

# Drawing Index

These sheets are a document set and should not be separated. Electrical information and references are contained on all sheets.

|  |    |
|--|----|
| SITE READINESS   | C1 |
| EQUIPMENT LAYOUT<br>(Equipment locations, heat loads, component weights, environmental specs)                      | A1 |
| STRUCTURAL LAYOUT<br>(Structural support/mounting locations for floor/wall/ceiling, wall support elevations)       | S1 |
| STRUCTURAL DETAILS<br>(Floor and Ceiling loading information)  | S2 |
| ELECTRICAL LAYOUT<br>(Contractor supplied wiring, interconnect methods, junction point locations and descriptions) | E1 |
| ELECTRICAL SPECIFICATIONS<br>(Maximum wiring run lengths, interconnect diagram, system power specifications)       | E2 |
| ELECTRICAL DETAILS   | E3 |
| EQUIPMENT DETAILS  | D1 |

These drawings indicate the placement and interconnection of the listed equipment components. These drawings are not construction or site preparation drawings. Customer remains ultimately responsible for preparing the site to accommodate the operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

## \* REQUIRED REFERENCE \*

Brivo CT385  
Pre Installation Manual  
5426299-1EN

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](http://www.gehealthcare.com/siteplanning)

# GE Healthcare



## CT Site Planning



## Customer Site Readiness Requirements

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE Healthcare Installation Project Manager prior to making changes.
- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE Healthcare Installation Project Manager can supply a reference list of rigging contractors.
- New construction requires the following; 1. Secure area for equipment, 2. Power for drills and other test equipment, 3. Capability for image analysis, 4. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- Contact a radiation physicist or consultant to specify radiation containment requirements.

## GE Equipment Delivery Requirements

The items on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the IS site. Equipment will not be delivered if these requirements are not satisfied.

| GE Healthcare Site Readiness Checklist Rev 19  |                |                       |            |   |
|--|----------------|-----------------------|------------|---|
| Before using this document ensure you have the latest Rev from MyWorkshop on DOC0422752  |                |                       |            |   |
| GEHC Global Order # _____  |                | Customer: _____       |            |   |
| GEHC PMI: _____  |                | FE / Installer: _____ |            |   |
| The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.   |                |                       |            |   |
| Inspection Date: _____   |                |                       |            |   |
| GEHC Minimum Requirements  | Storage ready? | PHI is met?           | FE is met? | Comments<br>If "N", enter comments or action plan |
| 1 <b>MR Magnet Delivery Requirements:</b> Ensure cryogen venting system is available for magnet connection as defined by GEHC Pre-Installation Manual (PHI) requirements, exhaust fan system is installed and operational, 480V power, and chilled water supply is available 24x7 that meets system cooling requirements. External connectivity is available for magnet monitoring and phone service is available during delivery. Surface mount vibromat installed where required. Magnet room final flooring is in place.  |                |                       |            |   |
| 2 <b>MR RF Screen Room Requirements:</b> RF Screen Room is tested with copy of Test Report, emailed to <a href="mailto:Sales@GEHealthcare.com">Sales@GEHealthcare.com</a> . This is compliant with GEHC specifications. Deck Bolt magnet anchors (if applicable) installed using 2 part anchor. For HDx systems, blower box mount bolts installed by RF vendor using 2 part anchors.   |                |                       |            |   |
| 3 <b>State Regulatory Requirements:</b> Facility registration number provided for states of IL, KY, HI, RI, SC, TX. X-ray shielding plan and state acknowledgment letter provided to installer for AR, DC, NC, SC, CO, & WA.<br><b>Site Drawing Requirements:</b> Final version of equipment network and antenna, installation drawings (including red lined versions) verified to match actual room and has been provided to installer.   |                |                       |            |   |
| 4 <b>Surface Penetration Requirements:</b> Customer/Contractor scheduled to provide required drilling or cutting into floors, ceilings, and walls, OR surface penetration permit available and posted in the room when GEHC will perform the work.   |                |                       |            |   |
| 5 <b>Pre-Delivery Route Requirements:</b> The equipment delivery route from the truck to the final destination within the facility has been reviewed with all key stakeholders to safely meet the minimum requirements for equipment access, and all communications/notifications have occurred. Arrangements have been made for special handling (elevator, rigging, floor protection, fork lift, rollback truck, etc).   |                |                       |            |   |
| 6 <b>Finished Room Requirements:</b> Rooms that will contain equipment, including storage areas not in scan suite, are dust free. Provisions taken to maintain a dust free room. Precautions must be taken to prevent dust from entering rooms containing equipment when construction is incomplete in adjacent areas. All walls primed (final coat not needed on Day 1). Shielding doors, and windows are to be installed. No contractor work being done during or after the installation that will cause dust in the installation areas or potential equipment damage. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility. For Storage: Room must meet PHI requirements for storage. |                |                       |            |   |
| 7 <b>Electrical Requirements:</b> Lockable (LOTO) Main Disconnect Panel (MDP) is installed per GE guidelines and system power is available. Conduits, electrical cable ducting/dividers/cable trays, and access flooring is installed in proper location and height. Surface floor duct and load-side wires can be installed at time of system installation. Validate outlet location and requirements meet specifications for device/equipment.   |                |                       |            |   |
| 8 <b>HVAC Requirements:</b> The HVAC/Chilled Water systems designed to maintain the environment per spec/PHI is at running state and appears to provide the desired environmental conditions including location of vents, temperature and humidity for system operation.   |                |                       |            |   |
| 9 <b>Flooring Requirements:</b> Floor is clean and prepared for final floor covering. Floor levelness/flatness is measured and within tolerance, and there are no visible defects per GEHC specifications. Confirm customer anchoring plan aligns with designed floor thickness. Final flooring installed where required for network racks.  |                |                       |            |   |
| 10 <b>Ceiling Requirements:</b> Unistrut (or equivalent) location, levelness and spacing is measured (or vendor confirmed) and consistent with the requirement of the installation drawings. Ensure unistrut and rails are not used as mounting surfaces. Ceiling grid is installed. Permanent lighting is installed and operational. HVAC diffusers are installed and connected to ductwork. Ceiling tiles installed per PHI discretion.  |                |                       |            |   |
| 11 <b>Staging Requirements:</b> Space has been identified to support the active installation process only. This area meets PIM/project book requirements.<br>Storage space has been identified, if needed. This secured space would be used to store equipment indefinitely. If offsite, transportation plan has been developed at customer expense. This space must meet PIM requirements.  |                |                       |            |   |
| 12 <b>Network Connectivity:</b> Hardwire for network connectivity (network drop) is in place prior to delivery with specified network firewall configuration where required. Site Surveys for wireless mobile XR units have been completed.  |                |                       |            |   |
| 13 <b>Medical Gases Requirements:</b> Systems (hard piped or portable) in place to allow testing and calibration of equipment (anesthesia), including ventilation.   |                |                       |            |   |

**GE Healthcare**  
Healthcare Project Implementation - Design Center  
Minneapolis, MN  
Copyright 2009 General Electric Company - Proprietary to GE

SHEET TITLE: SITE READINESS  
MODALITY TYPE: BRIVO CT385  
THIS PLAN IS SUBJECT TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT. ANY ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT. IT IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE RESPONSIBILITY OF ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: 6-92F  
TYPICAL FINAL  
(1700 TABLE)

| PROJECT     | REVISION  |
|-------------|-----------|
| 6-92f       | 03        |
| DATE:       | 18.May.16 |
| DRAWN BY:   | DMH       |
| CHECKED BY: | DJP       |

REVISION HISTORY:

|  |
|--|
|  |
|  |
|  |
|  |
|  |

SHEET  
C1

PIM R9  
RQ - 160838

GE EQUIPMENT LISTING

EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER : NEITHER A QUOTE OR GON WAS ISSUED AT THE DATE OF THESE DRAWINGS

NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.

