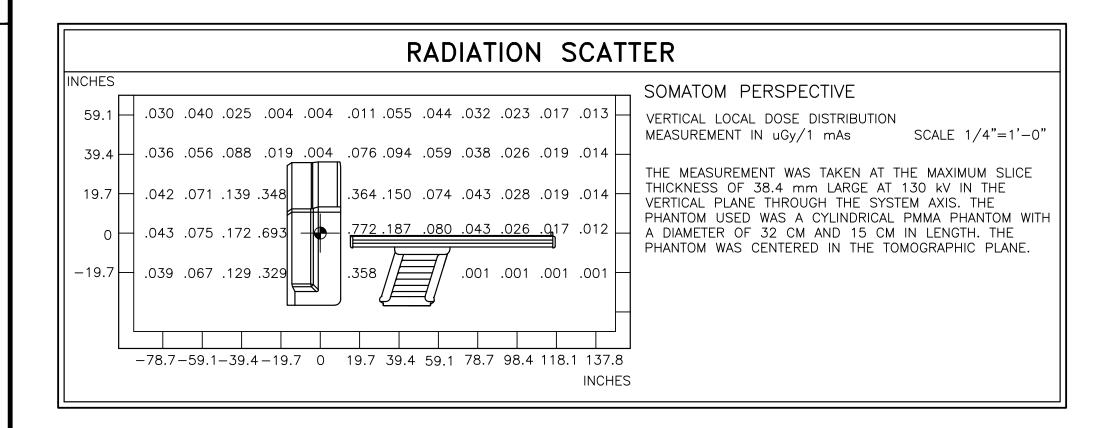


ARCHITECTURAL EQUIPMENT PLAN

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



ENVIRONMENTAL SPECIFICATIONS TEMPERATURE (°F) 0 10 20 30 40 50 60 70 80 85 90 100 % RELATIVE HUMIDITY

1) RECOMMENDED OPERATING CONDITIONS 2) REQUIRED OPERATING CONDITIONS TEMPERATURE, HUMIDITY, DUST, AIR CONTAMINATION: REFER TO THE CLIMATOGRAM ABOVE FOR THE PERMITTED

CLIMATE RANGE.

ATMOSPHERIC PRESSURE: 12 TO 15 PSI THE OPTIMAL ENVIRONMENT FOR THE OPERATOR AND THE SYSTEM IS 75°F WITH A RELATIVE HUMIDITY OF 30-60%. EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS MERV 8 TO FILTER DUST PARTICLES $>10 \mu m$.

THE MAXIMUM TEMPERATURE GRADIENT IS 6 KELVIN PER HOUR.

THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION BY HYDROGEN SULPHIDE, EVEN IN SMALL AMOUNTS. IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS HAVE TO BE TAKEN. E.G., EXTRACTOR FANS, SIPHON, MODIFICATION OF VENTILATION INTAKE, ETC..

RADIATION SCATTER INCHES .030 .036 .041 .042 .041 .037 .030 .041 .059 .071 .078 .071 .057 .042 .029 .093 .144 .173 .141 .093 .031 .003 .01<u>2 .388 .698 .359 .022</u> .003 .010 .085 .363 .720 .389 .087 .013 .052 .095 .141 .182 .146 .098 .057 .041 .054 .071 .080 .070 .057 .043 **−**78.7**⊦** .029 .034 .040 .042 041 .035 .029 .020 .023 .026 .025 026 .023 .021 .015 .016 .018 .017 .018 .017 .015 −137.8|− .011 .012 .013 .012 .013 .012 .012 -59.1 - 39.4 - 19.7 0 19.7 39.4 59.1 INCHES

SOMATOM PERSPECTIVE MEASUREMENT IN uGy/1 mAs SCALE 1/4"=1'-0" THE MEASUREMENT WAS TAKEN AT THE MAXIMUM SLICE THICKNESS OF 38.4 mm LARGE AT 130 kV IN THE

HORIZONTAL PLANE THROUGH THE SYSTEM AXIS. THE PHANTOM USED WAS A CYLINDRICAL PMMA PHANTOM WITH A DIAMETER OF 32 CM AND 15 CM IN LENGTH. THE PHANTOM WAS CENTERED IN THE TOMOGRAPHIC PLANE.

STATE AGENCY REVIEW

PRIOR TO SIEMENS EQUIPMENT INSTALLATION, APPROVAL OF CONSTRUCTION OR STRUCTURAL MODIFICATIONS UTILIZING X-RAY FOR DIAGNOSTIC OR THERAPEUTIC PURPOSES, MUST BE OBTAINED BY THE CUSTOMER FROM THE APPROPRIATE STATE AGENCY, IF APPLICABLE.

	EC	QUIP	MENT	LEGE	ND			
NO	DESCRIPTION		WEIGHT	BTU/HR	DIMENSIONS (INCHES)			REMARKS
		SYM	(LBS)	TO AIR	W	D	Н	
1	OPERATING CONSOLE (OPTION)	\Box	79.5		47 1/4	36 5/8	29 3/4	1200mm
2	IMAGE CONTROL SYSTEM AND STANDARD COMPONENTS	(CS)	<66	2,389**	7 5/16	18 15/16	17	**TOTAL
3	IMAGE RECONSTRUCTION SYSTEM	(RS)	<55	**	7 5/16	19	17	
4	UPS FOR IMS (VERTICAL)	(P)	65	**	5 3/16	19 5/16	17 5/16	
(5)	COMPUTER CONTAINER (OPTION)	\Box	161		39 3/8	36 5/8	29 3/4	HOUSING FOR ICS/IRS
6	SOMATOM PERSPECTIVE GANTRY	B	2,941	23,218	89 9/16	26 3/4	71 5/8	
7	PATIENT TABLE	\Box	950		97 3/8	27 1/2	19 5/8	MAX. HEIGHT 35"
8	LINE CONNECTION BOX	(B)	249	1,365	29 1/2	11 3/4	32	
9	EATON SURGE PROTECTIVE DEVICE PANEL (OPTION)	⟨ PP ⟩	13.5		7 1/2	6 11/16	12	WALL MOUNTED
10	CARE VISION DUAL MONITOR (OPTION)	(F1)	122					CEILING MOUNTED
11	MEDRAD DISPLAY CONTROL UNIT/BASE UNIT (OPTION)	(N2)						BASE UNIT CAN BE PLACE UNDER COUNTER
(12)	CEILING MOUNTED MEDRAD INJECTOR (OPTION)	(N3)	106					SEE MFG SPECIFICATIONS

TRANSPORT AND DELIVERY NOTES TOTAL GANTRY TRANSPORT WEIGHT: 3,217 LBS. GANTRY WITHOUT TRANSPORT DEVICE: 2,941 LBS. TRANSPORT DEVICE: 276 LBS. NORMAL TRANSPORT REQUIREMENTS: NARROW SPACE TRANSPORT REQUIREMENTS: DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY AS OR DOORWAY THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN BELOW. THE MAXIMUM WIDTH IS 4'-8 11/16" AND THE SHOWN BELOW. THE MAXIMUM WIDTH IS 2'-9 1/4" AND THE MAXIMUM LENGTH IS 8'-2 1/8" WHEN CASTERS ARE SWIVELED MAXIMUM LENGTH IS 10'-9 13/16". 4'-9 1/2" MINIMUM 2'-11 1/2" MINIMUM

	Project Milestones To Be Completed Before Equipment Delivery	Reference Sheet
	Lead shielding (walls, doors, windows) complete	A-102
	Climate control functioning 24 hours a day, 7 days a week	A-101
	Delivery path verified	A-101
	Casework complete in exam and control rooms	A-101
	Floor levelness verified and within specifications	S-501
	Floor thickness verified and within specifications	S-501
	All conduits, troughs, and core drills are outside of the No Core Drill areas	E-102
	Carevision anchor plate installed (if applicable)	S-102
	Overhead injector support structure and plate installed (if applicable)	S-102
	Ceiling height verfied (check min. height with options)	S-102
	Cables runs checked to ensure maximum length is not exceeded	E-101
	Cables inlets installed at locations per plans	E-102
	Main panel and breakers installed	E-102
	Contractor supplied electrical cabling and pigtails installed	E-102
	Contractor supplied EPO's installed and functioning	E-102
	Contractor supplied X-Ray warning light and wiring installed	E-501
	Outdoor chiller unit and service switch installed (water/air option) (if applicable)	M-101
	Indoor chiller unit installed (water/air option) (if applicable)	M-101
	Water lines flushed and pressure tested (for hard-piping only) (if applicable)	M-101
	Additional fittings/adapters ordered for hard piping (water/air option) (if applicable)	M-101
	Vertical distance between indoor and outdoor unit verified (water/air option) (if applicable)	A-101
000000000000000000000000000000000000000	Extension cables installed for chiller if standard distance exceeded between indoor and outdoor units (water/air option) (if applicable)	M-101
	Facility water verified to meet equipment requirements (Facility supplied water option) (if applicable)	M-101
	Room lighting complete and functioning	A-101
	All rooms containing Siemens equipment are clean and dust free	A-101
	Network addresses obtained for Siemens Remote Services (SRS)	A-102

