

Drawing Index

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

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These equipment installation 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 installation and operation of such equipment in compliance with GE Healthcare's written specifications and all applicable federal, state, and/or local requirements.

* REQUIRED REFERENCE *

BrightSpeed Elite
Preinstallation Manual

5341627-1EN

A mandatory component of this drawing set is the GE Healthcare Preinstallation manual. Failure to reference the preinstallation manual will result in incomplete documentation required for site design and preparation.

Preinstallation documents for GE Healthcare products can be accessed on the web at:

<http://www.gehealthcare.com/company/docs/siteplanning.html>

GE Healthcare



CT Site Planning



imagination at work

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

Items 1 through 8 on the GE Healthcare Site Readiness Checklist are REQUIRED to facilitate equipment delivery to the installation 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:	Storage is ready?	PHI is ready?	FE is ready?	Comments	
				If "N", enter comments or action plan	
1					MR Magnet Delivery Requirements: Ensure cryogen venting system is available for magnet connection as defined by GEHC Pre-Installation Manual (PIM) 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 vibratmat installed where required. Magnet room final flooring is in place.
2					MR RF Screen Room Requirements: RF Screen Room is tested with copy of Test Report, emailed to Siding@CEM@ge.com, that is compliant with GEHC specifications. Dock Bolt and 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					State Regulatory Requirements: Facility registration number provided for states of <u>IL, KY, HI, RI, SC, TX, VA</u> . X-ray shielding plan and state acknowledgment letter provided to installer for <u>AR, DC, NC, SC, CO</u>
4					Site Drawing Requirements: Final version of equipment network and antenna, installation drawings (including red lined versions) verified to match actual room and has been provided to installer.
5					Surface Penetration Requirements: 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.
6					Pre-Delivery Route Requirements: 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).
7					Finished Room Requirements: Rooms that will contain equipment, including storage areas not in scan suite, are dust free. Precautions 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 the risk has been discussed with customer. The customer is aware of these security issues, implications and responsibility. For Storage: Room must meet PIM requirements for storage.
8					Electrical Requirements: 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.
9					HVAC Requirements: The HVAC/Chilled Water systems designed to maintain the environment per spec/PIM is at running state and appears to provide the desired environmental conditions including location of vents, temperature and humidity for system operation.
10					Flooring Requirements: 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.
11					Ceiling Requirements: 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 PIM discretion.
12					Staging Requirements: Space has been identified to support the active installation process only. This area meets PIM/project book requirements.
13					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.
					Network Connectivity: Hardware 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.
					Medical Gases Requirements: Systems (hard piped or portable) in place to allow testing and calibration of equipment (anesthesia, including ventilation).

GE Healthcare Technologies
Installation Services Design Center
Milwaukee, Wisconsin
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SHEET TITLE: SITE READINESS
MODALITY TYPE: BRIGHTSPEED ELITE ENHANCED
THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL LOCAL, STATE AND FEDERAL REGULATIONS AND THE COMPANY'S POLICY ON THE USE OF ACTUAL CONSTRUCTION DIMENSIONS. THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
6-72f
TYPICAL FINAL

PROJECT	REVISION
6-72f	03
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	JGA

REVISION HISTORY:

SHEET
C1

RQ - 140202 PIM R10

GE EQUIPMENT LISTING

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

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

ITEM NO.	QUANTITY ORDERED	REFER TO SHEET "D"	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN
1	1		POWER DISTRIBUTION UNIT	771 lbs	5119 btu	B7858D	-	PM S
2	1		REAR CABLE COVER			B8141	-	-
3	1		CT BRIGHTSPEED GANTRY	3899 lbs	18768 btu	B8108 B8109 B7816F B7816G B7816H B7996M	-	CTT C
4	1		PATIENT TABLE WITH EXTENDED TABLE TOP	1558 lbs	1023 btu	B8110	-	-
5	1		FREEDM WORKSPACE SMALL TABLE	136 lbs	8191 btu	B8105 B8106	-	OC S
6	1		T. I. D. CABINET	194 lbs			-	-
7	1		OPERATOR'S CHAIR				-	-
8	1		STORAGE CABINET (EMPTY CABINET WEIGHT)	99 lbs		M33005	-	-

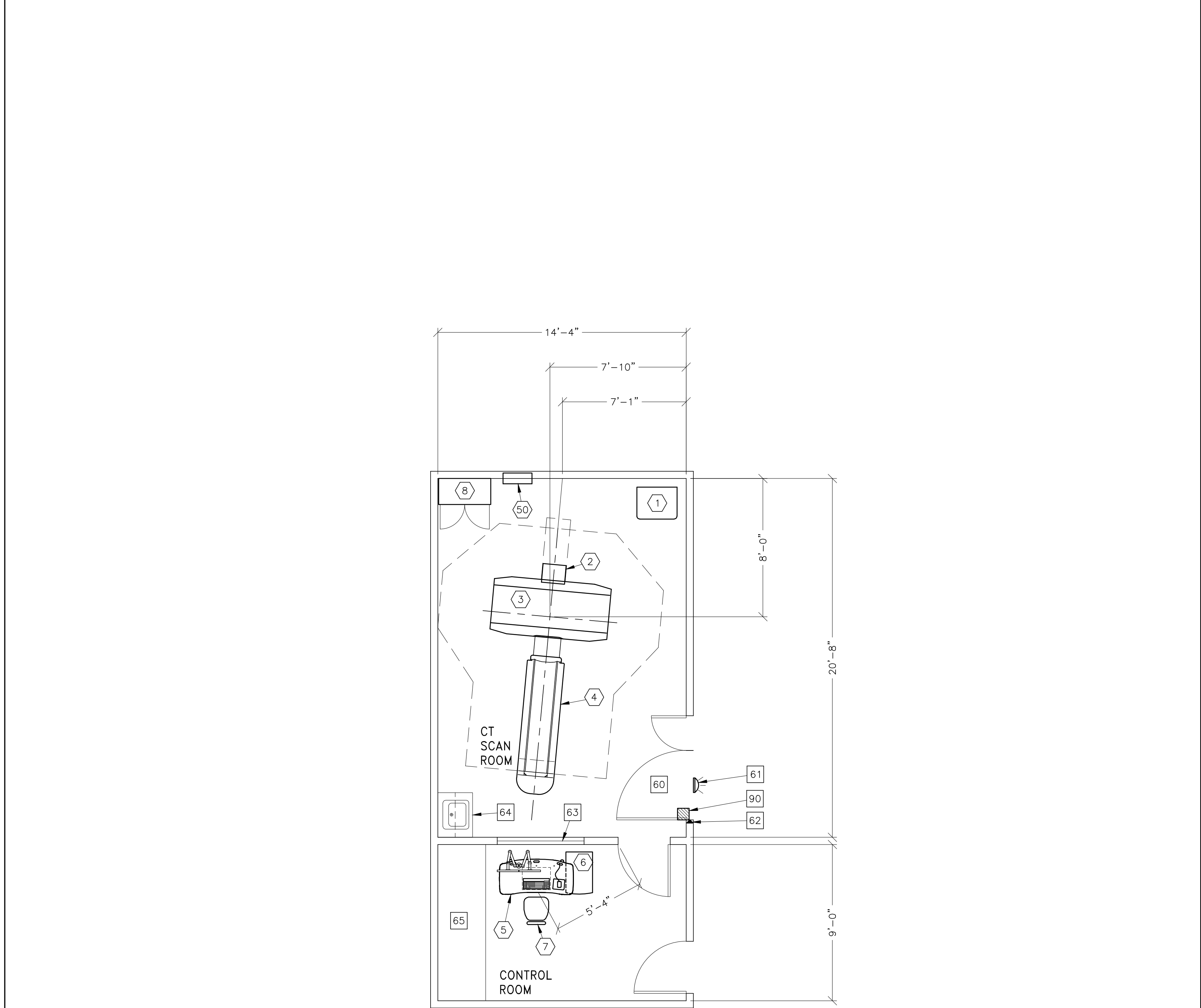
EQUIPMENT CROSS REFERENCE CHART
P = PREAPPROVAL
C = CALCULATIONS/PENDING APPROVAL
S = SPECIFICATIONS ONLY

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

90	1		MAIN DISCONNECT CONTROL CAT NO. E4502AB (IF A UPS IS NOT OR WILL NOT BE ORDERED, THE E4502AD CAN BE USED.)	90 lbs			-	A1 C
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SCALE: 1/4" = 1'-0" EQUIPMENT LAYOUT RECOMMENDED CEILING HEIGHT = 9'-0"

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 (* INDICATES EXISTING)
60	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W X 89 IN. H (118mm X 2108mm), CONTINGENT ON A 96 IN. (2438mm) CORRIDOR WIDTH
61	X-RAY ON WARNING LIGHT - AVAILABLE FROM GE SUPPLY CALL: 800-200-9760 GE CAT. NO. X1A1BW-DF-XIU
62	DOOR LIMIT SWITCH (REQUIRED IN SOUTH CAROLINA, OTHERWISE NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)
63	LEAD GLASS WINDOW
64	COUNTER TOP WITH SINK, BASE AND WALL CABINETS
65	COUNTER TOP FOR EQUIPMENT - PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.

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 'WLC' ON SHEET 'E1' FOR DETAILED DESCRIPTION -E4502RL FOR WARNING LIGHT CONTROL ONLY.
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GENERAL SPECIFICATIONS

- THE REQUIRED CEILING HEIGHT INDICATED ON THESE PLANS IS TO ENSURE EQUIPMENT FUNCTION IS NOT INHIBITED. CONSULT WITH YOUR LOCAL GEHC INSTALLATION 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 INSTALLATION. 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, (3° 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.