EQUIPMENT CROSS REFERENCE CHART  
 P = PREAPPROVAL  
 C = CALCULATIONS/PENDING APPROVAL  
 S = SPECIFICATIONS ONLY

| ITEM NO. | QUANTITY ORDERED | REFER TO SHEET "D" | ITEM DESCRIPTION<br>(* = EXISTING/REINSTALL)                       | WEIGHT | HEAT OUTPUT<br>(PER HOUR) | DETAIL NO.                                | STRC PLAN  | ELEC PLAN |
|----------|------------------|--------------------|--|--------|---------------------------|---|------------|-----------|
| 1        | 1                |                    | POWER DISTRIBUTION UNIT  | 300 kg | 700 W                     | B8147                                     | -          | PM S      |
| 2        | 1                |                    | CONSOLE CABINET  | 80 kg  | 840 W                     | B8156                                     | -          | OC S      |
| 3        | 1                |                    | FREEDOM WORKSPACE SMALL TABLE                                      | 44 kg  |                           | B8106                                     | -          | S         |
| 4        | 1                |                    | OPERATOR'S CHAIR   |        |                           |   |            | -         |
| 5        | 1                |                    | CONSOLE CABINET  | 80 kg  | 840 W                     | B8156                                     | -          | OC S      |
| 6        | 1                |                    | OPTIMA TABLE   | 57 kg  |                           | B8157                                     | -          | S         |
| 7        | 1                |                    | OPERATOR'S CHAIR   |        |                           |   |            | -         |
| 8        | 1                |                    | BRIVO 385 GANTRY   | 890 kg | 4430 W                    | B8154<br>B8155<br>B8150<br>B8152<br>B8158 | B7B<br>16B | CTT C     |
| 9        | 1                |                    | PATIENT TABLE WITH EXTENDED TABLE TOP, WITH 396 LB (180kg) PATIENT | 520 kg | 120 W                     |   |            | -         |

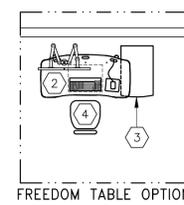
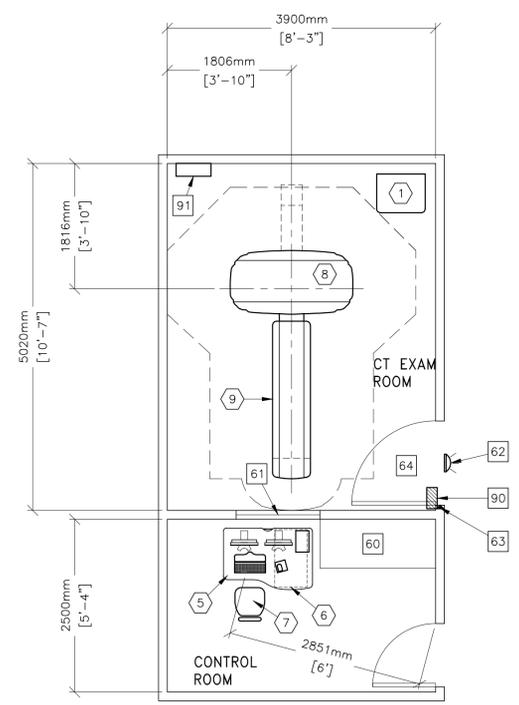
THE FOLLOWING ITEMS, WHICH HAVE BEEN ORDERED FROM GE HEALTHCARE, ARE TO BE INSTALLED BY THE CUSTOMER OR HIS CONTRACTOR.

SCALE: 1:50

EQUIPMENT LAYOUT

RECOMMENDED CEILING HEIGHT = 2438MM

This equipment layout indicates the placement and interconnection of the indicated equipment components. There may be federal, state, and/or local requirements that could impact the placement of these components. It remains the Customer's responsibility for ensuring the site and final equipment placement complies with all applicable federal, state, and/or local requirements.



ANCILLARY ITEMS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

| ITEM NO. | ITEM DESCRIPTION<br>(* INDICATES EXISTING)  |
|----------|---|
| 60       | COUNTER TOP FOR EQUIPMENT-MINIMUM DEPTH 30 IN. OR ADDITIONAL SHELVING MAY BE REQUIRED. PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP. |
| 61       | LEAD GLASS WINDOW   |
| 62       | X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. WXIABWV-DF-XIU   |
| 63       | DOOR LIMIT SWITCH<br>(*REQUIRED IN SOUTH CAROLINA, OTHERWISE NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)  |
| 64       | MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 33.5 IN. W X 74.8 IN. H (850mm X 1900mm). CONTINGENT ON A 90 IN. (2300mm) CORRIDOR WIDTH   |

THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.

|    |  |
|----|--|
| 90 | X-RAY ROOM WARNING LIGHT CONTROL PANEL REFERENCE JUNCTION POINT "WLD" ON SHEET "E1" FOR DETAILED DESCRIPTION "E4502AB" FOR WARNING LIGHT CONTROL ONLY. |
| 91 | MAIN DISCONNECT CONTROL PANEL GEMS CAT. NO. E4502AB  |

GENERAL SPECIFICATIONS

- THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEHC IS SPECIALIST REGARDING ACCEPTABILITY OF OTHER CEILING HEIGHTS.
- CHECK ALL DOOR OPENINGS AND HALLWAYS FROM DELIVERY LOCATION TO WHERE EQUIPMENT IS TO BE INSTALLED TO ENSURE THE ROUTE PHYSICALLY AND STRUCTURALLY WILL ACCOMMODATE THE EQUIPMENT AS SHIPPED.
- RADIATION PROTECTION REQUIREMENTS ARE NOT INDICATED ON THIS PLAN. WHERE NEEDED PER NATIONAL OR LOCAL CODE THEY SHALL BE SPECIFIED BY A QUALIFIED RADIOLOGICAL PHYSICIST.
- THE DEVELOPMENT OF THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, MECHANICAL AND ELECTRICAL SUGGESTIONS IS PREDICATED UPON THE BEST INFORMATION OBTAINABLE FROM THE SITE, COUPLED WITH THE CUSTOMER'S KNOWN DESIRES. ARCHITECTURAL OR ELECTRICAL CHANGES INCLUDING RELOCATION OF EQUIPMENT ILLUSTRATED ON THIS DRAWING IS ALLOWED ONLY WITH NOTIFICATION, IN WRITING, AND REVIEW BY GEHC SERVICE DEPARTMENT. EQUIPMENT OPERATION, SERVICEABILITY, AND RESTRICTING CABLE LENGTHS, ETC., MAKE THIS ESSENTIAL FOR A PROPER IS. GEHC RESERVES THE RIGHT TO MAKE ON THE JOB CHANGES BECAUSE OF CUSTOMER REQUIREMENTS AND/OR OBSTACLES IN CONSTRUCTION, ETC..
- ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM

SITE ENVIRONMENT SPECIFICATIONS

- AMBIENT OPERATING TEMPERATURE: 64° TO 79° F. (18° TO 26° C) MAXIMUM ALLOWABLE TEMPERATURE CHANGE OF 5° F (3° C)/HOUR, MAXIMUM ROOM TEMPERATURE GRADIENT 5° F. (5° C).
- HUMIDITY: 30 TO 60 PERCENT NON-CONDENSING, MAXIMUM ALLOWABLE CHANGE OF 5 PERCENT/HOUR.
- ALTITUDE: NOT TO EXCEED 7875 FT. (2400M) ABOVE SEA LEVEL.
- THE ENVIRONMENT FOR THE ELECTRONICS CABINET MUST BE CONTROLLED SO THE ABOVE RESTRICTIONS ARE NOT EXCEEDED.
- DO NOT RESTRICT THE AIR INTAKE OR AIR EXHAUST OF THE SYSTEM COMPONENTS.
- ENVIRONMENTAL CONDITIONS LISTED ABOVE MUST BE MAINTAINED AT ALL TIMES INCLUDING FOR EXAMPLE OVERNIGHT, WEEKENDS, AND HOLIDAYS.

