

ARCHITECTURAL EQUIPMENT PLAN

ROOM MEASUREMENTS

ALL ROOM MEASUREMENTS AND ROOM DETAIL SPECIFICATIONS MUST BE VERIFIED ON SITE PRIOR TO BEGINNING ANY CONSTRUCTION WORK.

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

ENVIRONMENTAL/POWER AUDIT

AS AN INDICATION OF OUR COMMITMENT TO QUALITY, SIEMENS MAY, AT NO COST TO YOUR FACILITY, CHECK THE OPERATING ENVIRONMENT AFTER SYSTEM TURNOVER TO DETERMINE IF THE REQUIREMENTS FOR TEMPERATURE, HUMIDITY, POWER, AND GROUNDING ARE MET AS PER SIEMENS' PUBLISHED SPECIFICATIONS. SIEMENS WILL GENERATE A WRITTEN REPORT DETAILING THE ENVIRONMENTAL AND ELECTRICAL CONDITION OF THE SITE AFTER TURNOVER AND WILL SHARE THE REPORT WITH YOU. IN THE EVENT WE IDENTIFY ANY ENVIRONMENTAL/POWER DEFICIENCIES AT THE SITE, YOUR FACILITY WILL BE REQUESTED TO CORRECT DEFICIENCIES WITHIN THIRTY (30) DAYS. SHOULD ANY CORRECTIVE ACTIONS BE NECESSARY, AND UPON REQUEST SIEMENS WILL PROVIDE GUIDANCE IN AN EFFORT TO FACILITATE RESOLUTION. PLEASE BE ADVISED THAT AFTER 30 DAYS NOTICE ANY REPAIR OR MAINTENANCE SERVICES NECESSITATED BY SEVERE DEFICIENCIES WILL FALL OUTSIDE YOUR WARRANTY COVERAGE.

EQUIPMENT LEGEND								
NO	DESCRIPTION	SMS	WEIGHT	BTU/HR	DIMENSIONS (INCHES)			REMARKS
		SYM	(LBS)	TO AIR	W	D	Н	
1	OPERATING CONSOLE W/KEYBOARD AND CONTROL BOX	\bigcirc	154		54 1/4	31 1/2	28-43 1/4	
2	19" FLAT SCREEN DUAL CONTROL MONITORS	\Box	40	512				ON CONSOLE/COUNTER
(3)	POWER CONNECTION TERMINAL - ICS	(PT)						WALL MOUNTED
4	DVI SPLITTER - ICS	\bigcirc			15 3/4	3 15/16	11 13/16	MOUNTED ON THE CONSOLE/CONTAINER
(5)	SYNGO ACQUISITION WORKPLACE	(CS)	<55	1,707	7 5/16	19	17	OFF FLOOR/IN CONTAINER
6	CONTAINER FOR ICS/IES	\bigcirc	77		31 1/2	31 1/2	29 1/4	HOUSING FOR ICS/IES
7	SOMATOM FORCE GANTRY	B	5,842	3,412*	94 1/2	47 1/2	78 3/8	*ADDITIONAL HEAT DISSIPATED TO WATER
8	PATIENT TABLE	\Box	1,102	*	30 7/16	100 3/8	40 3/16	*INCLUDED IN THE GANTRY BTU FIGURE
@	POWER DISTRIBUTION CABINET	®	2,425	11,950	47 1/4	29 1/2	75 3/16	UPS LOCATED INSIDE OF PDC
(5)	IMAGE RECONSTRUCTION SYSTEM	(RS)	88	4,780	12 1/4	30 5/16	19 5/8	
(<u>1</u>	HEAT EXCHANGER CABINET - WATER/AIR SPLIT	<u>(S)</u>	910	3,412	39 3/8	27 1/4	77	
12	OUTDOOR UNIT - WATER/AIR SPLIT	<u>\$2</u>	397	119,425	95 1/2	43 1/4	40 3/16	
(15)	EATON SURGE PROTECTIVE DEVICE PANEL	₹₽₽	13.5		7 1/2	6 11/16	12	WALL MOUNTED
16	EMPOWER REMOTE CONTROL CONSOLE	(N1)	10		13	4	11	SEE MFG REQUIREMENTS
17)	EMPOWER POWER SUPPLY	(N2)	5		6	12 1/4	4	SEE MFG REQUIREMENTS
(18)	EMPOWER CEILING MOUNTED INJECTOR	(N3)	75					SEE MFG REQUIREMENTS

TRANSPORT AND DELIVERY NOTES TOTAL GANTRY TRANSPORT WEIGHT: 6,448 LBS. GANTRY WITHOUT TRANSPORT DEVICE: 5,842 LBS. TRANSPORT DEVICE: NORMAL TRANSPORT REQUIREMENTS: NARROW SPACE TRANSPORT REQUIREMENTS: DURING THE MOVEMENT OF THE GANTRY THROUGH WHEN TRANSPORTING THE GANTRY THROUGH A NARROW CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT SPACE OR DOORWAY, THE TRANSPORT CASTERS ARE FOR STABILITY AS SHOWN BELOW. THE MAXIMUM WIDTH IS SWIVELED IN AS SHOWN BELOW. THE MAXIMUM WIDTH IS 5'-1 9/16" AND THE MAX. LENGTH IS 8'-4 1/4" WHEN 3'-10 7/16" AND MAXIMUM LENGTH 10'-8 9/16". CASTERS ARE SWIVELED OUT. 4'-0 7/16" 3'-10 7/16"

PLANNING REQUIREMENTS

EMERGENCY POWER OFF (EPO) BUTTONS REQUIRED IN CONTROL AREA. EXAMINATION ROOM AND EQUIPMENT AREA.

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

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.

NOISE LEV	/EL
SYSTEM COMPONENT	DECIBEL LEVEL (AT 3'-3" DISTANCE)
GANTRY	<70
PATIENT TABLE	<64
PDC CABINET	≤55
IRS TOWER	≤55
HEAT EXCHANGER — WATER/AIR SPLIT	<60

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

ARCHITECTURAL NOTES

1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS

MEDICAL SOLUTIONS, INC. (SMS HEREAFTER) ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICEABILITY OF THE EQUIPMENT BEING PROPOSED. SMS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTERES OF BOTH THE CUSTOMER AND SMS. ALL EQUIPMENT LAYOUTS ARE BASED EITHER ON AN ACTUAL SITE LOCATION SURVEY OR ARCHITECTURAL DRAWINGS SUPPLIED TO SMS. SMS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENCROACH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (IE. 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 SMS PROJECT MANAGER.

2) SMS IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. DRAWINGS SUPPLIED BY SMS 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. 3) THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA

PREPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND INSPECTION FEES. 4) EQUIPMENT WARRANTIES, EXPRESSED OR IMPLIED ON THE PART OF SMS 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 TAKEN FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE. 6) THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING

RÉQUIREMENTS 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) SMS SHALL BE RESPONSIBLE FOR SMS EQUIPMENT INSTALLATION AND CALIBRATION, CONNECTION AND INSTALLATION OF SMS PROVIDED CABLES. AND CONNECTION OF CONTRACTOR PROVIDED WIRES TO SMS 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 JOB SUPERVISION TO BE PROVIDED BY SMS. 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 VERIFY WITH SMS PROJECT MANAGER FINAL INSTALLATION DRAWINGS THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (IE: O.R. LIGHTS, MEDICAL GAS COLUMNS, PHYSIOLOGICAL MONITORING INJECTORS, CRT PLATFORMS, SPRINKLER HEADS, SMOKE DETECTORS, ELECTRICAL OUTLETS, HVAC GRILLES, SPEAKERS, AND GENERAL ROOM

9) THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FÓR 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 SMS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS.

SITE READINESS GUIDELINES

THE FOLLOWING GENERAL CONDITIONS ARE NECESSARY TO HAVE THE STATUS OF "READY SITE":

PROPER POWER AVAILABLE AT SIEMENS EQUIPMENT POWER CABINET LOCATION AND ALL POWER OUTLETS FUNCTIONING. AIR CONDITIONING/HUMIDIFICATION SYSTEMS COMPLETE, TESTED, AND FUNCTIONING PROPERLY ACCORDING TO SIEMENS SPECIFICATIONS.

PROPER LIGHTING INSTALLED AND FUNCTIONING. 4) PLUMBING COMPLETE EXCEPT FOR ANY FINAL CONNECTIONS

TO SIEMENS EQUIPMENT. ALL CABLE TRAYS/DUCTS/CONDUITS CORRECTLY SIZED, LOCATED,

AND INSTALLED ACCORDING TO THE SIEMENS DRAWINGS. ALL REINFORCEMENT PLATES/UNISTRUT INSTALLED AS REQUIRED. ROOM FOR EQUIPMENT INSTALLATION AND IMMEDIATE VICINITY IS

DUST-FREE AND IS TO REMAIN SO FOR THE DURATION OF THE 8) A SECURE AREA (APPROXIMATELY 10' x 10') IS AVAILABLE AT

EQUIPMENT DELIVÈRY FOR PARTS AND INSTALLATION TOOLS. 9) CUSTOMER SUPPLIED CAMERAS AND PROCESSORS INSTALLED.

0) CUSTOMER APPROVAL FOR SIEMENS REMOTE SERVICES (SRS) CONNECTION, AND CUSTOMER'S I.T. CONTACT INFORMATION AND IP ADDRESSES ESTABLISHED.

) WALLS TO BE PRIMED AND PAINTED, FLOORS TO BE TILED EXCEPT IN AREAS OF THE EQUIPMENT BASE PLATES.

THESE CONDITIONS ARE NOT MET, THE SIEMENS PROJECT MANAGER AND THE DESIGNATED SIEMENS INSTALLATION SUPERVISOR SHALL RESCHEDULE THE INSTALLATION START DATE. NOTE: ADDITIONAL COST MAY BE INCURRED BY THE CUSTOMER/CONTRACTOR AND DELIVERY DATES MAY NEED TO BE RESCHEDULED, WHEN THE SIEMENS SITE READINESS GUIDELINES ARE NOT MET.

RESOURCE LIST	(SMS USE ONL	Y)
DESIGNATION	PG NUMBER	DATE
SOMATOM FORCE	C2-058.891.01.04.02	10.14

CT00-000.891.04.03.02 COMMON OPTIONS CT CT00-000.891.03.24.02

FORC REV 2

FINISHED	ROOM	HEIGHT

FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" CAREVISION MONITOR/CEILING MOUNT | MIN. 9'-2 5/8" MAX. 11'-2 5/8"

- 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.