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SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: BRIGHTSPEED ELITE ENHANCED
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PROJECT TITLE:
6-72f
TYPICAL FINAL

PROJECT	REVISION
6-72f	03

DATE: 18.Dec.13
DRAWN BY: JPH
CHECKED BY: JGA

REVISION HISTORY:

SHEET
A1

PIM R10
RQ - 140202

TYPICAL WALL SUPPORT ELEVATIONS

SCALE: 1/4" = 1'-0"

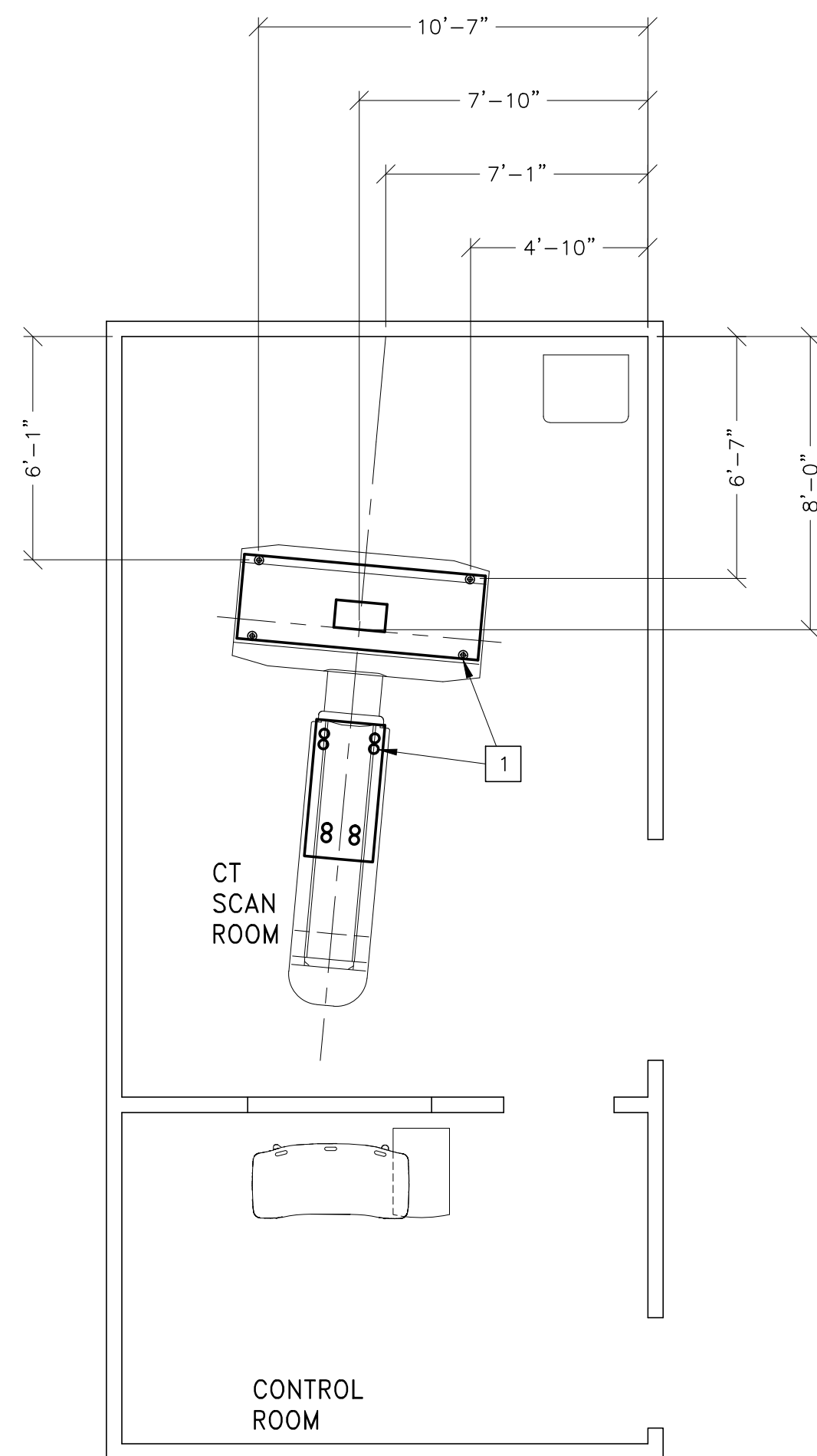
STRUCTURAL LAYOUT

RECOMMENDED CEILING HEIGHT = 9'-0"

STRUCTURAL SUPPORT METHODS

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
1	LEVELING AREA FOR GANTRY AND TABLE SEE DETAIL B79163 ON SHEET S2. CT - BRIGHTSPEED Seismic Zone ANCHORING HARDWARE (WHERE APPLICABLE) ----- <GANTRY> ANCHORS = Hilti KB3 - 5/8 x 10 in. <4 ea.> <GANTRY> Steel Inserts = P-11/16 x 1 x 2.5 in. <4 ea.> <TABLE> ANCHORS = Hilti KB3 - 5/8 x 10 in. <4 ea.> <TABLE> Steel Inserts = P-11/16 x 1 x 2.5 in. <4 ea.> <PDU> ANCHORS = Hilti KB3 - 3/8 x 3.75 in. <4 ea.> <CONTROL> ANCHORS = Hilti KB3 - 3/8 x 3.75 in. <4 ea.> ALL ANCHORS TO INCLUDE 1 FLATWASHER, ALL BOLTS TO INCLUDE 2 FLATWASHERS, 1 LOCKWASHER AND 1 NUT. ALL BRACKETS ARE SHIPPED WITH GE EQUIPMENT.



STRUCTURAL NOTES

- o ALL STEEL WORK AND PARTS NECESSARY TO SUPPORT CEILING MOUNTED EQUIPMENT IS TO BE SUPPLIED BY THE CUSTOMER OR HIS CONTRACTORS.
- o 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.
- o 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.
- o ALL CEILING MOUNTED FIXTURES, AIR VENTS, SPRINKLERS, ETC. TO BE FLUSH MOUNTED, OR SHALL NOT EXTEND MORE THAN 1/4" BELOW THE FINISHED CEILING.
- o FLOOR SLABS ON WHICH EQUIPMENT IS TO BE INSTALLED MUST BE LEVEL TO 1/4" IN 10'-0"
- o DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.
- o CUSTOMERS CONTRACTOR MUST PROVIDE ALL PENETRATIONS IN POST TENSION FLOORS.
- o 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.
- o 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.
- o 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"

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SHEET TITLE: **STRUCTURAL LAYOUT**
 MODALITY TYPE: **BRIGHTSPEED ELITE ENHANCED**
 THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM TO ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
6-72f
TYPICAL FINAL