MAGNETIC INTERFERENCE SPECIFICATIONS

- CT GANTRY MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN ONE GAUSS TO GUARANTEE SPECIFIED IMAGING PERFORMANCE. AMBIENT AC MAGNETIC FIELDS MUST BE BELOW 0.01 GAUSS PEAK.
- CT COMPUTER EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN TEN GAUSS TO GUARANTEE DATA INTEGRITY.
- MULTIFORMAT CAMERA EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN THREE GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.
- CT CONSOLE EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN TEN GAUSS TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.

**GE Healthcare**  
 Healthcare Project Implementation - Design Center  
 Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT  
 MODALITY TYPE: BRIVO CT385  
 THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT. EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
**6-92F**  
**TYPICAL FINAL**  
 (1700 TABLE)

| PROJECT | REVISION |
|---------|----------|
| 6-92f   | 03       |

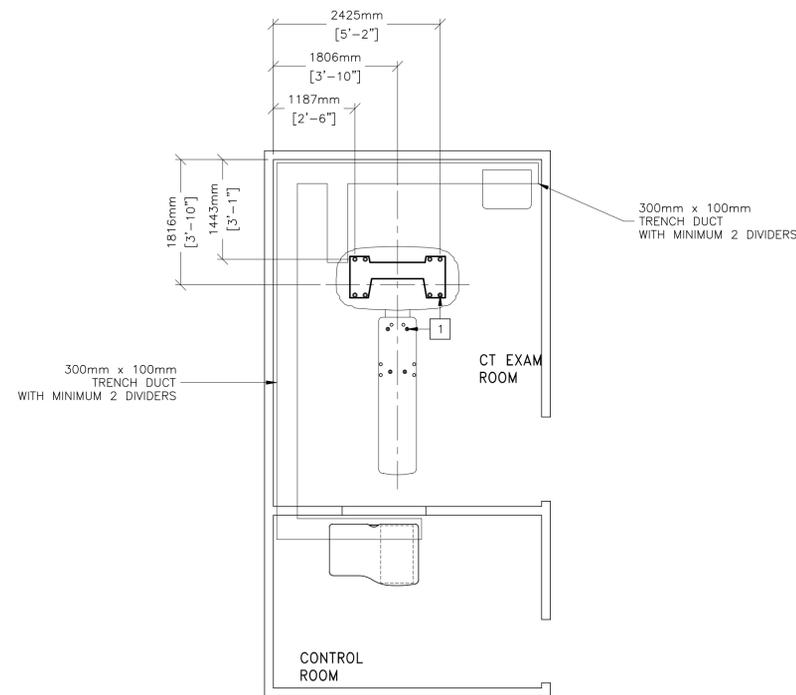
DATE: 18.May.16  
 DRAWN BY: DMH  
 CHECKED BY: DJP

REVISION HISTORY:

|  |
|--|
|  |
|  |
|  |
|  |
|  |

SHEET  
**A1**

PIM R9  
 RQ - 160838



CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

| ITEM NO. | ITEM DESCRIPTION<br>(* INDICATES EXISTING)                           |
|----------|--|
| □        |  |
| □        | LEVELING AREA FOR GANTRY AND TABLE<br>SEE DETAIL B78168 ON SHEET S2. |

STRUCTURAL NOTES

- ALL STEEL WORK AND PARTS NECESSARY TO SUPPORT CEILING MOUNTED EQUIPMENT IS TO BE SUPPLIED BY THE CUSTOMER OR HIS CONTRACTORS.
- 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 1/4" BELOW THE FINISHED CEILING.
- FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 1/4" IN 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.
- THE CUSTOMER IS 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"

**GE Healthcare**  
Healthcare Project Implementation - Design Center  
Milwaukee, Wisconsin

SHEET TITLE: **STRUCTURAL LAYOUT**  
MODALITY TYPE: BRIVO CT385

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT. EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
**6-92F**  
**TYPICAL FINAL**  
(1700 TABLE)

| PROJECT | REVISION |
|---------|----------|
| 6-92f   | 03       |

DATE: 18.May.16  
DRAWN BY: DMH  
CHECKED BY: DJP

REVISION HISTORY:

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |

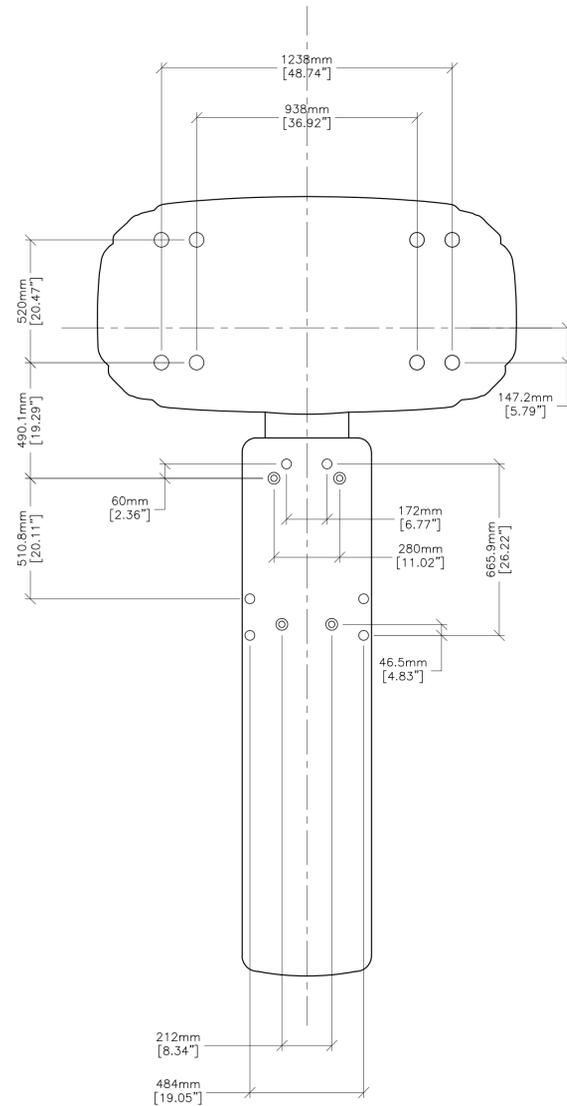
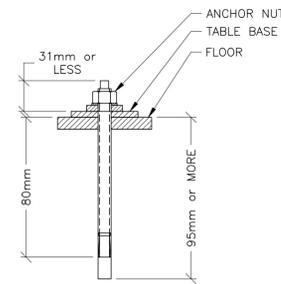
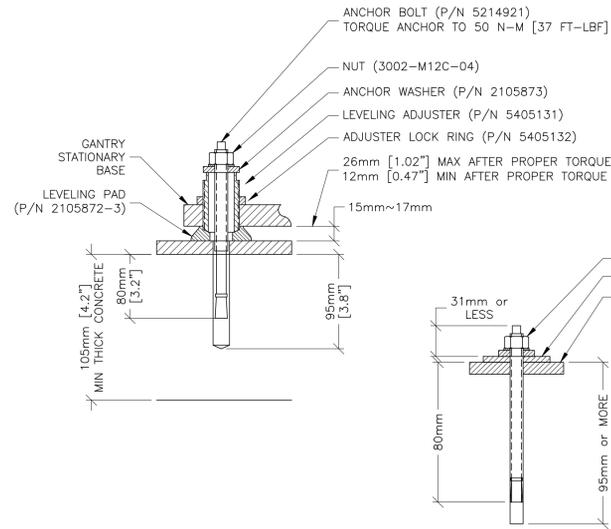
SHEET  
**S1**

PIM R9  
RQ - 160838

# CT GANTRY AND TABLE ANCHOR/LEVELING

B78168

REV. DATE: 04.Jun.13



### FLOOR VIBRATION

THE CT EQUIPMENT MAY BE SENSITIVE TO VIBRATION IN THE FREQUENCY RANGE:  
 PATIENT TABLE: 2-10Hz  
 GANTRY: 8-14Hz  
 DEPENDING ON THE AMPLITUDE OF THE VIBRATION IT IS THE CUSTOMERS RESPONSIBILITY TO CONTRACT A VIBRATION CONSULTANT OR QUALIFIED ENGINEER TO IMPLEMENT DESIGN MODIFICATIONS TO MEET THE SPECIFIC LIMITS. HOWEVER, IT IS ULTIMATELY THE CUSTOMER/ARCHITECT/ENGINEER RESPONSIBILITY TO DESIGN THE SITE SOLUTION.