THE USE OR REPRODUCTION OF TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL R-101RR VERSION DATED 10/10/15 TION UNDER 2/28/15 THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION

-ISSUE BLOCK-

DJECT MANAGER: JIM STANCIL

MAIL: JIM.STANCIL@SIEMENS.COM

(415) 278-1915

SCALE: AS NOTED

1502692

12/28/15

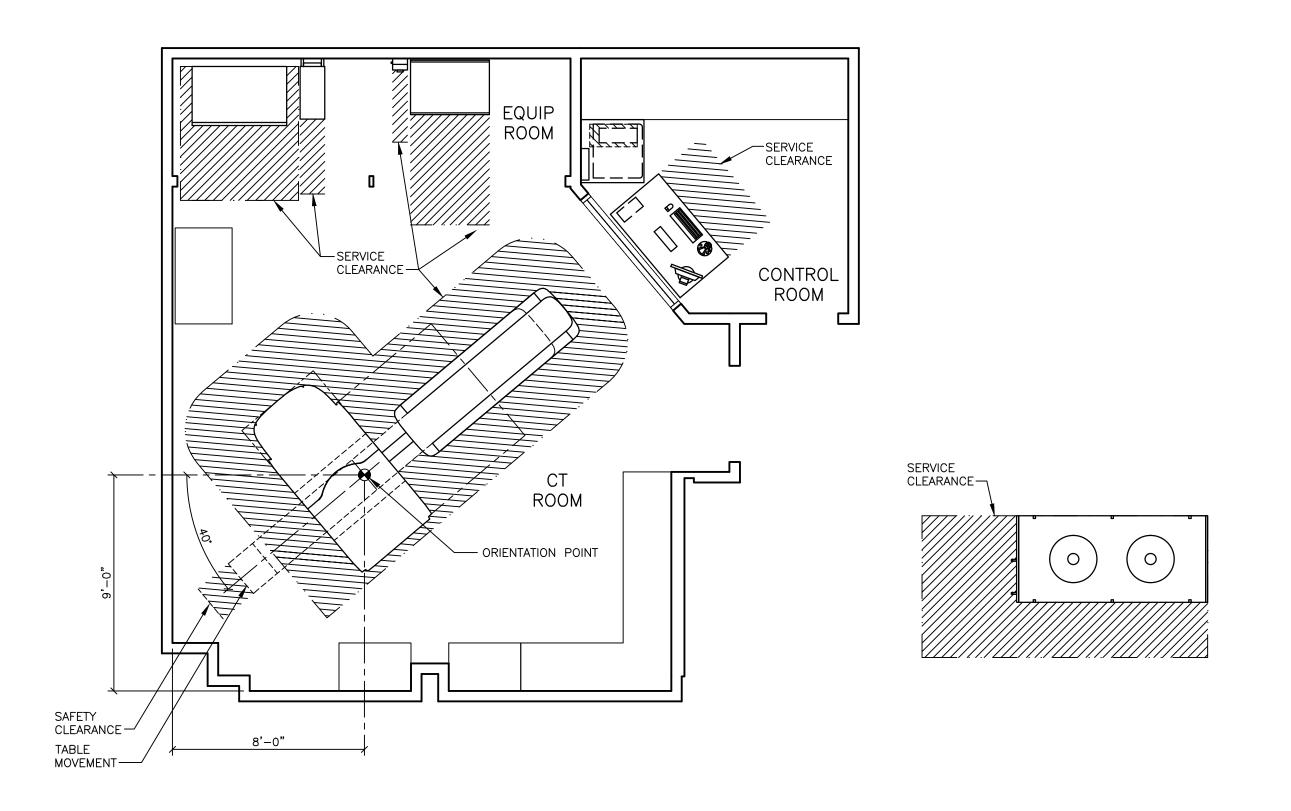
300 PASTEUR DR., STANFORD, CA 94305

CT ROOM - SOMATOM FORCE

SIEMENS

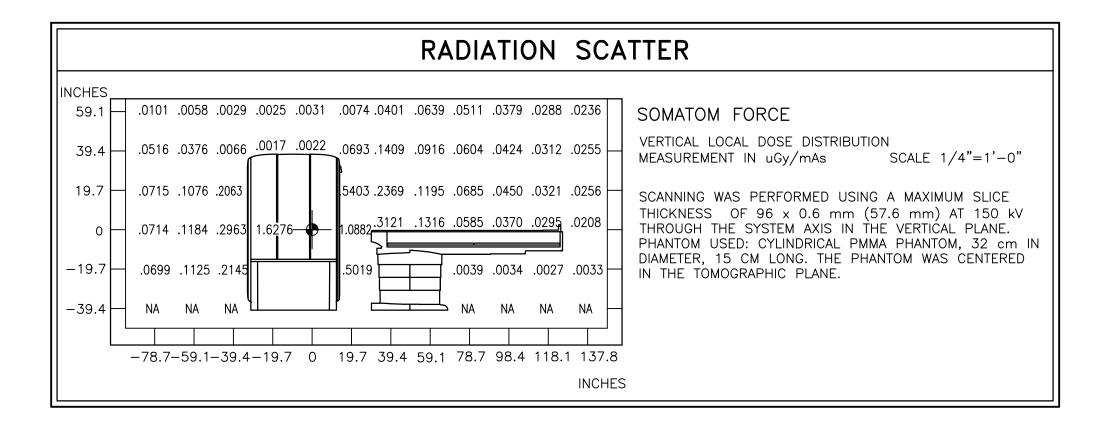
HEALTH CARE

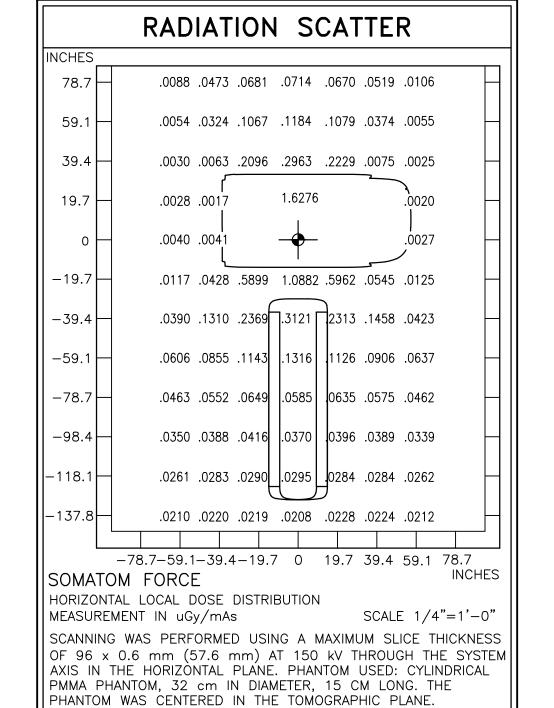
THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.



SAFETY/SERVICE CLEARANCE PLAN

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





SIEMENS REMOTE SERVICES (SRS)

TO ENSURE THE UPTIME OF YOUR SYSTEM DURING THE WARRANTY PERIOD (AND BEYOND WITH A SERVICE AGREEMENT), SIEMENS REMOTE SERVICES (SRS) REQUIRES REMOTE LOCAL AREA NETWORK ACCESS TO SIEMENS SYSTEMS.

SRS REQUIRES ONE OF THE FOLLOWING CONNECTION METHODS:

(PREFERRED) VPN CONNECTION

THE PREFERRED CONNECTION METHOD IS (VPN) VIRTUAL PRIVATE NETWORK (WHERE THE CUSTOMER HAS AVAILABLE A VPN CAPABLE FIREWALL OR OTHER VPN APPLIANCE). THIS METHOD PROVIDES THE POSSIBILITY FOR REMOTE SYSTEM DIAGNOSTICS WITHOUT ADDITIONAL HARDWARE. PLEASE CONTACT SIEMENS REMOTE SERVICES (800-888-SIEM) TO DETERMINE IF THIS METHOD IS SUITABLE FOR

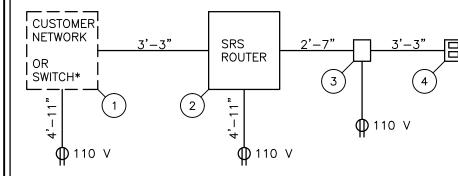
(OPTIONAL) SRS ROUTER CONNECTION

- THE SRS ROUTER IS SUPPLIED BY SIEMENS AND INSTALLED AT THE CUSTOMER'S SITE, WHILE STILL REMAINING THE PROPERTY OF SIEMENS. THE CUSTOMER'S NETWORK ADMINISTRATOR AND SIEMENS REMOTE SERVICES SHALL DETERMINE THE TYPE AND LOCATION OF THE SRS ROUTER REQUIRED.

- THE SRS ROUTER IS CONNECTED TO AN ANALOG MODEM THAT IS SUPPLIED BY SIEMENS, WHICH THEN IN TURN IS CONNECTED TO AN ANALOG PHONE LINE THAT IS SUPPLIED BY THE CUSTOMER. ONE SRS ROUTER ALLOWS REMOTE DIAGNOSTICS TO MULTIPLE MEDICAL SYSTEMS.

- THE SRS ROUTER SHOULD BE INSTALLED IN A SECURE LOCATION (CUSTOMER'S NETWORK COMPUTER ROOM) THAT HAS LIMITED ACCESS. IT CAN BE LOCATED ON A SHELF, TABLE, OR IN A CABINET. THE CONNECTION CABLES (WITH INDICATED LENGTHS BELOW) ARE INCLUDED WITH DELIVERY.

SRS ROUTER CONNECTION DIAGRAM



NOTE: ALL POWER OUTLETS ARE SUPPLIED/INSTALLED BY CUSTOMER.

- (1) ETHERNET SWITCH OR HUB, SUPPLIED BY CUSTOMER
- 2 SRS ROUTER, SUPPLIED BY SIEMENS (SIZE: 11.2"W X 8.7"D X 5.5"H, WEIGHT: 2 LBS.)
- (3) ANALOG MODEM, SUPPLIED BY SIEMENS
- (4) ANALOG PHONE LINE, SUPPLIED BY CUSTOMER

* OPTIONAL SWITCH AND CABLES ARE NOT INCLUDED, BUT CAN

BE ORDERED FROM SIEMENS.

SIEMENS REMOTE SERVICE | SCALE: NONE

SAFETY CLEARANCE NOTE

IF THE SAFETY DISTANCES ARE NOT OBSERVED, SAFETY MEASURES IN ACCORDANCE WITH LOCAL CODES SHOULD BE UTILIZED (FOR EXAMPLE BARRIERS, WARNING SIGNS, AND SAFETY

FORCE REV 2

FINISHED ROOM HEIGHT FOR CT GANTRY ONLY

CAREVISION MONITOR/CEILING MOUNT MIN. 9'-2 5/8" MAX. 11'-2 5/8"

R-101RB VERSION DATED 10/19/ 12/28/15 APPROVED BY CUSTOMER FOR FINALS DATE DESCRIPTION

-ISSUE BLOCK-

300 PASTEUR DR., STANFORD, CA 94305 THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. REF. #: 30187558

SCALE: AS NOTED

ROJECT MANAGER: JIM STANCIL EL: (415) 278-1915

MAIL: JIM.STANCIL@SIEMENS.COM

CT ROOM - SOMATOM FORCE 1502692 J. DRAMIS

12/28/15

SIEMENS

HEALTH CARE

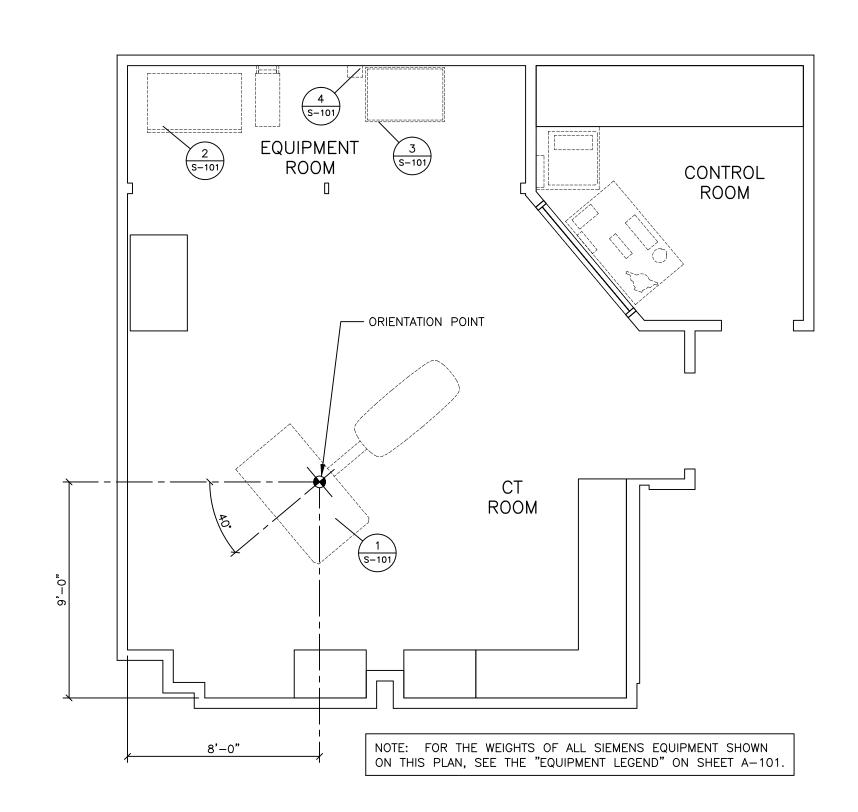
ATTENTION:

- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. 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.