PROJECT	REVISION
6-72f	03

DATE: 18.Dec.13
 DRAWN BY: JPH
 CHECKED BY: JGA

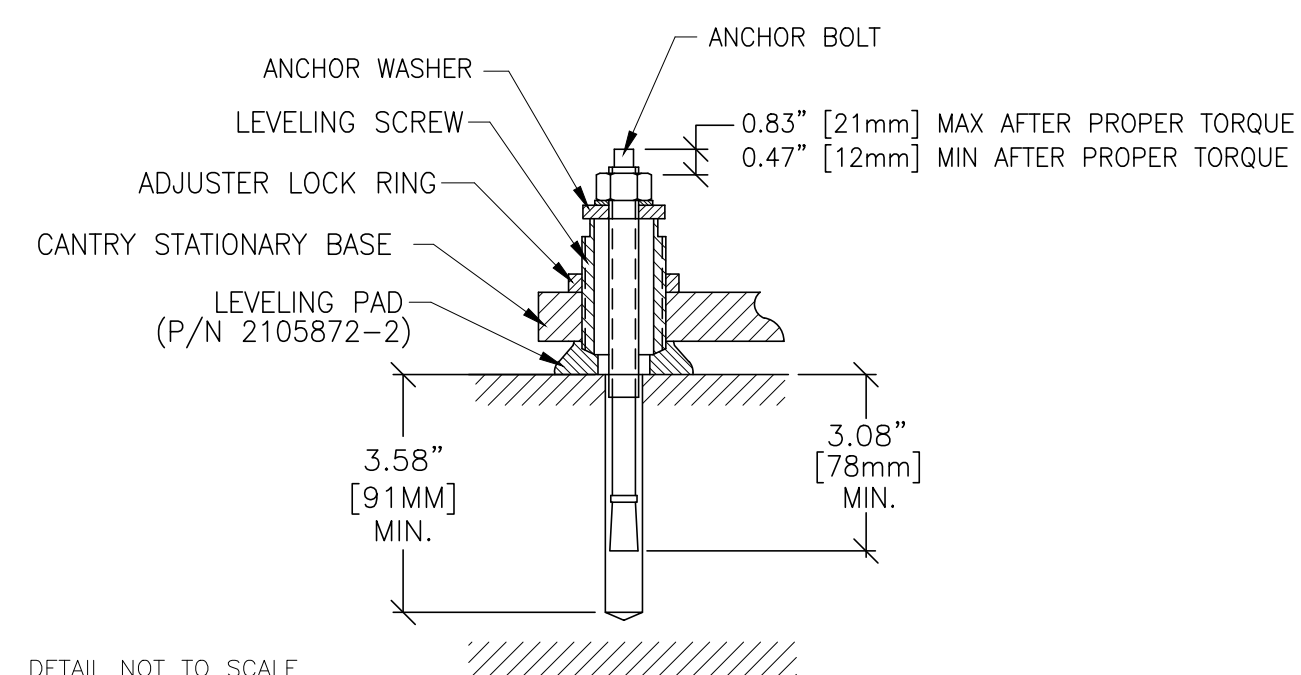
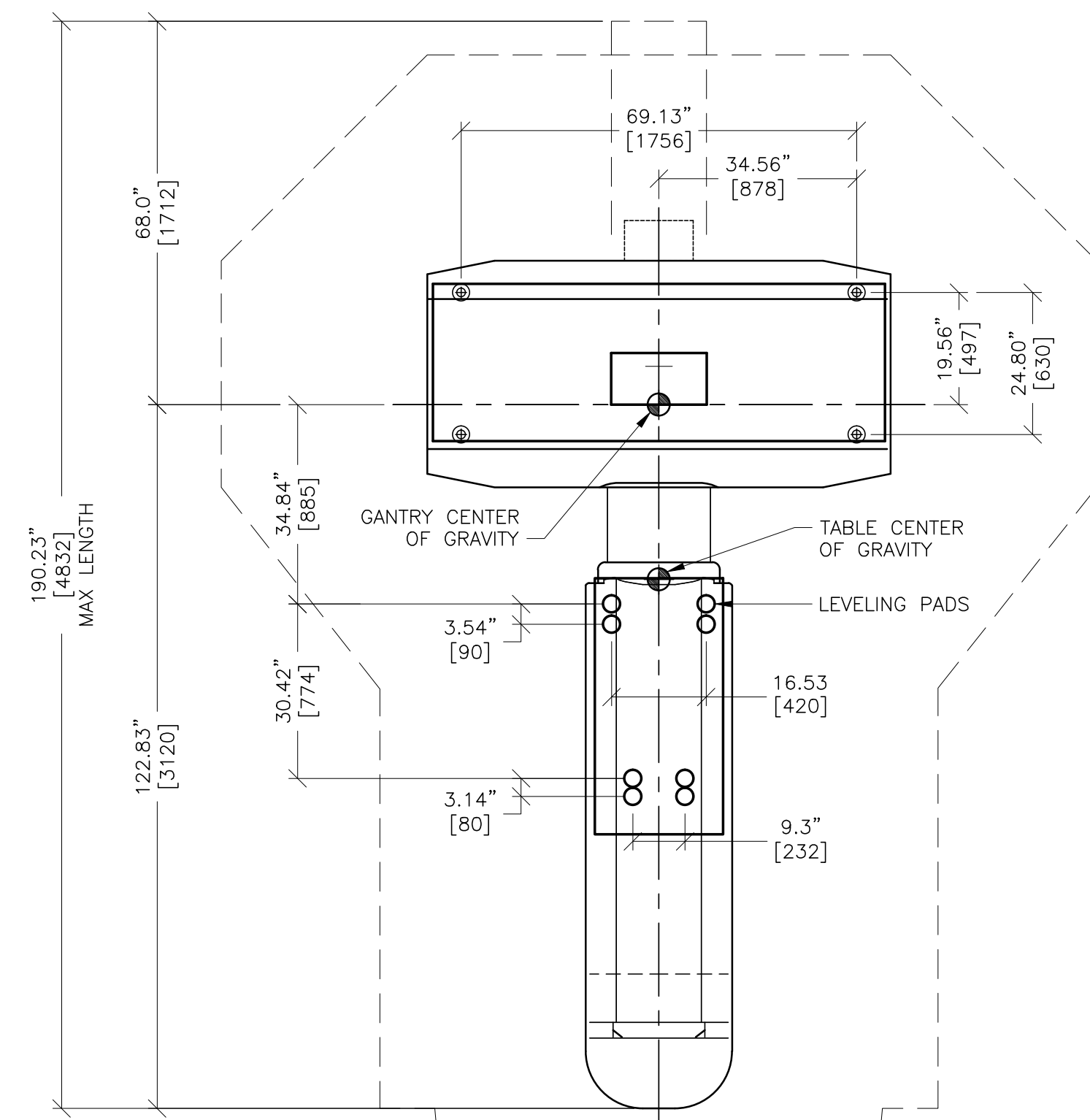
REVISION HISTORY:

SHEET
S1

CT GANTRY AND TABLE ANCHOR/LEVELING

B78163

REV. DATE: 10/19/09



DETAIL NOT TO SCALE

FLOOR VIBRATION

THE CT EQUIPMENT MAY BE SENSITIVE TO VIBRATION IN THE FREQUENCY RANGE OF 0.5 TO 20 HZ 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/S² 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 MEASUREABLE TRANSIENT DISTURBANCE MUST ALSO BE MINIMIZED TO LESS THAN 0.01 M/S² 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.

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: BRIGHTSPEED ELITE ENHANCED

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE MANUFACTURERS' RECOMMENDATIONS AND TO THE COMPANY'S BEST PRACTICES FOR ACTUAL CONSTRUCTION PURPOSES. HOWEVER, THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
6-72f
TYPICAL FINAL

PROJECT	REVISION
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SHEET
S2

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Installation Services Design Center
Milwaukee, Wisconsin
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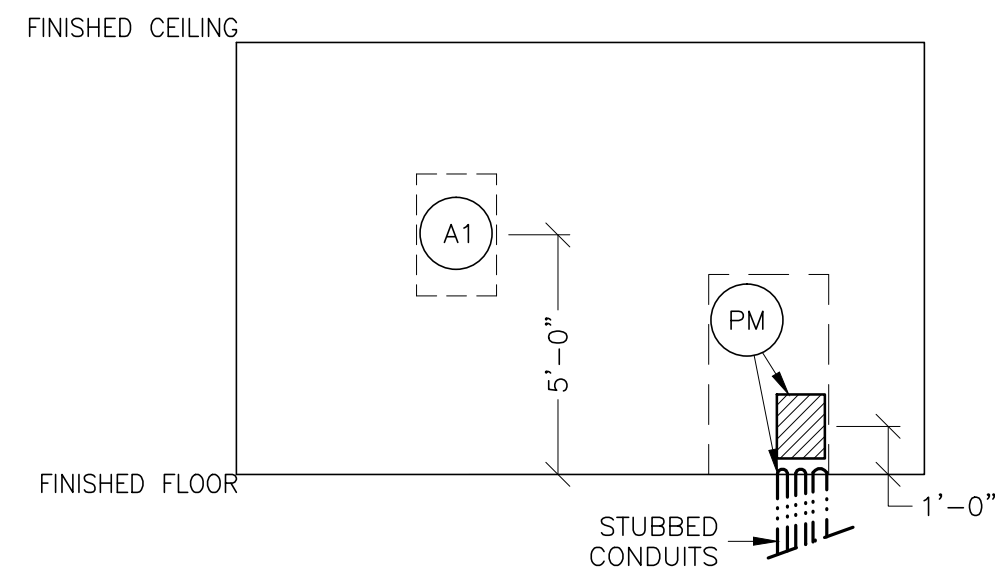
RQ - 140202 PIM R10

SCALE: 1/4" = 1'-0"

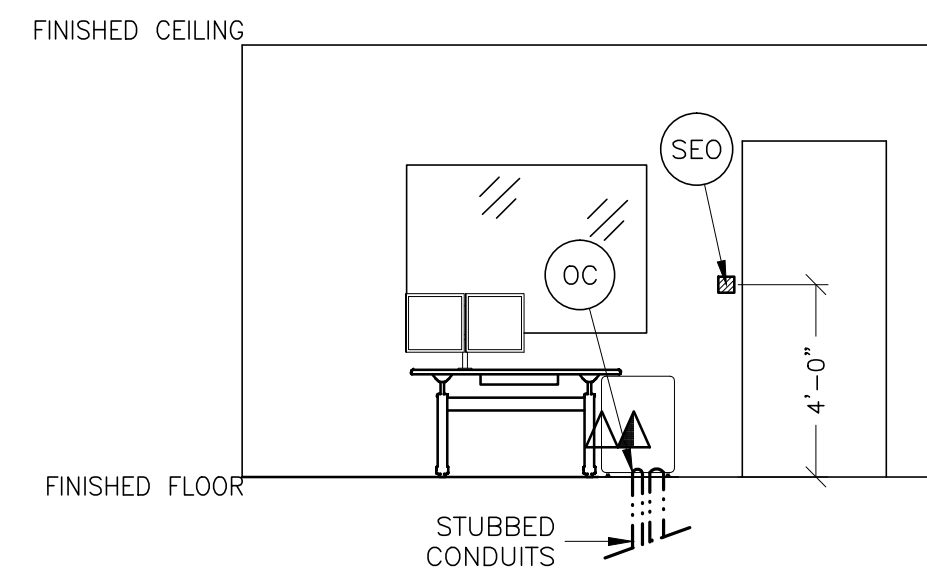
ELECTRICAL PLAN

RECOMMENDED CEILING HEIGHT = 9'-0"

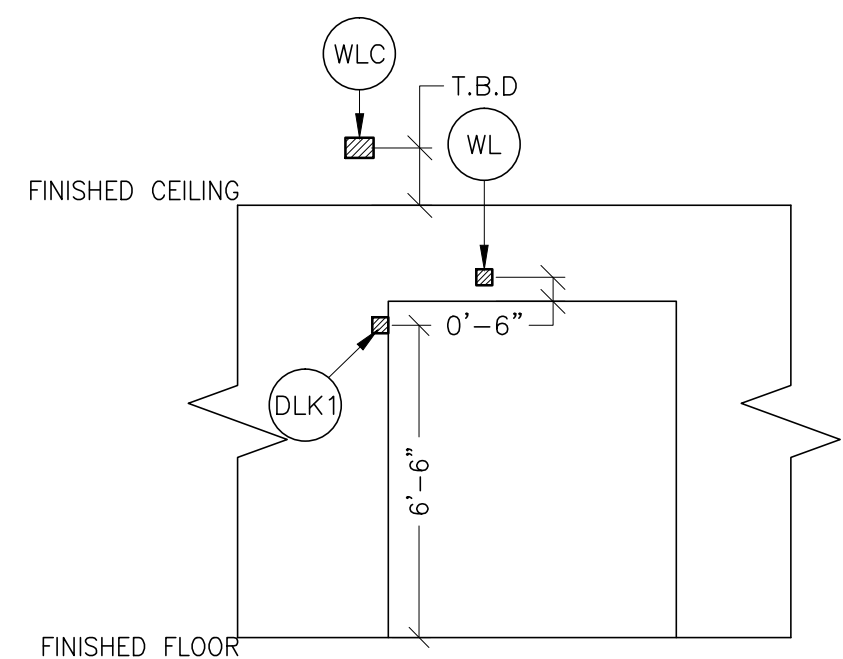
JUNCTION POINT DESCRIPTIONS



A



B



C

FEEDER TABLE - CT Brightspeed Series

o CALCULATIONS BASED UPON NOMINAL VOLTAGE, WIRE SIZE IN AWG.
o RECOMMENDED FEEDER SIZES FROM DISTRIBUTION TRANS. TO POWER DISTRIBUTION UNIT.
o 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.
o NEUTRAL MUST BE TERMINATED PRIOR TO OR INSIDE THE MAIN DISCONNECT PANEL AND NOT BROUGHT INTO THE POWER DISTRIBUTION UNIT.
o FOR A FULL SYSTEM UPS REFER TO ELECTRICAL DETAILS FOR UPS FEEDER WIRES.

