Drawing Index

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

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

* REQUIRED REFERENCE *

LightSpeed RT 16 / Xtra

Pre Installation Manual

5177460–100

A mandatory component of this drawing set is the GE Healthcare Pre Installation manual. Failure to reference the preIS 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 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

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

GEHC Global Order # : ____________ Customer: ____________

GEHC On-site Representative : ____________ MI Supplier: ____________

Name of customer reviewed with : ____________ Lead Installer: ____________

GEHC PMI : ____________ Phone Number: ____________

Target Site Prep Completion Date: ____________ Helper: ____________

The customer is responsible for proper site preparation regardless of any GEHC measurements/inspections/assessments.

For MR Magnet Delivery: Ensure cryogen vents, power for the cooling system and exhaust fan system are installed and operational (0.7T, 1.5T & 3T) and chilled water supply is available 24x7 that meets system cooling equipment requirements. Broadband/phone line available for magnet monitor.

Item #	GEHC Minimum Requirements	Storage: Is item ready?	Predict (Pre-ship): Is this item ready?	Predict (Pre-ship): Will item be ready?	Verify (Delivery): Is item ready?	Validate (Mech Install): Is item ready?	Comments If "N", please enter in comments or action plan
	Inspection Date						
1	Equipment installation drawings must match actual room size, equipment placement and must meet clearance requirements. Deviations that meet installation requirements may be red-lined, if allowed by local code. Seismic requirements identified on construction drawings. In the following states-NC, SC, AR, DC, WA - Verify State approved shielding plans match GE drawing room dimensions and equipment placement.						
2	Delivery route to installation or storage area meets requirements and has been discussed and scheduled with the customer. Ensure floor protection is discussed, requirements identified, and will be available at time of delivery and installation.						
3	Rooms that will contain equipment, including storage areas-not in scan suite, are dust free. Provisions taken to maintain a dust free room. Room security to prevent unauthorized access and theft has been discussed with customer. The customer is aware of these security issues, implications and responsibility.						
4	In room HVAC ductwork and units (in room) must be mechanically installed and dust free. Installation rooms appear to meet environmental conditions (see Further Definitions) and observed issues have been communicated to the customer. If being stored, storage area-not in scan suite, must meet PIM storage criteria.						
5	Ceiling grid is installed. Permanent lighting is installed and operational. Unistrut (or equivelant) location and spacing was measured and is consistent with the requirements of the installation drawings.						
6	Floor is clean and prepared for final floor covering. For MR, CT & Nuc scan rooms, floor levelness was measured and does not exceed tolerances specified in GEHC's applicable PIM, and no visible floor surface defects were observed.						
7	Access to a working phone at the facility for emergency use, including MR magnet delivery.						
8	All walls primed (final coat not needed on Day 1).						
9	Mechanical supplier has been provided with a set of equipment installation drawings for reference. For California, permitted construction drawings or PMI-specified installation drawings are required.						
10	Conduit/electrical cable ducting/dividers/ access flooring installed, with the exception of surface-mounted floor ducting. Wiring to the main disconnect panel is installed and compliant with equipment installation drawings or pre-installation manual.						

PIM R11

GE Healthcare

IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: SITE READINESS

MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6–64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6–64f	05

DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

REVISION HISTORY:

SHEET C1

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

SEISMIC STATUS: P = PREAPPROVAL; C = CALCULATIONS/ PENDING APPROVAL; S = SPECIFICATIONS ONLY

QUANTITY ORDERED | REFER TO SHEET "D"

ITEM NO.	QTY	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN	
1	1	INJECTOR HEAD ON OVERHEAD COUNTERPOISED SUSPENSION.	22 lbs		B5031	B50 31S	IH	S
2	1	INJECTOR CONTROL CONSOLE	8 lbs		B8007C	–	ICC	S
3	1	MAIN UNIT	13 lbs		B8007C	–	IE	–
4	1	UPS SYSTEM	350 lbs		B7999ZA	–	UPS	–
5	1	POWER DISTRIBUTION UNIT	701 lbs	3402 btu	B7858D	.	PM	S
6	1	OPERATOR'S CONSOLE / COMPUTER	493 lbs	8126 btu	B7858A	–	OC	S
7	1	OPERATOR'S CHAIR				.		–
8	1	LCD MONITOR	61 lbs	300 btu	B5031S	–	SVM	S
9	1	STORAGE CABINET (EMPTY CABINET WEIGHT)	90 lbs		M33005	–		–
10	1	REAR CABLE COVER				.		–
11	1	LIGHTSPEED RT16/XTRA	3891 lbs	43010 btu	B7817B B7817A B7817C B7817D B7800C B7864B	B78 17	CTT	C
12	1	GT1700 PATIENT TABLE WITH EXTENDED TABLE TOP.	881 lbs	703 btu	B7917	.		–
13	1	ADVANTAGE WORKSTATION WITH TWO LCD MONITORS	81 lbs	1109 btu	M1013AW	---		S

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

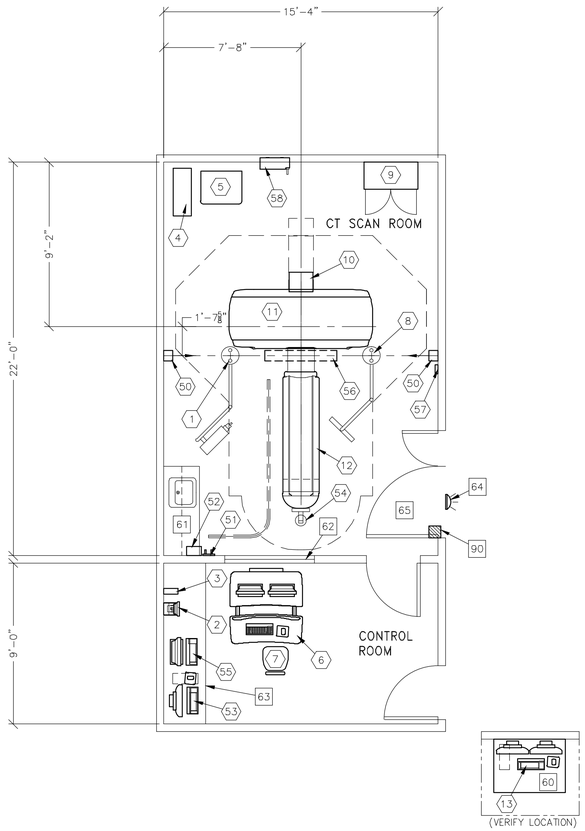
ITEM NO.	QTY	ITEM DESCRIPTION (* = EXISTING/REINSTALL)	WEIGHT	HEAT OUTPUT (PER HOUR)	DETAIL NO.	STRC PLAN	ELEC PLAN	
50	2	PATIENT POSITIONING LASER LIGHT	66 lbs		B7998B	B79 98D		S
51	1	VARIAN CAMERA HOLDER (WHEN CAMERA IS IN STANDBY POSITION)				–		–
52	1	VARIAN POWER SUPPLY MODULE (GE PROJ MGR: PREINSTALL ITEM, PRE-ORDER FROM VARIAN)	13 lbs		R4504D	–	PSM	–
53	1	VARIAN OPERATORS WORKSTATION	48 lbs	819 btu		–	RWS	–
54	1	VARIAN CAMERA AND BRACKET	8 lbs	341 btu	E8819KA	–	RGC	–
55	1	WORKSTATION COMPUTER				---	CLC	S
56	1	PATIENT POSITIONING LASER LIGHT	66 lbs		B7998A	B79 98C	CL	S
57	1	KEYPAD	2 lbs		B7998F	---	KP	S
58	1	MAIN DISCONNECT CONTROL	132 lbs		E4502AE	.	A1	C

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	WORKSTATION TABLE
61	COUNTER TOP WITH SINK, BASE AND WALL CABINETS
62	LEAD GLASS WINDOW
63	COUNTER TOP FOR EQUIPMENT– PROVIDE GROMMETED OPENINGS AS REQUIRED TO ROUTE INTERCONNECT CABLES TO RACEWAY BELOW COUNTERTOP.
64	X-RAY ON WARNING LIGHT – AVAILABLE FROM GE SUPPLY CALL 800-200-9760 GE CAT NO. VX1ABW-0F-X1U
65	MINIMUM DOOR OPENING FOR EQUIPMENT DELIVERY IS 44 IN. W x 83 IN. H (1118mm x 2108mm), CONTINGENT ON A 96 IN. (2438mm) CORRIDOR WIDTH

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

ITEM NO.	ITEM DESCRIPTION (* INDICATES EXISTING)
90	X-RAY ROOM WARNING LIGHT CONTROL PANEL REFERENCE JUNCTION POINT 'WLC' ON SHEET 'E1' FOR DETAILED DESCRIPTION -E4502RL FOR WARNING LIGHT CONTROL ONLY.

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 ACCOMODATE 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:
  SCAN ROOM: TEMPERATURE RANGE 64°–79° F (18°–26° C)
  CONTROL ROOM: MAINTAIN TEMPERATURE AT 72° F (22° C)
  EQUIPMENT ROOM (IF SEPARATE): TEMPERATURE RANGE 60°–75° F (15°–24° C)
- MAXIMUM TEMPERATURE RATE OF CHANGE OF 5° F (3° C)/HOUR.
- HUMIDITY: 30 TO 60 PERCENT NON–CONDENSING DURING OPERATION (ALL AREAS)
- MAXIMUM RELATIVE HUMIDITY RATE OF CHANGE IS 5 PER CENT RH/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.
- CT CONTROL EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN LISTED BELOW TO OBTAIN SPECIFIED GEOMETRIC LINEARITY.

CONSOLE/COMPUTER	10 GAUSS
CRT MONITOR	1 GAUSS
LCD MONITOR	50 GAUSS

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT LAYOUT
MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6–64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6–64f	05

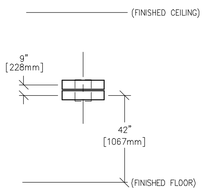
DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

REVISION HISTORY:

SHEET A1

TYPICAL WALL SUPPORT ELEVATIONS

S121

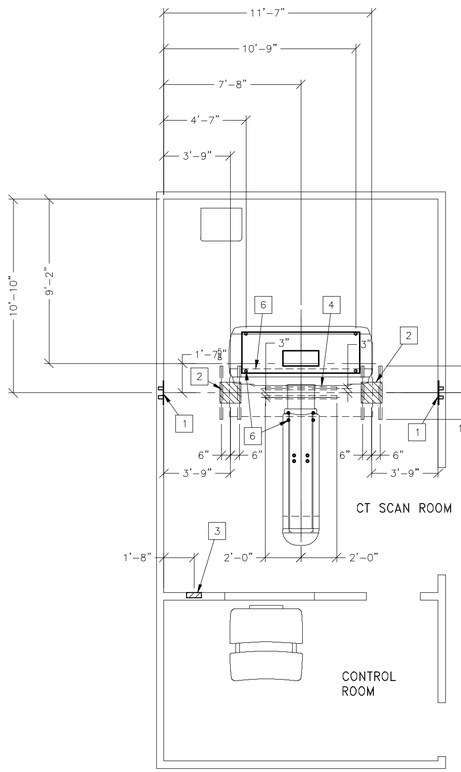


SUPPORT FOR VARIAN
POWER SUPPLY
(NOT TO SCALE)

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	SUPPORT BACKING, LOCATE AS SHOWN. REFER TO STRUCTURAL DETAIL B7998D. NOTE: FOR SUPPORT LENGTHS LONGER THAN 96 IN. ADDITIONAL BRACING MAYBE REQUIRED.
2	THE PEDESTAL-CEILING MOUNT REQUIRES A FLUSH CEILING MOUNTING PLATE THAT IS STRUCTURALLY SUPPORTED TO HANDLE THE WEIGHT OF THE LOAD AS SHOWN IN DETAIL B50-318 A MAVIG DESIGNED CEILING PLATE IS AVAILABLE AND CAN BE ORDERED - E8007NZ. THIS 14" x 14" PLATE HAS PRE DRILLED 1/2" HOLES IN EACH OF THE 4 MOUNTING CORNERS. IF AN EQUIVALENT PLATE IS USED, THE SUPPLIED TEMPLATE SHOULD BE USED TO DRILL THE REQUIRED 4 - 39" HOLES IN A PATTERN AS SHOWN IN DETAIL B50-318. AN ADDITIONAL 32" HOLE IS REQUIRED FOR THE PEDESTAL-CEILING MOUNT SAFETY CHAIN.
3	SUPPORT BACKING, LOCATE AS SHOWN. REFER TO ELEVATION DETAIL S121, FOR VARIAN POWER SUPPLY MODULE.
4	UNISTRUT OR EQUIVALENT SUPPORTS FOR FASTENING THE CEILING LASER POSITIONING LIGHT. SUPPORT TO BE LOCATED AS SHOWN. SUPPORT SHOULD RUN CONTINUOUS WITH NO FITTINGS EXTENDING BELOW FACE OF UNISTRUT CHANNEL, BE PARALLEL, SQUARE, AND IN THE SAME HORIZONTAL PLANE, ABOVE FINISHED CEILING. METHODS OF SUPPORT THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION. SEE DETAIL B7998C.
5	MINIMUM 8'-0" x 8'-8" OPEN CEILING SPACE REQUIRED FOR OVERHEAD LASER INSTALLATION. CEILING TO BE FINISHED BY CUSTOMER/CONTRACTOR ONCE LASER INSTALLATION IS COMPLETE.
6	LEVELING AREA FOR GANTRY AND TABLE SEE DETAIL B78-17 ON SHEET S2. CT - LIGHTSPEED RT16 XTRA Seismic Zone ANCHORING HARDWARE (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

- 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 1/8" 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.