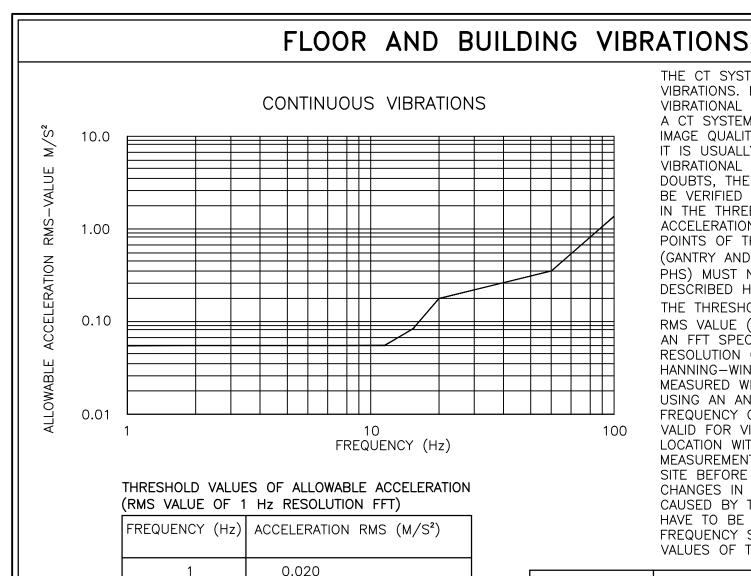
THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST TO SPECIFY RADIATION PROTECTION.

- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.



STRUCTURAL FLOOR PLAN

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



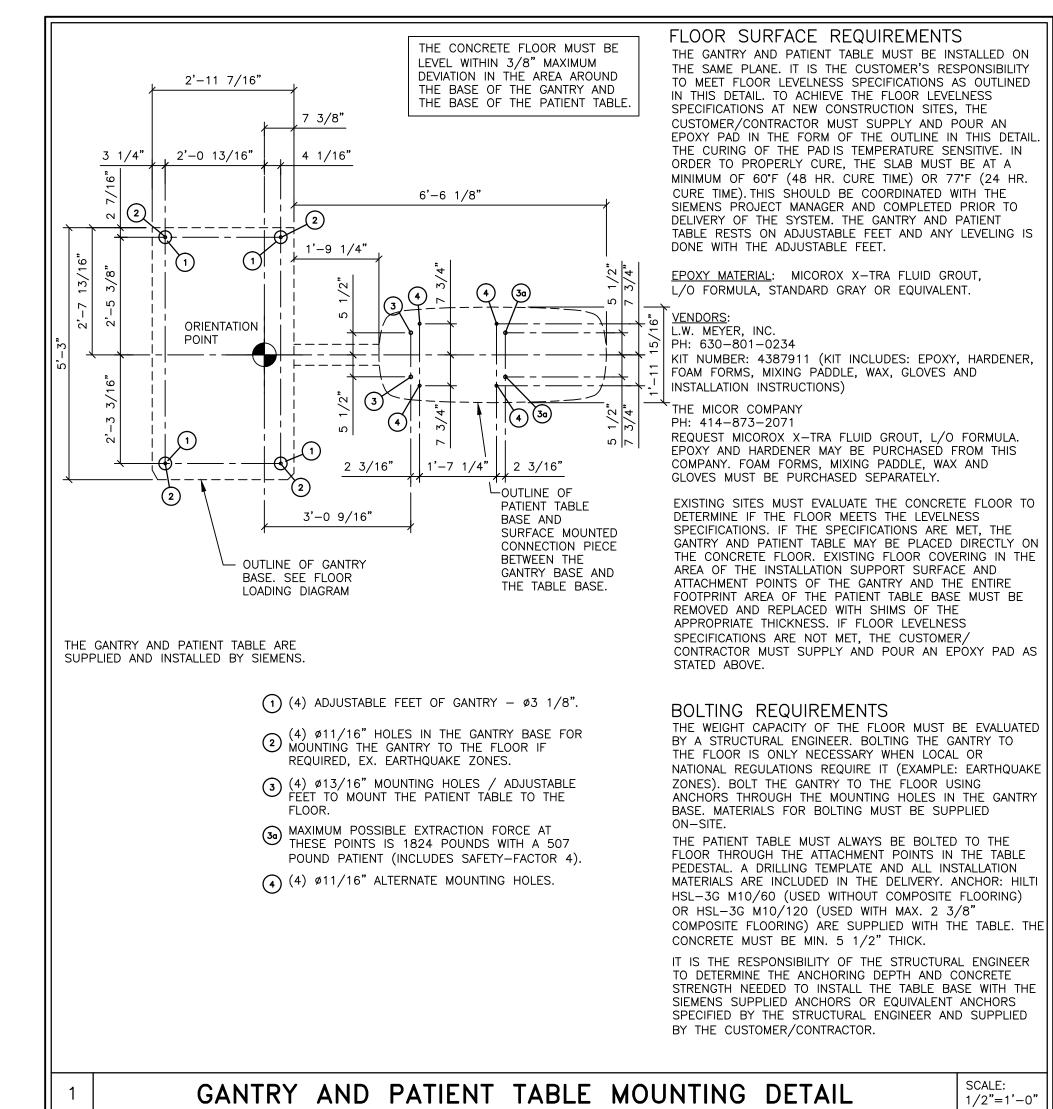
THE CT SYSTEM IS NOT SENSITIVE TO COMMON VIBRATIONS. IF THE CT IS AWAY FROM VIBRATIONAL SOURCES OR THE CT IS REPLACING A CT SYSTEM, THAT TO DATE, HAS NOT SHOWN IMAGE QUALITY PROBLEMS DUE TO VIBRATIONS, IT IS USUALLY NOT NECESSARY TO EXECUTE VIBRATIONAL MEASUREMENTS. IF THERE ARE ANY DOUBTS, THE FOLLOWING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

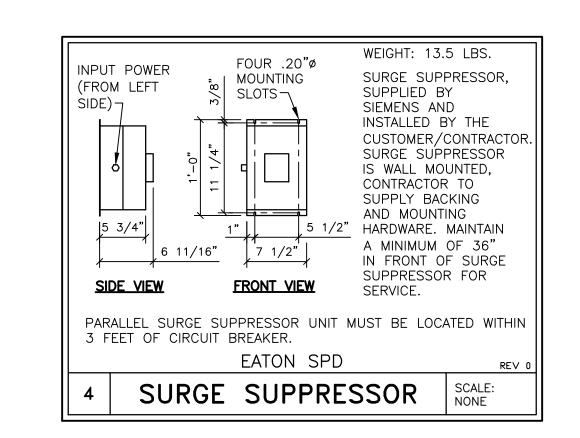
ACCELERATION IN VIBRATIONS AT THE MOUNTING POINTS OF THE COMPUTED TOMOGRAPHY SYSTEM (GANTRY AND THE PATIENT HANDLING SYSTEM PHS) MUST NOT EXCEED THE THRESHOLDS AS DESCRIBED HERE.

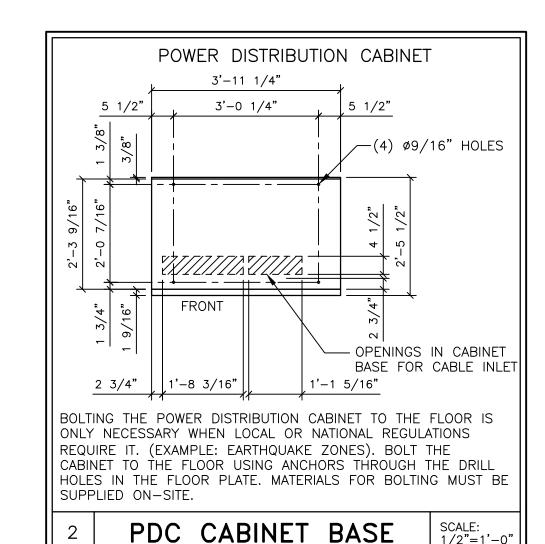
THE THRESHOLD IS DEFINED AS ACCELERATION RMS VALUE (ROOT MEAN SQUARE) IN M/S2 OF AN FFT SPECTRUM DERIVED WITH A FREQUENCY RESOLUTION OF 1 Hz AND USING A HANNING-WINDOW. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz USING AN ANTI-ALIASING-FILTER WITH A LIMIT FREQUENCY OF 250Hz. THE THRESHOLD IS VALID FOR VIBRATIONS AT THE INSTALLATION LOCATION WITH A CT IN POSITION.

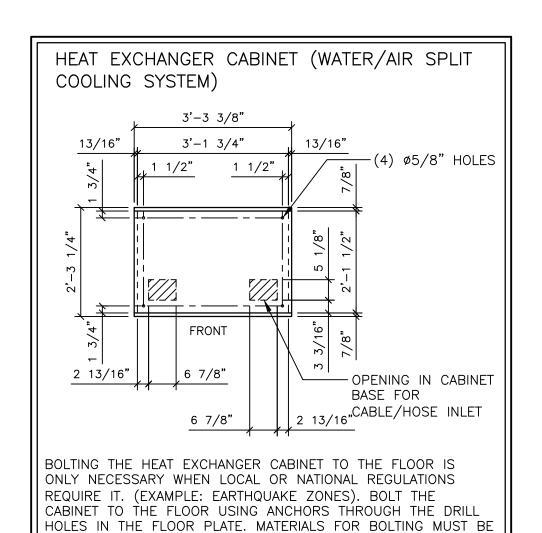
MEASUREMENTS ARE USUALLY TAKEN AT THE SITE BEFORE THE INSTALLATION OF THE CT, CHANGES IN THE EIGENFREQUENCY OF THE SLAB CAUSED BY THE ADDITIONAL MASS OF THE CT HAVE TO BE CONSIDERED WHEN COMPARING THE FREQUENCY SPECTRUM WITH THE THRESHOLD. VALUES OF THE THRESHOLD ARE SHOWN BELOW.

		VALUES OF THE THRE					
1	0.020		ERECLIENCY (Hz)	ACCELERATION RMS (M/S²)			
2	0.022		TINEQUEINOT (112)	ACCELERATION RMS (M/S)			
3	0.024		17	0.053			
4	0.025		18	0.059			
5	0.026		19	0.064			
6	0.027		20	0.070			
7	0.027		25	0.079			
8	0.028		30	0.086			
9	0.029		35	0.093			
10	0.029		40	0.100			
11	0.030		45	0.122			
12	0.030		50	0.146			
13	0.034		55	0.172			
14	0.039		60	0.200			
15	0.043		80	0.300			
16	0.048		100	0.400			
TRANSIENT VII	BRATIONS (SHOCKS)	-					
ANY TRANSIENT VI	BRATION HAS TO BE LESS THAN	0.5 M/	S ² PEAK-TO-PEA	K IN THE TIME DOMAIN. THE			



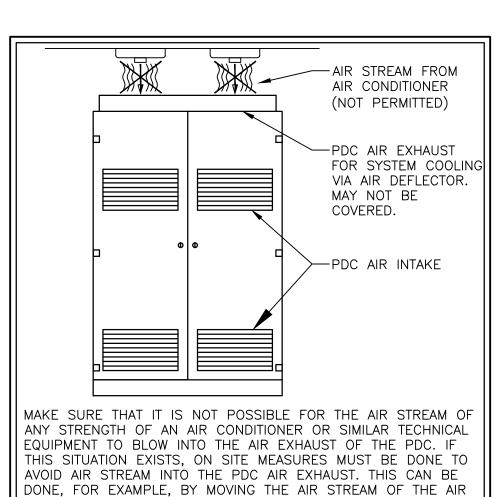






SUPPLIED ON-SITE.

1/2"=1'-0"



CONDITIONER TO ANOTHER DIRECTION.

PDC AIR EXHAUST

HE CABINET BASE

STRUCTURAL NOTES 1) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE

INSTALLATION OF THE SIEMENS EQUIPMENT. 2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED,

RIGID AND BRACED FOR SWAY. 3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE,

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

A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET

4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS 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

THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT

5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS 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 ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN

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

UTILIZING ALTERNATE MOUNTING MATERIALS.

7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.

8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.

9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALL, AND CEILING STRUCTURES IN ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL GOVERNING BUILDING CODES.