### STEADY STATE VIBRATION

THE MAXIMUM STEADY STATE VIBRATION TRANSMITTED THROUGH THE FLOOR SHOULD NOT EXCEED  $10^{-3}$  M/S<sup>2</sup> RMS MAXIMUM SINGLE FREQUENCY ABOVE AMBIENT BASELINE FROM 0.5 TO 80 HZ (MEASURED IN ANY 1 HOUR DURING A NORMAL OPERATING PERIOD).

### TRANSIENT VIBRATION

THE BEHAVIORAL CHARACTERISTICS MUST BE SUCH THAT ANY MEASURABLE TRANSIENT DISTURBANCE MUST ALSO BE MINIMIZED TO LESS THAN 0.01 M/S<sup>2</sup> PEAK-TO-PEAK.

### EQUIPMENT LOCATION

TO MINIMIZE THE INTERFERENCE, THE SYSTEM SHOULD BE PLACED ON A SOLID FLOOR, LOCATED AS FAR AS POSSIBLE FROM THE VIBRATION SOURCES, SUCH AS PARKING LOTS, ROADWAYS, SUBWAYS, TRAINS, HALLWAYS, ELEVATORS, AND HOSPITAL PHYSICAL PLANTS. PLEASE NOTE THAT OTHER ITEMS NOT LISTED COULD ALSO BE POTENTIAL SOURCES OF VIBRATION.

DETAIL NOT TO SCALE

SHEET TITLE: STRUCTURAL DETAILS  
 MODALITY TYPE: BRIVO CT385

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF THE HEALTH CARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND FROM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
**6-92F**  
 TYPICAL FINAL  
 (1700 TABLE)

| PROJECT     | REVISION  |
|-------------|-----------|
| 6-92f       | 03        |
| DATE:       | 18.May.16 |
| DRAWN BY:   | DMH       |
| CHECKED BY: | DJP       |

REVISION HISTORY:

|  |
|--|
|  |
|  |
|  |
|  |

SHEET  
**S2**

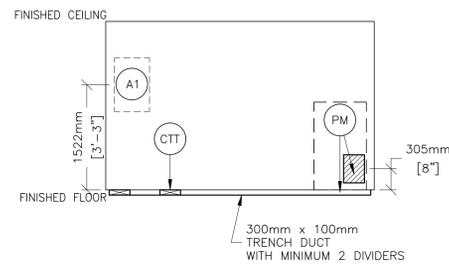
Healthcare Project Implementation - Design Center  
 Milwaukee, Wisconsin

SCALE: 1:50

ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 2438MM

JUNCTION POINT DESCRIPTIONS



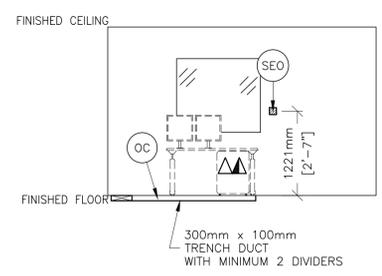
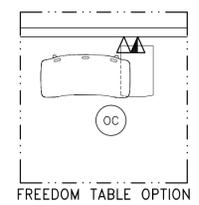
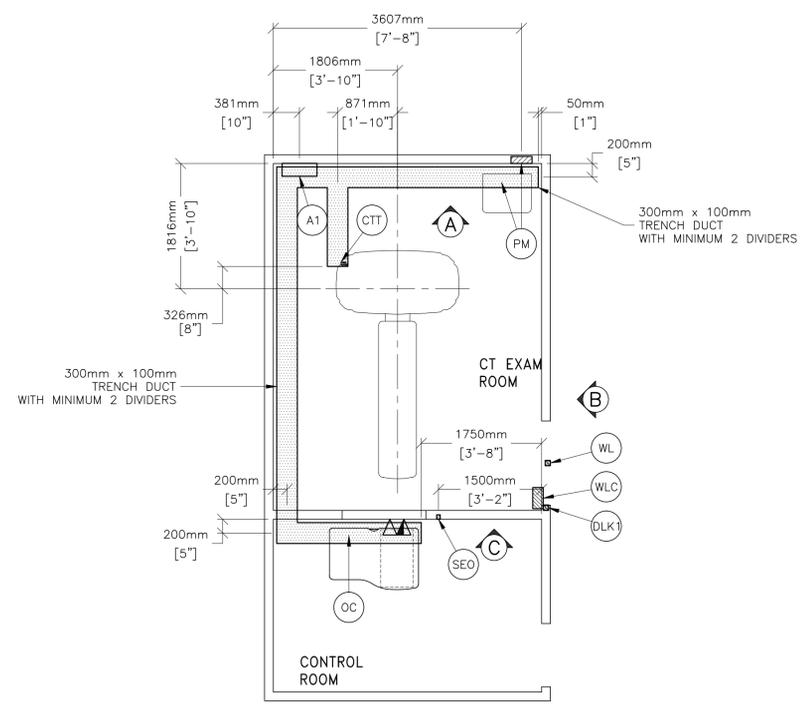
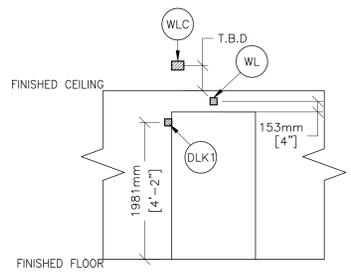
**ELECTRICAL OUTLET LEGEND**  
 CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS.  
 HEIGHT ABOVE FLOOR DETERMINED BY LOCAL CODES UNLESS OTHERWISE SPECIFIED.

△ DEDICATED TELEPHONE LINE(S) (SEE ELECTRICAL DETAIL ELEC-1 OR ELEC-67)  
 ▲ NETWORK OUTLET (SEE ELECTRICAL DETAILS ELEC-83 AND ELEC-84 OR ELEC-87)

**JUNCTION POINT NOTES**

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, CABLE TRAY, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER'S 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:
  - DUCTWORK SHALL BE METAL WITH DIVIDERS AND HAVE REMOVABLE, ACCESSIBLE COVERS.
  - DUCTWORK SHALL BE CERTIFIED/RATED FOR ELECTRICAL POWER PURPOSES.
  - DUCTWORK SHALL BE ELECTRICALLY AND MECHANICALLY BONDED TOGETHER IN AN APPROVED MANNER.
  - PVC AS A SUBSTITUTE MUST BE USED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES.
- ALL OPENINGS IN ACCESS FLOORING ARE TO BE CUT OUT AND FINISHED OFF WITH GROMMET MATERIAL BY THE CUSTOMER'S 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.
- ALL WIRING MUST BE THHN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT INSULATION. ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.
- GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.