ARCHITECTURAL NOTES

1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS HEALTHCARE ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICEABILITY OF THE EQUIPMENT BEING PROPOSED. SIEMENS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTEREST OF BOTH THE CUSTOMER AND SIEMENS. ALL EQUIPMENT LAYOUTS ARE BASED EITHER ON AN ACTUAL SITE SURVEY OR ARCHITECTURAL DRAWINGS SUPPLIED TO SIEMENS. SIEMENS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENCROACH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (I.E., PIPE CHASES, VENTILATION DUCTS, CASEWORK, AND SOFFITS, ETC.) MADE BY THE CUSTOMER OR REQUIRED BY A CUSTOMER'S ARCHITECTURAL FIRM ONCE PRELIMINARY DRAWINGS HAVE BEEN SUBMITTED AND APPROVED. DO NOT ALTER ANY SPECIFICATIONS AND/OR DIMENSIONS WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER. 2) SIEMENS HEALTHCARE IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. DRAWINGS SUPPLIED BY SIEMENS ARE NOT CONSTRUCTION DRAWINGS. THEREFORE, THESE DRAWINGS ARE TO BE USED ONLY FOR INFORMATION TO COMPLEMENT ACTUAL CONSTRUCTION DRAWINGS AVAILABLE FROM A CUSTOMER APPOINTED ARCHITECTURAL REPRESENTATIVE OR A CUSTOMER'S ENGINEERING DESIGN GROUP. THE CUSTOMER'S ARCHITECT AND GENERAL CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES AND PROFESSIONAL DESIGN REQUIREMENTS INCLUDING OSHA/NEC SAFETY CLEARANCE REQUIREMENTS IN ADDITION TO SIEMENS-REQUIRED SAFETY/SERVICE CLEARANCES SHOWN. 3) THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA

PREPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND

4) EQUIPMENT WARRANTIES, EXPRESSED OR IMPLIED ON THE PART OF SÍEMENS SHALL BE CONTINGENT UPON STRICT COMPLIANCE WITH THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND RECOMMENDATIONS AND REQUIREMENTS CONTAINED IN THESE DRAWINGS, UNLESS SPECIFIED OTHERWISE.

5) ALL DIMENSIONS SHOWN ARE FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE. 6) THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING

REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST. ACTUAL PROTECTION REQUIREMENTS SHALL BE SPECIFIED BY A REGISTERED RADIATION PHYSICIST AT CUSTOMER'S ENGAGEMENT AND EXPENSE. RESPONSIBILITY FOR ALL INFORMATION AS TO THE ROOM LOCATION, USE, AND NUMBER OF ANTICIPATED EXAMINATIONS TO BE PERFORMED PER TIME PERIOD SHALL BE PROVIDED TO THE PHYSICIST BY THE CUSTOMER. THE CUSTOMER SHALL FURTHER TAKE ALL

RESPONSIBILITY IN THE COMMUNICATION AND COORDINATION OF ACTIVITIES OF THE RADIATION PHYSICIST AND THE ARCHITECTURAL REPRESENTATIVE. 7) SIEMENS HEALTHCARE SHALL BE RESPONSIBLE FOR SIEMENS EQUIPMENT INSTALLATION, CALIBRATION, CONNECTION AND INSTALLATION OF SIEMENS PROVIDED CABLES. THE CUSTOMER/ELECTRICAL CONTRACTOR S RESPONSIBLE FOR TERMINATIONS OF CUSTOMER/ELECTRICAL CONTRACTOR-SUPPLIED CABLES TO SIEMENS EQUIPMENT. IN THE EVENT THAT SPECIFIC TRADE RULES OR LICENSE REQUIREMENTS PROHIBIT THIS

THE CUSTOMER SHALL INITIATE THE SERVICES OF APPROVED OTHER

CONTRACTORS AND PAY FOR SELECTED, APPROVED PARTIES TO PERFORM

THIS WORK WITH SUPERVISION PROVIDED BY SIEMENS. CALIBRATION WHEN ACCOMPLISHED OUTSIDE OF NORMAL INSTALLATION SEQUENCES DUE TO CONTRACTOR OR TRADE RULE ACTIONS OR REQUIREMENTS SHALL BE SUPPORTED BY, CHARGED TO, AND ACCEPTED BY THE CUSTOMER AS AN ADDITIONAL INSTALLATION EXPENSE. 8) THE CUSTOMER SHALL COORDINATE WITH SIEMENS PROJECT MANAGER THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (I.E.: O.R. LIGHTS, MEDICAL GAS COLUMNS, PHYSIOLOGICAL MONITORING INJECTORS, CRT PLATFORMS, SPRINKLER HEADS, SMOKE DETECTORS, ELECTRICAL OUTLETS, HVAC GRILLES,

SPEAKERS, AND GENERAL ROOM LIGHTING, ETC.). 9) THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR ALL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH NEEDS TO BE OR IS REQUIRED TO BE COMPLETED AFTER THE INSTALLATION OF THE SIEMENS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS

10) CUSTOMER/CONTRACTOR MUST ASSIST SIEMENS INSTALLERS WITH INSTALLATION OF EQUIPMENT ABOVE 14'-0". REFER TO THE ELECTRICAL NOTES ON SIEMENS SHEET E-101 FOR MORE DETAILS.

PLANNING REQUIREMENTS

EMERGENCY POWER OFF (EPO) BUTTONS ARE REQUIRED IN CONTROL AREA AND AT LEAST ONE LOCATION IN EXAMINATION OR SCAN ROOM.

DOOR (SAFETY) SWITCHES ARE REQUIRED ON ALL DOORS ACCESSING THE EXAMINATION ROOM IN ACCORDANCE WITH LOCAL CODES.

CASEWORK & ACCESSORY NOTES

1) ALL CASEWORK IS EITHER EXISTING OR IS TO BE DESIGNED, DETAILED, FURNISHED AND INSTALLED BY THE CUSTOMER AND/OR CONTRACTOR. FOLLOW DESIGN RECOMMENDATIONS INCLUDED HEREWITH, AS THEY ARE ESSENTIAL FOR THE SUCCESSFUL INSTALLATION & OPERATION OF THE SIEMENS EQUIPMENT 2) THE SOUND SYSTEM AND INTERCOM BETWEEN THE EXAMINATION AND CONTROL ROOMS ARE TO BE LOCATED, FURNISHED AND INSTALLED

BY THE CUSTOMER/CONTRACTOR. 3) ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.

RESOURCE LIST (SMS USE ONLY)

TREGGGTTGE EIGT	(3///3 332 3//2	''/
DESIGNATION	PG NUMBER	DATE
SOMATOM PERSPECTIVE	C2-068.891.01.13.02	09.22
COMMON CT	CT00-000.891.04.22.02	06.22
COMMON CT OPTIONS	CT00-000.891.03.53.02	01.23

PERSPECTIVE

REV 31

		,	-		SIEMENS
FINISHED R	OOM HEIGHT]			
FOR CT GANTRY ONLY		JSOMAT	OM PER	SPECTIVE	
CAREVISION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET]		TYPICAL FINAL DRAWING	SET
		' 	THIS TITLE BLOCK WITHOUT	PROJECT #:	SHEET:
			SIEMENS AUTHORIZATION WILL	1202	

ATTENTION:

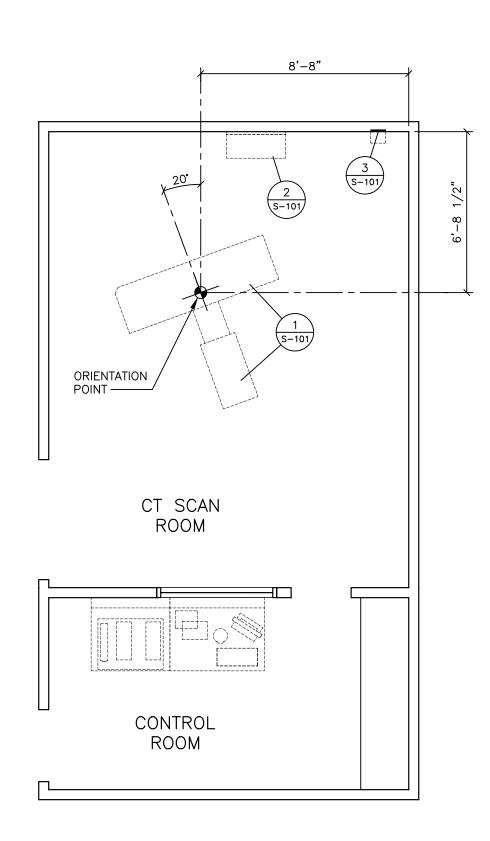
- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