FLOOR LOADING DESCRIPTION STATIC FLOOR LOADING DUE TO GANTRY'S OWN STAT MAX DIFFERENCE BETWEEN MINIMUM AND MAXIMUM FLOOR LOADING DURING GANTRY ROTATION MEASUREMENT POINTS **ADJUSTABLE** AMPLITUDE | BEARING AREA F STAT MAX FOR F DYN PER ADJUSTABLE (POUNDS) FOOT (POUNDS) 1393 ±202 1641 ±202 1529 ±225 1281 ±225 TOTAL STATIC LOAD RESULTING IN THE CENTER OF GRAVITY OF THE GANTRY: 5845 F STAT TOTAL (POUNDS) I) THE VALUES PROVIDED FOR FLOOR LOADING APPLY ONLY IF THE GANTRY IS SATISFACTORILY LEVELED.

2) THE FLOOR STRUCTURE MUST BE CAPABLE OF

THE INDIVIDUAL CONTACT AREA LOADING.

WITHSTANDING THE OCCUPIED WEIGHT OF THE GANTRY AND

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" CAREVISION MONITOR/CEILING MOUNT | MIN. 9'-2 5/8" MAX. 11'-2 5/8"

- 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

FORCE REV 2 DJECT MANAGER: JIM STANCIL **SIEMENS** (415) 278-1915 MAIL: JIM.STANCIL@SIEMENS.COM HEALTH CARE 300 PASTEUR DR., STANFORD, CA 94305 CT ROOM - SOMATOM FORCE THE USE OR REPRODUCTION OF PROJECT #: THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 1502692 R-101RB VERSION DATED 10/19/ RESULT IN PROSECUTION UNDER 2/28/15 APPROVED BY CUSTOMER FOR FINAL FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION J. DRAMIS CALE: AS NOTED REF. #: 30187558 -ISSUE BLOCK-12/28/15

SCALE: 1/2"=1'-0

ATTENTION:

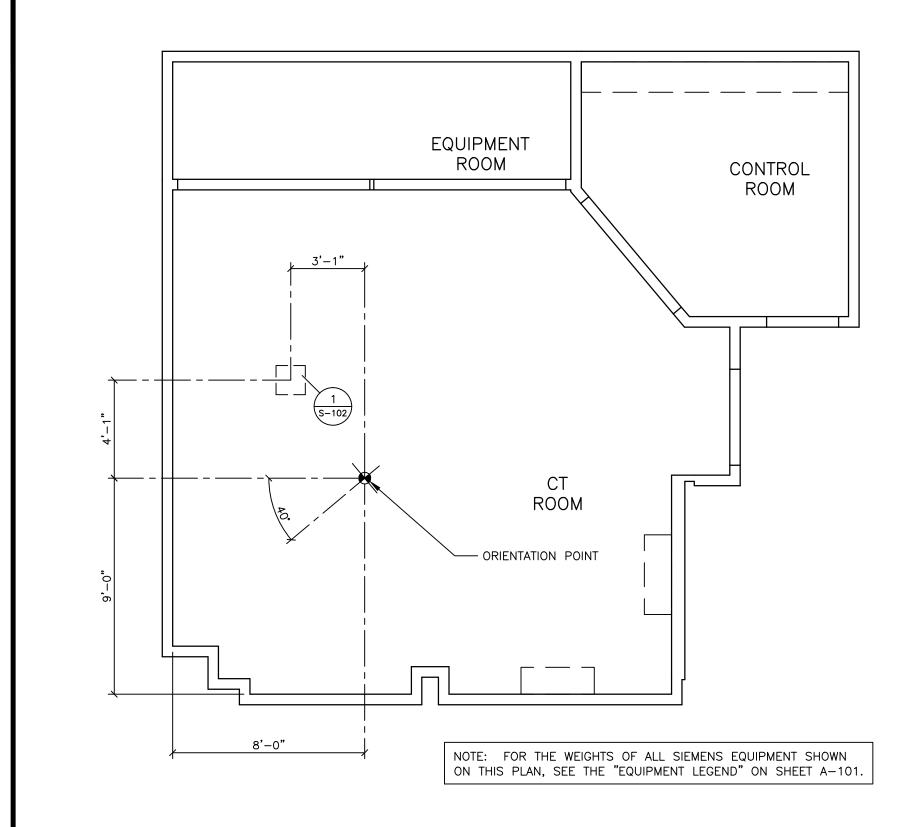
VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz.

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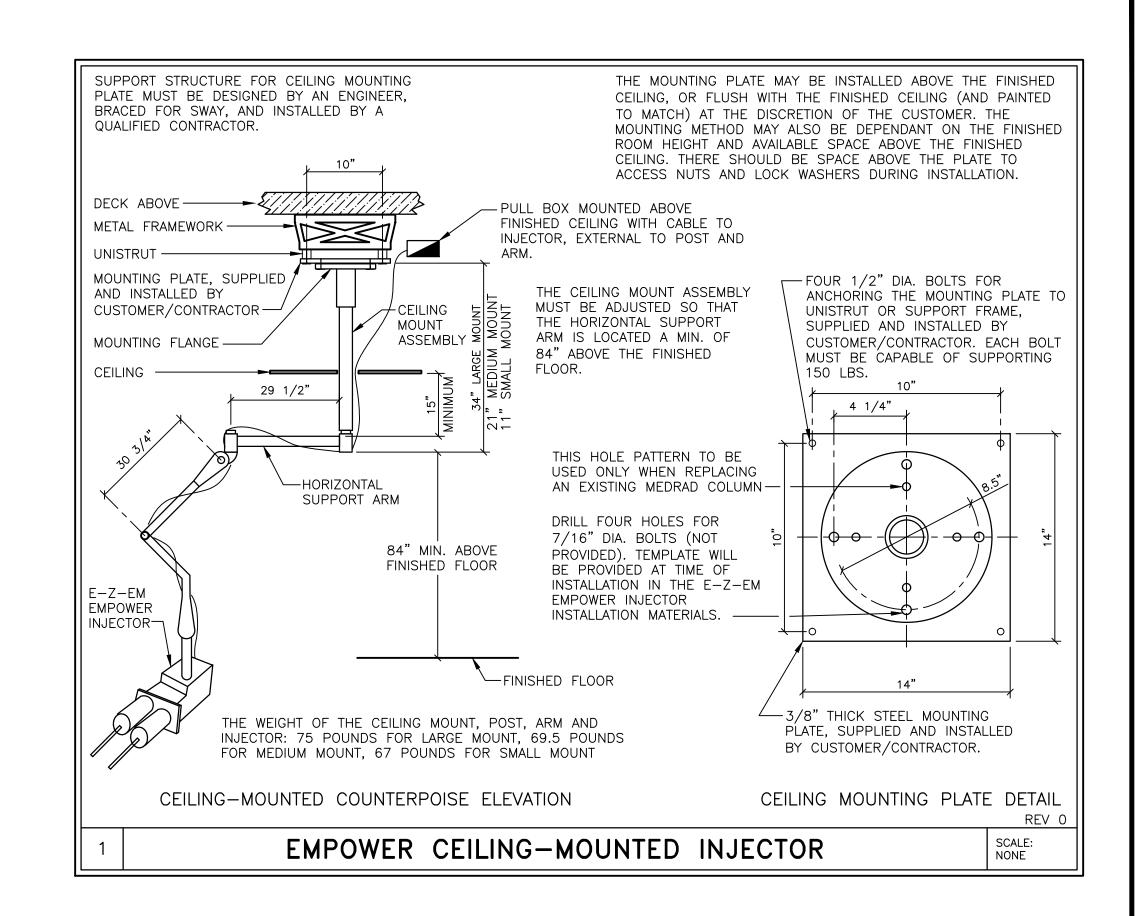
- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

PHYSICIST TO SPECIFY RADIATION PROTECTION.



STRUCTURAL CEILING PLAN

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



FINISHED ROOM HEIGHT MINIMUM 7'-6 9/16" FOR CT GANTRY ONLY

CAREVISION MONITOR/CEILING MOUNT MIN. 9'-2 5/8" MAX. 11'-2 5/8"

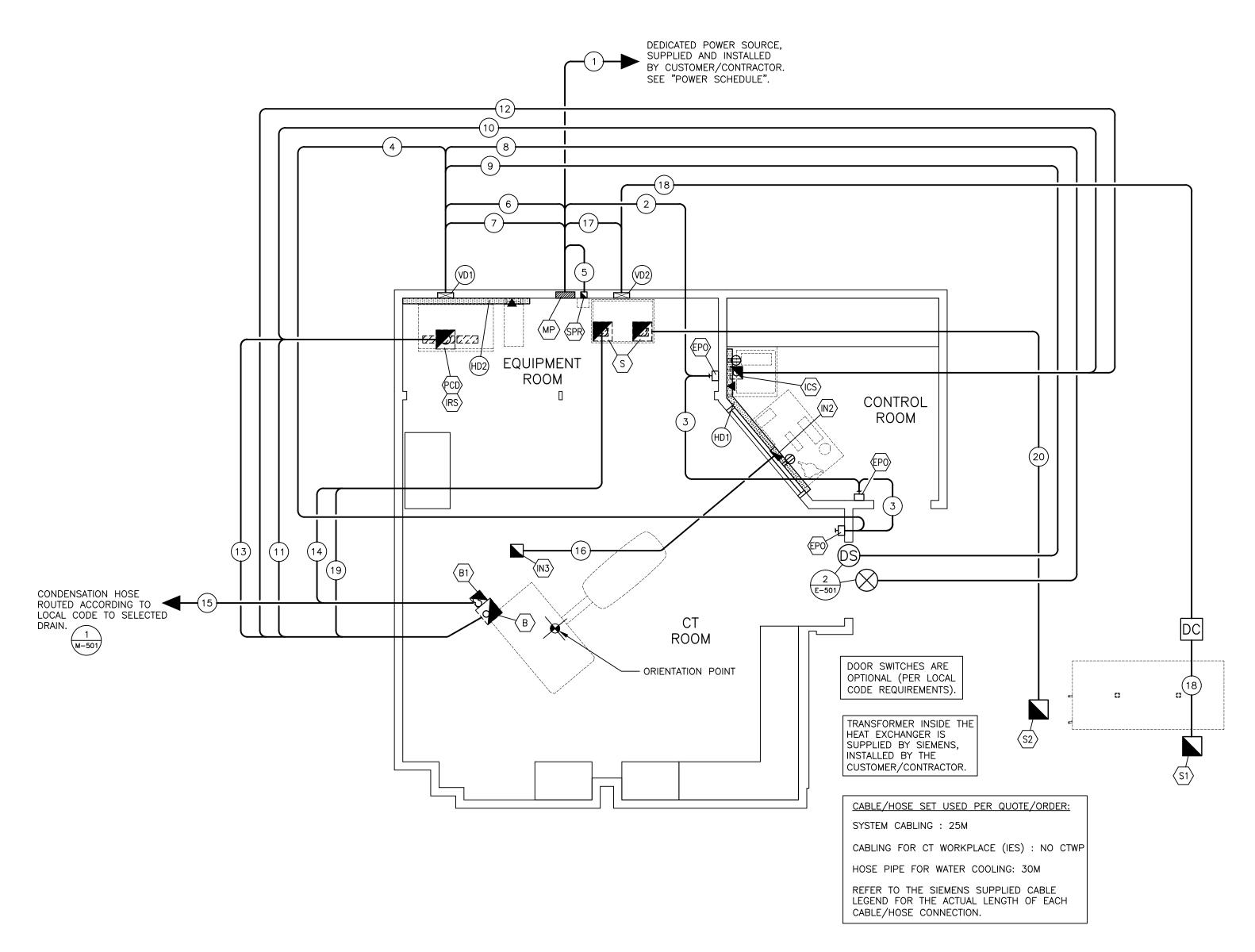
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FORCE REV 2 ROJECT MANAGER: JIM STANCIL EL: (415) 278-1915 SIEMENS MAIL: JIM.STANCIL@SIEMENS.COM HEALTH CARE 300 PASTEUR DR., STANFORD, CA 94305 CT ROOM — SOMATOM FORCE THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL PROJECT #: 1502692 R-101RB VERSION DATED 10/19/1 12/28/15 APPROVED BY CUSTOMER FOR FINALS RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION J. DRAMIS REF. #: 30187558 SCALE: AS NOTED -ISSUE BLOCK-12/28/15

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ELECTRICAL RACEWAY PLAN

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

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

VERTICAL DUCTS - 10'-0" FLOOR PENETRATIONS - 3'-0"