| POINT | DESCRIPTION  | QTY. | HARDWARE   | DETAIL NO., SHT. E3 |
|-------|--|------|--|---------------------|
| A1    | MAIN DISCONNECT  | 1    | MAIN DISCONNECT PANEL. INCLUDED IN ORDER EMERGENCY OFF PUSHBUTTON STATION (SEO) IS INCLUDED.     |                     |
| CTT   | CT SCANNER   | 3    | 3 1/2 IN. DIA. CHASE NIPPLES   | ELEC-25             |
| DLK1  | DOOR SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES) | 1    | ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (24V)                                  |                     |
| OC    | OPERATORS CONSOLE  | 2    | 3 1/2 IN. DIA. CHASE NIPPLE  | ELEC-25             |
| OC    | OPERATORS CONSOLE  | 2    | 3 1/2 IN. DIA. CHASE NIPPLE  | ELEC-25             |
| PM    | POWER DISTRIBUTION UNIT                                    | 1    | SPLIT COVERPLATE   | ELEC-25             |
|       |  |      | 3/2 IN. DIA. CHASE NIPPLE  | ELEC-25             |
|       |  |      | 2 IN. DIA. CHASE NIPPLE  |                     |
|       |  |      | SUITABLE CONNECTORS  |                     |
|       |  |      | 1 6 FT. LENGTH OF 1/2 IN. FLEXIBLE METAL CONDUIT   |                     |
|       |  |      | 1 6 FT. LENGTH OF 2 IN. FLEXIBLE METAL CONDUIT   |                     |
| SEO   | EMERGENCY OFF  | 1    | SINGLE GANG 2 1/2 IN. DEEP FLUSH MOUNTED JUNCTION BOX.   | ELEC-16             |
| WL    | WARNING LIGHT  | 1    | "X-RAY ON" INCANDESCENT LIGHT FIXTURE DO NOT USE FLUORESCENT FIXTURES GE CAT. NO. WX1ABWW-DF-XIU |                     |
| WLC   | WARNING LIGHT CONTROLLER                                   | 1    | E4502BL WARNING LIGHT CONTROL OR EQUIVALENT MAX 24V CONTROLLER                                   | ELEC-72             |



**FEEDER TABLE - Brivo CT385**

○ CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.  
 ○ RECOMMENDED FEEDER SIZES FROM DISTRIBUTION TRANS. TO POWER DISTRIBUTION UNIT.  
 ○ THE GROUNDING CONDUCTOR ( ) WILL BE A 1/0 MINIMUM. THIS GROUND WILL RUN FROM THE EQUIPMENT BACK TO THE POWER SOURCE/MAIN GROUNDING POINT AND ALWAYS TRAVEL IN THE SAME CONDUIT WITH THE FEEDERS AND NEUTRAL.  
 ○ NEUTRAL MUST BE TERMINATED PRIOR TO OR INSIDE THE MAIN DISCONNECT PANEL AND NOT BROUGHT INTO THE POWER DISTRIBUTION UNIT.  
 ○ FOR A FULL SYSTEM UPS REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.

| RUN LENGTH IN FEET | POWER SUPPLY VOLTAGE |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|--------------------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    | 180-220              |           | 198-242   |           | 216-264   |           | 342-418   |           | 360-440   |           | 378-462   |           | 396-484   |           | 414-506   |           | 432-528   |           |
|                    | FEEDER               | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    | FEEDER    | GROUND    |
| 50                 | 2 (1/0)              | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   |
| 100                | 2/0 (1/0)            | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   |
| 150                | 5/0 (1/0)            | 3/0 (1/0) | 3/0 (1/0) | 3/0 (1/0) | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   | 4 (1/0)   |
| 200                | 6/0 (1/0)            | 5/0 (1/0) | 4/0 (1/0) | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   | 3 (1/0)   |
| 250                | 6/0 (1/0)            | 6/0 (1/0) | 5/0 (1/0) | 1 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   | 2 (1/0)   |
| 300                | 7/0 (1/0)            | 6/0 (1/0) | 6/0 (1/0) | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   | 1 (1/0)   |
| 350                | 8/0 (1/0)            | 7/0 (1/0) | 6/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) |
| 400                | 8/0 (1/0)            | 8/0 (1/0) | 8/0 (1/0) | 2/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) | 1/0 (1/0) |

(REV. DATE 06.May.15)

**ADDITIONAL CONDUIT RUNS FOR ALL LIGHTSPEED, DISCOVERY, BRIGHTSPEED, OPTIMA SYSTEMS, REVOLUTION EVO, REVOLUTION DISCOVERY CT, HISPEED QX/i, & BRIVO 385 (BY CONTRACTOR)**

**CONDUITS REQUIRED FOR BASE SYSTEM (CONDUITS ARE LOCATED ABOVE CEILING)**

| TO   | FROM              | WIRE SIZE         | REVISION |
|------|-------------------|-------------------|----------|
| WL   | TO WLC            | ONE 1/2" CND.     |          |
| WLC  | TO PM             | ONE 1/2" CND.     |          |
| PM   | TO A1             | ONE CND. AS REQ'D |          |
| A1   | TO SEO            | ONE 1/2" CND.     |          |
| A1   | TO FEEDER         | ONE CND. AS REQ'D |          |
| WLC  | TO 120-V 1Ø POWER | CND. AS REQ'D     |          |
| DLK1 | TO PM             | ONE 1/2" CND.     |          |

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

**CONTRACTOR SUPPLIED AND INSTALLED WIRING**  
 ELECTRICAL CONTRACTOR SHALL RING OUT, TAG AND TERMINATE ALL WIRES AT BOTH ENDS.

| WIRE RUN, FROM - TO | QUANTITY, WIRE SIZE/COLOR                      |
|---------------------|--|
| A1 > SEO            | 1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN |
| 480V > A1           | 3 BLACK, 1 GREEN - REFER TO FEEDER TABLE       |
| A1 > PM             | 3-BLACK, 1 GREEN - REFER TO FEEDER TABLE       |
| PM > DLK1           | 1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN |
| CTT > DLK1          | 1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN |

PROJECT TITLE: 6-92F  
 TYPICAL FINAL  
 (1700 TABLE)

PROJECT: 6-92f  
 REVISION: 03  
 DATE: 18.May.16  
 DRAWN BY: DMH  
 CHECKED BY: DJP

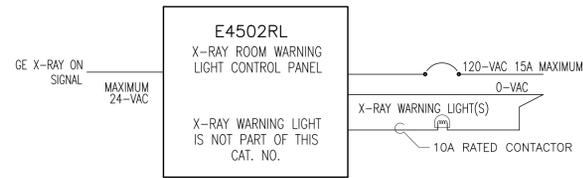
REVISION HISTORY:

SHEET  
 E1

GE Healthcare  
 Healthcare Project Implementation - Design Center  
 Milwaukee, Wisconsin

ELECTRICAL DETAIL  
WARNING LIGHT DIAGRAM

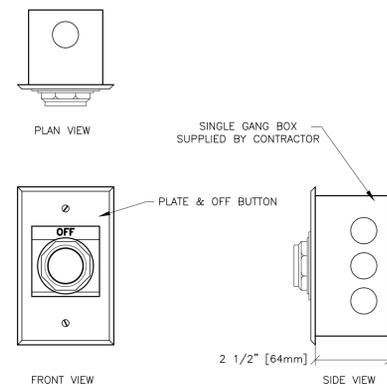
ELEC-72  
REV. DATE: 05/14/09



UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER, ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR.  
DRAWING NOT TO SCALE

ELECTRICAL DETAIL  
EMERGENCY OFF BUTTON

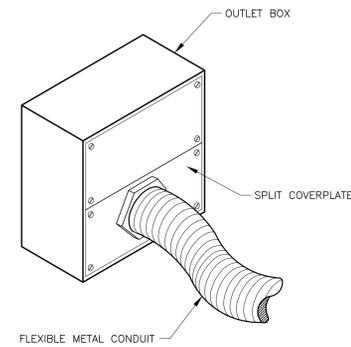
ELEC-16  
REV. DATE: 05/14/09



DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH SPLIT COVERPLATE (TYPICAL)

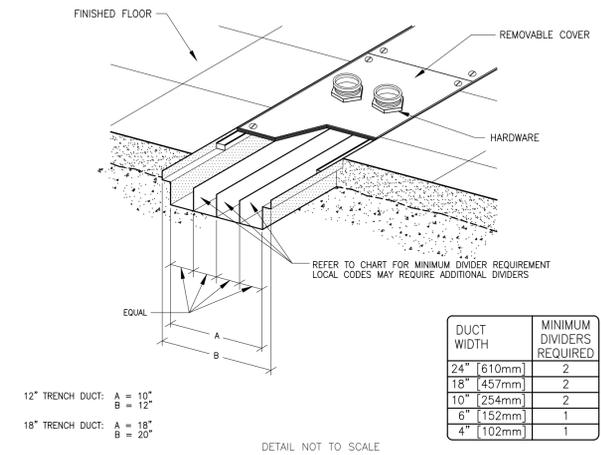
ELEC-22  
REV. DATE: 10/13/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
FLUSH FLOOR DUCT (TYPICAL)

