option)
3 x 400V 3 PHASE MAIN SUPPLY FROM GENERAL ELECTRIC BOARD

PE L1 L2 L3

MBD1 3x80A Type D 300mA

B1 2x2A Type D

MBD1 3x80A Type D 300mA

C1 3x80A

400VAC

0

24VAC

0

2400V

TR1 250VA 400/24V

B2 2x6A Type C

B3 2x6A Type C

SYSTEM ON

R1 R1

SYSTEM ON

X-Ray ON

CONTROL

MBD1

SEO1

OFF

ON

X-Ray ON

PDU

R1 C1 R2 R3

PARTIAL UPS (OPTION)

EMERGENCY CUT-OFF

R1 R1

24VAC

24VAC

ON

R3

PDB SCHEMATICS AND DETAILS THAT APPEAR ON THIS PAGE ARE THE PROPERTY OF "GE MEDICAL SYSTEMS FRANCE" AND COMPLY WITH FRENCH ELECTRICAL CODE NF C 15-100

SE01: Emergency OFF button in exam room
SE02: Emergency OFF button in control room
SE03: Emergency OFF button in technical room (shunt is installed by default)
Y: System remote control in control room
H1: On the door of PDB unit
MBD1: D type magnetic breaker
C1: 24 VAC 50 Hz contactor
B1/B2/B3: Circuit breaker
R1/R2/R3: 24 VAC 50 Hz relay

EARTH BAR

SG56

If length < 10m

H07RN-F

PDU

SYSTEM ON

X-Ray ON

SIGNALLING

H1 White 24VAC

ON Green 24VAC

OFF Red 24VAC

L RED 24VAC

L1 WHITE 24VAC
**TEMPERATURE AND HUMIDITY SPECIFICATIONS**

### IN-USE CONDITIONS

<table>
<thead>
<tr>
<th></th>
<th>EXAM ROOM</th>
<th>CONTROL ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>Min</td>
<td>Recommended</td>
</tr>
<tr>
<td>18°C</td>
<td>22°C</td>
<td>26°C</td>
</tr>
<tr>
<td><strong>Temperature gradient</strong></td>
<td>≤ 3°C/h</td>
<td>≤ 3°C/h</td>
</tr>
<tr>
<td><strong>Relative humidity (1)</strong></td>
<td>30% to 60%</td>
<td>30% to 60%</td>
</tr>
<tr>
<td><strong>Humidity gradient</strong></td>
<td>≤ 5%/h</td>
<td>≤ 5%/h</td>
</tr>
</tbody>
</table>

### STORAGE CONDITIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td>0°C to +30°C</td>
</tr>
<tr>
<td><strong>Temperature gradient</strong></td>
<td>≤ 3°C/h</td>
</tr>
<tr>
<td><strong>Relative humidity (1)</strong></td>
<td>≤ 70%</td>
</tr>
<tr>
<td><strong>Humidity gradient</strong></td>
<td>≤ 5%/h</td>
</tr>
</tbody>
</table>

Storage longer than 6 months is not recommended.

(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.

---

### HEAT DISSIPATION

<table>
<thead>
<tr>
<th>ROOM</th>
<th>DESCRIPTION</th>
<th>HEAT DISSIPATION (kW) MAX</th>
<th>HEAT DISSIPATION (BTU) MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam Room</td>
<td>Gantry</td>
<td>3.50</td>
<td>11945</td>
</tr>
<tr>
<td></td>
<td>Aakash table</td>
<td>0.20</td>
<td>700</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>3.70</td>
<td>12645</td>
</tr>
<tr>
<td>Exam/Technical Room*</td>
<td>Power distribution unit (PDU)</td>
<td>0.70</td>
<td>2389</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>0.70</td>
<td>2389</td>
</tr>
<tr>
<td>Control Room</td>
<td>Operator console with Z440 host PC</td>
<td>0.805</td>
<td>2746</td>
</tr>
<tr>
<td></td>
<td>LCD monitor (Total amount of 2 monitors)</td>
<td>0.03</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td>0.84</td>
<td>2848</td>
</tr>
</tbody>
</table>

*Technical Room is not mandatory, the placements of these elements are recommended in the Exam Room.
**CONNECTIVITY REQUIREMENTS**

Broadband Connections are necessary during the installation process and going forward to ensure full support from the Engineering Teams for the customers’ system. Maximum performance and availability for the customers' system is maintained and closely monitored during the lifetime of the system.

Proactive and reactive maintenance is available utilizing the wide range of digital tools using the connectivity solutions listed below:

- Site-to-Site VPN/GE Solution
- Site-to-Site VPN/Customer Solution
- Connection through Dedicated Service Network
- Internet Access - connectivity for InSite 2.0

The requirements for these connectivity solutions are explained in the broadband solutions catalogue (separate document).

---

**ENVIRONMENT**

**MAGNETIC FIELD SPECIFICATIONS**

- Limit the magnetic interference to guarantee specified imaging performance.