CONDUIT LENGTHS:

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

ATTENTION:

	SIEMENS SUPPLIED CABLES							
FROM	VIA	то	DESCRIPTION	REMARKS				
PDC	10	ICS	POWER CABLE; W8:300V, W34:600V DATA CABLE; W61:CAT5 ,W63:CAT 5	MAXIMUM LENGTH 82'-0"				
PDC	UNDER CABINET	IRS	POWER CABLE; W7:300V, W33:600V DATA CABLE; W57:CAT5, W65:CAT5	MAXIMUM LENGTH 82'-0"				
PDC	11	В	POWER CABLE; W1:600V, W2:600V, W3:300V, W4:2000V, W9:300V, W54:300V PE CABLE & CONTROL CABLE; W30:600V, W59:600V DATA CABLE; W53:CAT5, W74:FIBER	MAXIMUM LENGTH 82'-0"				
В	12	ICS	CONTROL CABLE; W51:300V	MAXIMUM LENGTH 82'-0"				
В	13	IRS	DATA CABLE; W70:FIBER, W78:FIBER, W98:FIBER	MAXIMUM LENGTH 82'-0"				
S	14	B1	WATER HOSES	MAXIMUM LENGTH 96'-0"				
B1	15	DRAIN	CONDENSATION HOSE	MAXIMUM LENGTH 32'-9"				
IN2	16	IN3	INJECTOR CABLE					
S	VD2,18,DC,18	S1	POWER CABLE AND CONTROL CABLE; W820:600V	MAXIMUM LENGTH 131'-0" SUPPLIED BY SIEMENS, INSTALLED BY CUSTOMER/CONTRACTOR				
S	19	В	DATA CABLE; W821:30V	MAXIMUM LENGTH 98'-0"				
S	20	S2	WATER HOSES	MAXIMUM LENGTH 131'-0"				

SYM	SIZE	DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	REMARKS
B	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 4"¢ CORE DRILL WITH SLEEVE THROUGH THE SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATION.	GANTRY CABLE ACCESS
B 1	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH A 4"Ø CORE DRILL WITH SLEEVE AND A 3"Ø CORE DRILL WITH SLEEVE THROUGH THE SLAB ENDING FLUSH WITH THE FINISHED FLOOR IN SHOWN LOCATIONS.	GANTRY HOSE ACCESS
©		DISCONNECT SWITCH MOUNTED NEAR OUTDOOR UNIT TO DISCONNECT POWER SUPPLY FROM INDOOR UNIT. SUPPLIED BY SIEMENS, INSTALLED BY CUSTOMER/CONTRACTOR IN ACCORDANCE WITH LOCAL CODES.	OUTDOOR UNIT-WATER/AIR SPLIT
(P)		EMERGENCY POWER OFF BUTTON. EXACT LOCATIONS TO BE DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(CS)	AS REQUIRED	PULL BOX MOUNTED BELOW FLOOR SLAB WITH 4"Ø CORE DRILL WITH SLEEVE THROUGH SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	IMAGE CONSTRUCTION SYS.
(N2)	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL IN CONTROL AREA.	INJECTOR ELECTRONICS
(N3)	AS REQUIRED	PULL BOX MOUNTED ABOVE FINISHED CEILING IN SHOWN LOCATION.	CEILING MTD. INJECTOR
(RS)		FIXED POINT DESIGNATION, SAME PULL BOX/OPENING AS PDC.	
₩P>	3-PHASE	MAIN PANEL WITH MAIN BREAKER. EXACT LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE.
®	AS REQUIRED	PULL BOX MOUNTED TO UNDERSIDE OF FLOOR SLAB WITH 6"Ø CORE DRILL WITH SLEEVE THROUGH FLOOR SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	POWER DISTRIBUTION CAB.
<u>s</u>	AS REQUIRED	TWO PULL BOXES MOUNTED BELOW THE FLOOR SLAB WITH TWO 6"O CORE DRILLS WITH SLEEVES THROUGH THE FLOOR SLAB ENDING FLUSH WITH FINISHED FLOOR IN SHOWN LOCATIONS.	CABINET-WATER/AIR SPLIT
(31)	AS REQUIRED	PULL BOX THAT IS PROVIDED ON THE OUTDOOR COOLING UNIT.	OUTDOOR COOLING UNIT-WATER/AIR SPLIT
<u>(S2)</u>	AS REQUIRED	PULL BOX MOUNTED ADJACENT TO OUTDOOR COOLING UNIT PROVIDED WITH FLEX-TITE CONDUIT FROM PULL BOX TO WATER HOSE CONNECTIONS ON OUTDOOR COOLING UNIT.	OUTDOOR COOLING UNIT— WATER/AIR SPLIT
₹	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL PROVIDED WITH 2"0 OPENING IN FINISHED COVER. THE SURGE SUPPRESSOR MUST BE LOCATED WITHIN 3 FEET CABLE RUN FROM CIRCUIT BREAKER, AT HEIGHT DETERMINED BY CUSTOMER/ CONTRACTOR.	SEE DETAIL S-101
HD1 HD2	10" x 3 1/2"	ELECTRICAL DUCT RUN HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN. DUCT TO BE DIVIDED INTO TWO SECTIONS WITH METAL DIVIDERS.	RACEWAY
(VI)(VI2)	10" x 3 1/2"	ELECTRICAL DUCT MOUNTED FLUSH WITH FINISHED WALL IN SHOWN LOCATION PROVIDED WITH FINISHED, REMOVABLE COVERS. TO EXTEND FROM FLOOR LINE TO END ABOVE FINISHED CEILING. DUCT TO BE DIVIDED INTO TWO SECTIONS WITH METAL DIVIDERS.	RACEWAY
1	AS REQUIRED	CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
2	AS REQUIRED	CONDUIT FROM "MP" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
3	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
4	AS REQUIRED	CONDUIT FROM "EPO" TO "VD1" (PDC), SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
5	AS REQUIRED	CONDUIT FROM "MP" TO "SPR" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
6	AS REQUIRED	CONDUIT FROM "MP" TO "VD1" (PDC), SIZED BY ELECTRICAL ENGINEER OF RECORD.	FOR PDCA PART. SEE POWER SCHEDULE FOR PDCB PART.
7	AS REQUIRED	CONDUIT FROM "MP" TO "VD1" (PDC), SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
8	AS REQUIRED	CONDUIT FROM "VD1" (PDC) TO "WARNING LIGHT".	
9	AS REQUIRED	CONDUIT FROM "VD1" (PDC) TO "DS".	
10	2-1/2 " ø	CONDUIT FROM "PDC" TO "ICS".	MAX. CONDUIT LENGTH 72'-0"
11)	(3) 3"ø	CONDUITS FROM "PDC" TO "B" WITH A MINIMUM 6" BENDING RADIUS.	MAX. CONDUIT LENGTH 72'-0"
12	3 " ø	CONDUIT FROM "B" TO "ICS".	MAX. CONDUIT LENGTH 72'-0"
(13)	1-1/2"ø	CONDUIT FROM "B" TO "IRS".	MAX. CONDUIT LENGTH 72'-0"
14)	(2) 3"ø	WATER HOSES WITH A MINIMUM 6" BENDING RADIUS.	MAX. CONDUIT LENGTH 80'-0" SEE SHEET M-101
(15)	1 "ø	CONDUIT, IF REQUIRED PER LOCAL CODE, FOR CONDENSATION HOSE FROM "B1" TO SELECTED DRAIN TYPE. THE MINIMUM BENDING RADIUS IS 1 3/16".	MAX. CONDUIT LENGTH 26'-9"
16)	2-1/2 " ø	CONDUIT FROM "IN2" TO "IN3", VERIFY LENGTH RESTRICTIONS WITH MANUFACTURER.	
17)	AS REQUIRED	CONDUIT FROM "MP" TO "VD2" (S), SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
18)	1-1/2"ø	CONDUIT FROM "VD2" (S) TO "DC" AND "DC" TO "S1".	MAX. CONDUIT LENGTH 121'-0"
19	1-1/2"ø	CONDUIT FROM "S" TO "B".	MAX. CONDUIT LENGTH 90'-0"
20	(2) 3"ø	CONDUITS, IF REQUIRED PER LOCAL CODE, FROM "S" TO "S2". THE MINIMUM BENDING RADIUS IS 12.5".	MAX. CONDUIT LENGTH 126'-0" SEE SHEET M-101

ELECTRICAL LEGEND

FROM	VIA	ТО	DESCRIPTION	REMARKS
POWER SOURCE	1	MP	3-PHASE CONDUCTORS, 1 NEUTRAL, 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	2	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	3	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	4,VD1	PDC	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	5	SPR	3-PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	6,VD1	PDC	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE, MAX. 3/0. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	7,VD1	PDC	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE, MAX. 3/0. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDC	VD1,8	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	
PDC	VD1,9	DS	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	
MP	17,VD2	S	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE

ELECTRICAL NOTES

) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF 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 TO ANSI, IEEE AND NEMA STANDARDS. WHERE APPLICABLE, PROVIDE ONLY MATERIALS AND PRODUCTS THAT ARE U.L. LISTED AND LABELED. CUSTOMER'S/CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF NECA STANDARD OF

2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT TO 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 SMS PROGRAM MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY SMS PROJECT MANAGER.

3) POWER SUPPLY SOURCE: POWER SUPPLIES FOR SIEMENS MEDICAL SOLUTIONS EQUIPMENT SHALL BE DEDICATED SERVICES KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING AND EQUIPMENT, SUCH AS: ELEVATORS, GENERATORS, PUMPS, HVAC SYSTEMS, ETC. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER/UTILITY COMPANY FIELD REPRESENTATIVE.

4) WORK FURNISHED BY CUSTOMER/CONTRACTOR: WORK NOT PROVIDED BY SIEMENS MEDICAL SOLUTIONS BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES THE FOLLOWING BUT IS NOT LIMITED TO UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.

5) RACEWAY AND CONDUIT NOTES: RACEWAY SHALL BE ELECTRIC METALLIC TUBING (EMT) FOR RIGID CONDUIT WORK, OR WHERE SHORT OFF-SET CONNECTIONS ARE REQUIRED LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED. FIELD BENDS SHALL NOT BE LESS THAN AS SHOWN IN TABLE 346-10 OF THE NATIONAL ELECTRICAL CODE. PROVIDE A JETLINE "SUPER TRUE TAPE", OR EQUIVALENT CONDUIT MEASURING TAPE FISH LINE IN ALL RACEWAYS AND CONDUITS. 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. CONNECTORS SHALL BE DOUBLE SET SCREW TYPE, STEEL CONCRETE TIGHT. 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 MEDICAL SYSTEMS CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS.

PROVIDE ENCLOSED METAL RACEWAY SYSTEM (WIRE DUCT) WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT (FOR POWER AND SIEMENS MEDICAL SOLUTIONS CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. FOR UL CERTIFIED SYSTEMS, THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM INVESTIGATION OF THIS EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS, AS THEY CAN BE IN THE SAME RACEWAY. PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF OPENINGS TO BE CUT IN FIELD ARE TO 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. IN- FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS.

6) WIRING: WIRING SHALL BE INSTALLED IN METAL RACEWAY, 600 VOLT CLASS, STRANDED TYPE THHN-THWN, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 75° C (165° F). SIZED AS INDICATED. THE CUSTOMER/CONTRACTOR SHALL LEAVE MINÍMUM 10 FT. WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY SIEMENS MEDICAL SOLUTIONS.

7) IN ADDITION TO THE CIRCUIT BREAKER LOAD CURRENT RATING, CONSIDERATION MUST ALSO BE GIVEN TO SELECTING CIRCUIT BREAKERS THAT HAVE A HIGH ENOUGH SHORT CIRCUIT CURRENT WITHSTAND RATING TO SAFELY COORDINATE WITH THE POWER SYSTEM AVAILABLE SHORT CIRCUIT CURRENT. GENERALLY, WHEN THE 480 VOLT, 3 PHASE, X-RAY EQUIPMENT IS SERVED FROM A POWER SUPPLY SYSTEM THAT IS PROVIDED WITH A 500 kVA OR SMALLER TRANSFORMER, A STANDARD 14,000 RMS AMPERE WITHSTAND RATED CIRCUIT BREAKER WILL BE ADEQUATE. HOWEVER, IF THE POWER SUPPLY SYSTEM TRANSFORMER IS LARGER THAN 500 kVA, THEN THE CIRCUIT BREAKERS HAVING A SHORT CIRCUIT WITHSTAND RATING GREATER THAN 14,000 RMS AMPERES MAY BE REQUIRED.