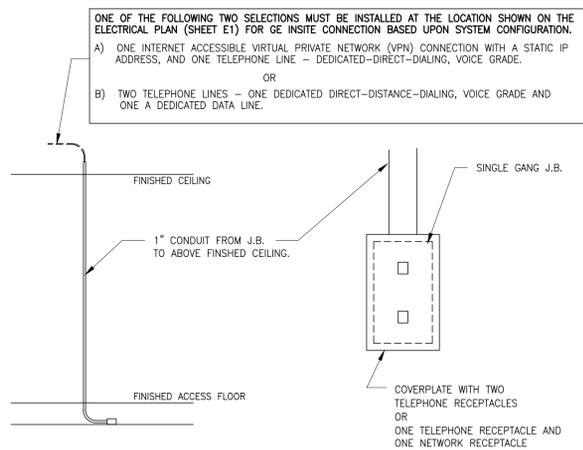
ELEC-25  
REV. DATE: 4/01/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
INSITE CONNECTION (TYPICAL)

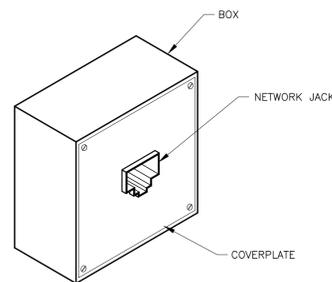
ELEC-67  
REV. DATE: 04/24/02



ALL ITEMS ILLUSTRATED ARE TO FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.  
DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
BOX WITH COVERPLATE AND NETWORK JACK

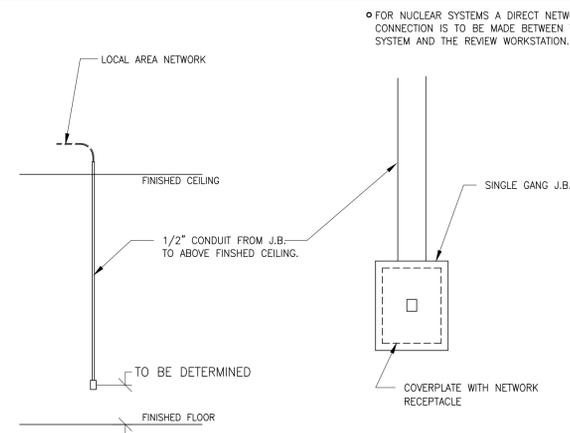
ELEC-83  
REV. DATE: 10/06/98



DETAIL NOT TO SCALE

ELECTRICAL DETAIL  
NETWORK CONNECTION (TYPICAL)

ELEC-84  
REV. DATE: 03/06/04



DETAIL NOT TO SCALE

SHEET TITLE: ELECTRICAL DETAILS  
MODALITY TYPE: BRIVO CT385

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
6-92F  
TYPICAL FINAL  
(1700 TABLE)

| PROJECT     | REVISION  |
|-------------|-----------|
| 6-92f       | 03        |
| DATE:       | 18.May.16 |
| DRAWN BY:   | DMH       |
| CHECKED BY: | DJP       |

REVISION HISTORY:

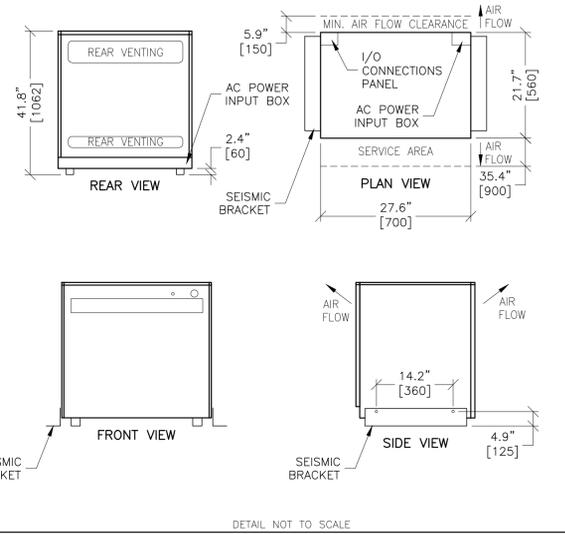
SHEET  
E3

PIM R9  
RQ - 160838

**GE Healthcare**  
Healthcare Project Implementation - Design Center  
Milwaukee, Wisconsin

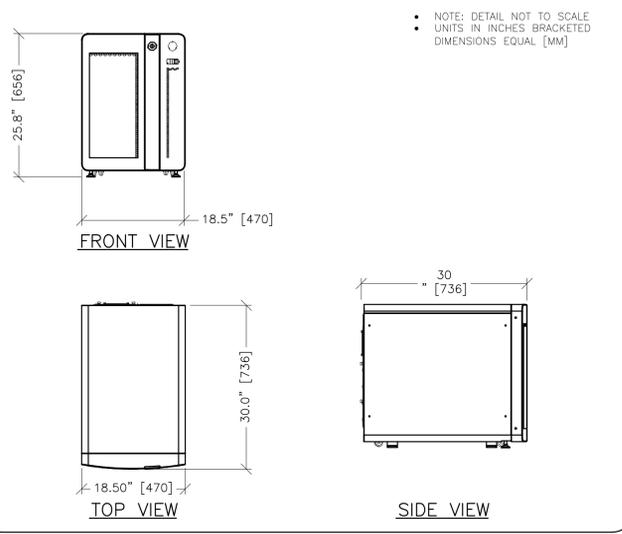
EQUIPMENT DETAIL  
POWER DISTRIBUTION UNIT

B8147  
REV. DATE: 27.MAR.13



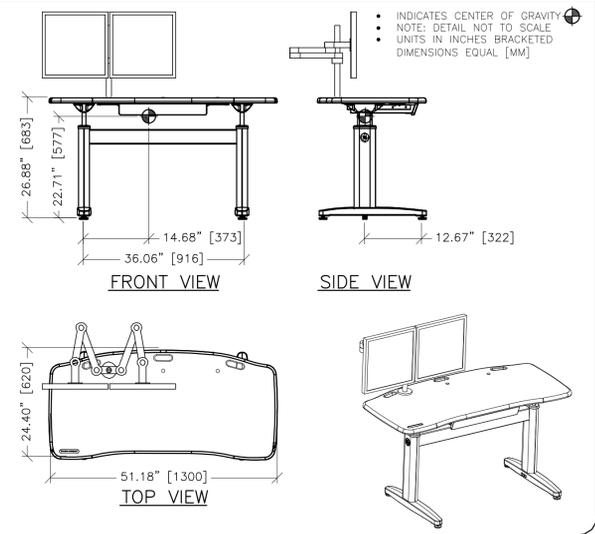
EQUIPMENT DETAIL  
OPERATORS CONSOLE - COMPUTER

B81-56  
REV. DATE: 26.Apr.13



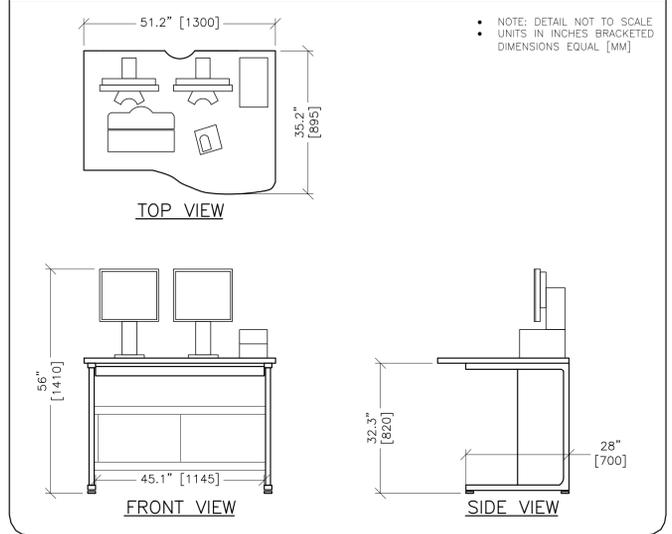
EQUIPMENT DETAIL  
FREEDOM WORKSPACE TABLE

B81-06  
(REV. DATE 30.APR.13)