RESULT IN PROSECUTION UNDER YPICAL REV 3 N/A FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION SCALE: AS NOTED REF. #: -ISSUE BLOCK-

12033 .. BACH



STRUCTURAL FLOOR PLAN

ATTENTION:

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

FLOOR SURFACE REQUIREMENTS THE CONCRETE FLOOR MUST BE THE GANTRY AND PATIENT THE GANTRY AND PATIENT TABLE MUST BE INSTALLED ON LEVEL WITHIN 3/8" MAXIMUM TABLE ARE SUPPLIED AND THE SAME PLANE. IT IS THE CUSTOMER'S RESPONSIBILITY DEVIATION IN THE AREA AROUND INSTALLED BY SIEMENS. TO MEET FLOOR LEVELNESS SPECIFICATIONS AS OUTLINED THE BASE OF THE GANTRY AND IN THIS DETAIL. THE GANTRY AND PATIENT TABLE MUST BE THE BASE OF THE PATIENT TABLE. PLACED DIRECTLY ON THE CONCRETE FLOOR. EXISTING FLOOR COVERING IN THE AREA OF THE INSTALLATION SUPPORT SURFACE AND ATTACHMENT POINTS OF THE ORIENTATION GANTRY AND THE ENTIRE FOOTPRINT AREA OF THE PATIENT TABLE BASE MUST BE REMOVED AND REPLACED WITH 2'-4 1/8" 2'-3 15/16" SHIMS OF THE APPROPRIATE THICKNESS. THE GANTRY AND PATIENT TABLE RESTS ON ADJUSTABLE FEET AND ANY LEVELING IS DONE WITH THE ADJUSTABLE FEET. 1'-10 7/16" BOLTING REQUIREMENTS THE WEIGHT CAPACITY OF THE FLOOR MUST BE EVALUATED BY A STRUCTURAL ENGINEER. BOLTING THE GANTRY TO THE FLOOR IS ONLY NECESSARY WHEN LOCAL OR NATIONAL REGULATIONS REQUIRE IT (EXAMPLE: EARTHQUAKE ZONES). BOLT THE GANTRY TO THE FLOOR USING ANCHORS THROUGH THE ADJUSTABLE FEET. MATERIALS FOR BOLTING MUST BE SUPPLIED ON-SITE. THE PATIENT TABLE MUST ALWAYS BE BOLTED TO THE FLOOR THROUGH THE ATTACHMENT POINTS IN THE TABLE PEDESTAL. A DRILLING TEMPLATE AND ALL INSTALLATION MATERIALS ARE INCLUDED IN THE DELIVERY FOR STANDARD ANCHORING. ANCHOR: LIEBIG-SUPER PLUS, UNDERCUT DROP-IN ANCHOR IL S 14/80 (MIN. CONCRETE THICKNESS) 6 5/16") AND HILTI ANCHOR HSL-3-G M10/100 (MIN. CONCRETE THICKNESS 5 1/2"). DRILL AND TOOLS TO BE AVAILABLE ON-SITE. THE MINIMUM EXTRACTION FORCE OF 621 POUNDS PER ATTACHMENT POINT IS REQUIRED. THE FOLLOWING APPROVED CHEMICAL ANCHORS MAY BE USED WHEN STANDARD ANCHORS ARE NOT POSSIBLE. TO 1'-2 9/16' BE SUPPLIED BY THE CUSTOMER/CONTRACTOR: 1. HILTI INJECTABLE ADHESIVE ANCHOR: HIT-RE 500-V3 HARDENING TIME AT TEMP. FROM $68^{\circ}-75^{\circ}-7$ HOURS (1) (4) 9/16"ø HOLES THROUGH THE 2. HILTI INJECTABLE ADHESIVE ANCHOR: HIT-HY 200-A HARDENING TIME AT TEMP. FROM 70°-86° - 30 MIN. ÀDJUSTABLE FEET TO MOUNT THE 3. HILTI INTERNALLY THREADED INSERT: HIS-N M10X110 GANTRY TO THE FLOOR IF USE THIS SIZE WHEN REPLACING AN ANCHOR. REQUIRED, EX. EARTHQUAKE ZONES. MIN. CONCRETE THICKNESS: 6" ② (4) 9/16¢ HOLES THROUGH 4. HILTI INTERNALLY THREADED INSERT: HIS-N M8X90 USED WHEN MOUNTING HOLES HAVE NOT BEEN DRILLED. FLOOR PLATE TO MOUNT THE PATIENT TABLE TO THE FLOOR. MIN. CONCRETE THICKNESS: 4 3/4". (3) (4) 9/16¢ ALTERNATE MOUNTING IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER TO DETERMINE THE ANCHORING DEPTH AND CONCRETE STRENGTH NEEDED TO INSTALL THE TABLE BASE WITH THE MAXIMUM POSSIBLE EXTRACTION FORCE SIEMENS SUPPLIED ANCHORS OR EQUIVALENT ANCHORS AT THESE POINTS IS 2480 POUNDS. SPECIFIED BY THE STRUCTURAL ENGINEER AND SUPPLIED (INCLUDES SAFETY-FACTOR 4). BY THE CUSTOMER/ CONTRACTOR. GANTRY AND PATIENT TABLE MOUNTING DETAIL SCALE: 1/2"=1'-0"

FLOOR AND BUILDING VIBRATIONS CONTINUOUS VIBRATIONS FREQUENCY (Hz) TRANSIENT VIBRATIONS (SHOCKS) ANY TRANSIENT VIBRATION HAS TO BE LESS THAN 0.5 M/S2

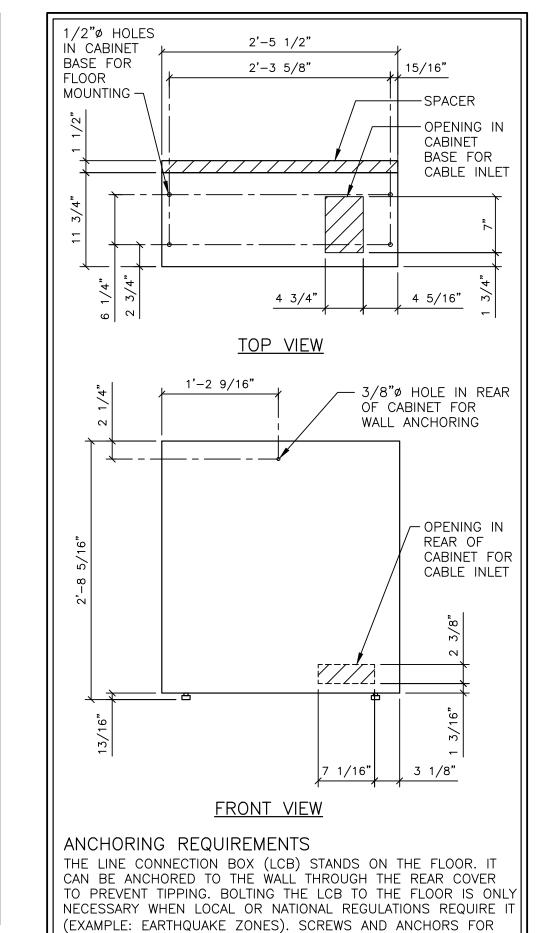
PEAK-TO-PEAK IN THE TIME DOMAIN. THE VIBRATIONS HAVE TO BE

MEASURED WITH A SAMPLING RATE OF 1000Hz.

THE CT SYSTEM IS NOT SENSITIVE TO COMMON VIBRATIONS. IF THE CT IS AWAY FROM VIBRATIONAL SOURCES OR THE CT IS REPLACING A CT SYSTEM, THAT TO DATE, HAS NOT SHOWN IMAGE QUALITY PROBLEMS DUE TO VIBRATIONS, IT IS USUALLY NOT NECESSARY TO EXECUTE VIBRATIONAL MEASUREMENTS. IF THERE ARE ANY DOUBTS. THE FOLLOWING THRESHOLDS HAVE TO BE VERIFIED BY MEASUREMENT: IN THE THREE SPATIAL DIRECTIONS. ACCELERATION IN VIBRATIONS AT THE MOUNTING

POINTS OF THE GANTRY AND THE PATIENT TABLE MUST NOT EXCEED THE THRESHOLDS AS DESCRIBED HERE.