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.

OJECT MANAGER: JIM STANCIL (415) 278-1915

> THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL

SIEMENS MAIL: JIM.STANCIL@SIEMENS.COM

HEALTH CARE 300 PASTEUR DR., STANFORD, CA 94305

CT ROOM - SOMATOM FORCE 1502692

R-101RB VERSION DATED 10/19/ RESULT IN PROSECUTION UNDER 12/28/15 APPROVED BY CUSTOMER FOR FINALS FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION SCALE: AS NOTED REF. #: 30187558 -ISSUE BLOCK-

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FINISHED ROOM HEIGHT

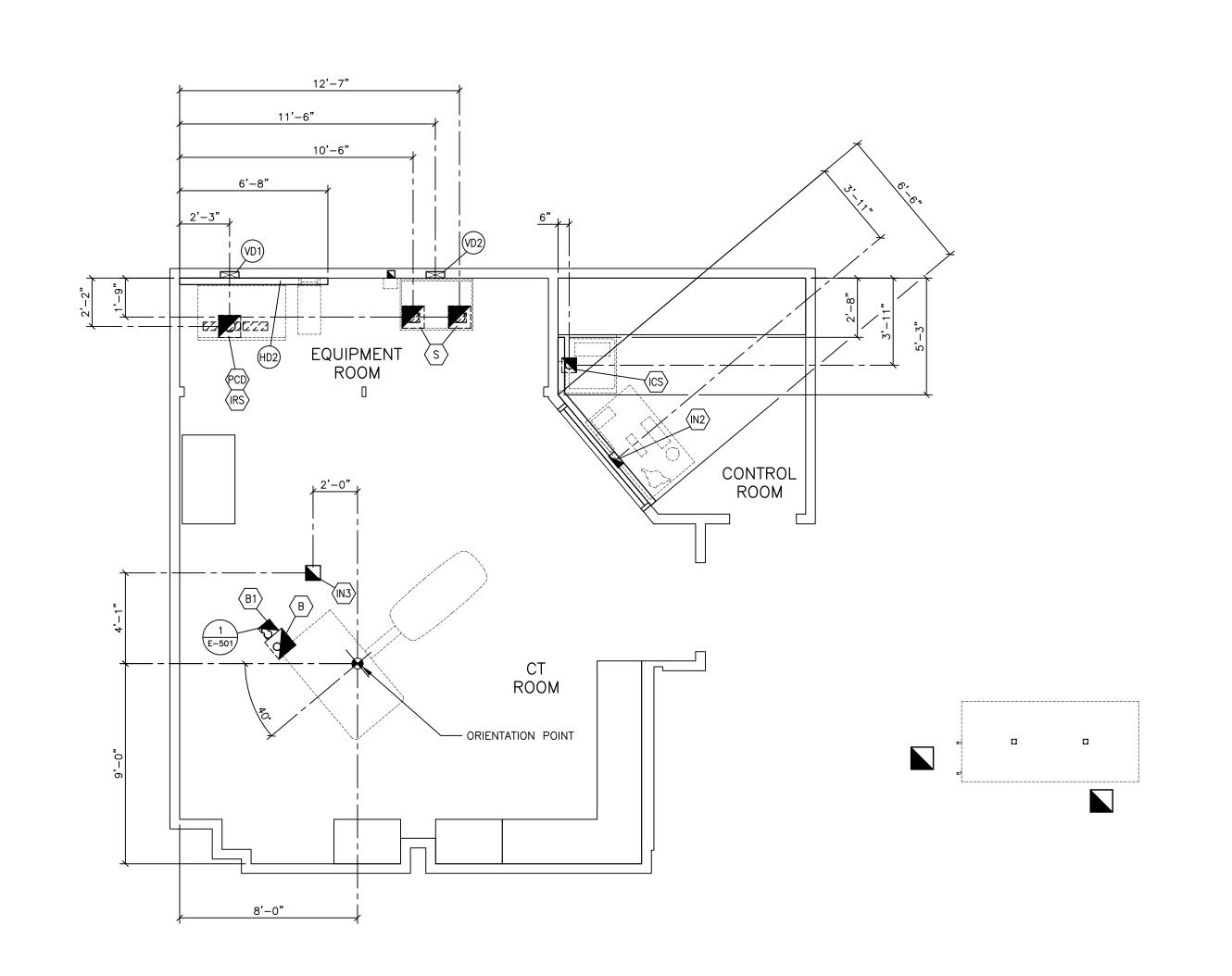
CAREVISION MONITOR/CEILING MOUNT MIN. 9'-2 5/8" MAX. 11'-2 5/8"

FOR CT GANTRY ONLY

MINIMUM 7'-6 9/16"

J. DRAMIS 12/28/15

FORCE REV 2



ELECTRICAL DIMENSION PLAN

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

FINISHED ROOM HEIGHT MINIMUM 7'-6 9/16" FOR CT GANTRY ONLY

CAREVISION MONITOR/CEILING MOUNT MIN. 9'-2 5/8" MAX. 11'-2 5/8"

-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.

DATE

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PROJECT MANAGER: JIM STANCIL TEL: (415) 278-1915 VMAIL: EXT:

EMAIL: JIM.STANCIL@SIEMENS.COM

HEALTH CARE

300 PASTEUR DR., STANFORD, CA 94305
CT ROOM - SOMATOM FORCE 1502692 J. DRAMIS 12/28/15

SIEMENS [

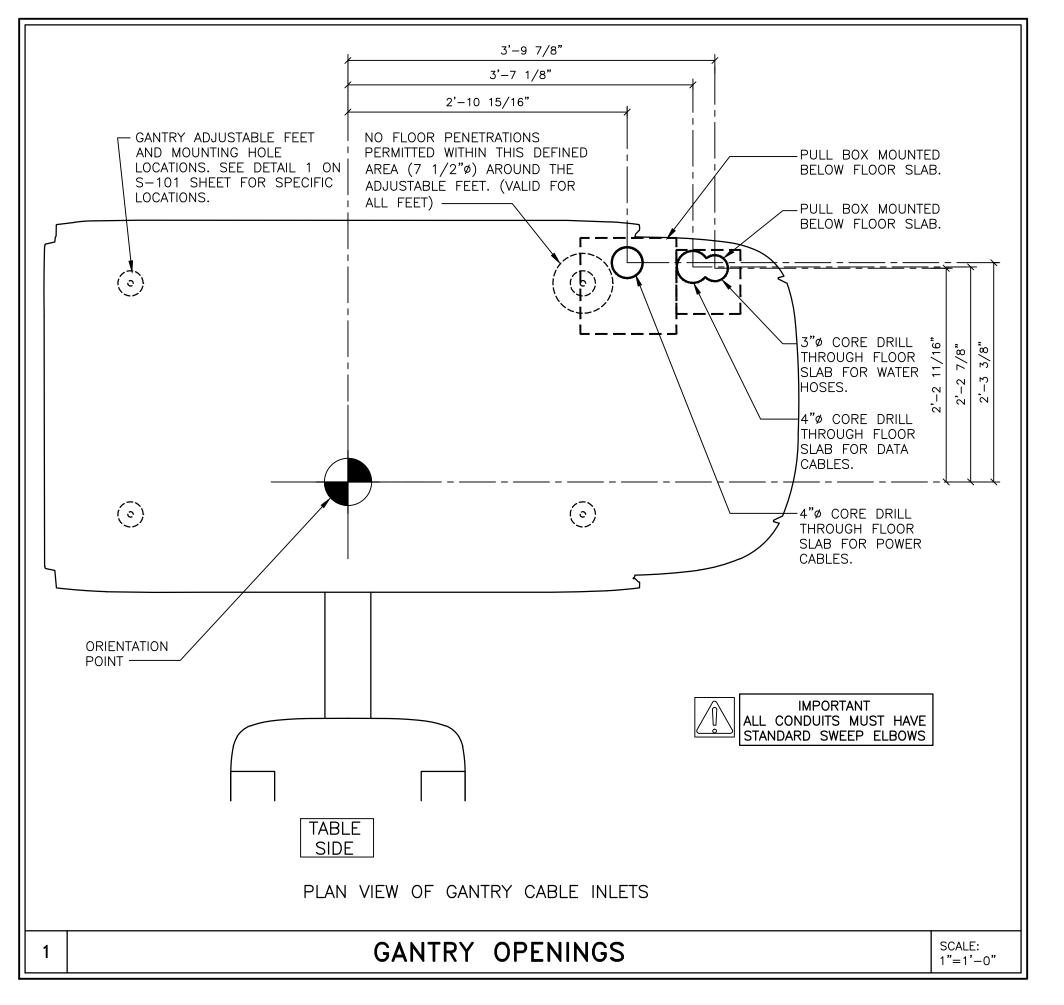
FORCE REV 2

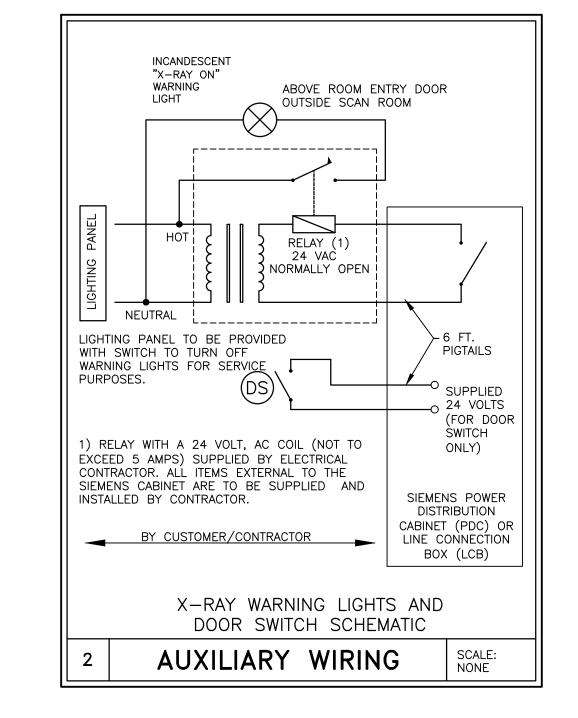
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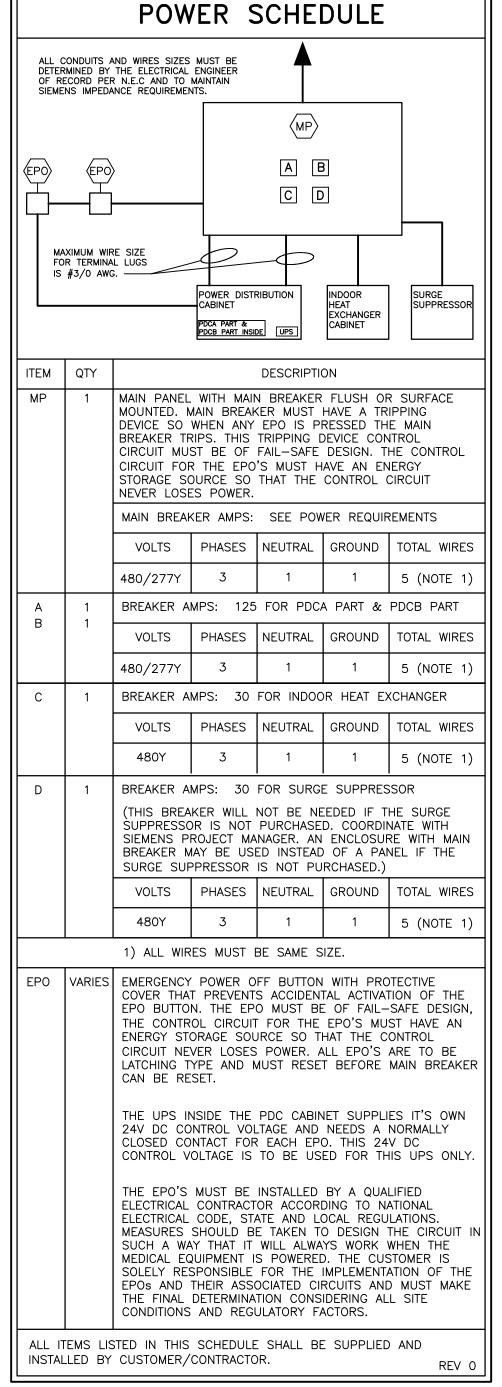
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POWER REQUIREMENTS SYSTEM LINE VOLTAGE (VOLTS) POWER CONSUMPTION (kVA) POWER CONSUMPTION (LINE IMPEDANCE (MΩ) INCOMING CIRCUIT (CIRCUIT BREAKERS) REAKER (AMPS) (AMPS)							
POWER FACTOR 0.85 OR HIGHER REQUIRED. POWER CONSUMPTION (WITH STANDARD WATER/WATER HEAT EXCHANGER) OPERATING FOR 2 SEC — 350 kVA OPERATING FOR 100 SEC — 87 kVA SYSTEM ON (STAND-BY) — 9 kVA SYSTEM ON (COMP ON) — 4 kVA GANTRY OFF (EVA ON) — 0 kVA							
POWER CONSUMPTION (WITH OPTIONAL WATER/AIR SPLIT COOLING SYSTEM)							