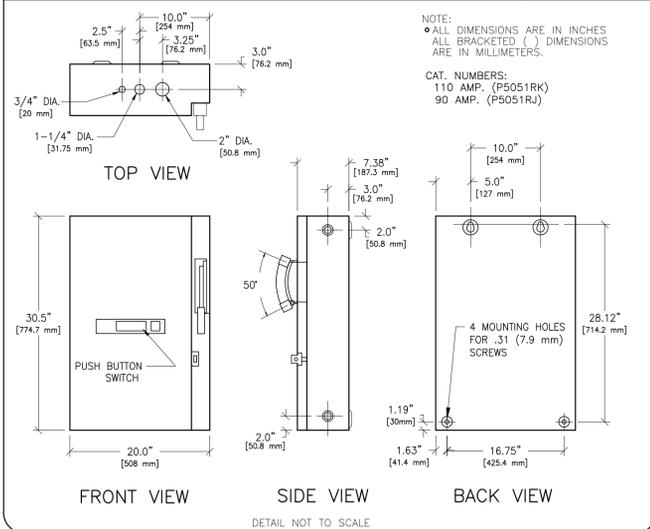
EQUIPMENT DETAIL  
OPTIMA TABLE

B81-57  
REV. DATE: 26.Apr.13



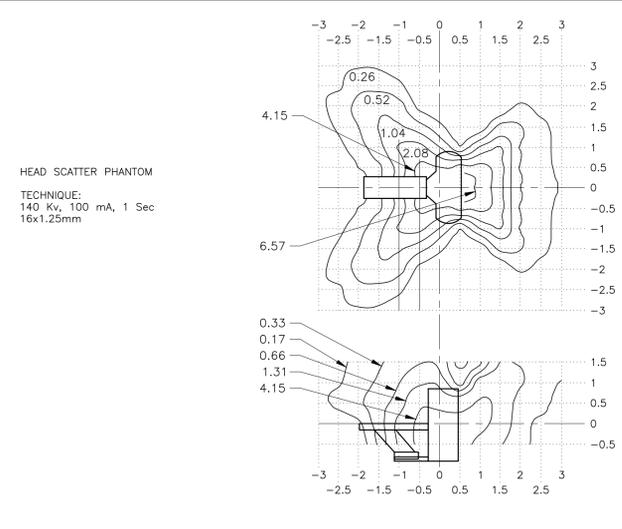
EQUIPMENT DETAIL  
MAIN DISCONNECT CONTROL

P5050R  
REV. DATE: 10/21/05



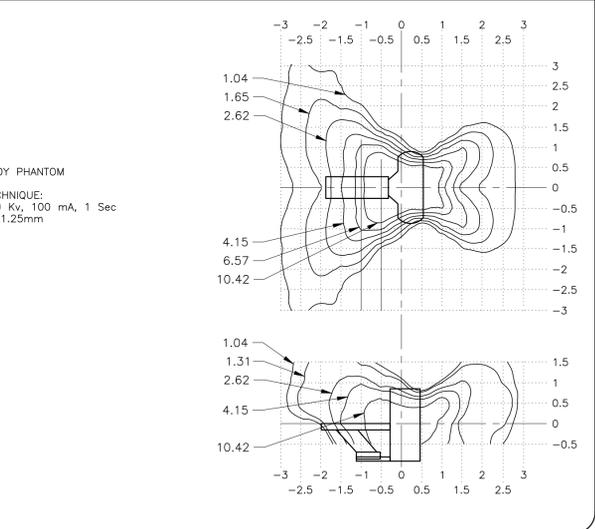
EQUIPMENT DETAIL  
CT TYPICAL SCATTER SURVEY

B81-54  
REV. DATE: 28.MAR.13



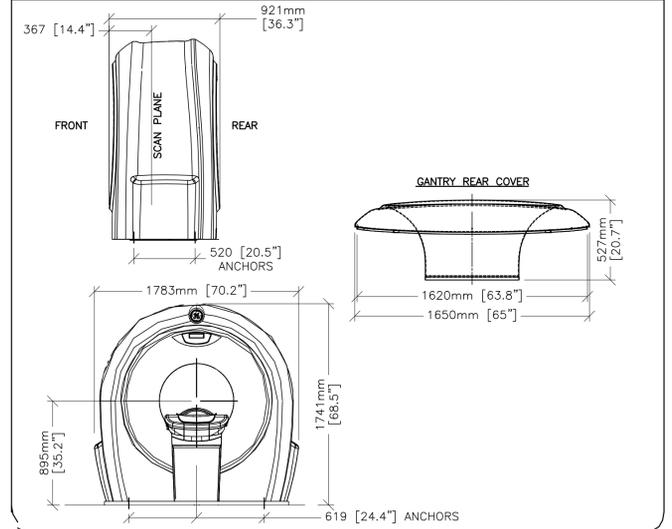
EQUIPMENT DETAIL  
CT TYPICAL SCATTER SURVEY

B81-55  
REV. DATE: 28.MAR.13



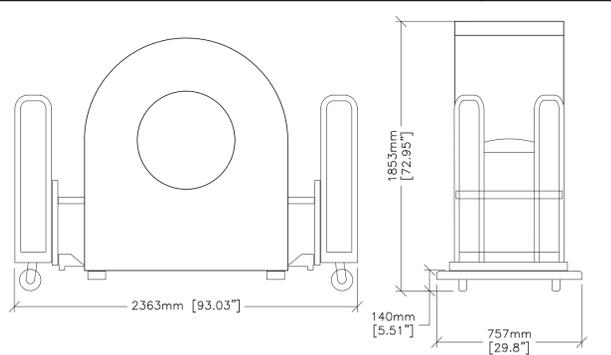
EQUIPMENT DETAIL  
CT GANTRY LAYOUT

B81-50  
REV. DATE: 27.MAR.13



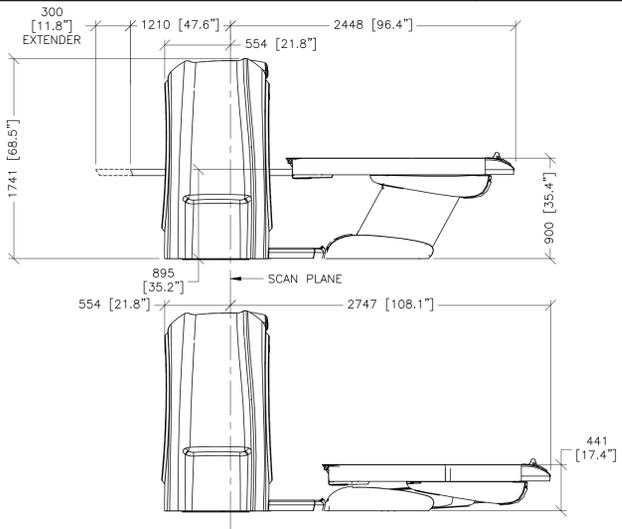
EQUIPMENT DETAIL  
CT GANTRY - SHIPPING DETAIL

B81-52  
REV. DATE: 28.MAR.13

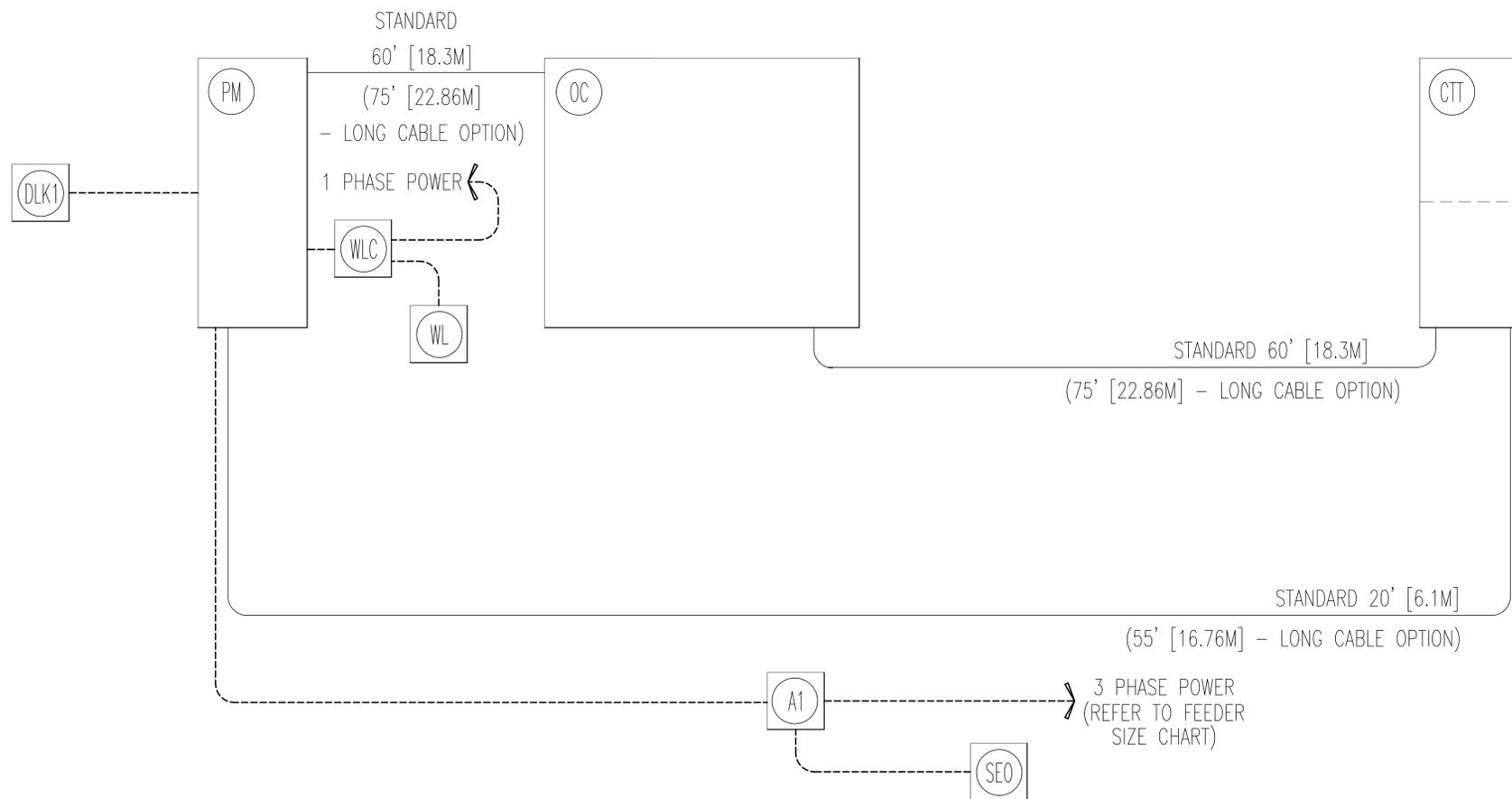


EQUIPMENT DETAIL  
CT GANTRY AND TABLE LAYOUT - SIDE VIEW

B81-58  
REV. DATE: 26.Apr.13



INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

Brivo 385

(REV. DATE 06.May.15)

VOLTAGE: PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS. RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 200 TO 480, 3 PHASE, 50 OR 60 HZ. REQUIRED POWER SUPPLY: WYE CONNECTED. MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

TABLE A ALLOWABLE INPUT VOLTAGES/CURRENT DEMAND

| NOMINAL VOLTAGE | ABSOLUTE RANGE | CURRENT (AMPS) |            | MINIMUM STANDARD OVERCURRENT PROTECTION |
|-----------------|----------------|----------------|------------|---|
|                 |                | MOMENTARY      | CONTINUOUS |   |
| 200             | 180-220        | 115.5          | 18.2       | 150-A                                   |
| 220             | 198-242        | 105            | 16.6       | 150-A                                   |
| 240             | 216-264        | 96.3           | 15.2       | 150-A                                   |
| 380             | 342-418        | 60.8           | 9.6        | 90-A                                    |
| 400             | 360-440        | 57.8           | 9.1        | 90-A                                    |
| 420             | 378-462        | 55             | 8.7        | 90-A                                    |
| 440             | 396-484        | 52.5           | 8.3        | 90-A                                    |
| 460             | 414-506        | 50.2           | 7.9        | 90-A                                    |
| <b>480</b>      | <b>432-528</b> | <b>48.2</b>    | <b>7.6</b> | <b>90-A</b>                             |

(ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE)