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare

IS Services Design Center

Wisconsin

Milwaukee,

SHEET TITLE: STRUCTURAL LAYOUT

MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6-64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6-64f	05

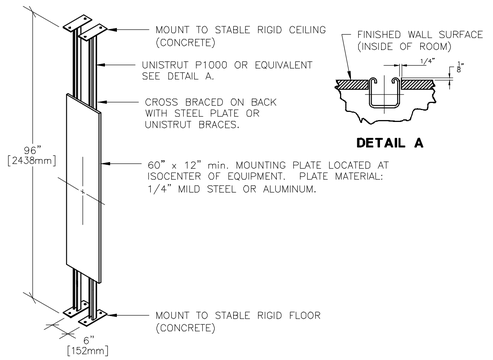
DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

REVISION HISTORY:

SHEET S1

SUPPORT DETAIL
WALL SUPPORT FOR SIDE LASER

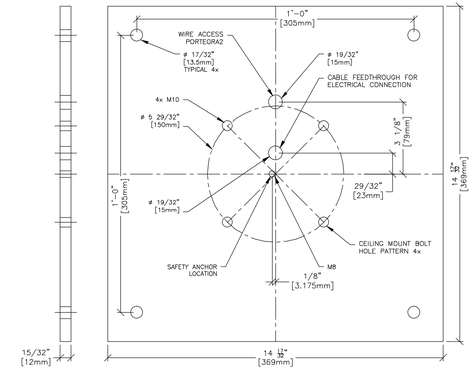
B7998D
REV. DATE: 03/15/03



DETAIL NOT TO SCALE

SUPPORT DETAIL
OVERHEAD COUNTERPOISED SUSPENSION

B50-31B
REV. DATE: 04/28/08

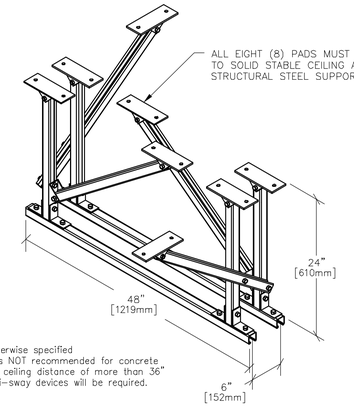


THE SUPPORT STRUCTURE FOR THIS CEILING MOUNTED OPTION AND A FLUSH MOUNTING PLATE MUST BE DESIGNED BY A STRUCTURAL ENGINEER AND INSTALLED BY A QUALIFIED CONTRACTOR PRIOR TO THE CT INSTALLATION

DRAWING NOT TO SCALE

SUPPORT DETAIL
TYPICAL CEILING SUPPORT FOR OVERHEAD LASER

B7998C
REV. DATE: 03/15/03

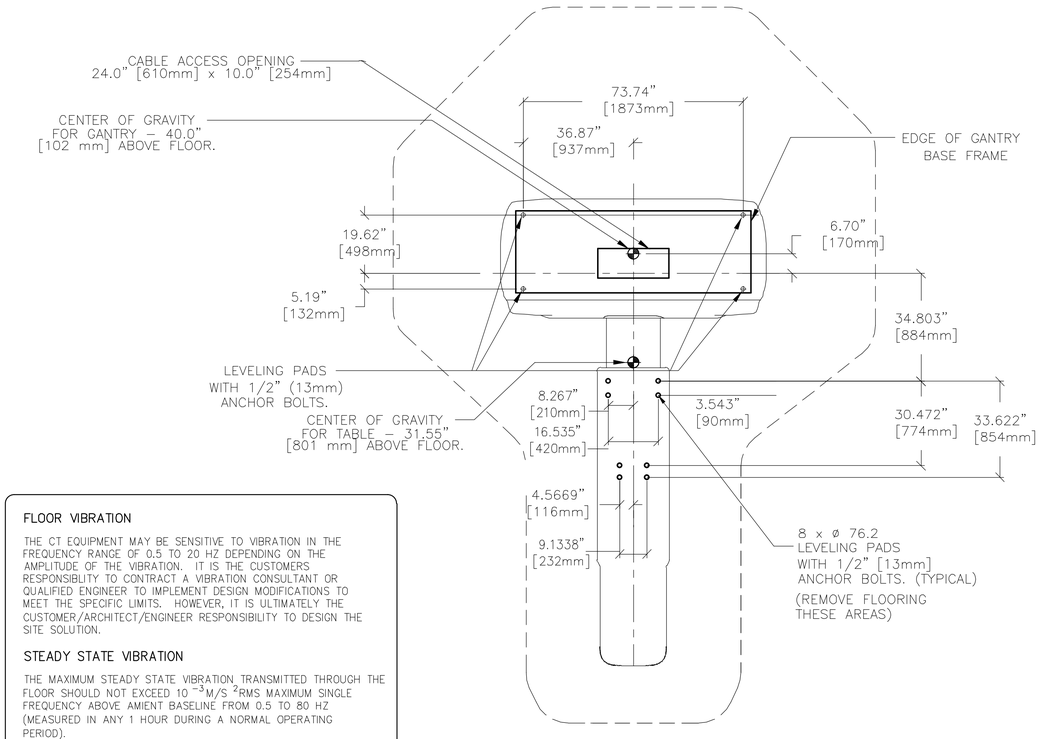


Note – Unless otherwise specified
1. This example is NOT recommended for concrete ceiling to false ceiling distance of more than 36" (914mm). Anti-sway devices will be required.

DETAIL NOT TO SCALE

CT GANTRY AND TABLE ANCHOR/LEVELING

B78-17
REV. DATE: 01/28/09



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 RESPONSIBLITY 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

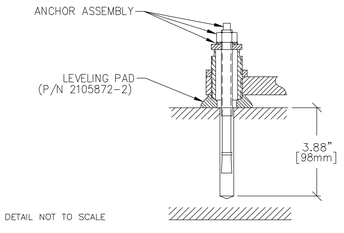
THE MAXIMUM STEADY STATE VIBRATION TRANSMITTED THROUGH THE FLOOR SHOULD NOT EXCEED 10^{-3} M/S ^{2}RMS MAXIMUM SINGLE FREQUENCY ABOVE AMIENT BASELINE FROM 0.5 TO 80 HZ (MEASURED IN ANY 1 HOUR DURING A NORMAL OPERATING PERIOD).

TRANSIENT VIBRATION

THE BEHAVIORAL CHARACTERISTICS MUST BE SUCH THAT ANY MEASUREABLE TRANSIENT DISTURBANCE MUST ALSO BE MINIMIZED TO LESS THAN 0.01 M/S^2 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

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: STRUCTURAL DETAILS
MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6-64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6-64f	05

DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

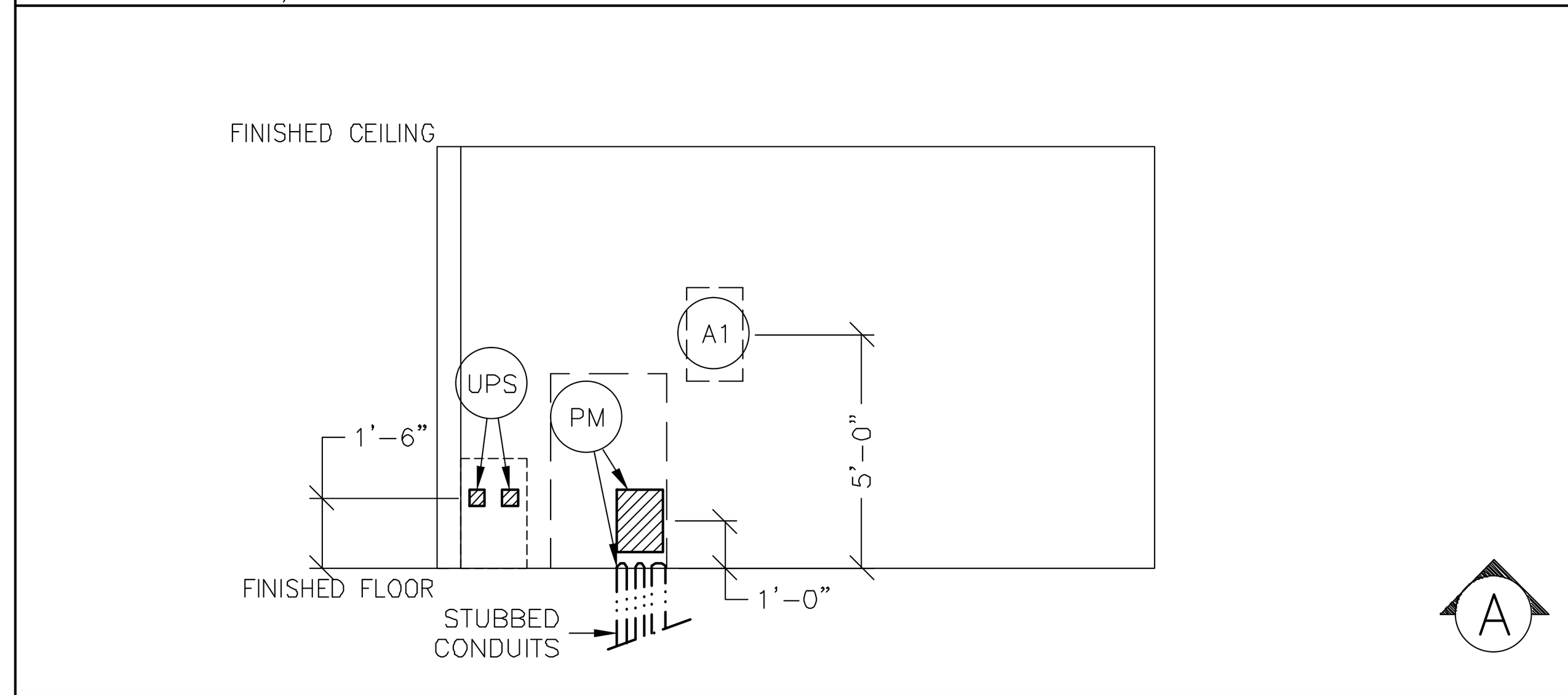
REVISION HISTORY:

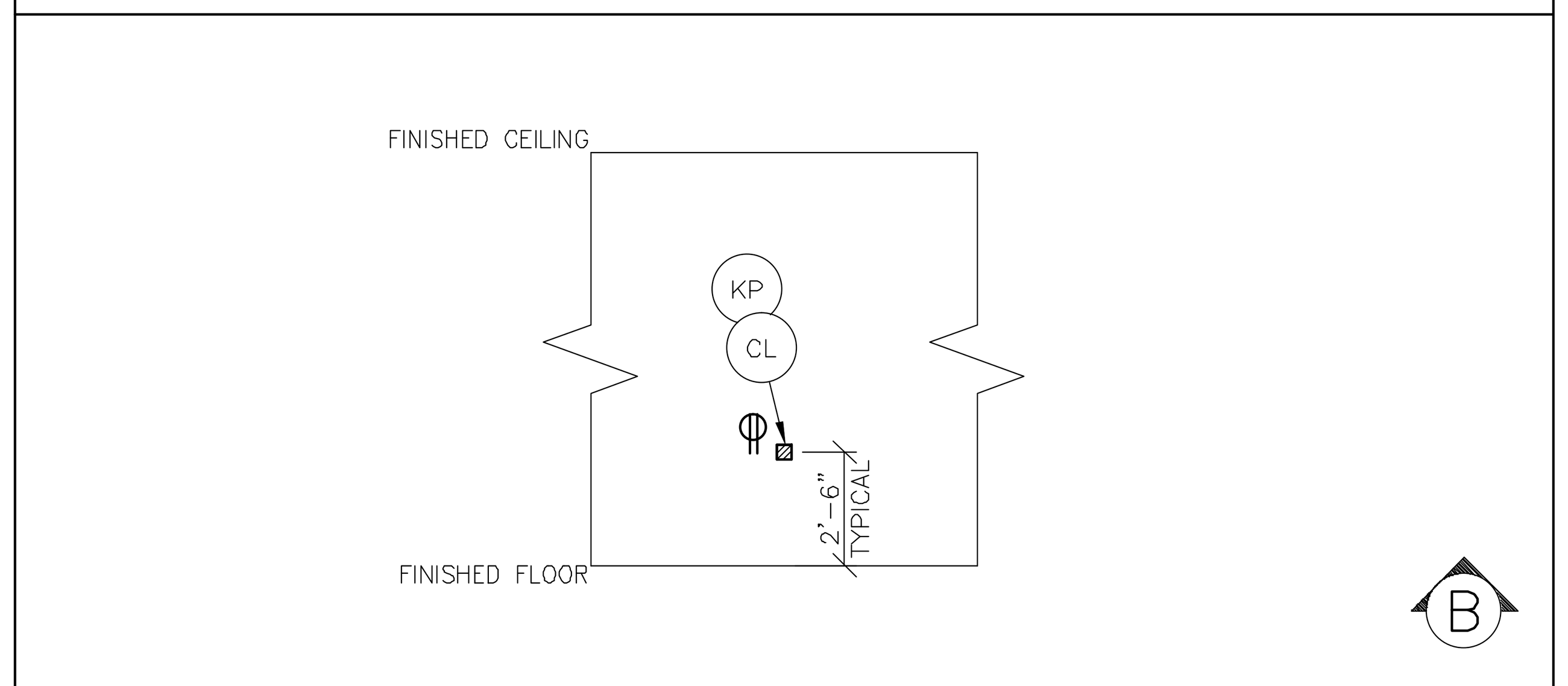
SHEET
S2

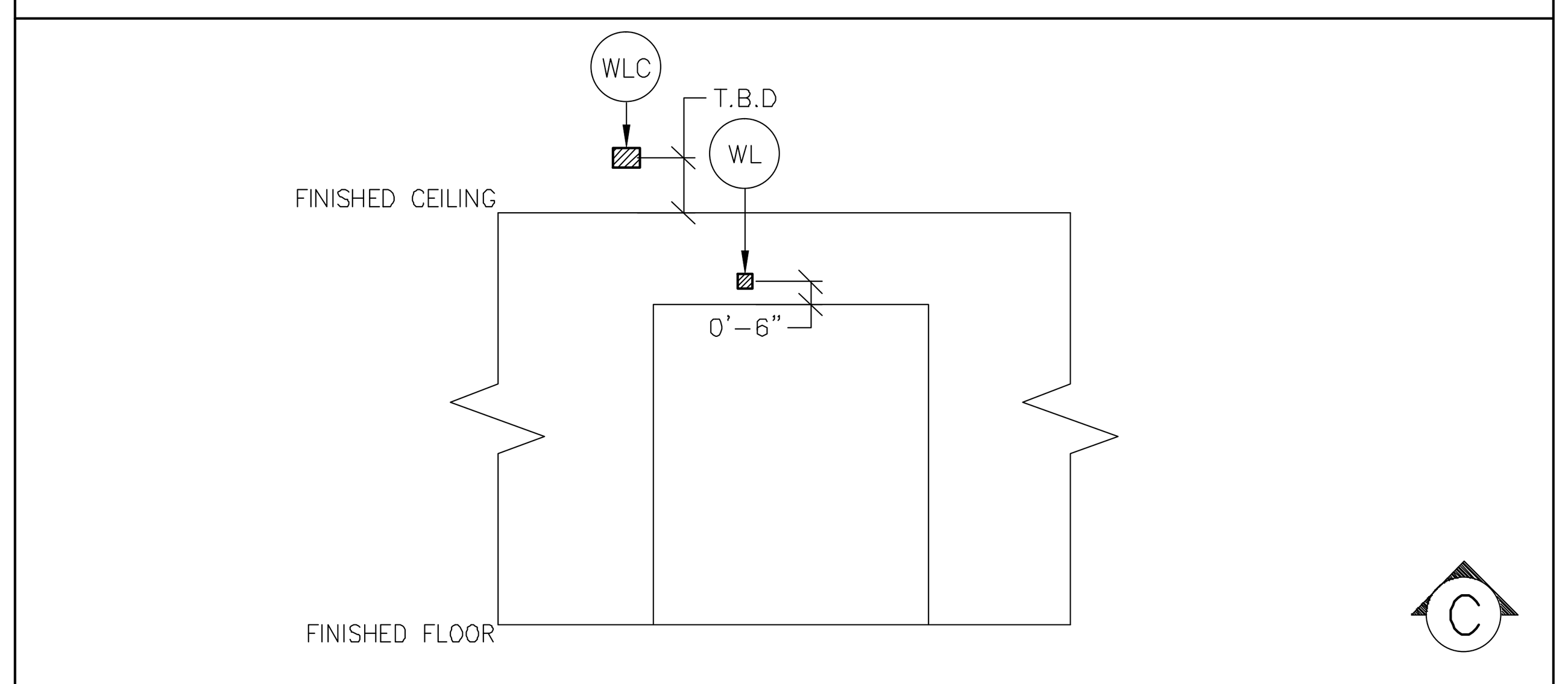
SCALE: 1/4" = 1'-0"