THE THRESHOLD IS DEFINED AS ACCELERATION RMS VALUE (ROOT MEAN SQUARE) IN M/S2 OF AN FFT SPECTRUM DERIVED WITH A FREQUENCY RESOLUTION OF 1 Hz AND USING A HANNING-WINDOW. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz USING AN ANTI-ALIASING-FILTER WITH A LIMIT FREQUENCY OF 250Hz. THE THRESHOLD IS VALID FOR VIBRATIONS AT THE INSTALLATION LOCATION WITH A CT IN POSITION. MEASUREMENTS MUST BE TAKEN PRIOR TO THE INSTALLATION OF THE CT, THEREFORE CHANGES IN THE EIGENFREQUENCY OF THE SLAB CAUSED BY THE ADDITIONAL MASS OF THE CT MUST BE CONSIDERED WHEN COMPARING THE FREQUENCY SPECTRUM WITH THE THRESHOLD.



MOUNTING ARE TO BE SUPPLIED BY THE CUSTOMER/

LCB CABINET DETAIL

FOUR .20"ø

MOUNTING

SLOTS \

- 4 - 4

7 1/2"

FRONT VIEW

PARALLEL SURGE SUPPRESSOR UNIT MUST BE LOCATED WITHIN

EATON SPD

SURGE SUPPRESSOR

1" | |

3 FEET CABLE RUN FROM CIRCUIT BREAKER.

6 11/16"

WEIGHT: 13.5 LBS.

INSTALLED BY THE

IS WALL MOUNTED,

A MINIMUM OF 36"

SUPPRESSOR FOR

IN FRONT OF SURGE

NONE

CONTRACTOR TO

SUPPLY BACKING

AND MOUNTING

5 1/2" HARDWARE. MAINTAIN

SERVICE.

SUPPLIED BY

SIEMENS AND

SURGE SUPPRESSOR,

CUSTOMER/CONTRACTOR

SURGE SUPPRESSOR

CONTRACTOR.

INPUT POWER

(FROM LEFT

SIDE VIEW

SIDE) 7

FLOOR LOADING DESCRIPTION

F STAT MAX STATIC FLOOR LOAD DUE TO GANTRY'S OWN WEIGHT AMPLITUDE DIFFERENCE BETWEEN MINIMUM AND MAXIMUM F DYN FLOOR LOADING DURING GANTRY ROTATION

STRUCTURAL NOTES

) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL

STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE

2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED,

3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE. SQUARE.

4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS

LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH

A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET

BÁSED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A

PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN

THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE

5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS

OTHERWISE REQUIRED. ANY DEVIATION FROM THE PROVIDED MATERIALS

OR MOUNTING METHODS MUST BE DESIGNED AND DOCUMENTED BY THE STRUCTURAL ENGINEER OF RECORD. ALTERNATE MOUNTING MATERIALS

(I.E. ANCHORS, THREADED ROD, BACKING PLATES, ETC.) MUST BE

SUPPLIED BY THE CUSTOMER/CONTRACTOR. SIEMENS MAY REQUIRE

6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN

GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND

FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS

MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE

FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE

8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL

SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY

9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR

THE DESIGN AND DETAIL OF FLOOR, WALL, AND CEILING STRUCTURES IN

10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS

ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL

EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER

SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A

ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE

MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION.

PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS

DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE

COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE

AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS

ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN

7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING

THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT

INSTALLATION OF THE SIEMENS EQUIPMENT.

UTILIZING ALTERNATE MOUNTING MATERIALS.

APPROVED BY SMS PLANNING DEPARTMENT.

SMS CEILING MOUNTED EQUIPMENT.

COVERSTRIPS FOR THE UNISTRUT.

GOVERNING BUILDING CODES.

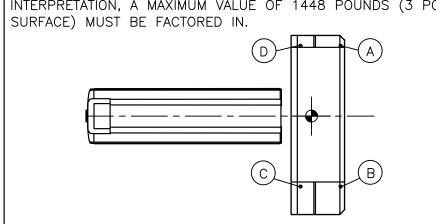
RIGID AND BRACED FOR SWAY.

WITH A TRANSIT

TABLE OF PARAMETERS

GANTRY MEASUREMENT POINTS	F STAT MAX (POUNDS)	AMPLITUDE FOR F DYN (POUNDS)	SUPPORT SURFACE	DIAMETER
A	1448	+/- 57		
В	1448	+/- 57	2 IN ²	 1 3/4 ∥
C	1448	+/- 57		, , ,
D	1448	+/- 57		

NOTE: THE VALUES INDICATED FOR THE FLOOR LOAD ARE ONLY VALID IF THE GANTRY IS LEVELED PROPERLY AND THE WEIGHT IS DISTRIBUTED TO ALL FEET A TO D. FOR A STATIC INTERPRETATION, A MAXIMUM VALUE OF 1448 POUNDS (3 POINT



FINISHED ROOM HEIGHT FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" CAREVISION MONITOR/CEILING MOUNT | SEE DETAIL ON S-102 SHEET

SIEMENS SOMATOM PERSPECTIVE TYPICAL FINAL DRAWING SET THE USE OR REPRODUCTION OF PROJECT #: THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 12033 RESULT IN PROSECUTION UNDER YPICAL REV 3 FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DESCRIPTION DATE . BACH

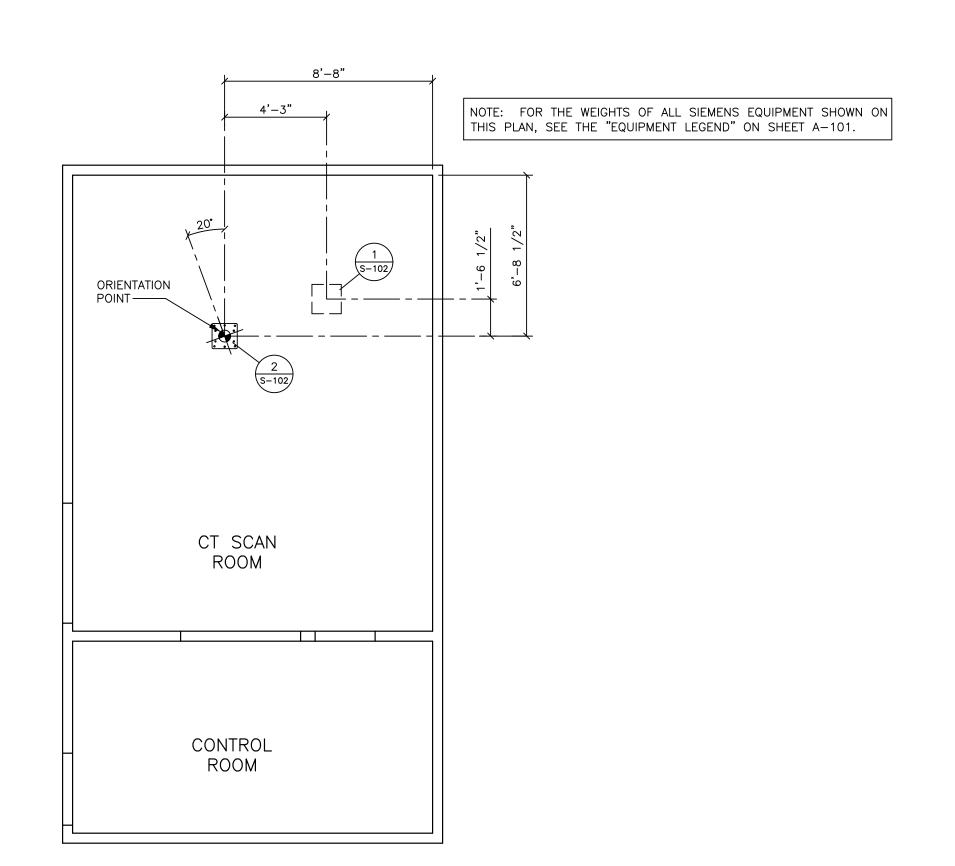
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-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