IF AN ON-SITE PRE-TRANSFORMER IS REQUIRED, IT MUST BE

A MIN. OF 385 KVA WITHOUT WATER/AIR SPLIT SYTEM AND A

ALL STANDARD COMPONENTS AND ADD-ONS ARE SUPPLIED VIA

DO NOT CONNECT NON-SIEMENS COMPONENTS SUCH AS LASER CAMERAS OR FILM PROCESSORS TO THE SIEMENS POWER

THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST

TO ENSURE SATISFACTORY SYSTEM OPERATION THE PDS MUST

MIN. OF 395 kVA WITH WATER/AIR SPLIT SYSTEM.

ONE EMERGENCY POWER OFF (PANIC) BUTTON.

OPERATING FOR 2 SEC - 360 kVA

SYSTEM ON (STAND-BY) - 19 kVA

SYSTEM ON (COMP ON) - 4 kVA

THE POWER DISTRIBUTION SYSTEM.

DISTRIBUTION SYSTEM (PDS).

GANTRY OFF (EVA ON) — O kVA

OPERATING FOR 100 SEC - 97 kVA

GROUNDING NOTES

EQUIPMENT GROUND CONDUCTOR TO COMPLY WITH THE FOLLOWING:

HAVE A DEDICATED PROTECTIVE GROUND CONDUCTOR.

1) SIZED EQUIVALENT TO THE PHASE CONDUCTORS (FULL SIZED GROUND).

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 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.

LIGHTING GUIDELINES

ROOM LIGHTING IS THE RESPONSIBILITY OF THE CUSTOMER. HOWEVER, SIEMENS OFFERS THE FOLLOWING RECOMMENDATIONS, AS A GENERAL GUIDE ONLY, WHEN PLANNING FOR LIGHTING.

1) OVERALL GENERAL ILLUMINATION IS NECESSARY FOR CLEAN UP AND MAINTENANCE OF EQUIPMENT.

2) THE LIGHTING IN ROOMS IN WHICH DIAGNOSES ARE MADE ON VIDEO DISPLAY UNITS (MONITORS) MUST MEET THE FOLLOWING REQUIREMENTS:

- ADJUSTABLE, GLARE-FREE AND REPRODUCIBLE SETTING OF LIGHTING (I.E. DIMMER WITH SCALE)

- NO REFLECTIONS FROM WINDOWS, LAMPS AND VIEWING BOXES WHEN THE MONITORS ARE IN THEIR STANDARD OPERATING POSITION.

FORCE |

			_				REV	
			PROJECT MANAGEI TEL: (415) 278 VMAIL: FAX: EMAIL: JIM.STANCIL	-1915 EXT:			SIEMEN:	5
					300 PASTEUR DR.,	STANFORD, CA 9430 SOMATOM FORCE	TH CAR	E
				PRODUCTION OF LOCK WITHOUT	PROJECT #:		SHEET:	_
\triangle	12/28/15	R-101RB VERSION DATED 10/19/15 APPROVED BY CUSTOMER FOR FINALS	DECLIET IN DROG	ORIZATION WILL SECUTION UNDER OF THE LAW.	1502	2692		1
SYM	DATE	DESCRIPTION		RE RESERVED.	SHEET OF 7 9	DRAWN BY: J. DRAMIS	L- JU	
	-ISSU	E BLOCK-	SCALE: AS NOTED	REF. #: 30187558	DATE: 12/28/15			_

ATTENTION:

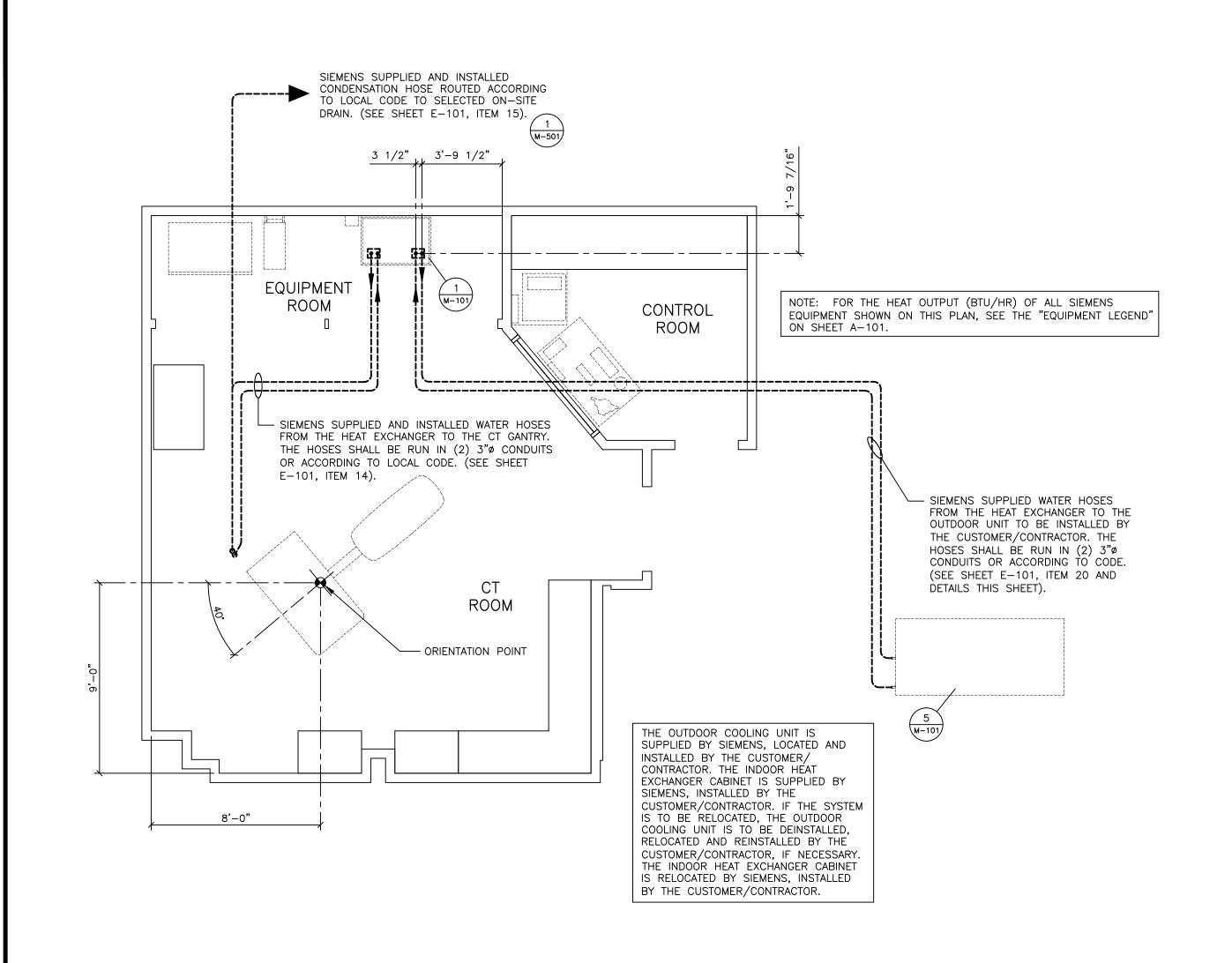
- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

- 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.

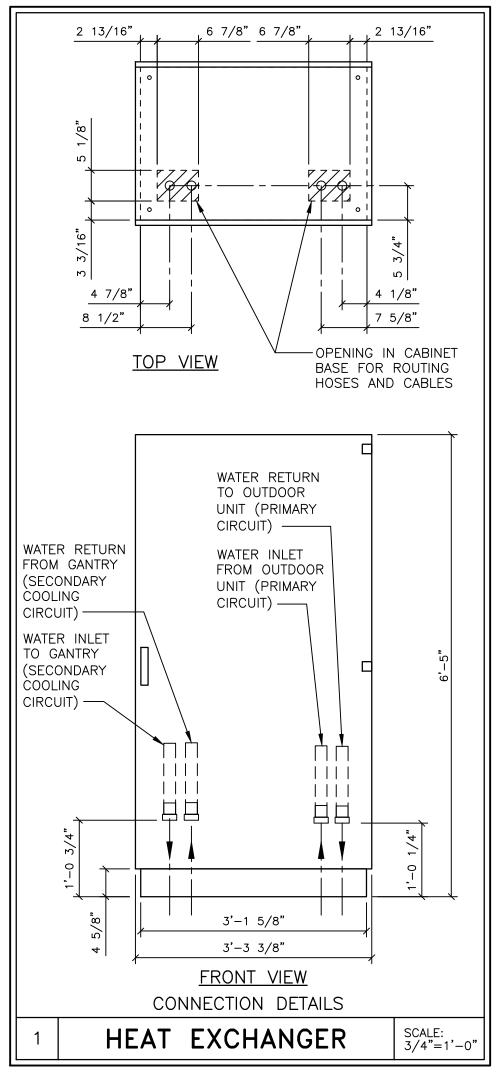
-ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. PHYSICIST TO SPECIFY RADIATION PROTECTION.

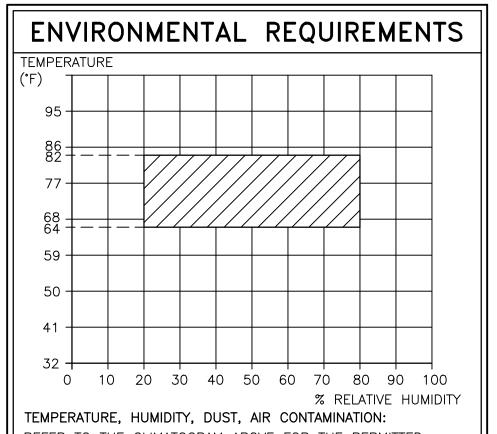
THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION



MECHANICAL PLAN

SCALE: 1/4" = 1'-07'-11 1/2" THE OUTDOOR UNIT MUST BE LOCATED AND INSTALLED BY THE CUSTOMER/CONTRACTOR. THIS UNIT IS PART OF A PRE-INSTALLATION KIT THAT MUST BE INSTALLED PRIOR TO THE DELIVERY OF THE SYSTEM. IT MAY BE LOCATED OUTSIDE ON THE ROOF OR GROUND, OR IN AN AIR CONDITIONED ROOM IF AN OUTSIDE INSTALLATION IS NOT NOTE: SPACE FOR - ON-SITE POSSIBLE. THE MOUNTING SURFACE MUST BE LEVEL. IT IS WATER INLET SERVICE MUST ALSO WEATHER RECOMMENDED THAT THE UNIT BE PROTECTED AGAINST BE MAINTAINED PROTECTION & RETURN -RAIN, SNOW, ETC. (RECOMMENDED) THE OUTDOOR UNIT MUST ALWAYS BE BOLTED TO THE FLOOR THROUGH THE DRILL HOLES IN THE FRAME. MATERIALS FOR BOLTING MUST BE SUPPLIED BY THE CUSTOMER/CONTRACTOR. MOUNTING TO A WALL IS ALSO — CABLE POSSIBLE. MATERIALS FOR MOUNTING AND STRUCTURAL CONNECTION BOX SUPPORT MUST BE DESIGNED, SUPPLIED AND INSTALLED TOP VIEW BY THE CUSTOMER/CONTRACTOR. WEATHER PROTECTION -COOLING FAN (EXHAUST) - WATER INLET & RETURN OUTDOOR COOLING ON-SITE UNIT -SUPPORT WATER INLET & RETURN-INTAKE 3'-4 13/16" WALL MOUNTING - NO SCALE 3'-7 5/16" 2'-3 9/16" 3'-11 1/4" 7'-2 5/16" MIN. SERVICE MIN. SERVICE CLEARANCE 7'-11 1/2" CLEARANCE FRONT VIEW SIDE VIEW



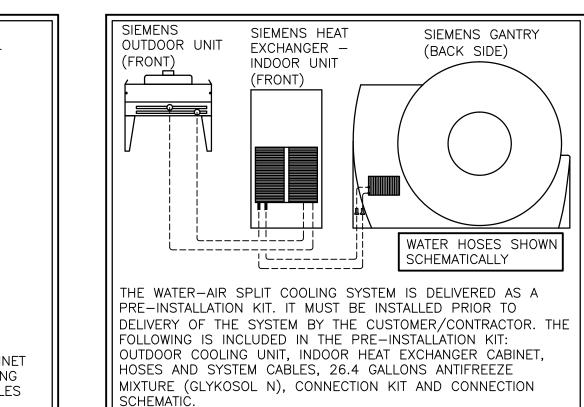


REFER TO THE CLIMATOGRAM ABOVE FOR THE PERMITTED CLIMATE RANGE.