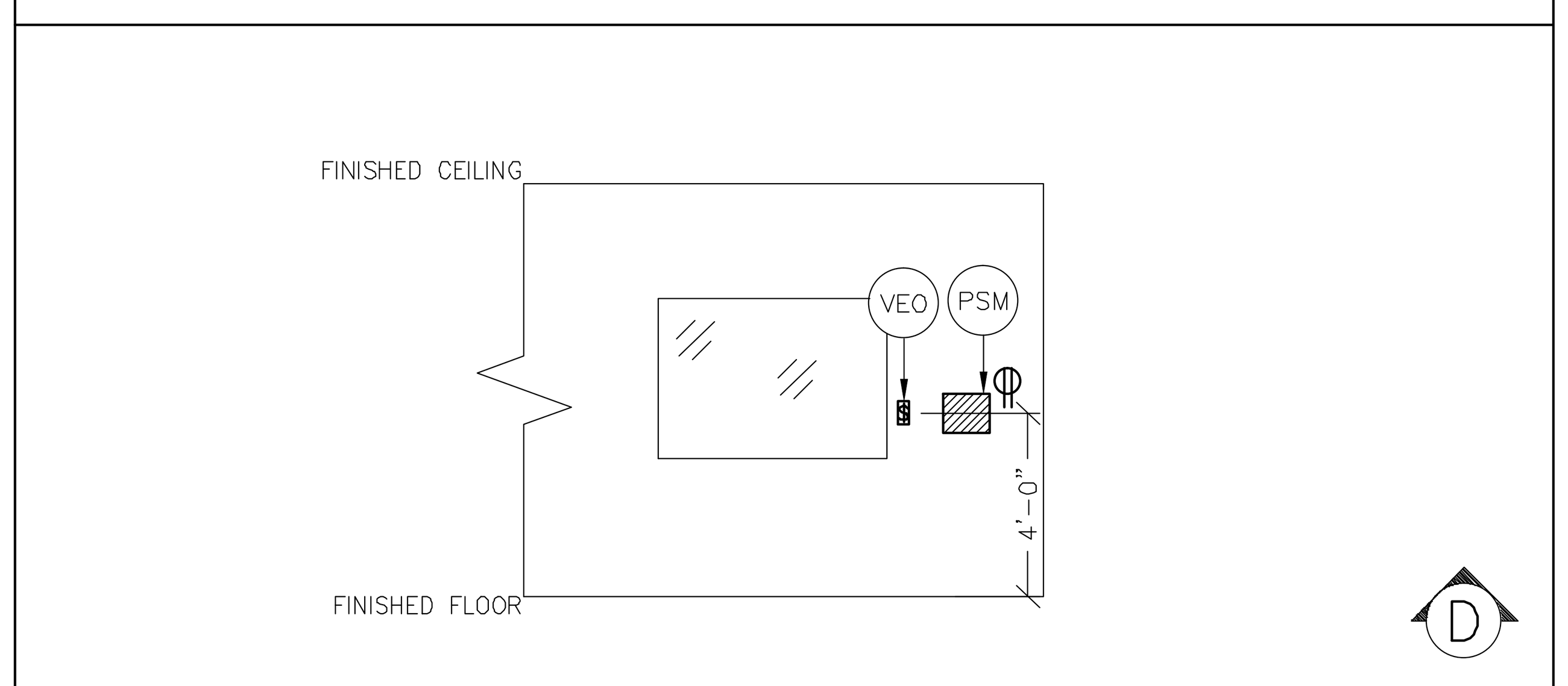
ELECTRICAL PLAN

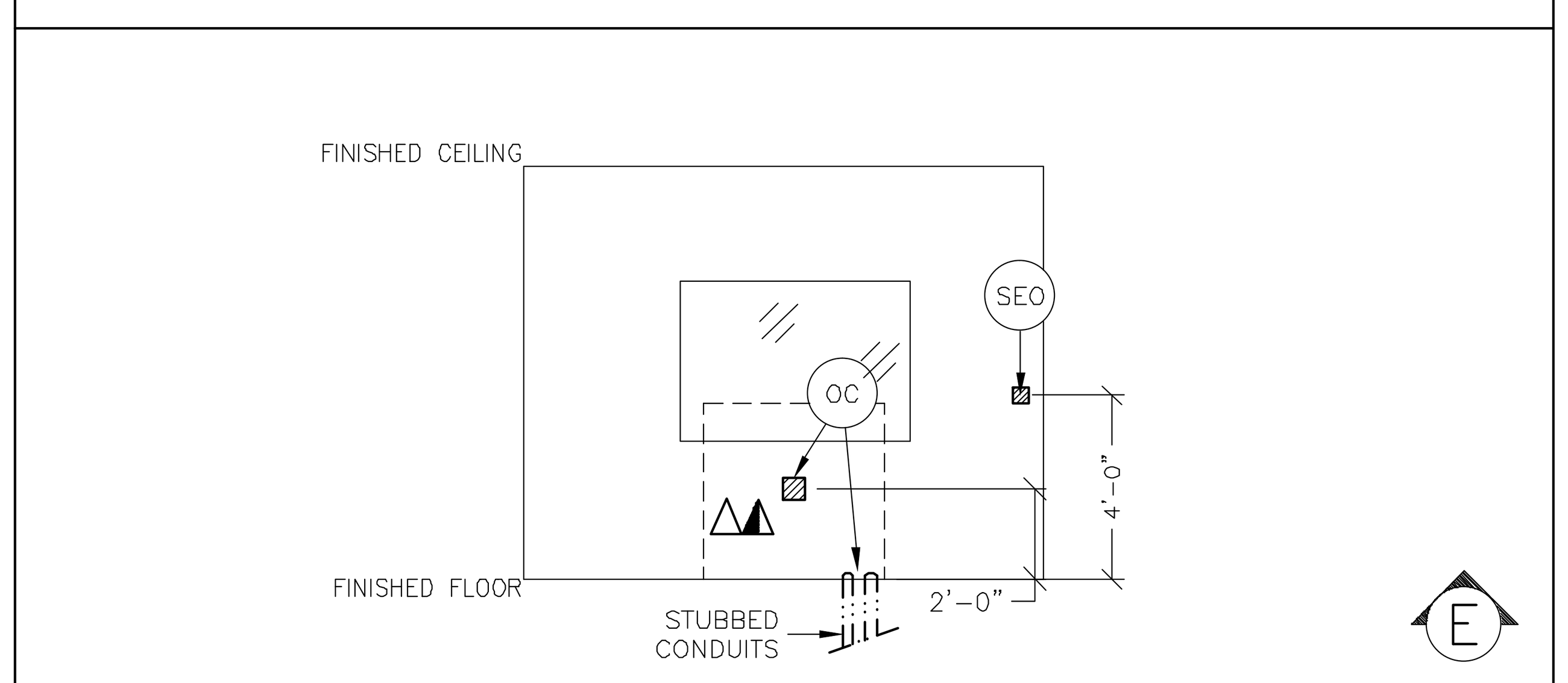
RECOMMENDED CEILING HEIGHT = 9'-0"

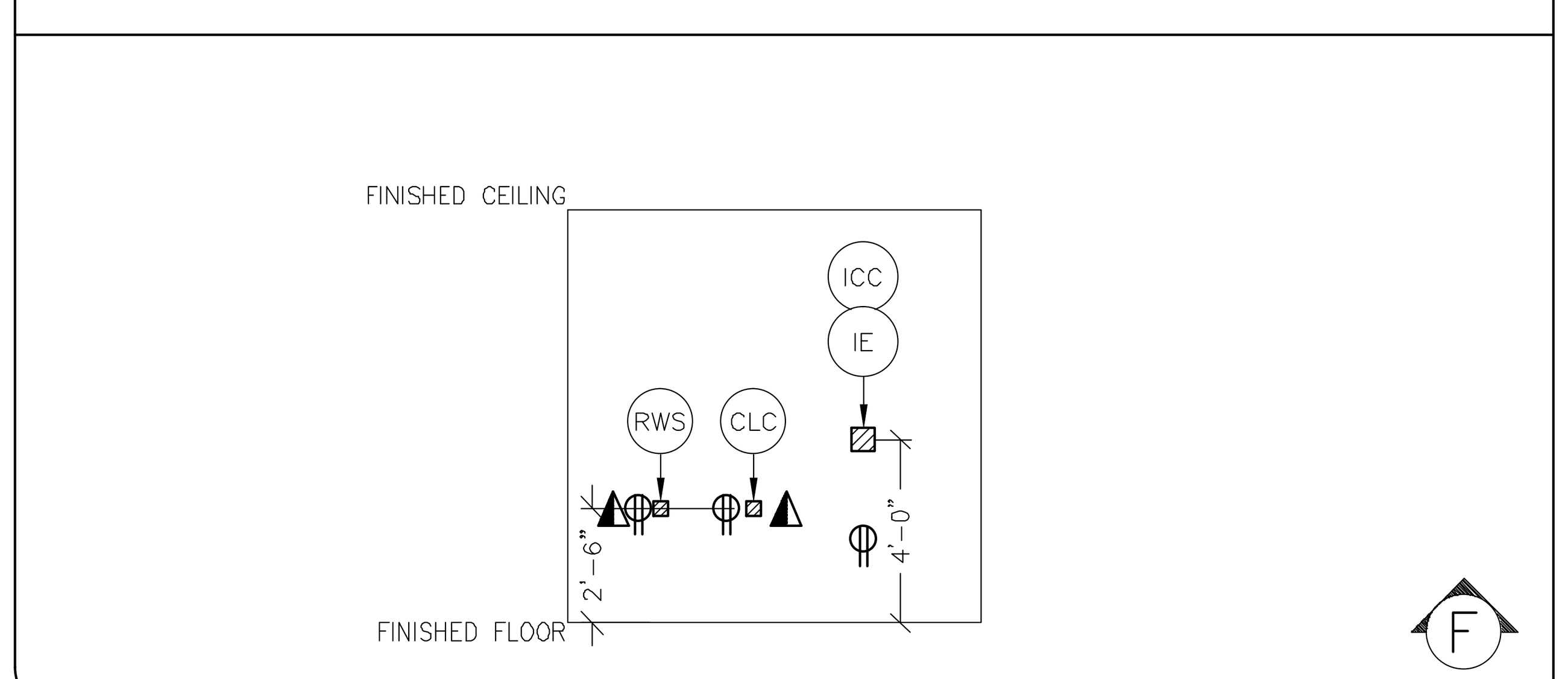












ELECTRICAL OUTLET LEGEND

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)
- DUPLEX HOSPITAL GRADE, DEDICATED WALL OUTLET 120-V, SINGLE PHASE POWER
- DUPLEX HOSPITAL GRADE, DEDICATED CEILING OUTLET 120-V, SINGLE PHASE POWER

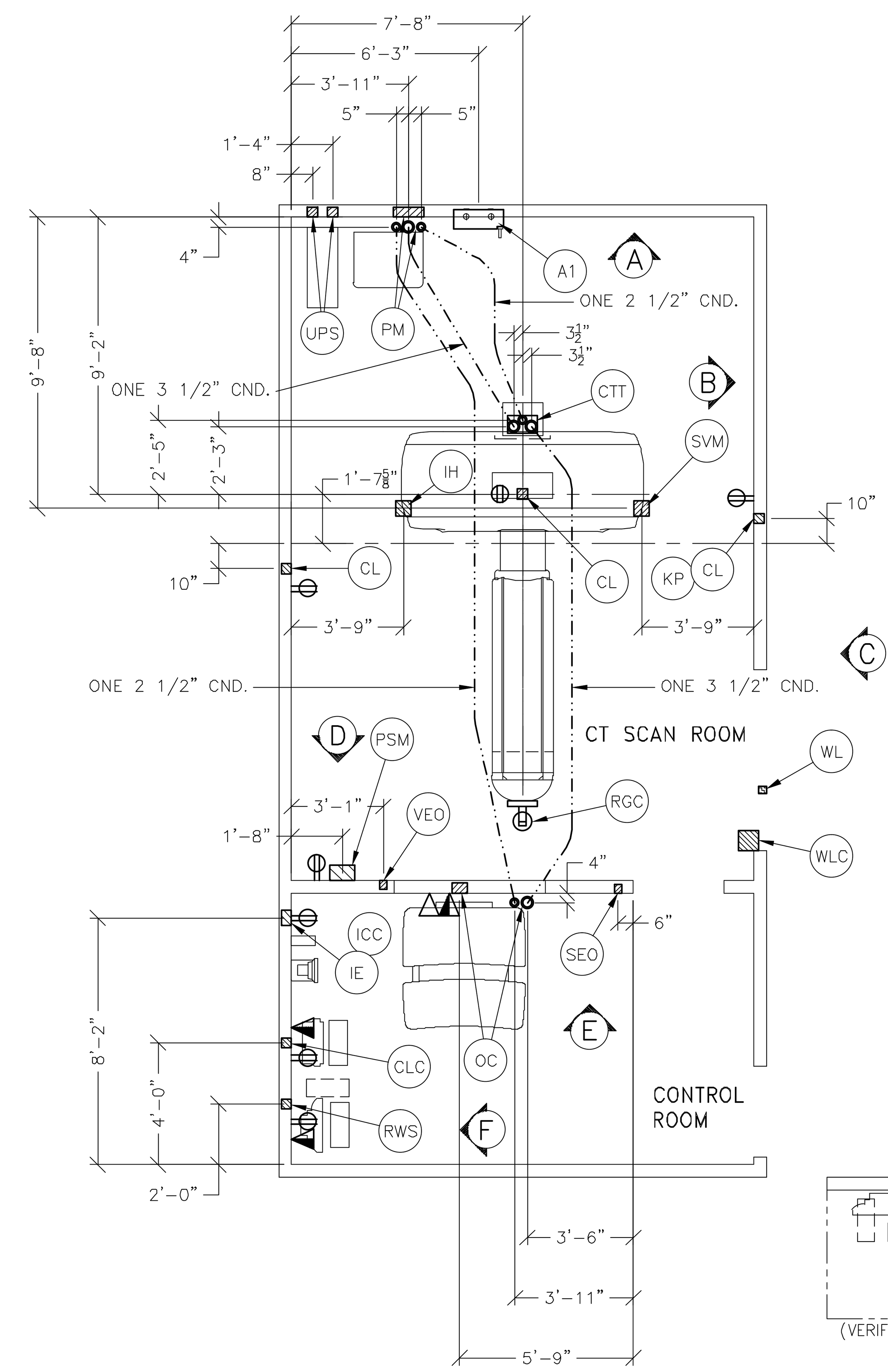
DUCT HATCHING LEGEND

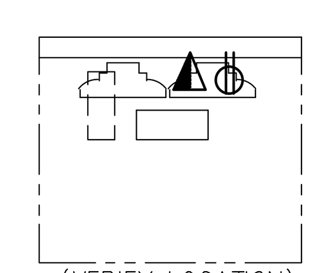
- ABOVE CEILING DUCT
- UNDER FLOOR DUCT
- TRENCH DUCT (FLUSH FLOOR)
- SURFACE FLOOR DUCT
- CABLE TRAY
- ABOVE CEILING CONDUIT
- BELOW FLOOR CONDUIT

JUNCTION POINT NOTES

- ALL JUNCTION BOXES, CONDUIT, DUCT, DUCT DIVIDERS, SWITCHES, CIRCUIT BREAKERS, ETC., ARE TO BE SUPPLIED AND INSTALLED BY CUSTOMERS 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:
  1. DUCTWORK SHALL BE METAL WITH DIVIDERS AND HAVE REMOVABLE, ACCESSIBLE COVERS.
  2. DUCTWORK SHALL BE CERTIFIED/RATED FOR ELECTRICAL POWER PURPOSES.
  3. DUCTWORK SHALL BE ELECTRICALLY AND MECHANICALLY BONDED TOGETHER IN AN APPROVED MANNER.
  4. PVC AS A SUBSTITUTE MUST BE USED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES.
- ALL OPENINGS IN ACCESS FLOORING ARE TO BE CUT OUT AND FINISHED OFF WITH GROMMET MATERIAL BY THE CUSTOMERS 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.