RUN LENGTH IN FEET	POWER SUPPLY VOLTAGE											
	350-410		368-432		386-454		405-475		423-497		442-518	
	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND
50	2	(1/0)	2	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)
100	2	(1/0)	2	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)
150	2	(1/0)	2	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)
200	2	(1/0)	2	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)	3	(1/0)
250	1	(1/0)	1	(1/0)	2	(1/0)	2	(1/0)	2	(1/0)	2	(1/0)
300	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	2	(1/0)	2	(1/0)
350	2/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	1	(1/0)
400	2/0	(1/0)	2/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)

REV. DATE: 01/23/09

PLEASE SEE BELOW FOR ADDITIONAL REQUIRED CONDUIT RUNS AND SIZES.

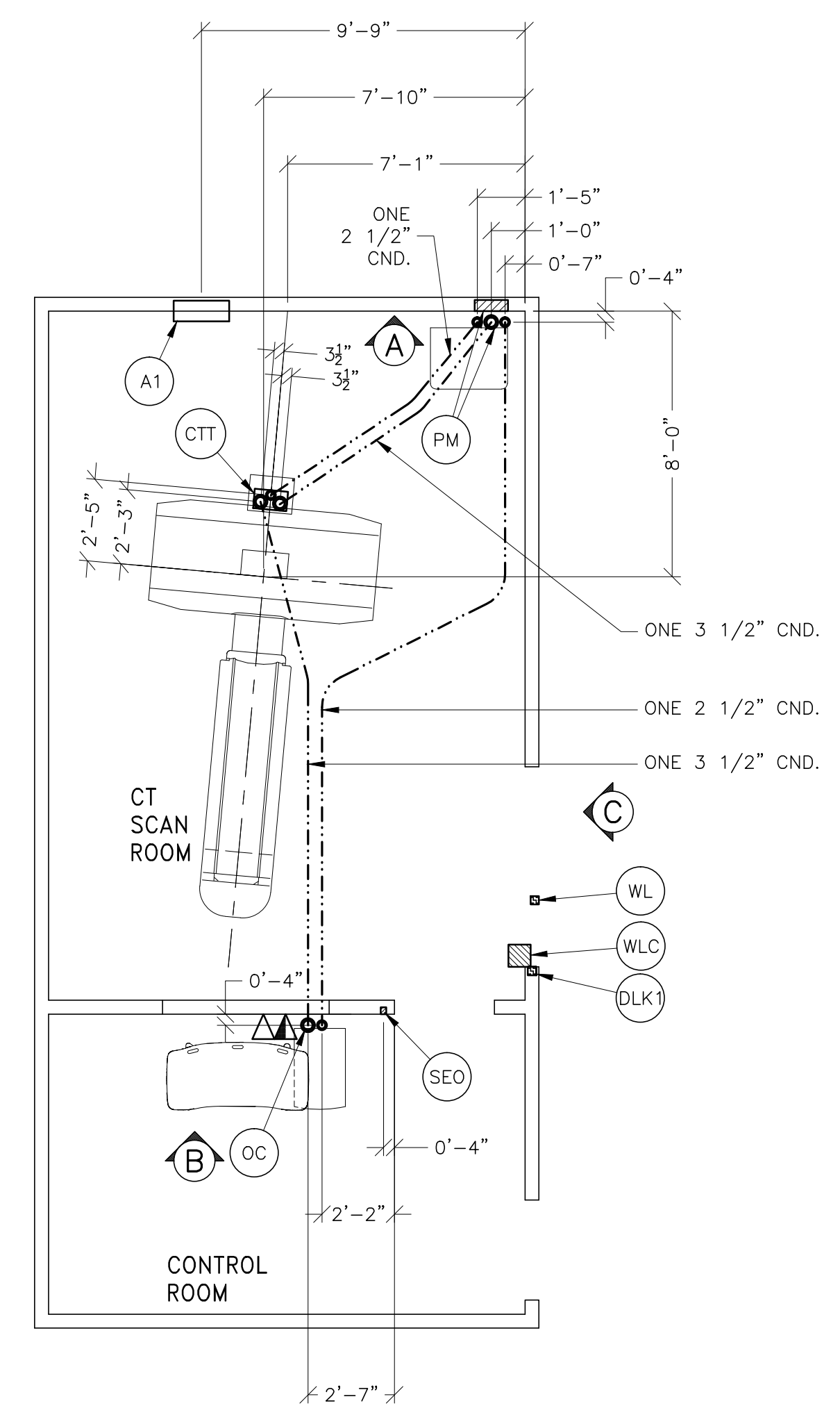
ADDITIONAL CONDUIT RUNS FOR ALL LIGHTSPEED, DISCOVERY, BRIGHTSPEED, OPTIMA SYSTEMS AND THE HISPEED QX/i (BY CONTRACTOR)

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

TO	FROM	CONDUIT SIZE
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 1 ϕ POWER	CND. AS REQ'D
DLK1	TO PM	ONE 1/2" CND.

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

- JUNCTION POINT NOTES**
- o ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMER'S ELECTRICAL CONTRACTOR.
 - o CONDUIT AND DUCT RUNS SHALL HAVE SWEEP RADIUS BENDS
 - o CONDUITS AND DUCT ABOVE CEILING OR BELOW FINISHED FLOOR MUST BE INSTALLED AS NEAR TO CEILING OR FLOOR AS POSSIBLE TO REDUCE RUN LENGTH.
 - o CEILING MOUNTED JUNCTION BOXES ILLUSTRATED ON THIS PLAN MUST BE INSTALLED FLUSH WITH FINISHED CEILING.
 - o 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.
 - o ALL OPENINGS IN ACCESS FLOORING ARE TO BE CUT OUT AND FINISHED OFF WITH GROMMET MATERIAL BY THE CUSTOMER'S CONTRACTOR.
 - o GENERAL CONTRACTOR TO INSERT PULL CORDS FOR ALL CABLE RUN CONDUITS BETWEEN THE EQUIPMENT ROOM AND THE OPERATORS CONTROL ROOM.
 - o 10 FOOT PIGTAILS AT ALL JUNCTION POINTS.
 - o ALL WIRING MUST BE THIN OR TFFN STRANDED COPPER THERMOPLASTIC 600 VOLT OR EQUIVALENT INSULATION. **ALUMINUM OR SOLID WIRES ARE NOT ALLOWED.**
 - o GROUNDING IS CRITICAL TO EQUIPMENT FUNCTION AND PATIENT SAFETY. SITE MUST CONFORM TO WIRING SPECIFICATIONS SHOWN ON THIS PLAN.



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)

DUCT HATCHING LEGEND

[Hatched Box]	ABOVE CEILING DUCT
[Hatched Box]	UNDER FLOOR DUCT
[Hatched Box]	TRENCH DUCT (FLUSH FLOOR)
[Hatched Box]	SURFACE FLOOR DUCT
[Hatched Box]	CABLE TRAY
[Dashed Line]	ABOVE CEILING CONDUIT
[Dashed Line]	BELOW FLOOR CONDUIT

JUNCTION POINT DESCRIPTIONS

DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SHT. E3
A1 MAIN DISCONNECT	1	PANEL - INCLUDED IN ORDER	ELEC-35
CTT CT SCANNER	1	3 1/2 IN. DIA. BUSHING & LOCKNUT 2 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
DLK1 DOOR SWITCH (NEEDED ONLY IF REQUIRED BY STATE/LOCAL CODES)	1	ROOM DOOR INTERLOCK LIMIT SWITCH IN FRAME - NORMALLY OPEN (24V) 1 SINGLE GANG BOX	ELEC-9
OC OPERATORS CONSOLE	1	3 1/2 IN. DIA. BUSHING & LOCKNUT 2 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
PM POWER DISTRIBUTION UNIT	1	SPLIT COVERPLATE 1 1/2 IN. DIA. BUSHING & LOCKNUT 1 1/2 IN. DIA. BUSHING & LOCKNUT 16 FT. LENGTH OF 2 IN. FLEXIBLE METAL CONDUIT SUITABLE CONNECTORS 12 X 16 X 4 IN. BDX 16 FT. LENGTH OF 1/2 IN. FLEXIBLE METAL CONDUIT	ELEC-9 ELEC-22
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. WX1ABW-DF-XIU	ELEC-72
WLC WARNING LIGHT CONTROLLER AVAILABLE FROM GEHC CALL 800-558-5102 OR LOCAL GE INSTALLATION PROJECT MGR.	1	E4502RL WARNING LIGHT CONTROL OR EQUIVALENT MAX. 24V CONTROLLER	ELEC-72