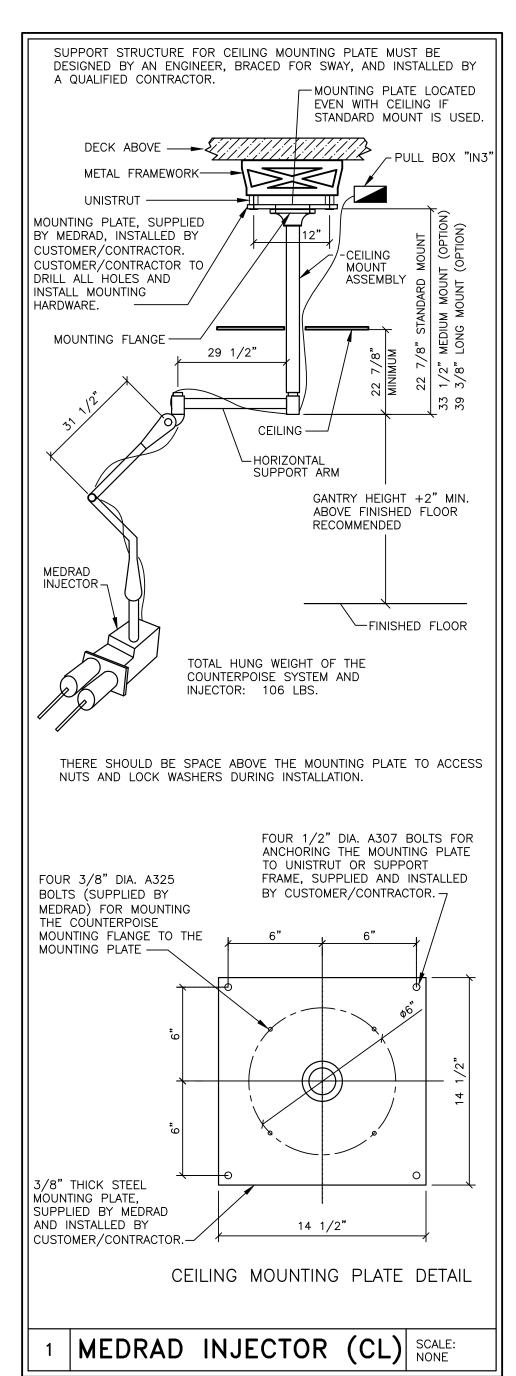
PERSPECTIVE REV 31

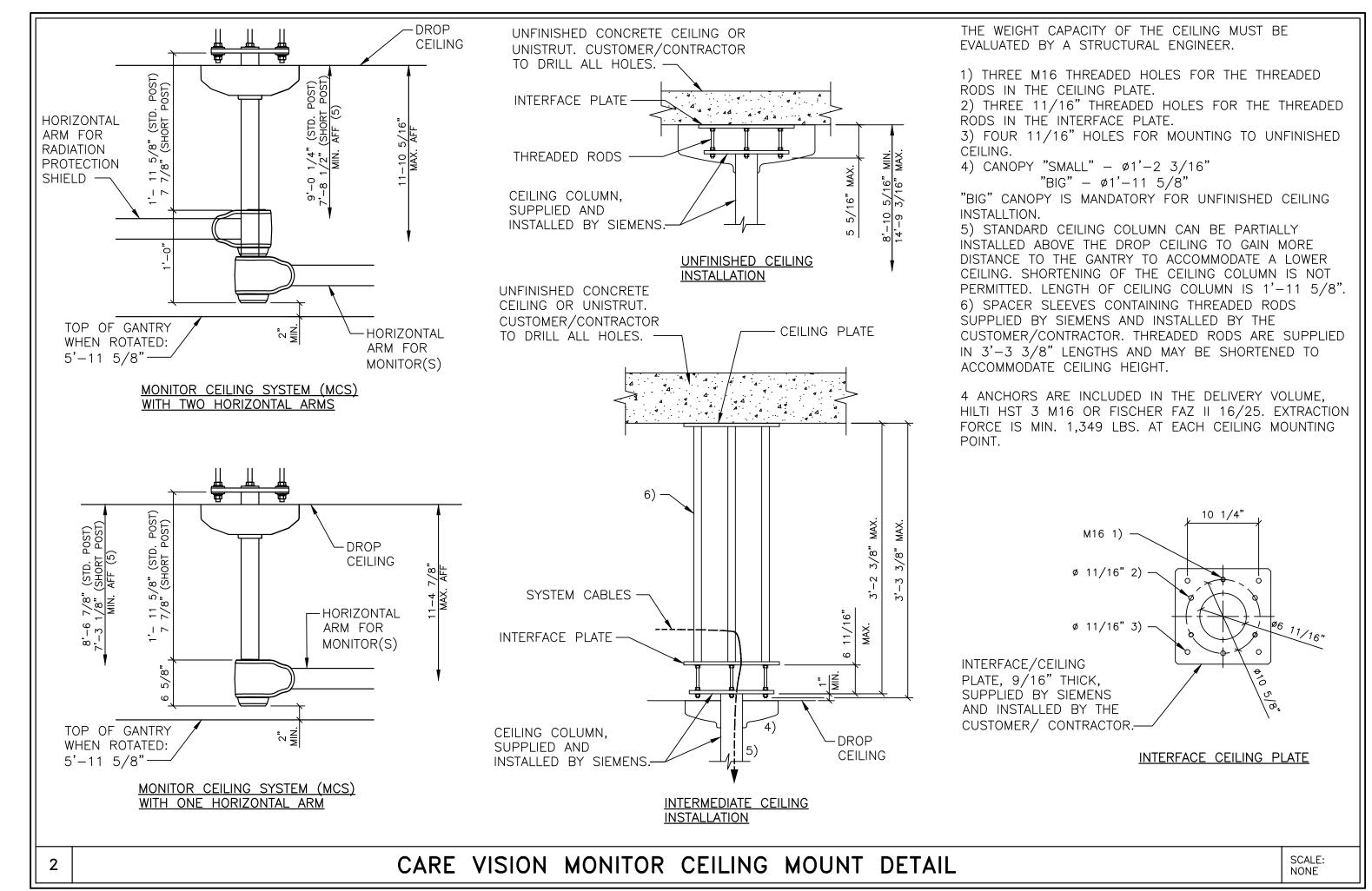
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SCALE: AS NOTED -ISSUE BLOCK-



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





FINISHED ROOM HEIGHT FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" SEE DETAIL ON S-102 SHEET CAREVISION MONITOR/CEILING MOUNT

PERSPECTIVE REV 31 SIEMENS **SOMATOM PERSPECTIVE** TYPICAL FINAL DRAWING SET THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT PROJECT #: SIEMENS AUTHORIZATION WILL 12033 RESULT IN PROSECUTION UNDER YPICAL REV 3 N/A FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION L. BACH SCALE: AS NOTED REF. #: -ISSUE BLOCK-

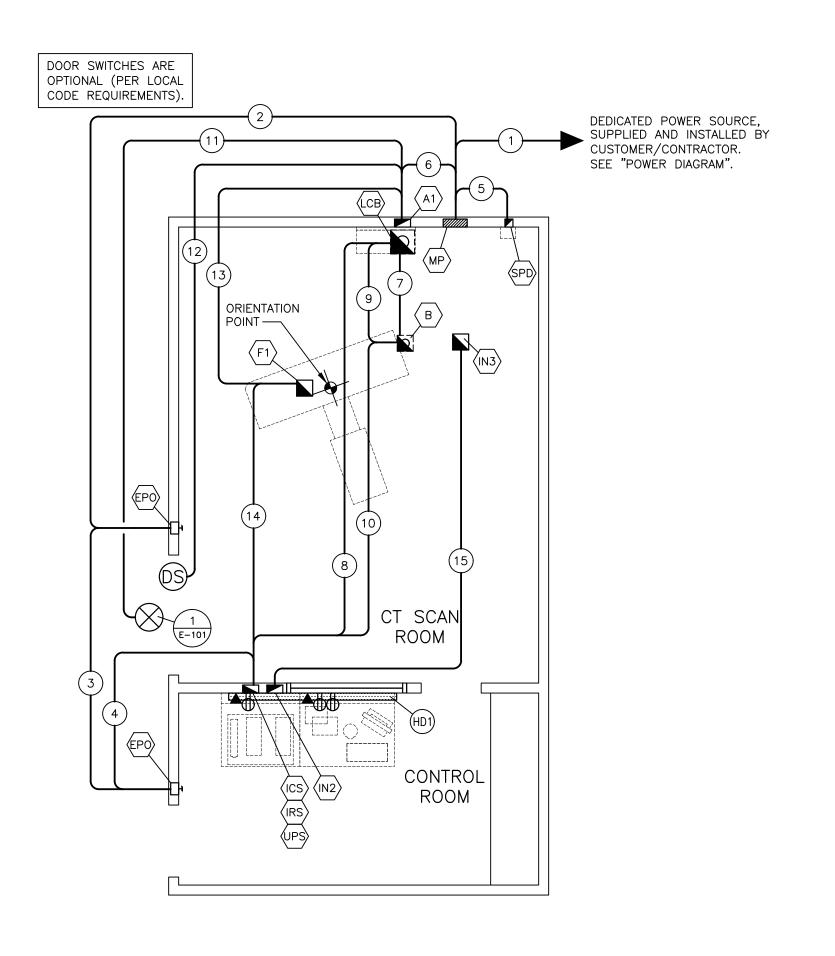
ATTENTION:

STRUCTURAL CEILING PLAN

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ELECTRICAL RACEWAY PLAN

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

SYMBOLS					
	ALL MAY NOT APPLY				
	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR				
	OPENING IN RACEWAY OR TRENCHDUCT				
	PULLBOX IN (FLOOR/WALL/CEILING)				
	OPENING IN ACCESS FLOORING				
\otimes	WARNING LIGHT (X-RAY ON)				
(DS)	DOOR SAFETY SWITCH				
(EPO) EMERGENCY POWER OFF BUTTON					
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ					
EEEEEE CEILING DUCT					
	UNDER FLOOR DUCT				
	SURFACE DUCT				
\boxtimes	VERTICAL DUCT				
>	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER).				
=	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.				
	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET				
——————————————————————————————————————	SPECIAL PURPOSE RECEPTACLE				

1) RELAY WITH A 24 VOLT, AC COIL (NOT TO EXCEED 5 AMPS) SUPPLIED BY ELECTRICAL CONTRACTOR. ALL ITEMS EXTERNAL TO THE SIEMENS CABINET ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR. BY CUSTOMER/CONTRACTOR SIEMEN DISTRICTANCE CABINET LINE CO	4 AWG X. 3 FT. PIGTAILS SUPPLIED 24 VOLTS (FOR DOOR SWITCH ONLY) 4 AWG
X-RAY WARNING LIGHTS AND DOOR SWITCH SCHEMATIC 1 AUXILIARY WIRING	SCALE: NONE

CONDUIT LENGTH CALCULATIONS

IF SITE SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS

IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO RECALCULATE THE MAXIMUM CONDUIT LENGTHS. ASSUMED VALUES USED IN CALCULATING STATED MAXIMUM

CONDUIT LENGTHS: VERTICAL DUCTS - 10'-0" FLOOR PENETRATIONS - 3'-0"

	PO	WER	REQUIR	EMENTS	
SYSTEM		SUPPLY VOLTAGE (VOLTS)	POWER CONSUMPTION (kVA)	SUPPLY IMPEDANCE (mΩ)	CIRCUIT BREAKER(S) (AMPS)

≤ 320

80

POWER CONSUMPTION GANTRY WITH PATIENT TABLE OPERATING FOR 4 SEC. ≤ 70 kVA OPERATING FOR 100 SEC. ≤ 27.9 kVA $STAND-BY \leq 5.2 \text{ kVA}$

BELOW

480/277Y

±10%

GANTRY WITH

PATIENT TABLE

POWER CONSUMPTION IMS (IRS, ICS AND MONITOR) MAXIMUM IN OPERATION ≤ 0.50 kVA $|STAND-BY| \le 0.50 \text{ kVA}$

IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN CT OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDENCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

THE IMAGING SYSTEM IMS (ICS, IRS AND MONITOR) MUST BE CONNECTED VIA THE UPS TO THE LCB (230 VOLT SUPPLIED BY LCB). THE FUSE IS ALREADY INTEGRATED IN THE LCB.

DO NOT CONNECT ANY EXTERNAL USERS TO THE CT POWER

THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.

DESCRIPTION SYM SIZE REMARKS SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR AS REQUIRED PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT FLOOR LINE IN SHOWN LOCATION. ANCILLARY WIRING PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 4" CONDUIT RUNNING THROUGH THE FLOOR GANTRY CABLE ACCESS SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATION. EMERGENCY POWER OFF BUTTON. EXACT LOCATIONS TO BE DETERMINED BY SEE POWER SCHEDULE CUSTOMER/CONTRACTOR. AS REQUIRED PULL BOX MOUNTED ABOVE FINISHED CEILING. CARE VISION MONITOR CEILING MOUNT PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT THE FLOOR LINE IN CONTROL AREA IN IMAGE CONSTRUCTION SYSTEM AS REQUIRED SHOWN LOCATION PROVIDED WITH 3"Ø OPENING IN FINISHED COVER. PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT FLOORLINE. THERE SHOULD ALSO BE AN INJECTOR CONTROL AS REQUIRED ETHERNET CONNECTION AND (2) OUTLETS LOCATED NEAR THE PULL BOX TO SUPPLY 110/220PULL BOX MOUNTED ABOVE FINISHED CEILING FITTED WITH A REMOVABLE COVER. AS REQUIRED SEE DETAIL S-102 IMAGE RECONSTRUCTION SYS. FIXED POINT DESIGNATION, SAME PULL BOX/OPENING AS ICS. PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 5" CONDUIT RUNNING THROUGH THE FLOOR LINE CONNECTION BOX AS REQUIRED SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATION. MAIN PANEL WITH MAIN BREAKER. EXACT LOCATION DETERMINED BY CUSTOMER/CONTRACTOR. SEE POWER SCHEDULE. AS REQUIRED SEE DETAIL S-101 PULL BOX MOUNTED FLUSH WITH FINISHED WALL PROVIDED WITH 2"0 OPENING IN FINISHED COVER. THE SURGE PROTECTIVE DEVICE MUST BE LOCATED WITHIN 3 FEET CABLE RUN FROM CIRCUIT BREAKER, AT HEIGHT DETERMINED BY CUSTOMER/ CONTRACTOR. FIXED POINT DESIGNATION, SAME PULL BOX/OPENING AS ICS. (IPS) ELECTRICAL DUCT RUN HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE RACEWAY 6" x 3-1/2" MOUNTED ON FINISHED WALL AS SHOWN FOR EXCESS CABLE STORAGE. CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL ENGINEER OF RECORD. SEE POWER SCHEDULE AS REQUIRED AS REQUIRED CONDUIT FROM "MP" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD. SEE POWER SCHEDULE SEE POWER SCHEDULE AS REQUIRED CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD. CONDUIT FROM "EPO" TO "UPS" SIZED BY ELECTRICAL ENGINEER OF RECORD. AS REQUIRED SEE POWER SCHEDULE AS REQUIRED CONDUIT FROM "MP" TO "SPD" SIZED BY ELECTRICAL ENGINEER OF RECORD. SEE POWER SCHEDULE SEE POWER SCHEDULE AS REQUIRED CONDUIT FROM "MP" TO "A1" (LCB). AS REQUIRED CONDUIT FROM "LCB" TO "B" SIZED BY ELECTRICAL ENGINEER OF RECORD. SEE POWER SCHEDULE CONDUIT FROM "LCB" TO "UPS". MAX. CONDUIT LENGTH 70'-0" SEE POWER SCHEDULE (9) CONDUIT FROM "LCB" TO "B". MAX. CONDUIT LENGTH 2"ø 65'-6" MAX. CONDUIT LENGTH 3"ø CONDUIT FROM "B" TO "ICS". CONDUIT FROM "A1" (LCB) TO "WARNING LIGHT", SIZED BY ELECTRICAL ENGINEER OF RECORD. AS REQUIRED CONDUIT FROM "A1" (LCB) TO "DS", SIZED BY ELECTRICAL ENGINEER OF RECORD. CONDUIT FROM "A1" (LCB) TO "F1". MAX. CONDUIT LENGTH MAX. CONDUIT LENGTH CONDUIT FROM "ICS" TO "F1". 2-1/2**"**ø 104'-0" MAX. CONDUIT LENGTH 2-1/2**"**ø CONDUIT FROM "IN2" TO "IN3".

ELECTRICAL LEGEND

CONTRACTOR SUPPLIED CABLES							
FROM	VIA	то	DESCRIPTION	REMARKS			
POWER SOURCE	1	MP	PHASE CONDUCTORS, 1 NEUTRAL, 1 GROUND. SIZED BY ELECTRICAL SEE POWER SCHEDULE GINEER OF RECORD.				
MP	2	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE			
EP0	3	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE			
EP0	4	UPS	ERMINED BY ELECTRICAL ENGINEER OF RECORD. SEE POWER SCHEDULE				
MP	5	SPD	PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND. SIZED BY ELECTRICAL SEE POWER SCHI				
MP	6 , A1	LCB	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE			
LCB	7	В	3 PHASE CONDUCTORS AND 1 GROUND. SIZED BY ELECTRICAL CONTRACTOR.; LINE VOLTAGE CABLE:480V	SEE POWER SCHEDULE			
LCB	A1,11	WARNING LIGHT	DETERMINED BY ELECTRICAL CONTRACTOR.				
LCB	A1,12	DS	DETERMINED BY ELECTRICAL CONTRACTOR.				