PLEASE SEE BELOW FOR ADDITIONAL REQUIRED CONDUIT RUNS AND SIZES.




(VERIFY LOCATION)

FEEDER TABLE – CT LightSpeed Pro 16 / RT / VCT

- 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											
	342–418 380		360–440 400		378–462 420		396–484 440		414–506 460		**432–528 480**	
	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND	FEEDER	GROUND
50	1/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	**1**	**(1/0)**
100	1/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	**1**	**(1/0)**
150	1/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	**1**	**(1/0)**
200	1/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	1	(1/0)	**1**	**(1/0)**
250	2/0	(1/0)	2/0	(1/0)	1/0	(1/0)	1/0	(1/0)	1	(1/0)	**1**	**(1/0)**
300	3/0	(1/0)	3/0	(1/0)	2/0	(1/0)	2/0	(1/0)	1/0	(1/0)	**1/0**	**(1/0)**
350	4/0	(1/0)	3/0	(1/0)	3/0	(1/0)	2/0	(1/0)	2/0	(1/0)	**1/0**	**(1/0)**
400	250M	(1/0)	4/0	(1/0)	3/0	(1/0)	3/0	(1/0)	3/0	(1/0)	**2/0**	**(1/0)**

REV. DATE: 04/15/07

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

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

REV DATE: 10/01/08

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

NOTE: SEE E2 PAGE FOR MAXIMUM RUN LENGTHS

CONDUITS REQUIRED FOR SMARTVIEW & SMARTSTEP MONITORS (CONDUITS ARE LOCATED ABOVE CEILING)

REV DATE: 10/01/08

SVM	TO	OC	ONE 25mm CND.
SVM	TO	OC	ONE 51mm CND.

CONDUITS REQUIRED FOR INJECTOR: NEMOTO (CONDUITS ARE LOCATED ABOVE CEILING)

REV DATE: 10/01/08

IE	TO	IH	ONE 2 1/2" CND.

CONDUITS REQUIRED FOR UPS (CONDUITS ARE LOCATED ABOVE CEILING)

REV DATE: 11/24/08

UPS	TO	A1	ONE 3/4" CND.
UPS	TO	PM	ONE 2" CND. (OPTIONAL) RUN DIRECT AS POSSIBLE. 12' MAX CABLE LENGTH

CONDUITS REQUIRED FOR LAP LASERLIGHTS (CONDUITS ARE LOCATED ABOVE CEILING)

REV DATE: 11/05/08

CLC	TO	CL	ONE 1" CND.
CL	TO	CL	ONE 1" CND.
CL	TO	CL	ONE 1" CND.

JUNCTION POINT DESCRIPTIONS

THE FOLLOWING MATERIALS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER'S ELECTRICAL CONTRACTOR

POINT	DESCRIPTION	QTY.	HARDWARE	DETAIL NO., SHT. E3
A1	MAIN DISCONNECT	1	PANEL – INCLUDED IN ORDER	ELEC-135
CL	PATIENT POSITIONING LASER LIGHT	1 1 1	COVERPLATE 4 X 4 X 4 IN. BOX 1 IN. DIA. CHASE NIPPLE	ELEC-8
CLC	PATIENT POSITIONING LASER LIGHT CONTROL CONSOLE	1 1 1	COVERPLATE 4 X 4 X 4 IN. BOX 1 IN. DIA. CHASE NIPPLE	ELEC-8 ELEC-84
CTT	CT SCANNER	2 1	3 1/2 IN. DIA. BUSHING & LOCKNUT 2 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
ICC	INJECTOR CONTROL CONSOLE	1	EXTERNALLY CONNECTED	
IE	INJECTOR ELECTRONICS	1 1 1	6 X 6 X 4 IN. BOX COVERPLATE 2 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
IH	INJECTOR HEAD	1 1 1	SINGLE GANG BOX COVERPLATE 2 1/2 IN. DIA. CHASE NIPPLE	ELEC-8
KP	KEYPAD	1	CONNECT EXTERNALLY TO 'CL'	
OC	OPERATORS CONSOLE	1 1 1 1 1	COVERPLATE 2 IN. DIA. CHASE NIPPLE 6 X 6 X 4 IN. BOX 3 1/2 IN. DIA. BUSHING & LOCKNUT 2 1/2 IN. DIA. BUSHING & LOCKNUT	ELEC-9
PM	POWER DISTRIBUTION UNIT	1 1 2 2 1 2 1 1	SPLIT COVERPLATE 3 1/2 IN. DIA. BUSHING & LOCKNUT 2 1/2 IN. DIA. BUSHING & LOCKNUT 2 IN. 90 DEGREE CONNECTOR 6 FT. LENGTH OF 2 1/2 IN. FLEXIBLE METAL CONDUIT SUITABLE CONNECTORS 12 X 16 X 4 IN. BOX 6 FT. LENGTH OF 1/2 IN. FLEXIBLE METAL CONDUIT	ELEC-9 ELEC-22
PSM	VARIAN POWER SUPPLY MODULE	1	VARIAN SUPPLIED, CUSTOMER/ CONTRACTOR INSTALLED VARIAN POWER SUPPLY	
RGC	VARIAN RESPIRATORY GATING CAMERA	1	1 1/2 IN. DIA. CHASE NIPPLE	
RWS	VARIAN OPERATORS WORKSTATION	1 1 1	4 X 4 X 4 IN. BOX 1 IN. DIA. CHASE NIPPLE COVERPLATE	ELEC-8 ELEC-83 ELEC-84
SEO	EMERGENCY OFF	1	SINGLE GANG 2 1/8 IN. DEEP FLUSH MOUNTED JUNCTION BOX.	ELEC-16
SVM	LCD MONITOR	1 1 1	COVERPLATE 6 X 6 X 4 IN. BOX 4 X 4 IN. OPENING IN COVERPLATE	ELEC-77
UPS	UPS CABINET	1 1 1 2 1 1 2 1	COVERPLATE 4 X 4 X 4 IN. BOX 1 IN. DIA. CHASE NIPPLE 1 IN. DIA. BUSHING & LOCKNUT (IF OPTIONAL 2 IN. CND IS USED, ADD THE FOLLOWING) COVERPLATE. 4 X 4 X 4 IN BOX 2 IN. DIA. BUSHING & LOCKNUT 2 IN. DIA. CHASE NIPPLE	ELEC-8
VEO	VARIAN WALL SWITCH	1	SINGLE GANG 2 1/8 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. WXIABWW-OF-XIU	
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
A1 > SEO	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN
A1 > PDU	3-BLACK, 1 GREEN – REFER TO FEEDER TABLE
480-V > A1	3 BLACK, 1 WHITE, 1 GREEN – REFER TO FEEDER TABLE
WLC > 1 PHASE	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN
PM > WLC	1-NO. 14 BLACK, 1-NO. 14 WHITE, 1-NO. 14 GREEN
WL > WLC	2-NO. 14 BLACK, 1-NO. 14 RED, 1-NO. 14 WHITE

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT

MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6-64f TYPICAL FINAL (with GT1700 Table)

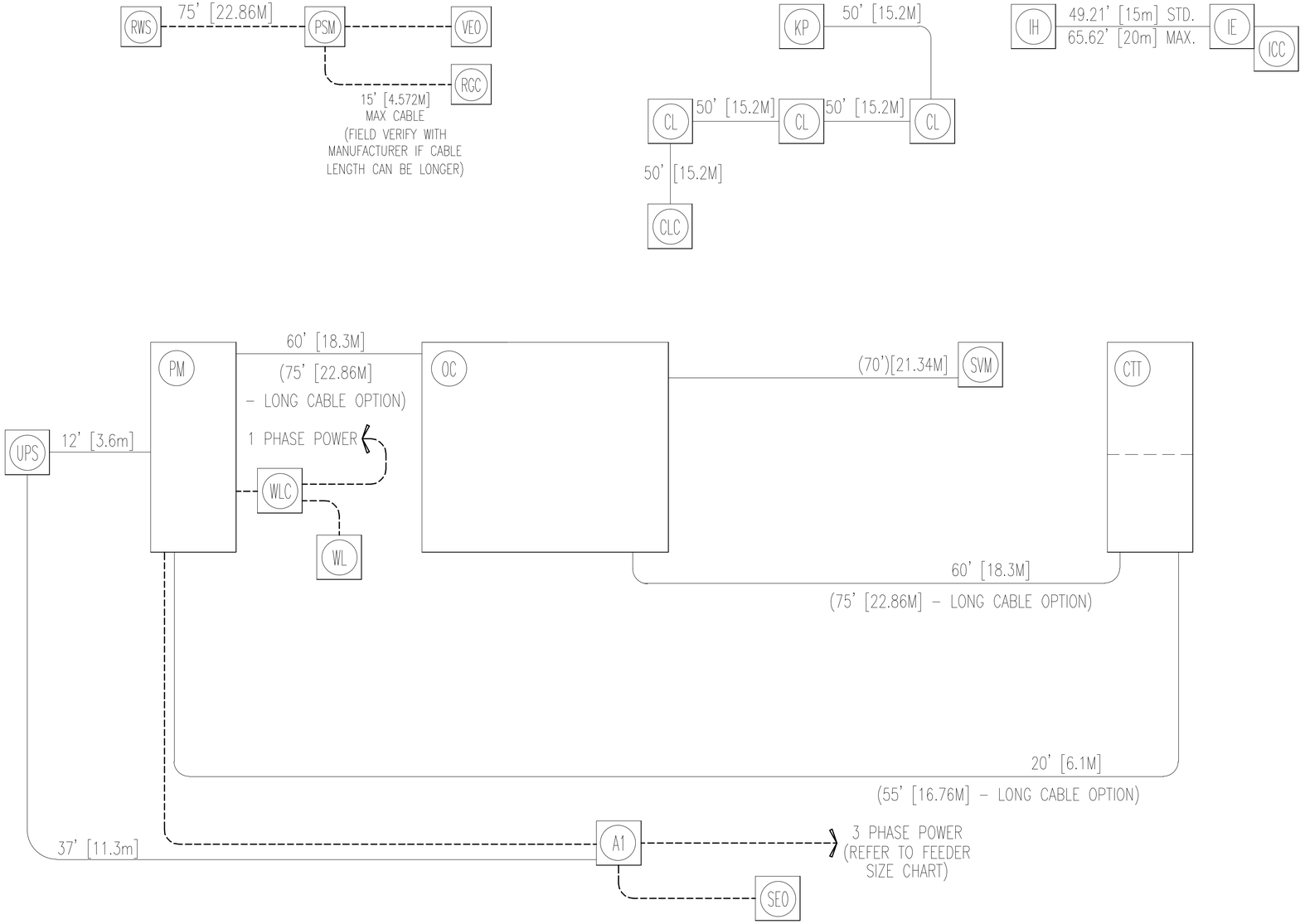
PROJECT	REVISION
6-64f	05

DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

REVISION HISTORY:

SHEET
E1

INTERCONNECT DIAGRAM



POWER SPECIFICATIONS

CT LightSpeed Pro 16 / RT / VCT

(REV. DATE 04/15/07)

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
		MAXIMUM	CONTINUOUS	
380	342-418	253	38	150-A
400	360-440	241	36	150-A
420	378-462	229	34	150-A
440	396-484	219	33	125-A
460	414-506	209	31	125-A
480	**432-528**	**200**	**30**	**125-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 EXCURSIONS ARE 2.5 PERCENT OF RATED LINE VOLTAGE AT A MAXIMUM DURATION OF 1 CYCLE AND FREQUENCY OF 10 TIMES PER HOUR.

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 = 25 KVA (MAX DEMAND = 150 KVA)

TABLE B MAXIMUM MOMENTARY POWER DEMAND.

DEMAND	CT HiSpeed
kVa *	150
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 225 KVA. GE DOES NOT RECOMMEND USING A REGULATION DEVICE.