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

WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
WLC > 1 PHASE	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
WL > WLC	2-ND. 14 BLACK, 1-ND. 14 RED, 1-ND. 14 WHITE
A1 > SEO	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN
A1 > PDU	3-BLACK, 1 GREEN - REFER TO FEEDER TABLE
480V > A1	3 BLACK, 1 GREEN - REFER TO FEEDER TABLE
PM > DLK1	1-ND. 14 BLACK, 1-ND. 14 WHITE, 1-ND. 14 GREEN

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Installation Services Design Center
 Milwaukee, WI
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SHEET TITLE: **ELECTRICAL LAYOUT**
 MODALITY TYPE: **BRIGHTSPEED ELITE ENHANCED**
 THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: **6-72f**
TYPICAL FINAL

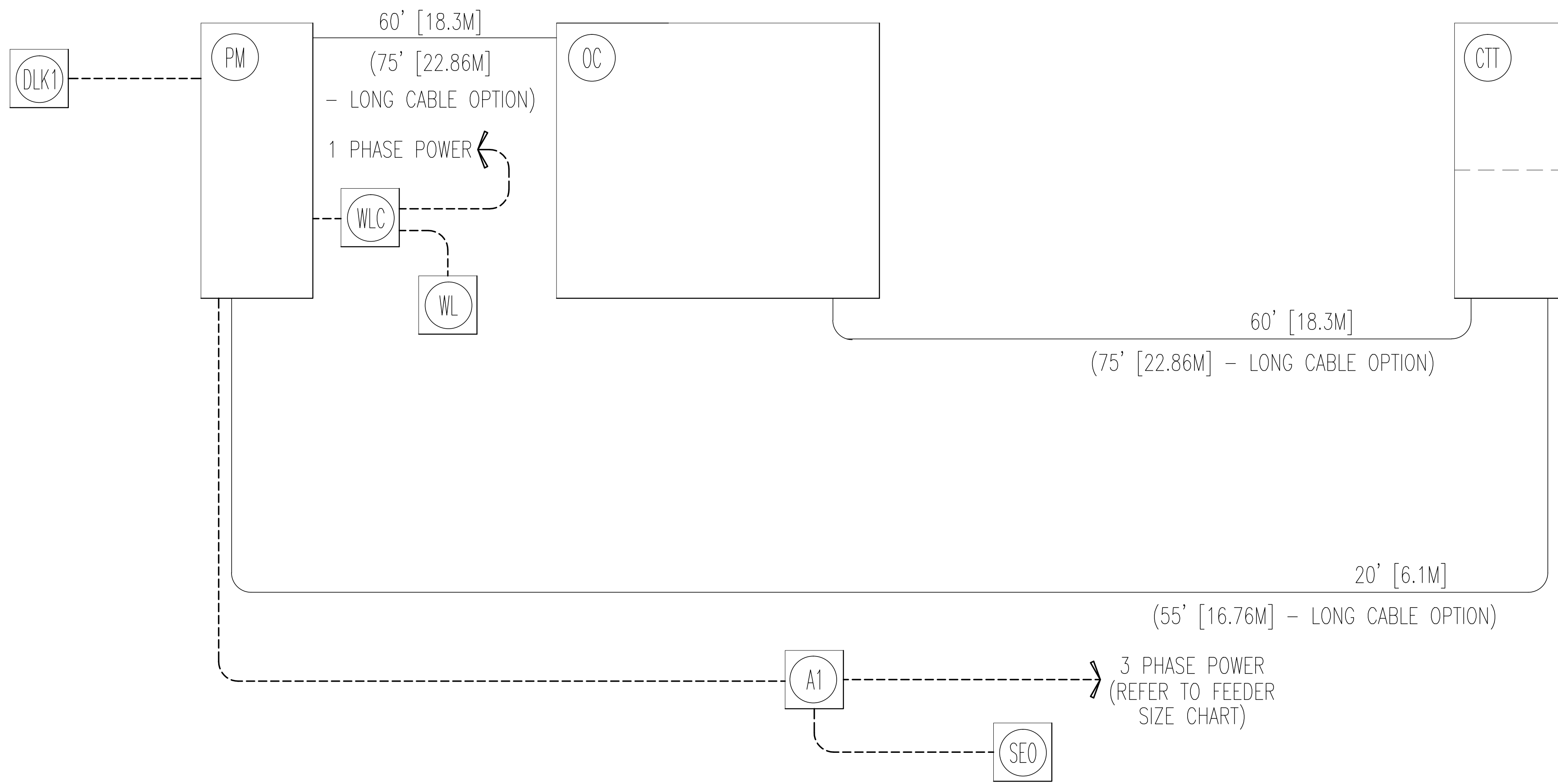
PROJECT	REVISION
6-72f	03
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	JGA

REVISION HISTORY:

SHEET
E1

RQ - 140202 PIM R10

INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

CT Brightspeed Series

(REV. DATE 29.MAY.12)

VOLTAGE
 PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS. RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 380 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	
380	342-418	137	30	110-A
400	360-440	130	29	110-A
420	378-462	124	27	100-A
440	396-484	118	26	100-A
460	414-506	113	25	90-A
480	432-528	108	24	90-A

(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 = 20 KVA (MAX DEMAND = 90 KVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	CT HiSpeed
kVa *	90
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 112.5 KVA, WITH 2.4% RATED REGULATION AT UNITY POWER FACTOR. RESULTANT MAXIMUM ALLOWABLE FEEDER REGULATION IS 3.4%

NOTE: THE CT SYSTEM MUST NOT BE POWERED IN A MULTIPLE INSTALLATION WHERE FILM CHANGERS ARE USED. FILM CHANGERS UTILIZE A LARGE NUMBER OF HIGH POWERED CLOSELY SPACED EXPOSURES WHICH MAY COINCIDE WITH THE CT SCAN.

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.

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]

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SHEET TITLE: **ELECTRICAL SPECIFICATIONS**
 MODALITY TYPE: **BRIGHTSPEED ELITE ENHANCED**
THIS PLAN IS SUBMITTED TO SURVEY LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS TO ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE ALARM AND SIGNALING CODE, THE NATIONAL CONSTRUCTION EDUCATION PROGRAM, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:
6-72f
TYPICAL FINAL

PROJECT	REVISION
6-72f	03
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	JGA

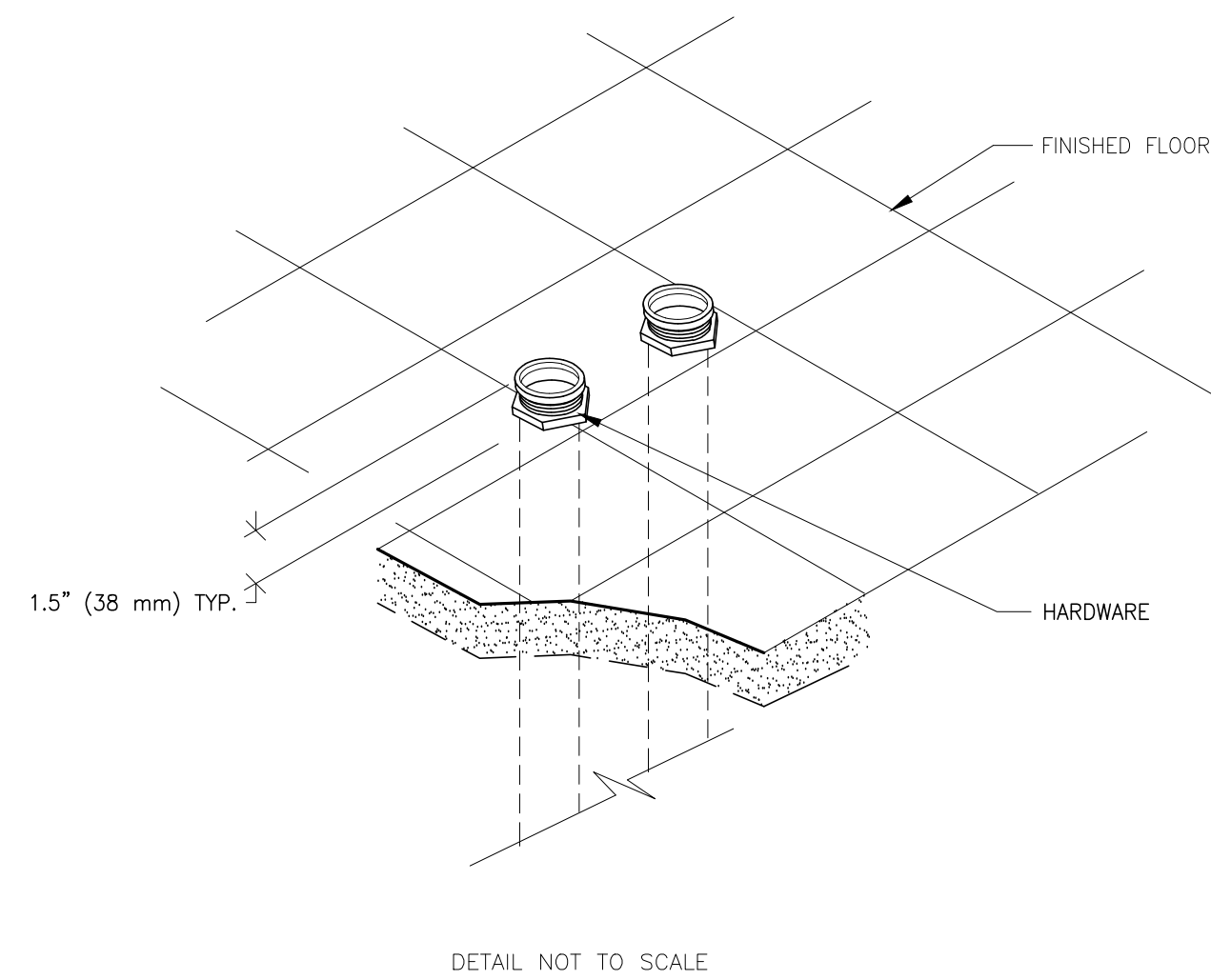
REVISION HISTORY:

SHEET
E2

PIM R10
RQ - 140202

ELECTRICAL DETAIL
CONDUITS THRU-FLOOR (TYPICAL)

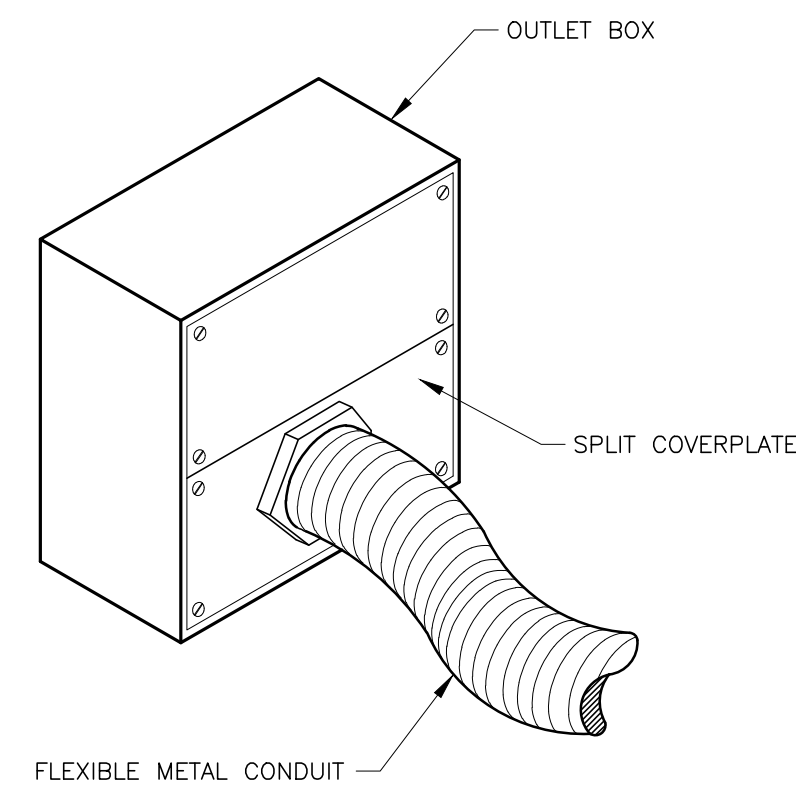
ELEC-9
REV. DATE: 08/08/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH SPLIT COVERPLATE (TYPICAL)

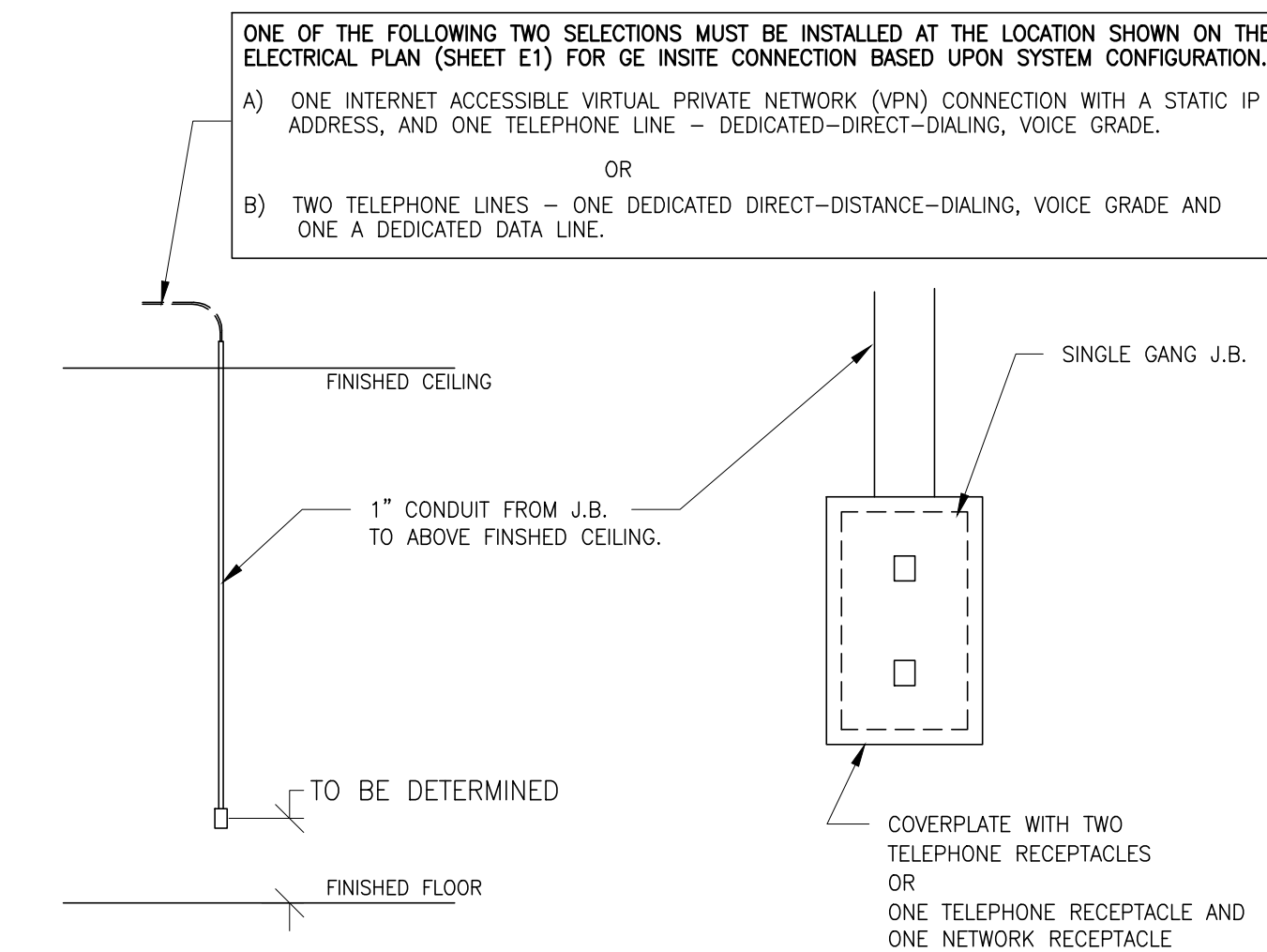
ELEC-22
REV. DATE: 10/13/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
INSITE CONNECTION (TYPICAL)

ELEC-1
REV. DATE: 04/24/02

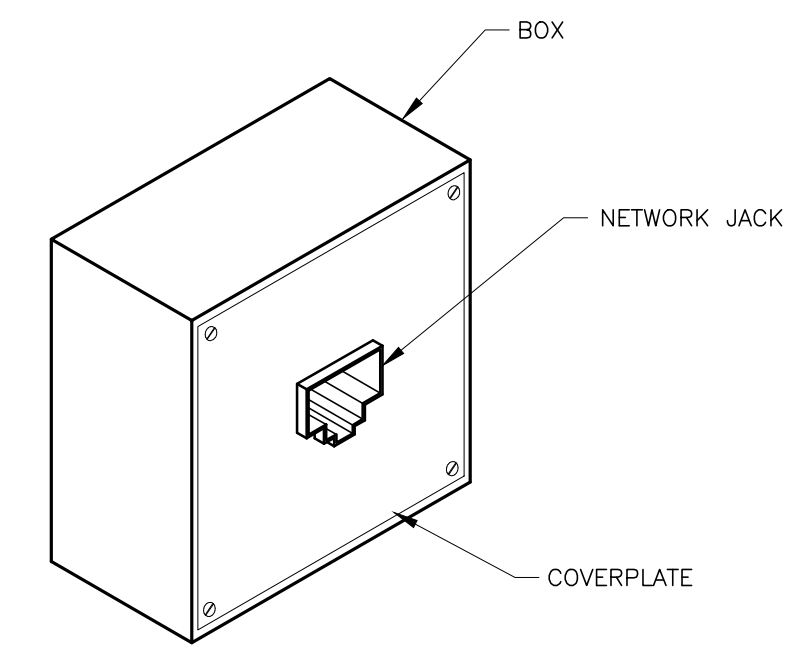


ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.