**GANTRY:**
- Ambient static magnetic fields less than 1 Gauss.
- Ambient AC magnetic fields less than 0.01 Gauss peak.

**OPERATOR CONSOLE:**
- Ambient static magnetic fields less than 10 Gauss.
- Use static dissipative vinyl.

**MAXIMUM GANTRY AUDIBLE NOISE LEVEL**

- The maximum ambient noise level is produced by the gantry during a CT scan acquisition.
- It is less than 70 dBA when measured at a distance of one meter from the nearest gantry surface, in any direction.

**MAXIMUM CONSOLE AUDIBLE NOISE LEVEL**

- The maximum ambient noise level is less than or equal to 56 dBA when measured 1m up and 1m away from the console at an ambient temperature of 26 °C.

---

**INTERCONNECTIONS**

Orderable from GE Console Control Room Exam Room Partial UPS Option PDB 13.5m [54.1'] Customer supply 11.5m [71'] 3.0m [9.8'] 3.0m [9.8'] 2.0m [6.6'] 5.97m [20'] 1.5m [5'] 3.0m [9.8'] 3.0m [9.8'] 13.5m [54.1'] 13.5m [54.1'] 13.5m [54.1']
**GANTRY WITH PATIENT TABLE**

**DESK AND CONSOLE**

**POWER DISTRIBUTION UNIT (PDU)**

---

**Table weight:** 25 kg

---

Center of gravity

---

Minimum air flow clearance

---

Seismic mounting brackets

---

Indicates air flow (Convection)
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 WITH DOLLY TRANSPORT EQUIPMENT**

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
</tr>
<tr>
<td>GANTRY (With covers)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>2363</td>
<td>93.1</td>
</tr>
<tr>
<td>WIDTH</td>
<td>921</td>
<td>36.3</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>1853</td>
<td>73</td>
</tr>
<tr>
<td>AAKASH TABLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>2098</td>
<td>82.6</td>
</tr>
<tr>
<td>WIDTH</td>
<td>583</td>
<td>23</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>855</td>
<td>33.7</td>
</tr>
</tbody>
</table>

- The gantry is shipped on a dolly equipped with elevating casters (normal shipping configuration).

NOT TO SCALE
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 local law 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 conformance 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>Customer Name:</th>
<th>PMI Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GON/SD Number:</td>
<td>Field Service Name:</td>
</tr>
<tr>
<td>Equipment:</td>
<td>Country/City or City/State:</td>
</tr>
<tr>
<td>Site Visit Date for SRC:</td>
<td>SRC Status:</td>
</tr>
</tbody>
</table>

Site Ready Checks at Installation

<table>
<thead>
<tr>
<th>General Site Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room dimensions, including ceiling height, for all Exam, Equipment/Technical &amp; Control rooms meets GE specifications.</td>
</tr>
<tr>
<td>Ceiling support structure, if on the GE drawing, is at correct location and height according to the drawing specifications. Levelness and spacing has been measured. Overhead support structure has been confirmed with contractor to meet GE criteria.</td>
</tr>
<tr>
<td>Rooms that will contain equipment, including staging areas if applicable, are construction debris free. Precautions must be taken to prevent debris from entering rooms containing equipment.</td>
</tr>
<tr>
<td>Finished ceiling is installed. If applicable ceiling tiles installed per PMI discretion.</td>
</tr>
<tr>
<td>Delivery route from truck to installation space has been reviewed, all communications have occurred, arrangements made for special handling (if needed). Floors along delivery route will support weight of the equipment, reinforcements arranged if needed.</td>
</tr>
<tr>
<td>System power &amp; grounding (PDB/MDP) is available as per GE specifications, installed at point of final connection and ready to use. Lock Out Tag Out is available.</td>
</tr>
<tr>
<td>System power and grounded audit has been scheduled to be completed during installation of equipment. (If Required) GEHC PM to confirmed if needed.</td>
</tr>
<tr>
<td>Adequate room illumination installed and working.</td>
</tr>
<tr>
<td>Cables/way (floor, wall, ceiling, etc.) ready for GE cables and are of correct length and diameter. Cables/way routed per GE final drawings and access openings installed as determined by GEHC PM. Surface floor duct installed at time of system installation.</td>
</tr>
<tr>
<td>HVAC systems installed, and the site meets minimum environmental operational system requirements.</td>
</tr>
<tr>
<td>Network outlets installed and computer network available and working.</td>
</tr>
<tr>
<td>Hospital IT/connectivity contacts have been engaged and information has been added to Project management tool. (If Required)</td>
</tr>
<tr>
<td>Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications. Floor Strength and thickness have been discussed with customer/contractor and they have confirmed GE specifications are met.</td>
</tr>
<tr>
<td>Customer supplied countertops where GE equipment will be installed are in place.</td>
</tr>
</tbody>
</table>

Specific for CT & K-ray

- Doors and windows complete or scheduled to be installed. If applicable, radiation protection (shielding) finished & radioprotection regulatory approval for installation obtained.
- PMI Signature:
- Customer Signature:
- FS Signature: optional