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 DISTRITBUTION 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]

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS
MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6-64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6-64f	05

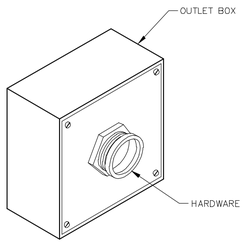
DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

REVISION HISTORY:

SHEET
E2

ELECTRICAL DETAIL — BOX WITH COVERPLATE (TYPICAL) — ELEC–8

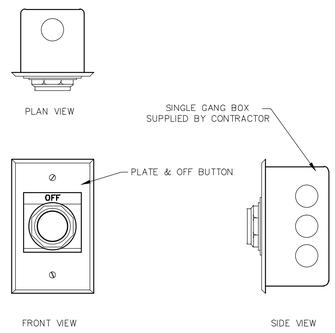
REV. DATE: 09/30/94



DETAIL NOT TO SCALE

ELECTRICAL DETAIL — EMERGENCY OFF BUTTON — ELEC–16

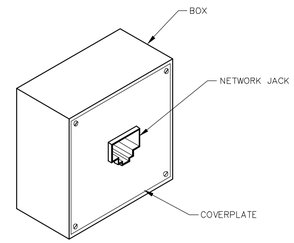
REV. DATE: 08/22/05



DETAIL NOT TO SCALE

ELECTRICAL DETAIL — BOX WITH COVERPLATE AND NETWORK JACK — ELEC–83

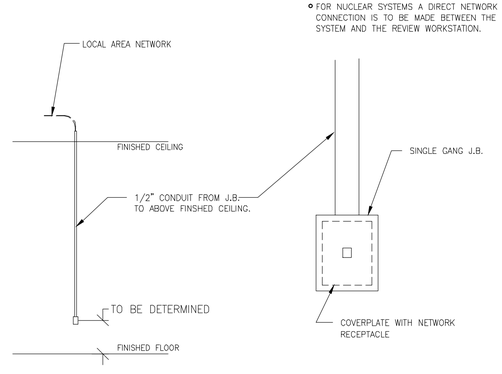
REV. DATE: 10/06/98



DETAIL NOT TO SCALE

ELECTRICAL DETAIL — NETWORK CONNECTION (TYPICAL) — ELEC–84

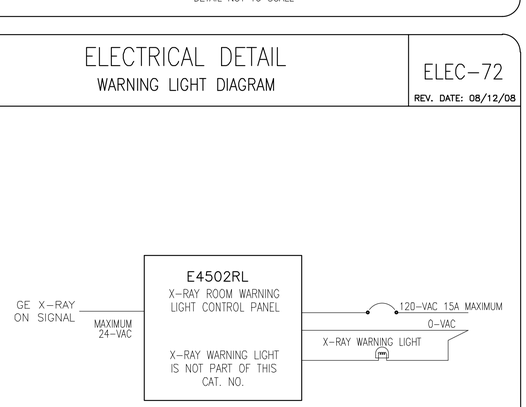
REV. DATE: 03/06/04



DETAIL NOT TO SCALE

ELECTRICAL DETAIL — WARNING LIGHT DIAGRAM — ELEC–72

REV. DATE: 08/12/08

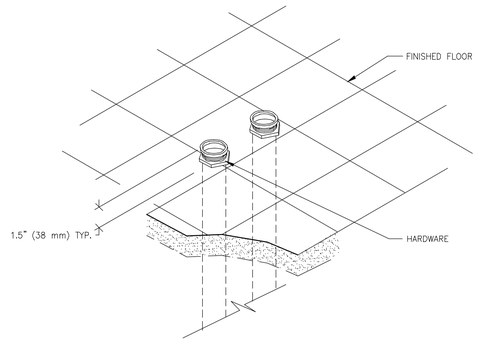


UNLESS SPECIFIED ON SHEET A1 AS BEING INCLUDED ON EQUIPMENT ORDER, ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER'S CONTRACTOR

DRAWING NOT TO SCALE

ELECTRICAL DETAIL — CONDUITS THRU–FLOOR (TYPICAL) — ELEC–9

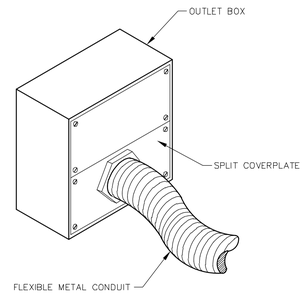
REV. DATE: 08/08/94



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

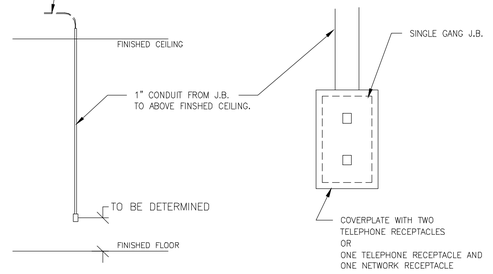
REV. DATE: 04/24/02

ONE OF THE FOLLOWING TWO SELECTIONS MUST BE INSTALLED AT THE LOCATION SHOWN ON THE ELECTRICAL PLAN (SHEET E1) FOR GE INSITE CONNECTION BASED UPON SYSTEM CONFIGURATION.

A) ONE INTERNET ACCESSIBLE VIRTUAL PRIVATE NETWORK (VPN) CONNECTION WITH A STATIC IP ADDRESS, AND ONE TELEPHONE LINE – DEDICATED–DIRECT–DIALING, VOICE GRADE.

OR

B) TWO TELEPHONE LINES – ONE DEDICATED DIRECT–DISTANCE–DIALING, VOICE GRADE AND ONE A DEDICATED DATA LINE.

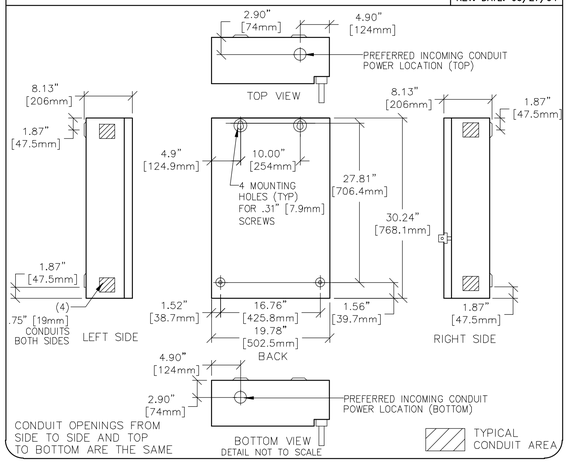


ALL ITEMS ILLUSTRATED ARE TO BE FURNISHED AND INSTALLED BY CUSTOMER OR THEIR CONTRACTOR.

DETAIL NOT TO SCALE

ELECTRICAL DETAIL — MAIN DISCONNECT PANEL — ELEC–135

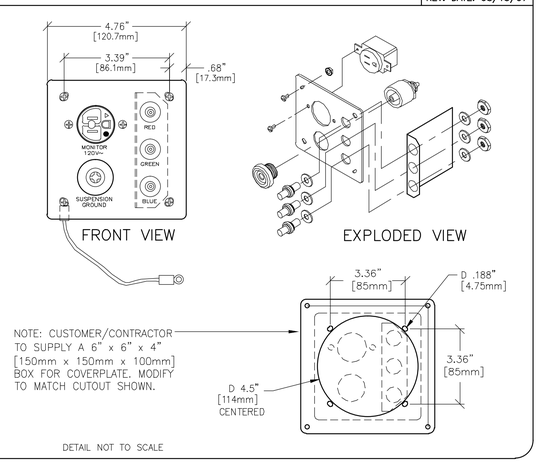
REV. DATE: 09/27/04



DETAIL NOT TO SCALE

EQUIPMENT DETAIL — CEILING PLATE (TYPICAL) — ELEC–77

REV. DATE: 08/13/07



DETAIL NOT TO SCALE

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare

IS Services Design Center

Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL DETAILS

MODALITY TYPE: LIGHTSPEED RT16/XTRA

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 ALL KNOWN NATIONAL CODES. HOWEVER, AND THE COMPANY CANNOT ACCEPT ACTUAL CONSTRUCTION PURPOSES. RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

PROJECT TITLE: 6–64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6–64f	05

DATE: 25.Jan.12

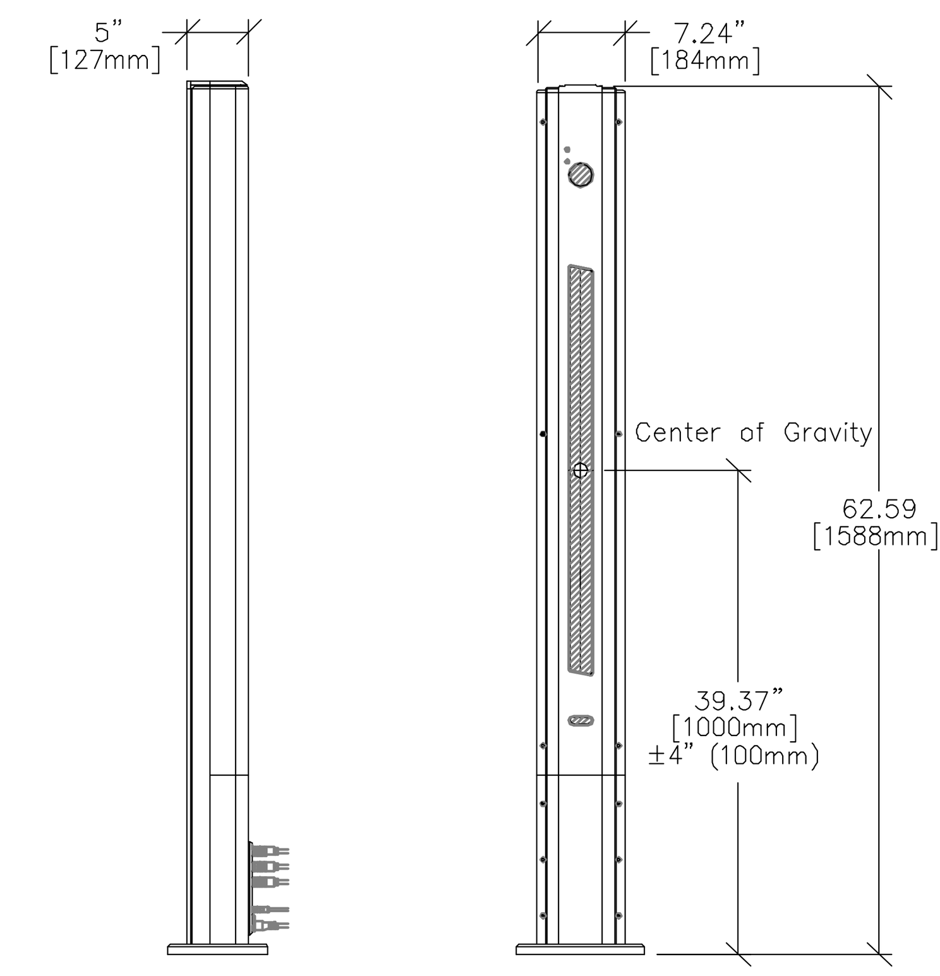
DRAWN BY: JGA

CHECKED BY: JGA

REVISION HISTORY:

SHEET E3

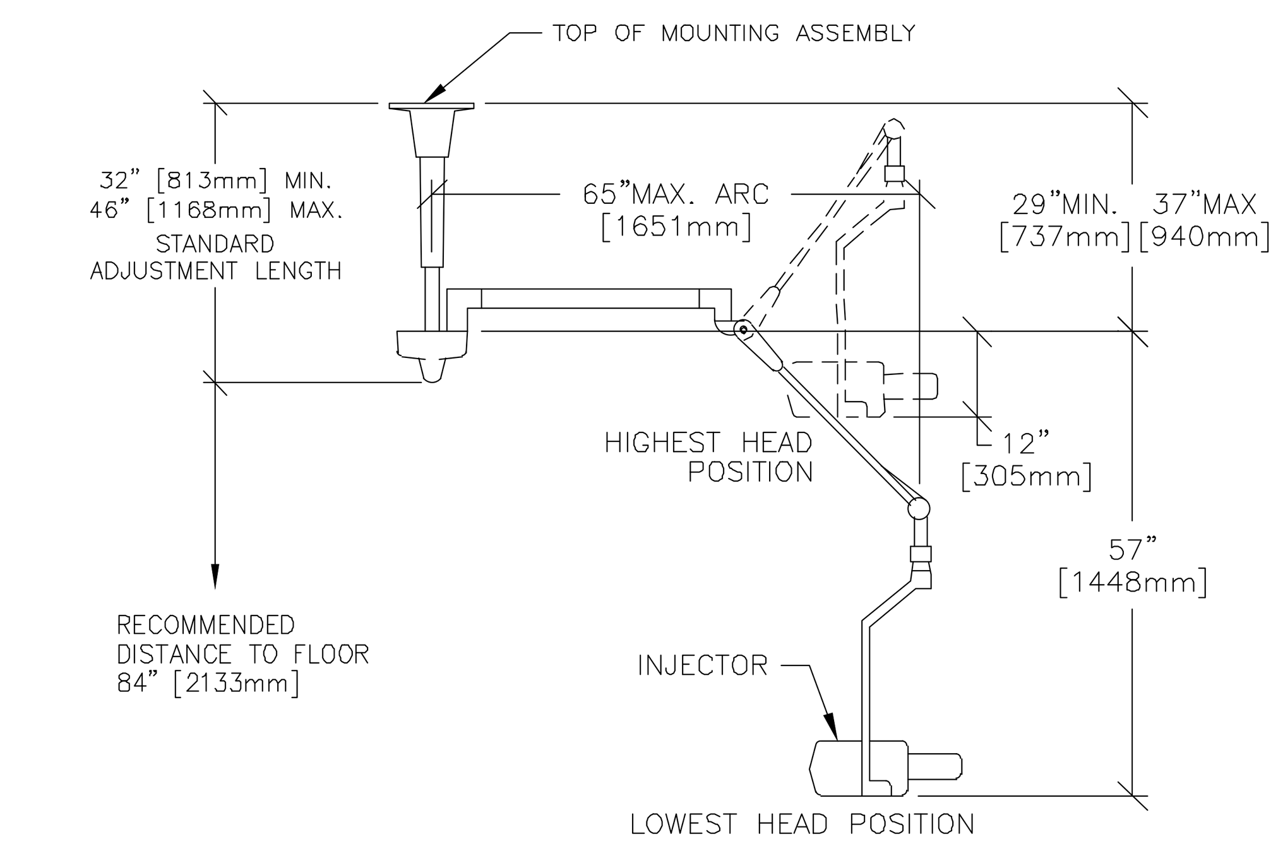
EQUIPMENT DETAIL — SIDE MOVING LASER
B7998B
REV. DATE: 03/15/03



DETAIL NOT TO SCALE

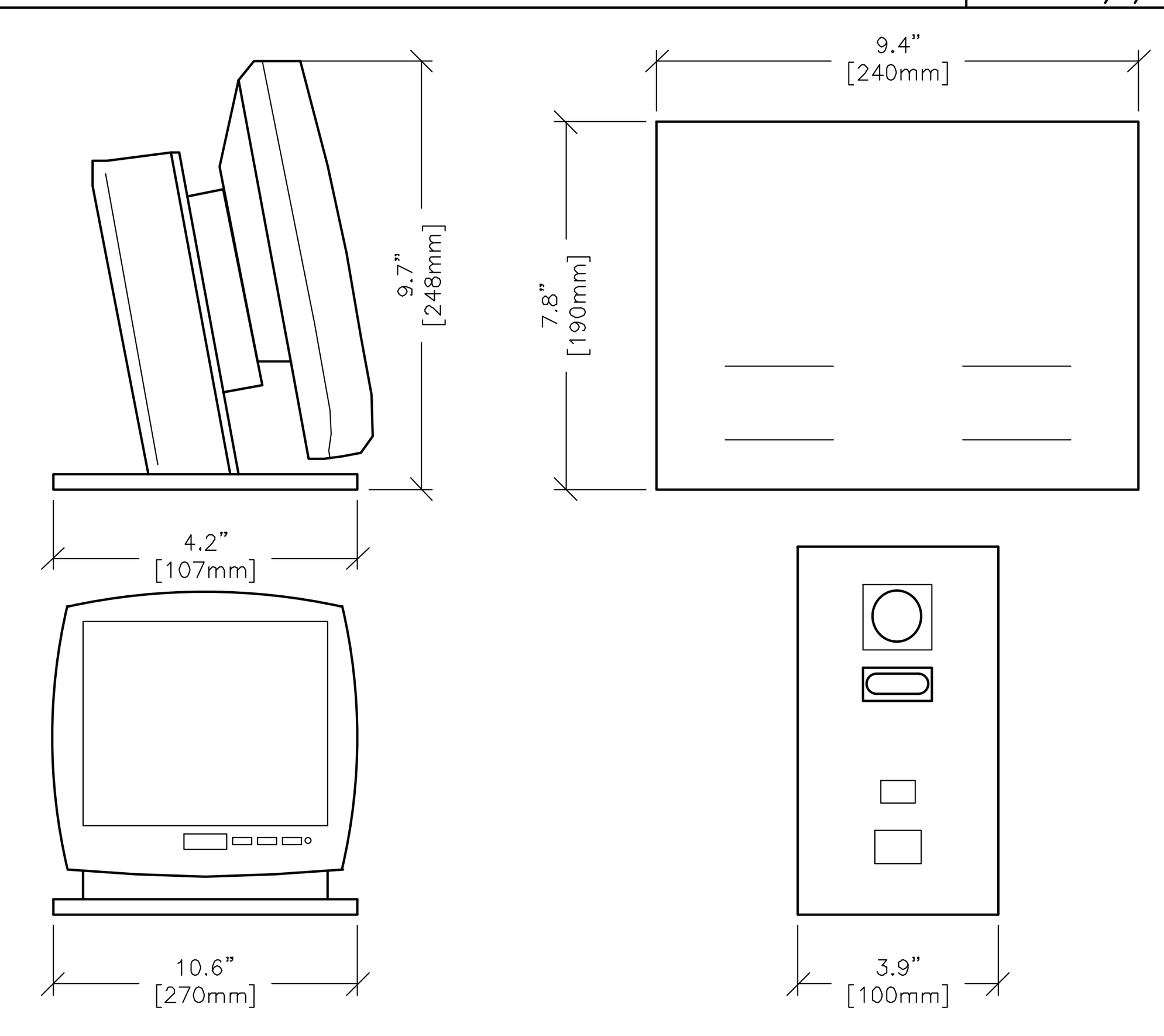
EQUIPMENT DETAIL — INJECTOR ON OVERHEAD COUNTERPOISED SUSPENSION
B50-31
REV. DATE: 05/04/02

VERIFY MOUNTING ASSEMBLY DIMENSIONS WITH INJECTOR MANUFACTURER.