DETAIL NOT TO SCALE

ELECTRICAL DETAIL
BOX WITH COVERPLATE AND NETWORK JACK

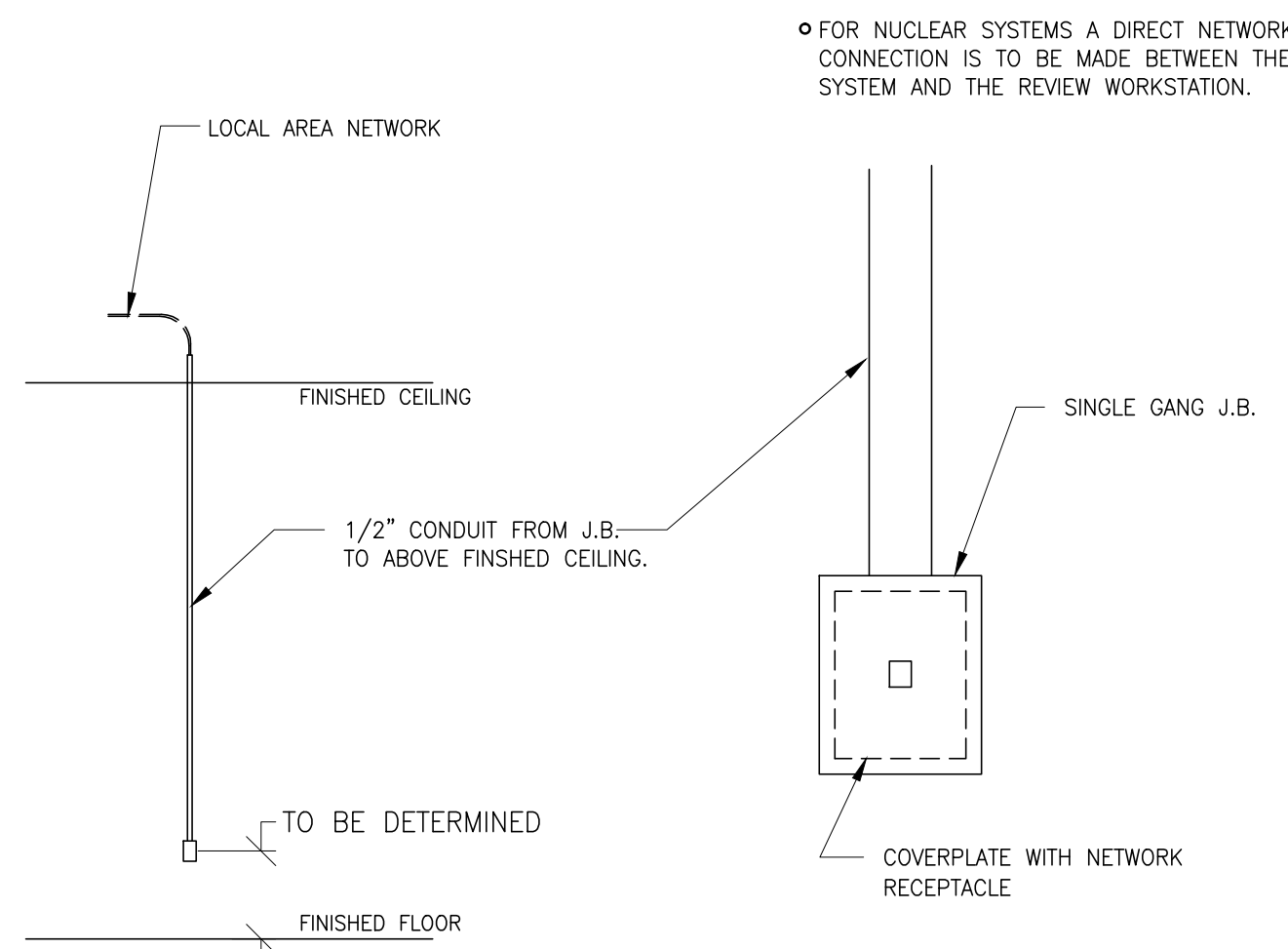
ELEC-83
REV. DATE: 10/06/98



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
NETWORK CONNECTION (TYPICAL)

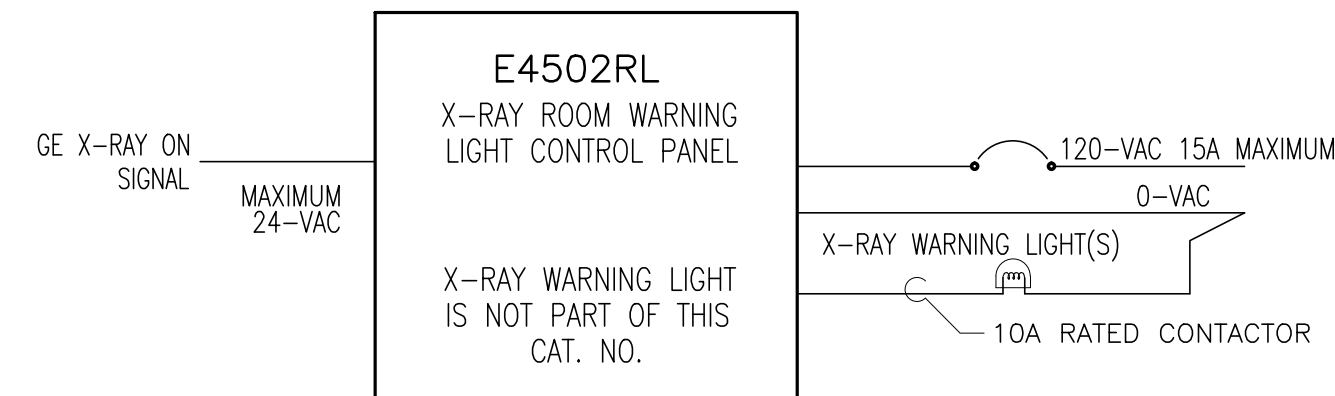
ELEC-84
REV. DATE: 03/06/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
WARNING LIGHT DIAGRAM

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

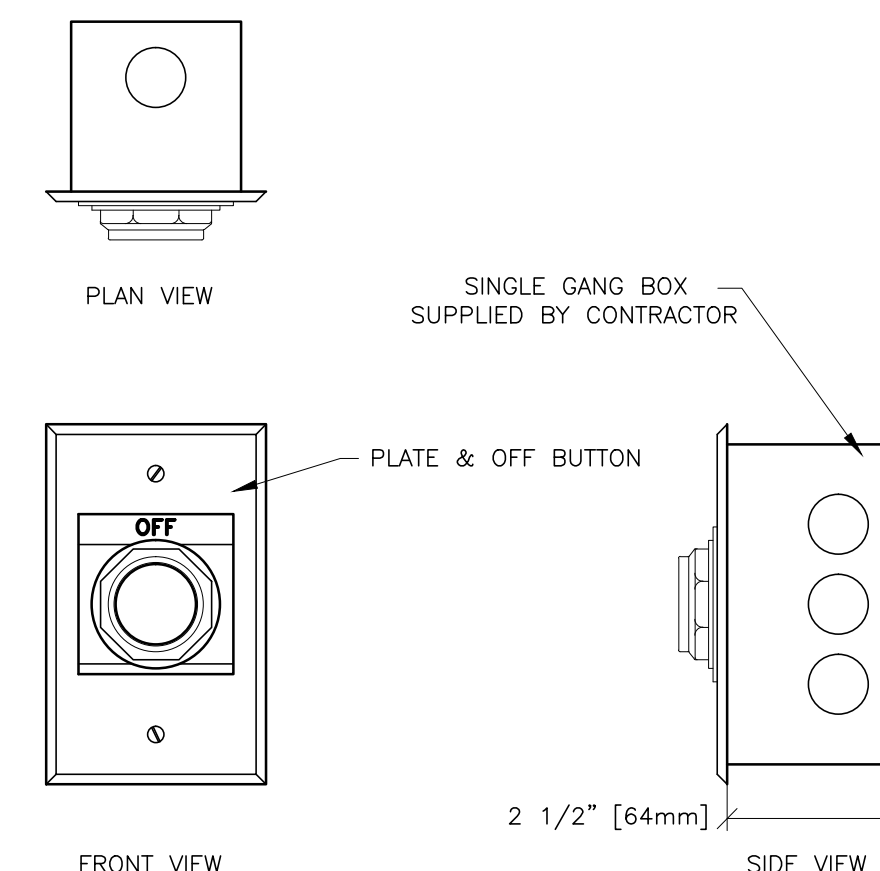


UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER, ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR

DRAWING NOT TO SCALE

ELECTRICAL DETAIL
EMERGENCY OFF BUTTON

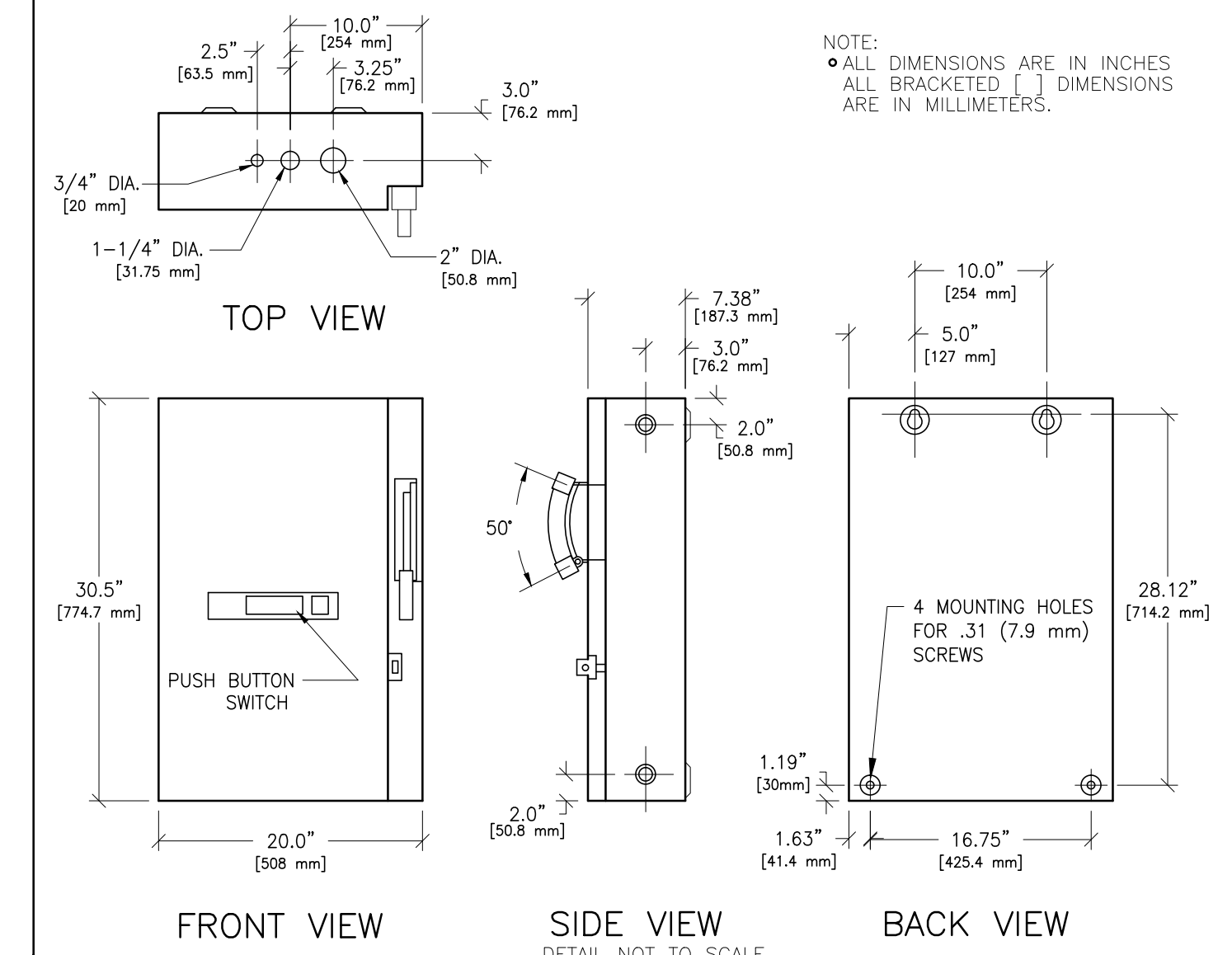
ELEC-16
REV. DATE: 05/14/09



DETAIL NOT TO SCALE

ELECTRICAL DETAIL
MAIN DISCONNECT

ELEC-35



DETAIL NOT TO SCALE

SHEET TITLE: ELECTRICAL DETAILS
MODALITY TYPE: BRIGHTSPEED ELITE ENHANCED

THIS PLAN IS SUBMITTED TO SUPPORT LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS. ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO THE MANUFACTURER'S DRAWINGS AND TO THE US. THIS PLAN IS TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES. GE AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE:

6-72f
TYPICAL FINAL

PROJECT	REVISION
6-72f	03
DATE:	18.Dec.13
DRAWN BY:	JPH
CHECKED BY:	JGA

REVISION HISTORY:

SHEET
E3

EQUIPMENT DETAIL POWER DISTRIBUTION UNIT

B78-58D
REV. DATE: 01/28/09

NOTE:
 • INDICATES AIR FLOW
 • INDICATES CENTER OF GRAVITY

5.9" [150mm] MINIMUM AIR FLOW CLEARANCE

21.7" [550mm]

35.4" [900mm]

27.6" [700mm]

24.0" [610mm]

41.8" [1062mm]

9.3" [235mm]

66.0" [1676mm]

13.8" [350mm]

19.4" [494mm]

14.2" [360mm]

4.9" [125mm]

V/O CONNECTIONS PANEL

AC POWER INPUT BOX

SERVICE AREA

PLAN VIEW

FRONT VIEW

SIDE VIEW

EQUIPMENT DETAIL REAR CABLE COVER

B8141
REV. DATE: 30.May.12

17.75" [451mm]

12" [305mm]

7.01" [178mm]

17.9" [455mm]

11.8" [300mm]

14.96" [380mm]

4.09" [104mm]

5" [127mm]

PLAN VIEW

END VIEW

SIDE VIEW

PLAN VIEW

END VIEW

SIDE VIEW

CABLE COVER PAN

CABLE COVER

DETAIL NOT TO SCALE

EQUIPMENT DETAIL CT GANTRY SHOWN TILTED 30° - SIDE VIEW

B81-08
REV. DATE: 10/16/09

141.53" [3595]

81.69" [2075]

40.0" [1016]

39.01" [991]

146.49" [3721]

76.37" [1940]

40.0" [1016]

39.01" [991]

INDICATES CENTER OF GRAVITY

NOTE: DETAIL NOT TO SCALE

UNITS IN INCHES BRACKETED

DIMENSIONS EQUAL [MM]

EQUIPMENT DETAIL CT GANTRY AND TABLE LAYOUT - SIDE VIEW

B81-09
REV. DATE: 10/16/09

108.22" [2749]

76.53" [1944]

40.0" [1016]

39.01" [991]

40.78" [1036]

43.07" [1094]

122.83 [3120]

76.53" [1944]

40.0" [1016]

16.92" [430]

18.70" [475]

20.98" [533]

CRADLE CENTER LINE

INDICATES CENTER OF GRAVITY

NOTE: DETAIL NOT TO SCALE

UNITS IN INCHES BRACKETED

DIMENSIONS EQUAL [MM]

EQUIPMENT DETAIL CT TYPICAL SCATTER SURVEY

B78-16F
REV. DATE: 06/15/06

NOTE: 140 Kv
100 mAs/scan
1 Sec
4 x 5.00mm Scan Acquisition
BODY PHANTOM

0.65 1.3 2.6 5.2 5.2 2.6 1.3 0.65

PLAN VIEW

ELEVATION

APPROX. 50 Inches

0.5 1.0m

EQUIPMENT DETAIL CT TYPICAL SCATTER SURVEY

B78-16G
REV. DATE: 06/15/06

NOTE: 140 Kv
100 mAs/scan
1 Sec
4 x 5.00mm Scan Acquisition
HEAD PHANTOM

0.33 0.65 1.3 2.6 2.6 1.3 0.65 0.33

PLAN VIEW

ELEVATION

APPROX. 50 Inches

0.5 1.0m

EQUIPMENT DETAIL CT GANTRY

B78-16H
REV. DATE: 12/13/05

81" [2057mm]

40.1" [1018mm]

6.6" [170mm]

39.96" [1015mm]

11.89" [302.2mm]

24.8" [630mm]

76" [1930mm]

34.75" [878mm]

34.75" [878mm]

ANCHOR

ANCHOR

ANCHOR

ANCHOR

FRONT VIEW

SIDE VIEW

DETAIL NOT TO SCALE

CENTER OF GRAVITY

SCAN PLANE

EQUIPMENT DETAIL CT GANTRY SHIPPING DETAIL

B79-96MJ
REV. DATE: 01/28/09

22.00" [559mm]

8.4" [213mm]

3.00" [76mm]

34.17" [868mm]

8.4" [213mm]

81.0" [2057mm]

15.00" [381mm]

FRONT VIEW

TABLE: GANTRY DELIVERY SIZE OPTIONS

CONFIGURATION	DIMENSIONS			PERSONS NEEDED	ADDITIONAL PERSON HOURS	COMMENT
	LENGTH in [mm]	WIDTH in [mm]	HEIGHT in [mm]			
NORMAL SHIPPING CONFIGURATION	111 [2819]	51 [1295]	79 [2006]	2	0	VAN DRIVERS DELIVER EQUIPMENT TO ROOM. GE REPS. SUPERVISE AND ASSIST. HEIGHT IS WITH 1 IN. [25.4mm] CLEARANCE FROM FLOOR.
REMOVE PROTECTIVE SIDE RAILS	111 [2819]	39.4 [1000]	79 [2006]	2	0.5	WITH RAILS REMOVED, BE VERY CAREFUL TO PREVENT DAMAGE TO COVERS.
REMOVE PROTECTIVE SIDE RAILS REMOVE DOLLIES	77 [1975]	34 [863]	73 [1854]	2	1.5	THIS CONFIGURATION IS USED TO GET GANTRY INTO A 9 FT. [2.74m] ELEVATOR. DO NOT PUSH ON GANTRY COVERS. PUSH ONLY ON FRAME MEMBERS. AIXI DOLLIES PROVIDE 2.3 IN. [58mm] CLEARANCE FROM FLOOR. USE EXTREME CARE IN REMOVING, HANDLING AND INSTALLING COVERS. SEE PROCEDURE IN DIRECTION 5141177-100, BRIGHTSPEED ELITE, EDGE, AND EXCEL GENERAL SYSTEM INSTALLATION. SEE TWO PREVIOUS COMMENTS. SEE LIFTING PROCEDURE DIRECTION 5141177-100 BRIGHTSPEED ELITE, EDGE, AND EXCEL GENERAL SYSTEM INSTALLATION.

EQUIPMENT DETAIL CT TABLE

B81-10
REV. DATE: 10/16/09

12.79" [325]

175.62" [4461]

15.75" [400] CRADLE EXTENDER

32.22" [844]

14.88" [378]

33.62" [854]

77.91" [1979]

88.26" [2242]

INDICATES CENTER OF GRAVITY

NOTE: DETAIL NOT TO SCALE

UNITS IN INCHES BRACKETED

DIMENSIONS EQUAL [MM]

CENTER OF GRAVITY IS WITH 500lb [227kg] PATIENT FULLY EXTENDED

EQUIPMENT DETAIL T.I.O. OPERATORS CONSOLE - COMPUTER

B81-05
REV. DATE: 10/16/09

25.19" [640]

12.04" [306]

10.31" [262]

11.49" [292]

11.49" [292]

29.13" [740]

11.8" [30]

13.77" [350]

17.71" [450]

12.04" [306]

13.77" [350]

18.50" [470]

20.07" [510]

INDICATES CENTER OF GRAVITY

NOTE: DETAIL NOT TO SCALE

UNITS IN INCHES BRACKETED

DIMENSIONS EQUAL [MM]

EQUIPMENT DETAIL T.I.O. OPERATORS CONSOLE - SMALL TABLE

B81-06
REV. DATE: 10/16/09

26.88" [683]

22.71" [577]

14.68" [373]

36.06" [916]

12.67" [322]

24.40" [620]

51.18" [1300]

INDICATES CENTER OF GRAVITY

NOTE: DETAIL NOT TO SCALE

UNITS IN INCHES BRACKETED

DIMENSIONS EQUAL [MM]

EQUIPMENT DETAIL TYPICAL STORAGE CABINET

M33005
REV. DATE: 02/26/09

36" [914mm]

18" [457mm]

42" [1067mm]

PLAN VIEW

SIDE VIEW

FRONT VIEW

DETAIL NOT TO SCALE