PHASE-BALANCE: PHASE-TO-PHASE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE SHOULD BE LIMITED TO 1500V PEAK. VOLTAGE TRANSIENT OR IMPULSE ON THE INCOMING POWER MUST BE HELD TO A MINIMUM. TRANSIENTS CAUSED BY LIGHTNING, SURGES, LOAD SWITCHING, STATIC ELECTRICITY ETC. CAN CAUSE SCAN ABORTS OR, IN EXTREME INSTANCES, COMPONENT FAILURE IN THE COMPUTER SUBSYSTEM.

POWER DEMAND: CONTINUOUS POWER DEMAND = 6.3 KVA (MAX DEMAND = 40 KVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

| DEMAND          | CT   |
|-----------------|------|
| kva *           | 40   |
| POWER FACTOR AT | 0.85 |

\* DEMAND INCLUDES POWER FOR ENTIRE CT SYSTEM. LINE VOLTAGE REGULATION AT MAXIMUM POWER DEMAND MUST BE LESS THAN OR EQUAL TO 6 PERCENT.

DISTRIBUTION TRANSFORMER: FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 50 KVA, WITH 2.4% RATED REGULATION AT UNITY POWER FACTOR. RESULTANT MAXIMUM ALLOWABLE FEEDER REGULATION IS 3.6%

ELECTRICAL NOTES

- NOTE 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. **ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.**
- NOTE 2: WIRE SIZES GIVEN ARE FOR USE OF EQUIPMENT. LARGER SIZES MAY BE REQUIRED BY LOCAL CODES.
- NOTE 3: IT IS RECOMMENDED THAT ALL WIRES BE COLOR CODED, AS REQUIRED IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 4: CONDUIT SIZES SHALL BE VERIFIED BY THE ARCHITECT, ELECTRICAL ENGINEER OR CONTRACTOR, IN ACCORDANCE WITH LOCAL OR NATIONAL CODES.
- NOTE 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.
- NOTE 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.
- NOTE 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).
- NOTE 8: CONDUIT TURNS TO HAVE LARGE, SWEEPING BENDS WITH MINIMUM RADIUS IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 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.
- NOTE 10: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT BE EXCEEDED.
- NOTE 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.
- NOTE 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.

DIAGRAM KEY

- CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.
- GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.
- 59' [18M] MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS. Feet [Meters]

SHEET TITLE: ELECTRICAL SPECIFICATIONS  
MODALITY TYPE: BRIVO CT385

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF THE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:  
**6-92F**  
**TYPICAL FINAL**  
(1700 TABLE)

| PROJECT     | REVISION  |
|-------------|-----------|
| 6-92f       | 03        |
| DATE:       | 18.May.16 |
| DRAWN BY:   | DMH       |
| CHECKED BY: | DJP       |

REVISION HISTORY:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SHEET  
**E2**