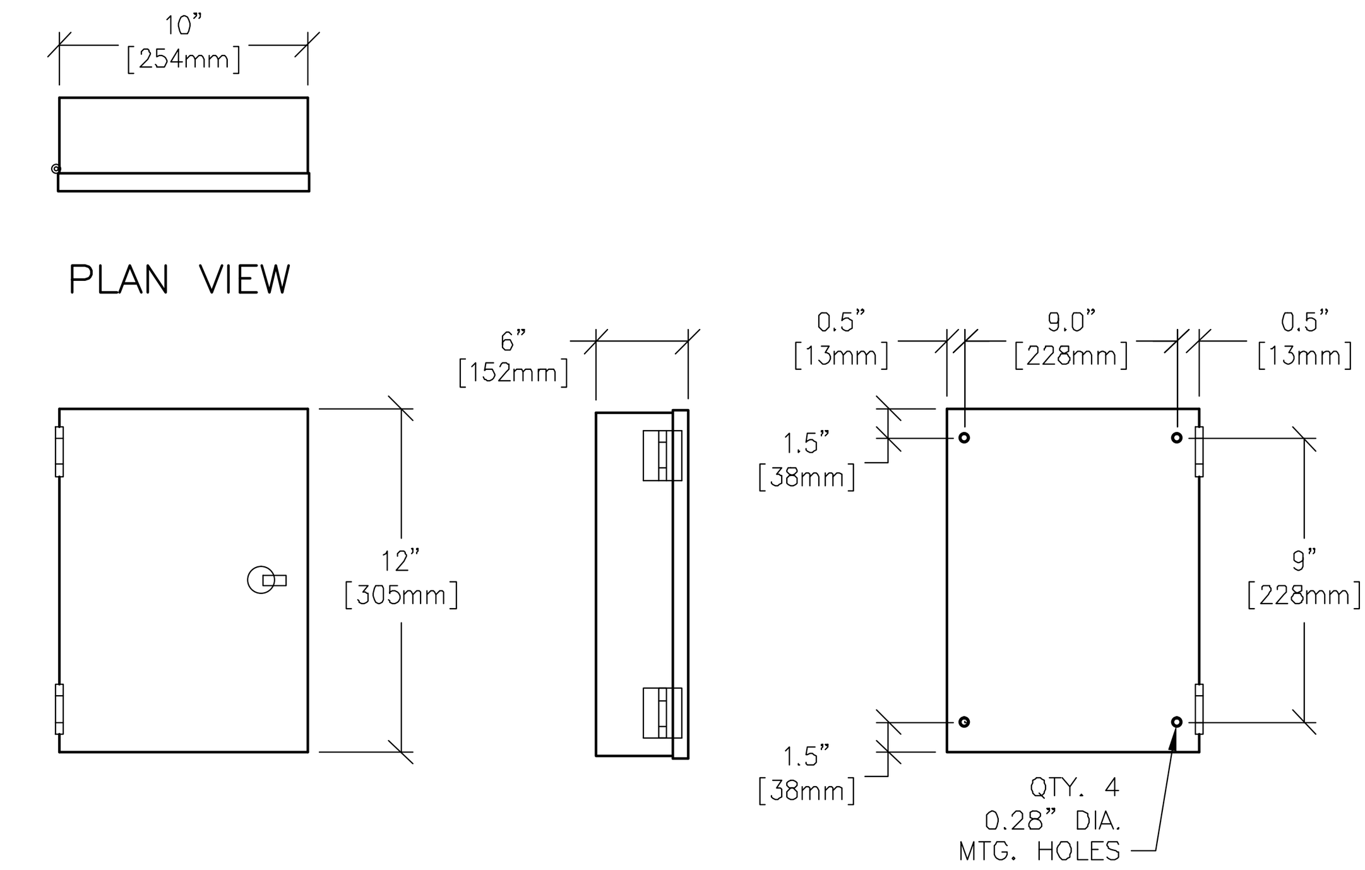
DRAWING NOT TO SCALE

EQUIPMENT DETAIL — NEMOTO INJECTOR ELECTRONICS
B8007C
REV. 00: 7/9/08



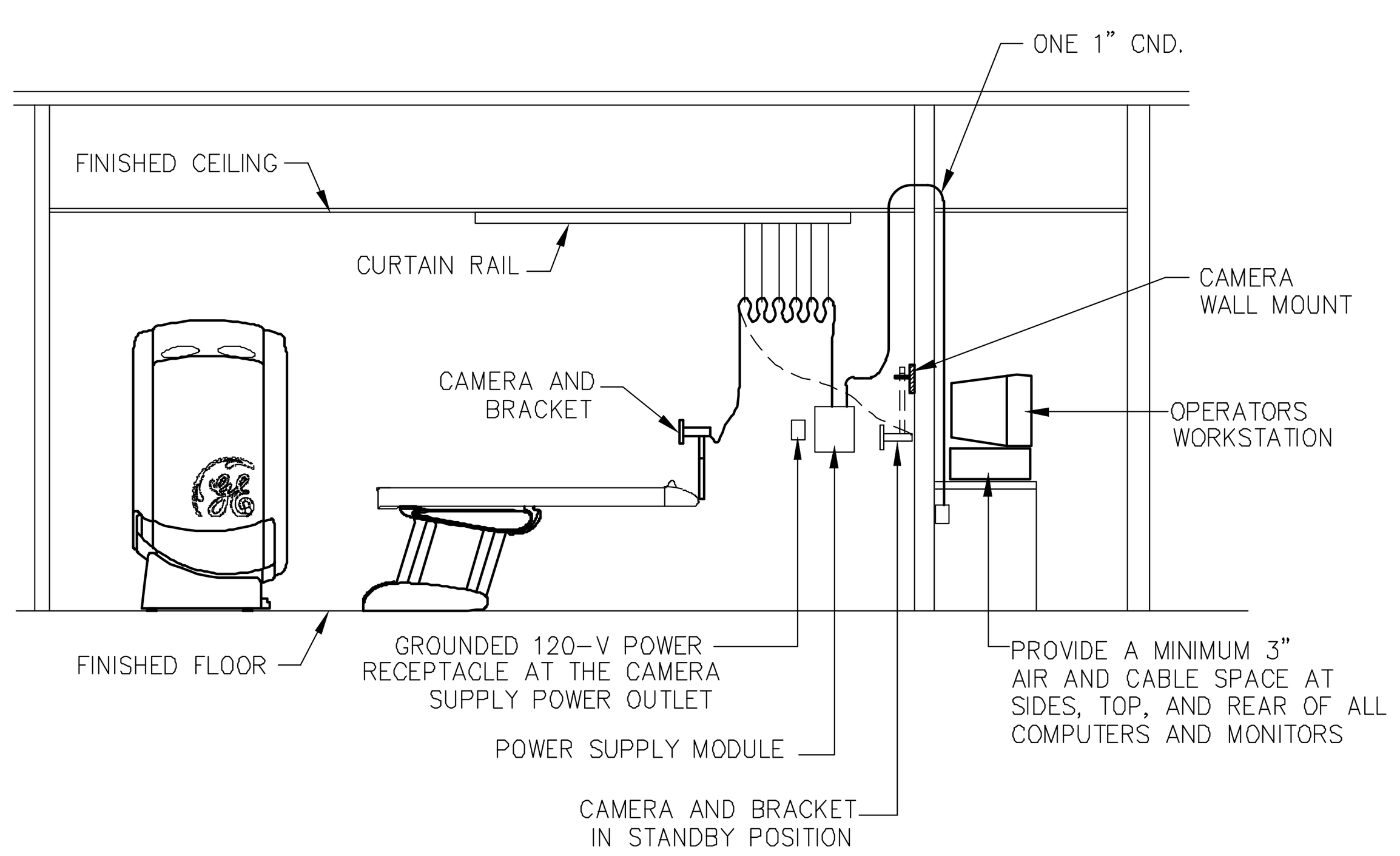
DRAWING NOT TO SCALE

EQUIPMENT DETAIL — VARIAN POWER SUPPLY (PSM)
R4504D
REV. DATE: 07/14/08



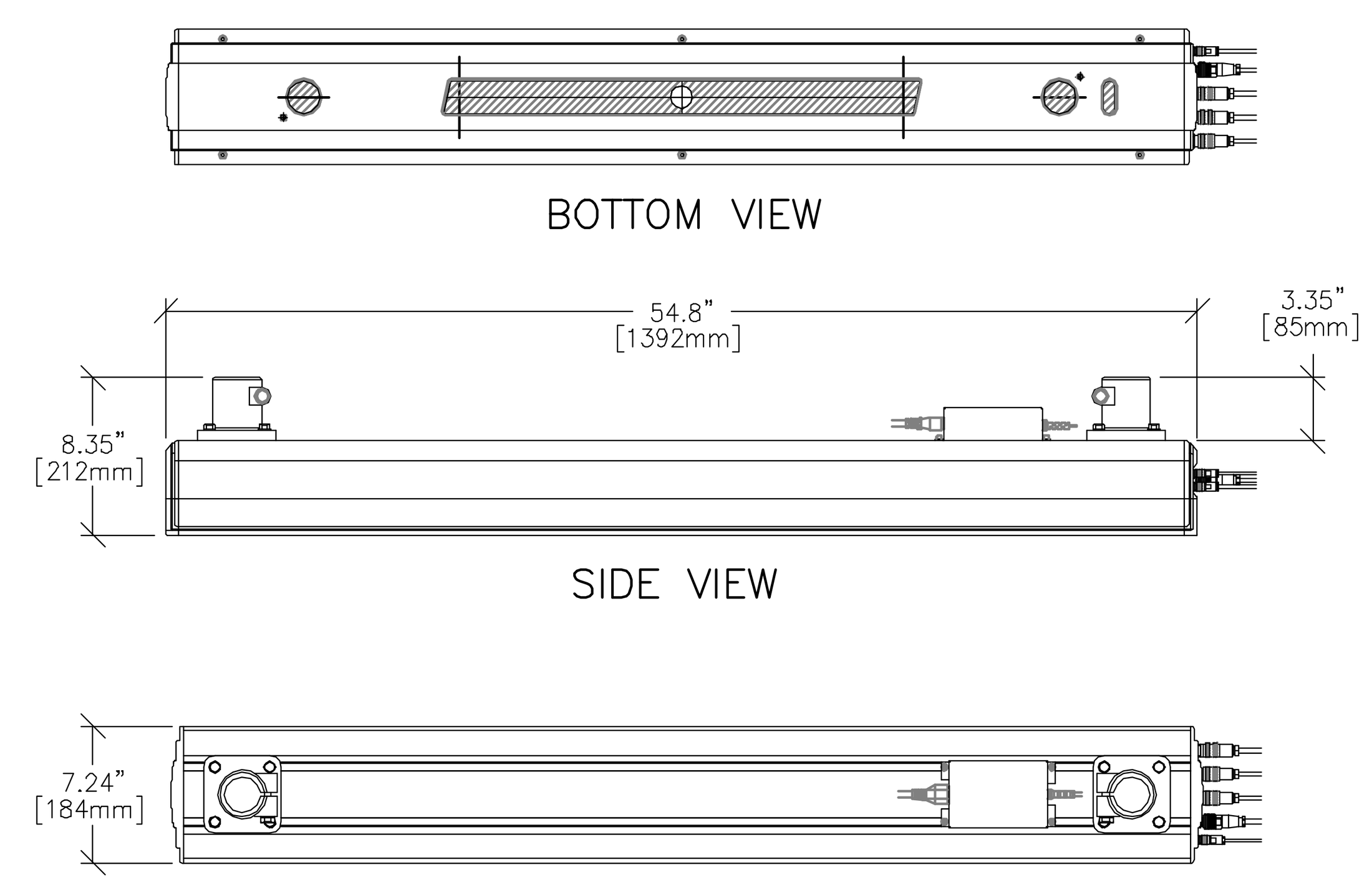
DETAIL NOT TO SCALE

EQUIPMENT DETAIL — GATING INSTALLATION – TYPICAL ROOM SECTION
E8819KA
REV. DATE: 01/23/09



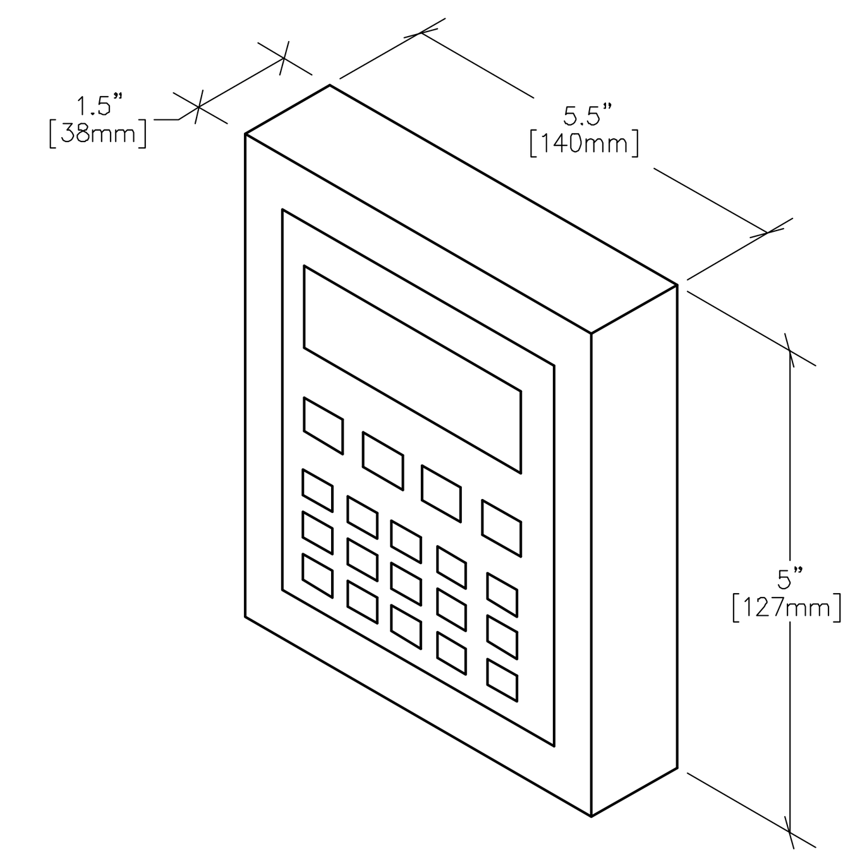
SIDE VIEW
DETAIL NOT TO SCALE

EQUIPMENT DETAIL — OVERHEAD LASER
B7998A
REV. DATE: 03/15/03



DETAIL NOT TO SCALE

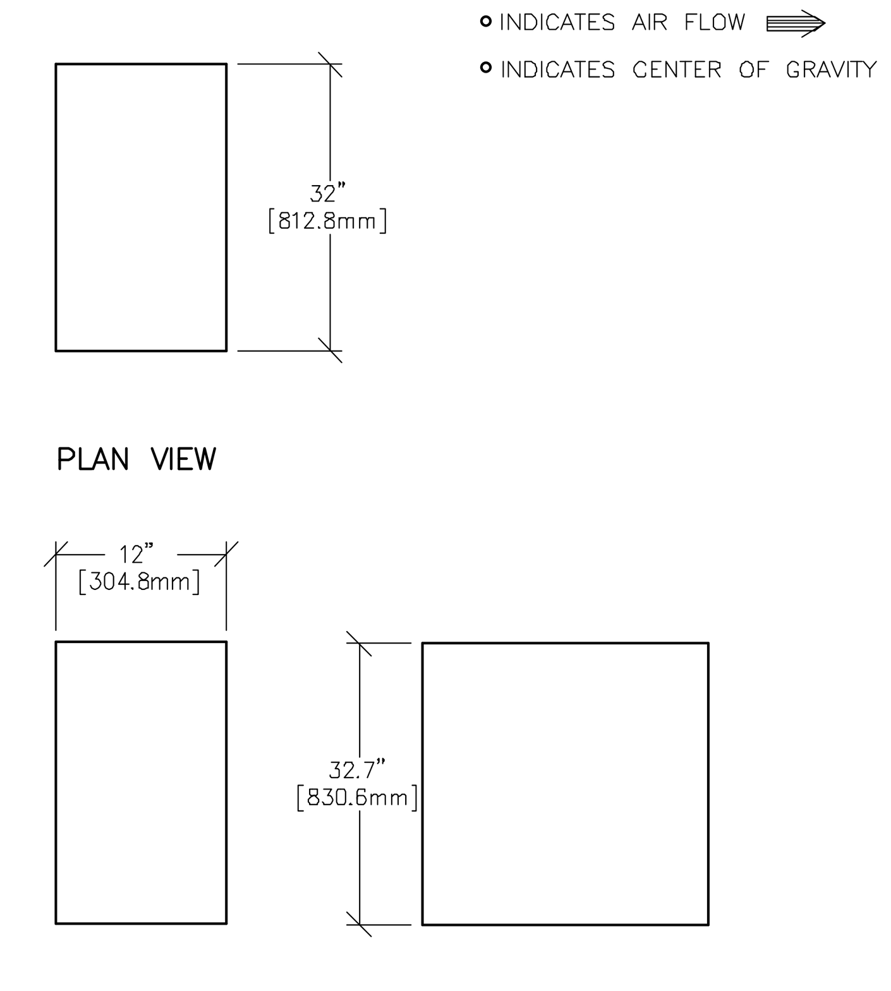
EQUIPMENT DETAIL — LAP LASER KEYPAD
B7998F
REV. DATE: 05/23/03



DETAIL NOT TO SCALE