	SIEMENS SUPPLIED CABLES					
FROM	VIA	ТО	DESCRIPTION	REMARKS		
LCB	8	UPS	POWER AND GROUND CABLES; W10:300V, W11:300V	MAXIMUM LENGTH 76'-1"		
LCB	9	В	5-WIRE CABLE FOR DOOR SWITCH AND WARNING LIGHT; W323:30V	MAXIMUM LENGTH 71'-6"		
В	10	ICS	DATA CABLES; W50:30V, W51:30V, W52:FIBER, COMM1, COMM2	MAXIMUM LENGTH 70'-6"		
LCB	A1,13	F1	POWER CABLE	MAXIMUM LENGTH 68'-0"		
ICS	14	F1	CONTROL CABLE	MAXIMUM LENGTH 104'-0"		
IN2	15	IN3	MEDRAD INJECTOR CABLE	MAXIMUM LENGTH 75'-0"		

DATE

ELECTRICAL NOTES

) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA—70), O.S.H.A. REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF CITY, COUNTY, STATE AND FEDERAL AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE AND NEMA STANDARDS AND ARE U.L. LISTED AND LABELED. THE CUSTOMER'S/CONTRACTOR'S WORK AND ALL EQUIPMENT INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED/ENFORCED BY THE AUTHORITY HAVING JURISDICTION. QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT INTO THE EXISTING STRUCTURE AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION OF EQUIPMENT, OR THE PERFORMANCE OF ANY WORK THAT MAY BE AFFECTED. DO NOT ALTER DRAWINGS, DIMENSIONS, OR SPECIFICATIONS IN ANY WAY WITHOUT CONTACTING AND RECEIVING WRITTEN CONFIRMATION FROM SIEMENS PROJECT MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER. POWER SUPPLY SOURCE: POWER SUPPLIES FOR SIEMENS HEALTHCARE EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE 'WYE' SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED THAT IS KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING. NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR MEDICAL IMAGING PANEL THAT SERVES THE SIEMENS HEALTHCARE EQUIPMENT. F THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT REQUIRED TO ESTABLISH THE POWER SUPPLY IN ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER AND/OR UTILITY COMPANY FIELD REPRESENTATIVE. 4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SÍEMENS HEALTHCARE BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING. RACEWAY AND CONDUIT NOTES: ALL CONDUITS SHALL BE INSTALLED IN

COMPLIANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE. CONDUIT BODIES SHALL NOT BE USED. WHERE A CONDUIT ENTERS A BOX, FITTING, OR OTHER ENCLOSURE, AN INSULATED THROAT CONNECTOR

SHALL BE PROVIDED TO PROTECT THE WIRE FROM ABRASION. ALL CONNECTORS FOR EMT SHALL BE COMPRESSION OR DOUBLE SET SCREW KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES OR STEAM AND HOT WATER PIPES. INSTALL RACEWAY RUNS ABOVE WATER AND STEAM PIPES PROVIDED THAT CABLE RUN DISTANCES ARE MAINTAINED. USE TEMPORARY CLOSURES TO PREVENT FOREIGN MATTER FROM

ENTERING RACEWAY. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE CONSIDERING THE BUILDING CONSTRUCTION AND OBSTRUCTIONS, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS HEALTHCARE CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS. LISTED CONDUIT SIZES FOR SIEMENS-SUPPLIED CABLES MUST BE MAINTAINED IN ORDER TO ENABLE THE TOTAL CABLE BUNDLE INCLUDING CONNECTORS TO BE PULLED THROUGH WITHOUT DAMAGE.

PROVIDE ENCLOSED METAL WIRE DUCT RACEWAY SYSTEM WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT INTO TWO OR THREE SEPARATE COMPARTMENTS AS SHOWN ON THE SIEMENS PLANS (FOR POWER AND SIEMENS HEALTHCARE CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM CERTIFICATION OF THE EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS. UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF

PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE AND BUILDING STRCTURE. THOSE THAT ARE NOT INDICATED OR INTERFER WITH BUILDING ELEMENTS SHALL BE COORDINATED WITH SIEMENS PROJECT MANAGER. ELECTRICAL PULL BOXES AND RACEWAY COVERS SHALL BE INSTALLED IN A MANNER TO ALLOW ACCESSIBILITY FOR INSTALLATION AND MAINTENANCE. CONTRACTORS MUST PROVIDE PULL STRINGS FOR ALL CONDUIT AND WIRE DUCT/RACEWAY. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED

SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED ABOVE A HARD CEILING (I.E. SHEET ROCK), A 24" x 24" ACCESS PANEL IS REQUIRED AT EACH JUNCTION BOX AND WITHIN 2 FEET OF EACH RACEWAY TRANSITION (SUCH AS A 90 DEGREE ELBOW OR TEE) IN DUCT/RACEWAY. THERE MUST BE FREE AND CLEAR ACCESS TO JUNCTION BOXES AND WIRE DUCT/RACEWAY. WHEN ACCESS PANELS ARE LOCATED MORE THAN 3 FEET FROM JUNCTION BOXES AND WIRE DUCT/RACEWAY THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TÓ HELP SIEMENS INSTALLERS PULL SIEMENS SUPPLIED

HIGHER THAN 14 FEET ABOVE FINISHED FLOOR. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL

CABLES AT CUSTOMER'S EXPENSE. 6) WIRING: ALL WIRING INSTALLED SHALL BE 600 VOLT CLASS, STRANDED TYPE THHN/THWN-2, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 90° C (194° F), SIZED AS INDICATED, INSTALLED IN METAL RACEWAYS. THE CUSTOMER/CONTRACTOR SHALL LEAVE A MINIMUM 10 FEET OF WIRE TAILS AT ALL OUTLÉT POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE

CUSTOMER/ELECTRICAL CONTRACTOR. 7) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN THE SHORT CIRCUIT AVAILABLE AT THE TERMINALS OF THE ELECTRICAL EQUIPMENT AS DETERMINED BY THE ENGINEER OF RECORD, BUT NOT LESS THAN 35,000A RMS SYMMETRICAL AT 480V, 3-PHASE, 60 HERTZ. THE CONTRACTOR SHALL OBTAIN THE CORRECT SHORT CIRCUIT CURRENT RATING OF ALL THE NEW EQUIPMENT FOR INSTALLATION FROM THE ENGINEER OF RECORD.

POWER QUALITY

POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IT IS IN THE CUSTOMER'S INTEREST THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE EQUIPMENT POWER SUPPLY COMPLIES WITH THE SIEMENS SPECIFICATIONS.

PERSPECTIVE

REV 31

OM LIFICUT					SIEMENS	
OM HEIGHT MINIMUM 7'-6 9/16" SEE DETAIL ON S-102 SHEET			SOMATOM PERSPECTIV			
	△ N,	/A TYPICAL REV 3	THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.	PROJECT #: 12033	SHEET:	

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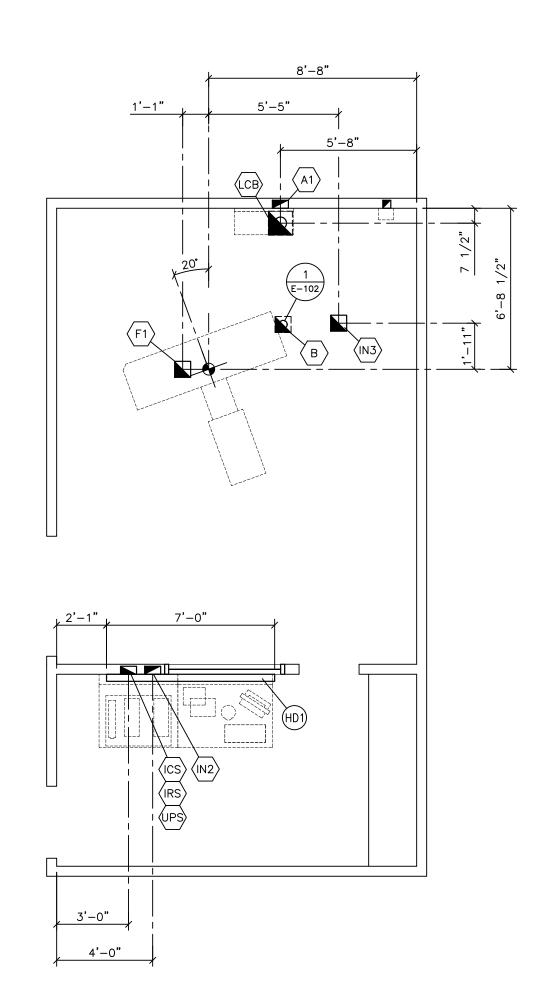
FINISHED ROC