EQUIPMENT DETAIL — 10KVA UPS SYSTEM
B79-99ZA
REV. DATE: 04/18/06

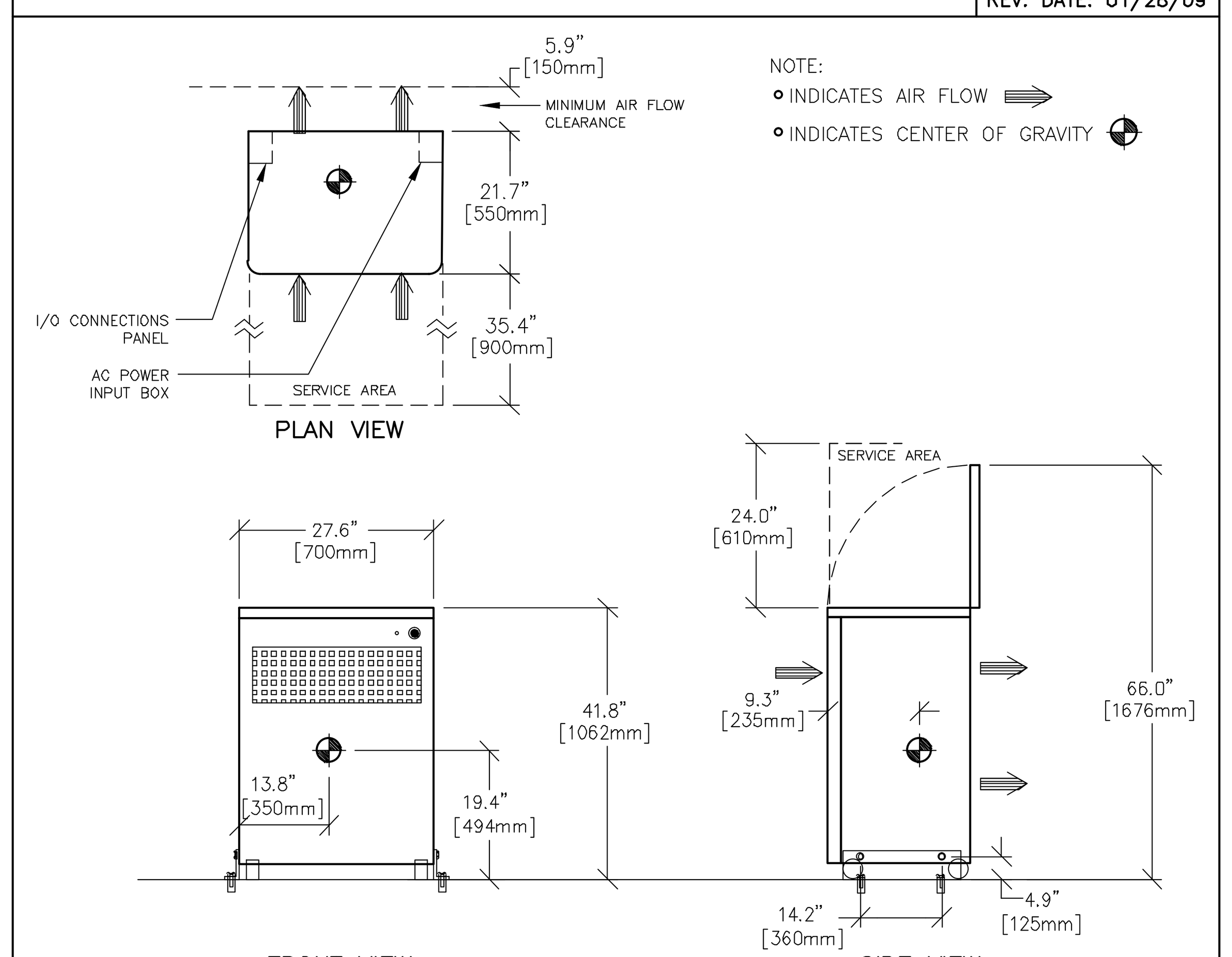
NOTE:
- INDICATES AIR FLOW
- INDICATES CENTER OF GRAVITY



UPS CABINET

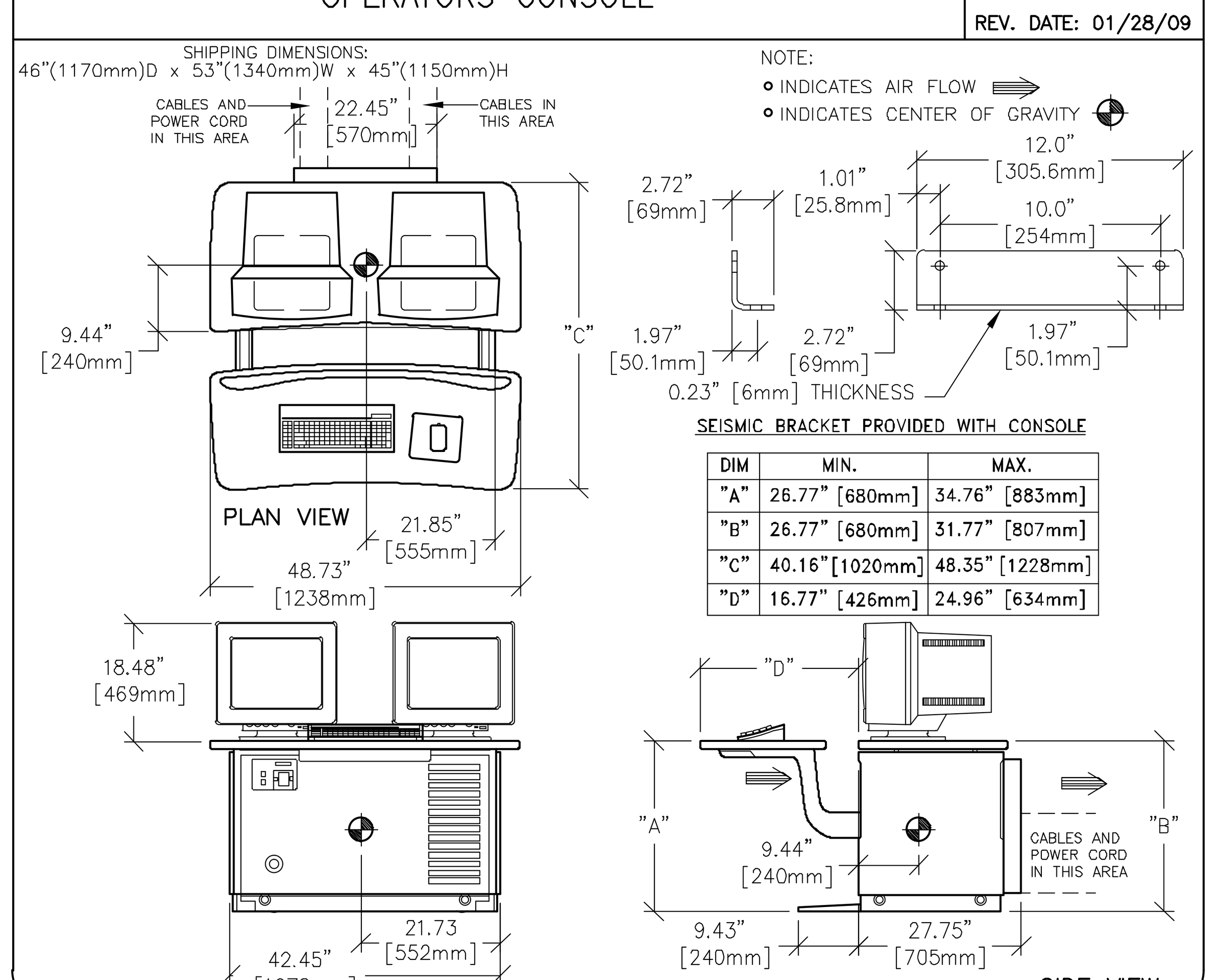
EQUIPMENT DETAIL — POWER DISTRIBUTION UNIT
B78-58D
REV. DATE: 01/28/09

NOTE:
- INDICATES AIR FLOW
- INDICATES CENTER OF GRAVITY



EQUIPMENT DETAIL — OPERATORS CONSOLE
B78-58A
REV. DATE: 01/28/09

NOTE:
- INDICATES AIR FLOW
- INDICATES CENTER OF GRAVITY

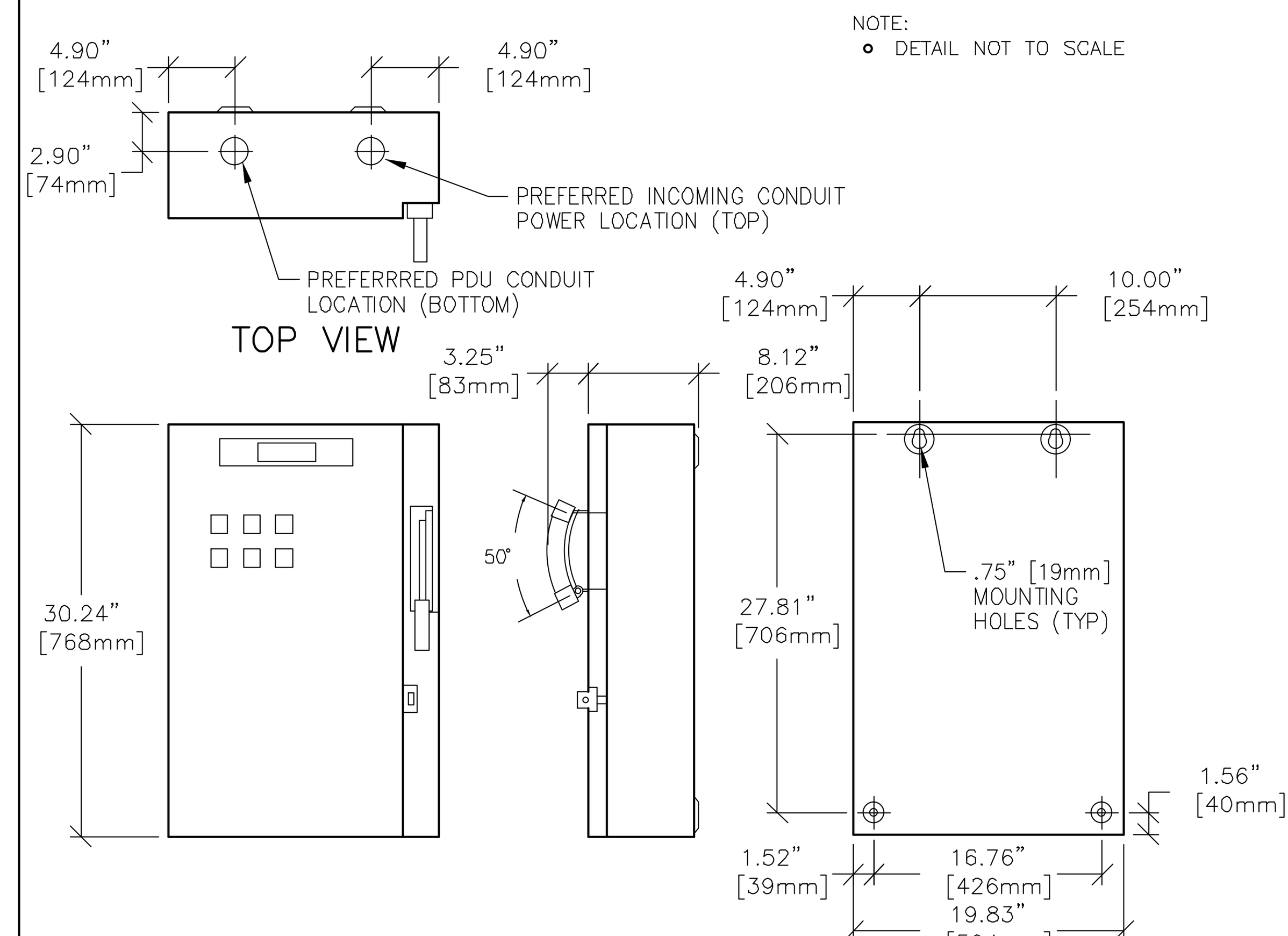


SEISMIC BRACKET PROVIDED WITH CONSOLE

DIM	MIN.	MAX.
"A"	26.77" [680mm]	34.76" [883mm]
"B"	26.77" [680mm]	31.77" [807mm]
"C"	40.16" [1020mm]	48.35" [1228mm]
"D"	16.77" [426mm]	24.96" [634mm]