FOR CT GANTRY ONLY

CAREVISION MONITOR/CEILING MOUNT

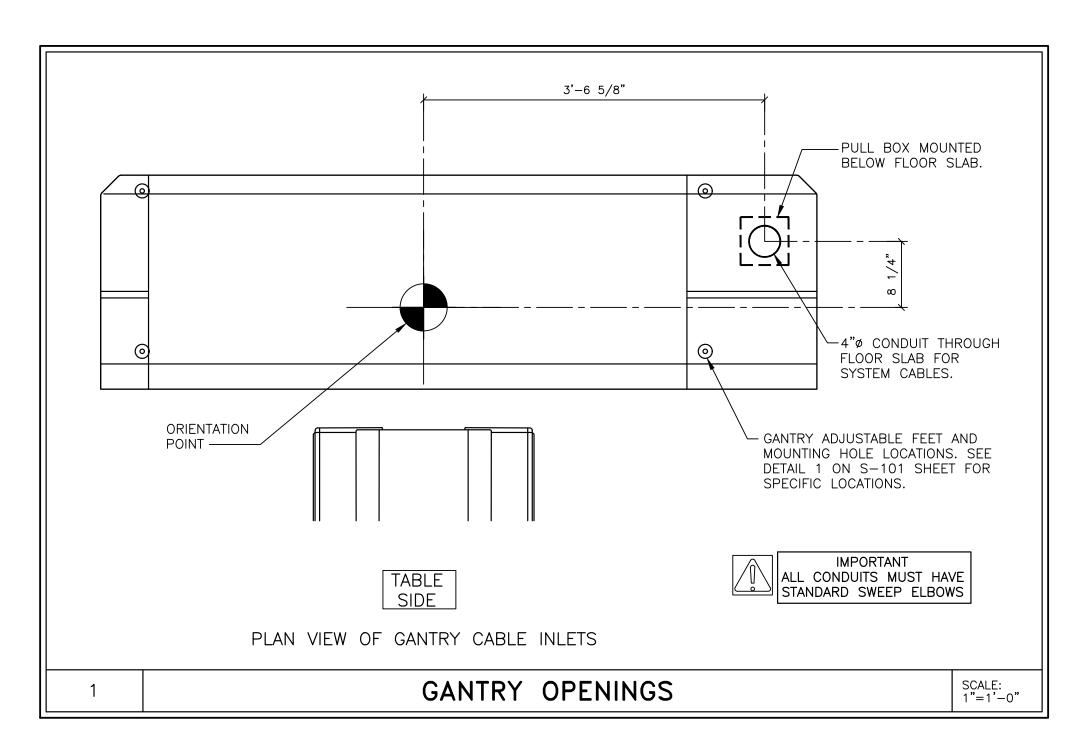
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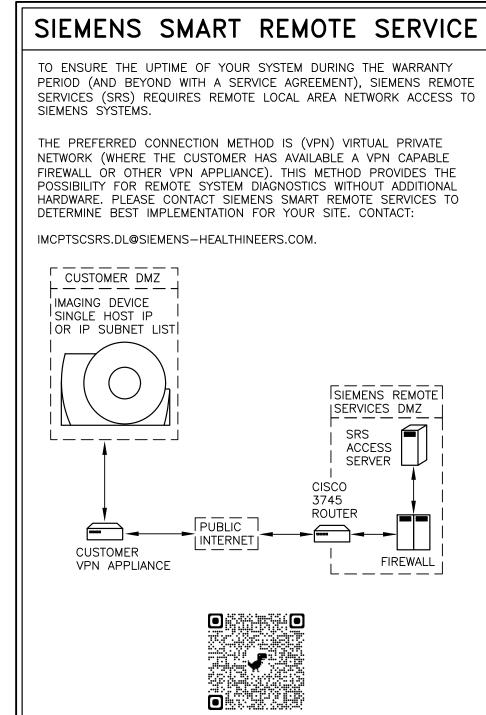
_. BACH



ELECTRICAL DIMENSION PLAN

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





GROUNDING NOTES

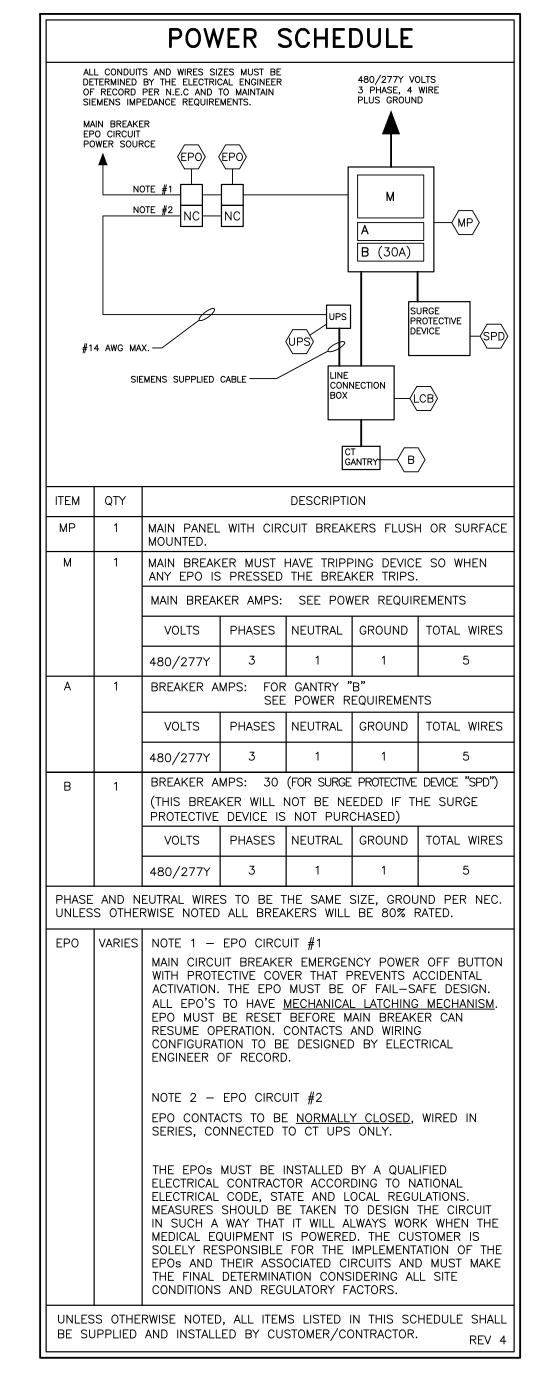
EQUIPMENT GROUNDING CONDUCTOR TO COMPLY WITH THE FOLLOWING:

1) SIZE GROUNDING WIRE TO SIEMENS EQUIPMENT PER POWER SCHEDULE REQUIREMENTS. 2) DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS EQUIPMENT.

3) RUN IN THE SAME CONDUIT, TROUGH OR RACEWAY AS THE

PHASE CONDUCTORS. 4) CONTINUOUS, WITH NO BREAKS OR USE OF CONDUIT, CHASSIS OR EARTH AS THE SOLE GROUNDING PATH. 5) BONDED TO CHASSIS AND/OR CONDUIT IN ACCORDANCE WITH THE NEC REQUIREMENTS.

6) MINIMIZE CONNECTIONS OR TERMINALS TO ENSURE CONTINUITY OVER THE LIFE OF THE INSTALLATION. 7) AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS ACCEPTABLE TO HAVE <500mA DURING OPERATION OF THE IMAGING EQUIPMENT.



CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED IN CABLE DUCTS OR CABLE CONDUITS.

FINISHED ROOM HEIGHT FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" CAREVISION MONITOR/CEILING MOUNT | SEE DETAIL ON S-102 SHEET

PERSPECTIVE REV 31 SIEMENS 1 **SOMATOM PERSPECTIVE** TYPICAL FINAL DRAWING SET THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT PROJECT #: SIEMENS AUTHORIZATION WILL 12033 RESULT IN PROSECUTION UNDER YPICAL REV 3 N/A FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION L. BACH

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SCALE: AS NOTED REF. #: -ISSUE BLOCK-