EQUIPMENT DETAIL — MAIN LINE CONTACTOR - OPTIONAL
E45-02AE
REV. DATE: 02/20/04

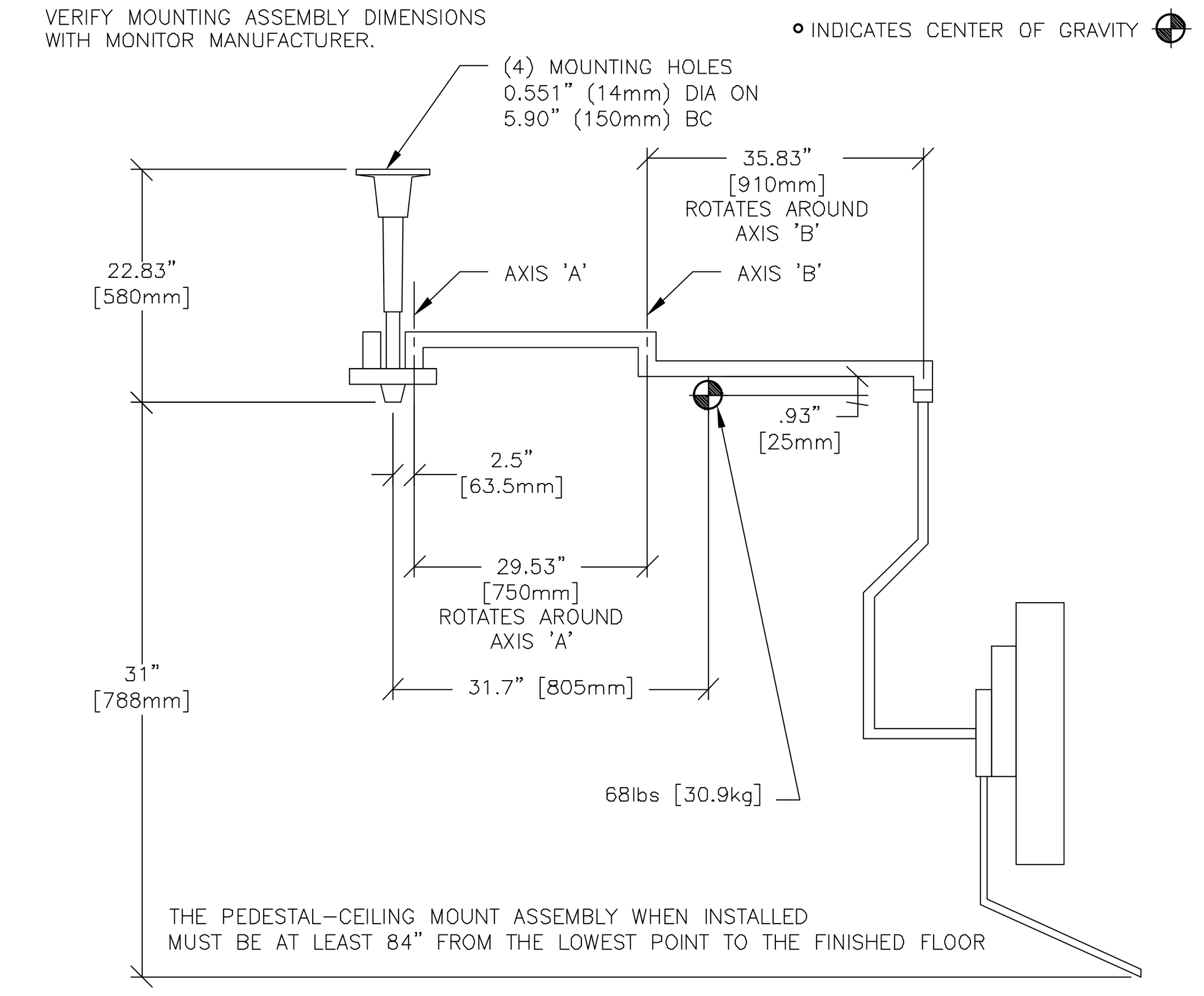
NOTE:
- DETAIL NOT TO SCALE



EQUIPMENT DETAIL — MONITOR ON OVERHEAD COUNTERPOISED SUSPENSION
B5031S
REV. DATE: 04/28/08

VERIFY MOUNTING ASSEMBLY DIMENSIONS WITH MONITOR MANUFACTURER.

- INDICATES CENTER OF GRAVITY



THE PEDESTAL-CEILING MOUNT ASSEMBLY WHEN INSTALLED MUST BE AT LEAST 84" FROM THE LOWEST POINT TO THE FINISHED FLOOR

DRAWING NOT TO SCALE

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

PIM R11

GE Healthcare
IS Services Design Center
Milwaukee, Wisconsin

SHEET TITLE: EQUIPMENT DETAILS
MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6-64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6-64f	05

DATE: 25.Jan.12
DRAWN BY: JGA
CHECKED BY: JGA

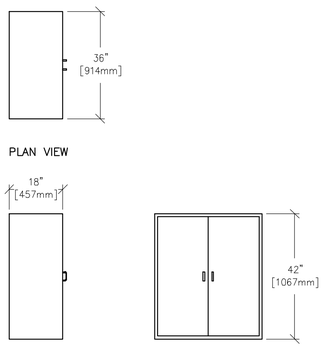
REVISION HISTORY:

SHEET
D1

EQUIPMENT DETAIL — TYPICAL STORAGE CABINET

M33005

REV. DATE: 02/26/09

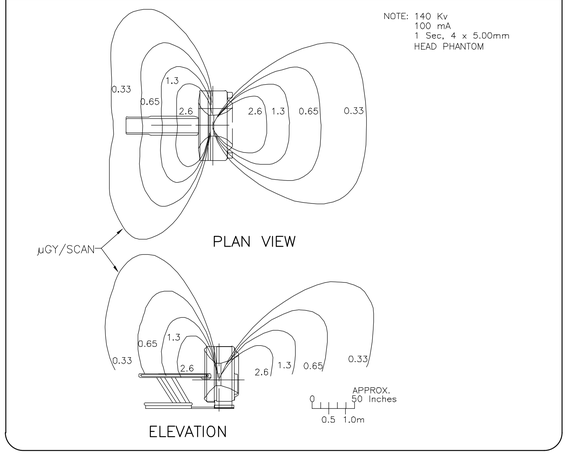


DETAIL NOT TO SCALE

EQUIPMENT DETAIL — CT TYPICAL SCATTER SURVEY

B7817B

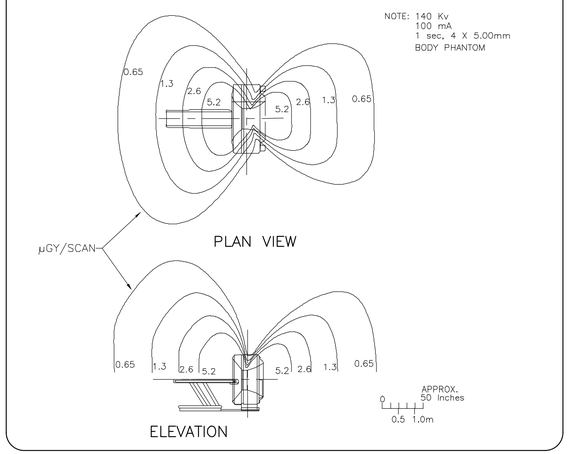
REV. DATE: 03/23/07



EQUIPMENT DETAIL — CT TYPICAL SCATTER SURVEY

B7817A

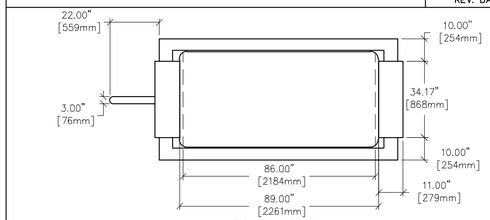
REV. DATE: 03/23/07



EQUIPMENT DETAIL — CT GANTRY SHIPPING DETAIL

B7817C

REV. DATE: 04/15/07



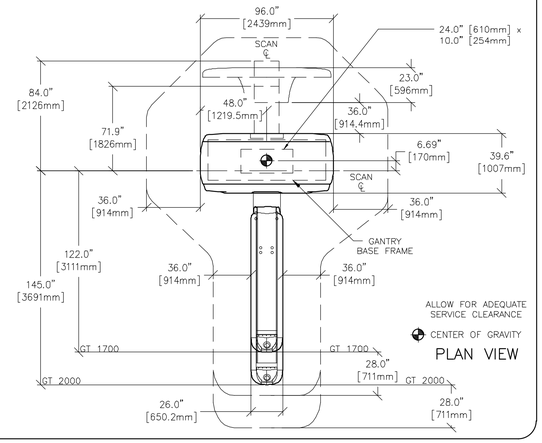
GANTRY DELIVERY SIZE OPTIONS

CONFIGURATION	WEIGHT lb [kg]	DIMENSIONS LENGTH in. [mm]	WIDTH in. [mm]	HEIGHT in. [mm]	PERSONS NEEDED	ADDITIONAL PERSON HOURS	COMMENT
NORMAL SHIPPING CONFIGURATION	4445 [2016]	122 [3100]	51 [1295]	79.9 [2029]	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	4395 [1993]	122 [3100]	39.4 [1010]	79.9 [2030]	2	0.5	WITH RAILS REMOVED, BE VERY CAREFUL TO PREVENT DAMAGE TO COVERS.
DOLLIES OFF COVERS OFF	3648 [1655]	85 [2160]	34 [863]	73.6 [1869]	4	3.5	SEE LIFTING PROCEDURE DIRECTION 2243312-100, GX/I PLUS GENERAL SYSTEM INSTALLATION.

EQUIPMENT DETAIL — CT GANTRY AND TABLE LAYOUT

B7817D

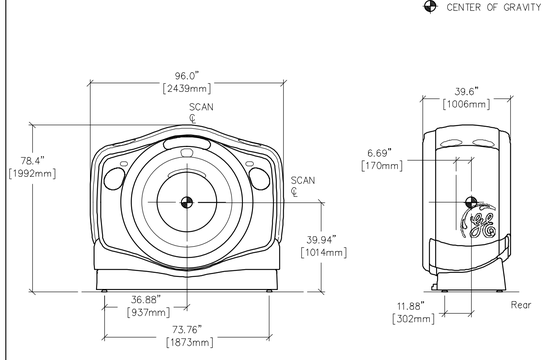
REV. DATE: 01/28/09



EQUIPMENT DETAIL — CT GANTRY

B78–00C

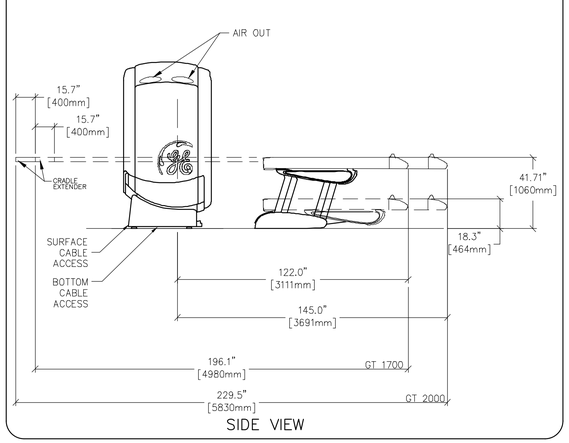
REV. DATE: 01/29/09



EQUIPMENT DETAIL — CT GANTRY AND TABLE LAYOUT

B78–64B

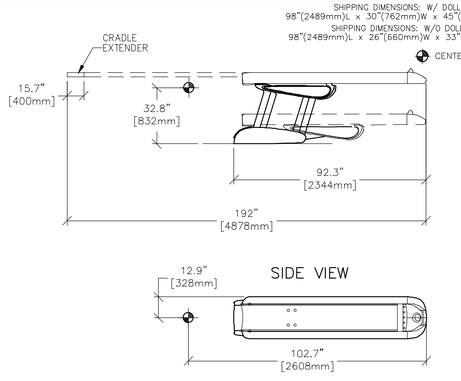
REV. DATE: 01/28/09



EQUIPMENT DETAIL — GT 1700 TABLE

B79–17

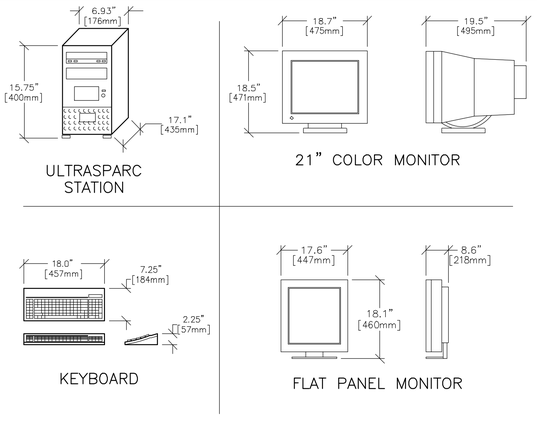
REV. DATE: 01/28/09



EQUIPMENT DETAIL — WORKSTATION

M1013AW

REV. DATE: 04/25/01



DETAIL NOT TO SCALE

PIM R11

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

GE Healthcare

IS Services Design Center

Wisconsin

Milwaukee, WI

SHEET TITLE: EQUIPMENT DETAILS

MODALITY TYPE: LIGHTSPEED RT16/XTRA

PROJECT TITLE: 6–64f TYPICAL FINAL (with GT1700 Table)

PROJECT	REVISION
6–64f	05

DATE: 25.Jan.12

DRAWN BY: JGA

CHECKED BY: JGA

REVISION HISTORY:

SHEET D2