THE MAXIMUM TEMPERATURE GRADIENT IS 6 K/HR. THE ENVIRONMENTAL REQUIREMENTS FOR THE OPERATOR AND

THE SYSTEM IS 64 TO 82 °F WITH A RELATIVE HUMIDITY OF 20-80% AND A BAROMETRIC PRESSURE OF 10.2 TO 15.4 PSI. EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS MERV 8 TO FILTER DUST PARTICLES >10 um.

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 ..



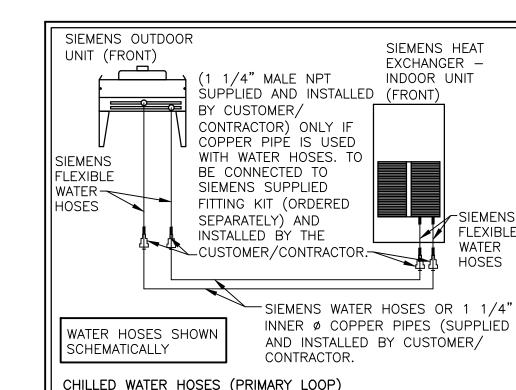
THE COOLING CIRCUIT BETWEEN THE OUTDOOR UNIT AND THE INDOOR UNIT IS THE PRIMARY COOLING CIRCUIT. THE COOLING CIRCUIT BETWEEN THE GANTRY AND THE INDOOR COOLING UNIT IS THE SECONDARY COOLING CIRCUIT. THE PRIMARY CIRCUIT IS TO BE FILLED BY THE CUSTOMER/CONTRACTOR. THE STATIC FILI PRESSURE MUST BE SET TO 29 PSI AFTER FILLING FOR THE PRIMARY CIRCUIT AND 22 PSI FOR THE SECONDARY CIRCUIT. THE PUMP IN THE PRIMARY COOLING CIRCUIT GENERATES AN OPERATING PRESSURE OF 29-73 PSI AT THE PUMP OUTLET. THE PUMP IN THE SECONDARY COOLING CIRCUIT GENERATES AN OPERATING PRESSURE OF 58-73 PSI AT THE PUMP OUTLET. THE WATER VOLUME IN THE PRIMARY COOLING CIRCUIT IS APPROX. 23.8 GALLONS. THE WATER VOLUME IN THE SECONDAR' COOLING CIRCUIT IS APPROX. 13.2 GALLONS, NOT INCLUDING ANY HOSE EXTENSIONS. ANTIFREEZE (GLYKOSOL N ONLY) WILL BE UTILIZED BY THE TECHNICIAN WHO WILL START THE SYSTEM. THE PERMITTED MIXING RATIO IS 40:60 (GLYCOL:WATER) FOR TEMPERATURE RANGE -22° TO 122° . 26.4 GALLONS OF ANTIFREEZE MIXTURE (GLYKOSOL N) IS INCLUDED IN DELIVERY.

A 3/4" HOSE BIB AND A WATER DRAIN (EX. SINK) MUST BE AVAILABLE IN THE EQUIPMENT ROOM OR IN THE SCAN ROOM NEAR THE HEAT EXCHANGER FOR FILLING THE COOLING CIRCUITS

NONE

COOLING DIAGRAM

WATER CANNOT BE ADDED TO THIS MIXTURE.



CHILLED WATER HOSES (PRIMARY LOOP)

THE CHILLED WATER HOSES ARE SUPPLIED IN THE FOLLOWING LENGTH ONLY: 131 FEET. A 1 1/4" SUPPLY AND RETURN COPPER PIPE CAN BE USED INSTEAD OF THE SIEMENS WATER HOSES, HOWEVER THE SUPPLIED WATER HOSES MUST BE CUT AND USED TO CONNECT THE SIEMENS COMPONENTS TO THE COPPER PIPE. THE LENGTH MAY BE EXTENDED FROM 131 FEET UP TO 196 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED 1 1/4" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES OR FROM 131 FEET UP TO 328 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED 1 1/2" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES. 20 ELBOW ADAPTERS (90 DEGREES) ARE PERMITTED WITHIN THE TOTAL RUN. CUSTOMER/CONTRACTOR TO SUPPLY AND INSTALL FITTINGS TO MATCH THE SELECTED PIPE SIZE. CUSTOMER/CONTRACTOR TO INSULATE WITH 1/2" ARMAFLEX INSULATION, INCLUDING FLEX

IF THE SIEMENS WATER HOSES ARE EXTENDED (>131 FEET), THE LINE VOLTAGE/CONTROL CABLE THAT RUNS FROM THE HEAT EXCHANGER CABINÉT TO THE OUTDOOR UNIT MUST ALSO BE EXTENDED. THESE EXTENDED CABLES ARE AVAILABLE THROUGH

ADDITIONAL ANTIFREEZE (GLYKOSOL N ONLY) MUST ALSO BE SUPPLIED BY THE CUSTOMER/CONTRACTOR FOR HOSE EXTENSION. GLYKOSOL N CAN BE ORDERED THROUGH SIEMENS LOCAL CSE. USE OF AUTOMOTIVE ANTIFREEZE IS PROHIBITED. PRIMARY CIRCUIT

-22° TO 122°

SCALE:

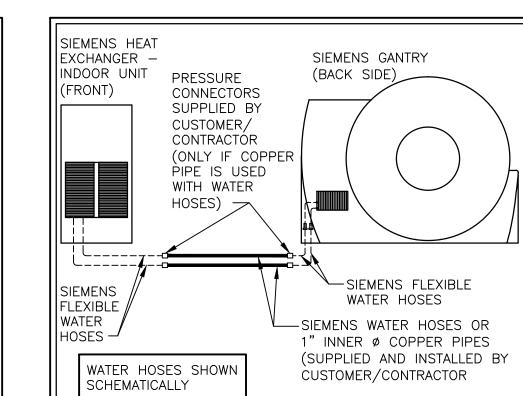
NONE

0-100%

119,425

WATER TEMPERATURE RANGE: AIR INTAKE TEMPERATURE RANGE: **RELATIVE HUMIDITY:** BTU/HR TO AIR (EXHAUST):

PRIMARY CIRCUIT



HEAT EXCHANGER

DUE TO THE HIGH NOISE (<60 dB), IT IS RECOMMENDED TO INSTALL THE HEAT EXCHANGER IN A SEPARATE ROOM. THE HEAT EXCHANGER MAY BE INSTALLED TO THE LEFT OR RIGHT OF PDCA/PDCB OR INDEPENDENT OF THE PDC CABINETS.

CHILLED WATER HOSES (SECONDARY COOLING CIRCUIT)

THE CHILLED WATER HOSES HAVE TO BE ORDERED SEPARATELY AND WILL BE SUPPLIED IN THE FOLLOWING THREE LENGTHS ONLY: 31 FEET, 64 FEET AND 96 FEET. A 1"Ø SUPPLY AND RETURN COPPER PIPE CAN BE USED INSTEAD OF THE SIEMENS WATER HOSES, HOWEVER THE SUPPLIED WATER HOSES MUST BE CUT AND USED TO CONNECT THE SIEMENS COMPONENTS TO THE COPPER PIPE. THE LENGTH MAY BE EXTENDED FROM 96 FEET UP TO 164 FEET WITH CUSTOMER/CONTRACTOR SUPPLIED " INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES OR FROM 96 FEET UP TO 229 FEET WITH CUSTOMER/ CONTRACTOR SUPPLIED 1 1/4" INNER Ø COPPER PIPE USED WITH SIEMENS WATER HOSES. 20 ELBOW ADAPTERS (90 DEGREES) ARE PERMITTED WITHIN THE TOTAL RUN. CUSTOMER/CONTRACTOR TO SUPPLY AND INSTALL FITTINGS TO MATCH THE SELECTED PIPE SIZE. CUSTOMER/CONTRACTOR TO INSULATE WITH 1/2" ARMAFLEX INSULATION, INCLUDING FLEX HOSES. THE OUTER DIAMETER OF THE WATER HOSES IS 1-3/8' INSULATED WATER HOSES ARE AVAILABLE THROUGH SIEMENS. IF THE SIEMENS WATER HOSES ARE EXTENDED (>96 FEET), THE DATA CABLE THAT RUNS FROM THE HEAT EXCHANGER CABINET TO THE GANTRY MUST ALSO BE EXTENDED. THESE EXTENDED CABLES ARE AVAILABLE THROUGH SIEMENS.

SECONDARY CIRCUIT WATER TEMPERATURE: NOMINAL FLOW RATE:

660 GALLONS/HR (WITH 98 FT. HOSE)

SECONDARY CIRCUIT

NONE

TECHNICAL DATA TEMPERATURE RANGE OF WATER -13°F TO 136°F MAXIMUM (PRIMARY COOLING CIRCUIT) 50°F (SECONDARY COOLING CIRCUIT) AMBIENT AIR TEMPERATURE RANGE -22°F TO 122°F MAXIMUM (AIR INTAKE) **FILTRATION** 200 MICRONS BTU/HR TO AIR (EXHAUST) 119,425

WATER QUALITY

THE WATER MUST BE OF DRINKABLE QUALITY. IF THE WATER IS OF LESSER QUALITY A FILTER WITH A MESH OF 200 MICRONS REQUIRED IN THE PRIMARY INLET SUPPLIED BY THE CUSTOMER/ CONTRACTOR. ANTIFREEZE

ANTIFREEZE (GLYKOSOL N ONLY) MAY BE ADDED TO THE PRIMARY COOLING CIRCUIT ONLY, BY THE TECHNICIAN WHO WILL START THE SYSTEM. THE PERMITTED MIXING RATIO IS 40:60 (GLYCOL:WATER) FOR TEMPERATURE RANGE -22° TO 122° F. 26.4GALLONS OF ANTIFREEZE MIXTURE (GLYKOSOL N) IS INCLUDED IN DELIVERY. WATER CANNOT BE ADDED TO THIS MIXTURE. USE OF AUTOMOTIVE ANTIFREEZE IS PROHIBITED.

FORCE REV 2

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY MINIMUM 7'-6 9/16" CAREVISION MONITOR/CEILING MOUNT MIN. 9'-2 5/8" MAX. 11'-2 5/8"

OJECT MANAGER: JIM STANCIL L: (415) 278-1915 **SIEMENS** MAIL: JIM.STANCIL@SIEMENS.COM HEALTH CARE 300 PASTEUR DR., STANFORD, CA 94305 CT ROOM - SOMATOM FORCE THE USE OR REPRODUCTION OF PROJECT #: THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL 1502692 R-101RB VERSION DATED 10/19, RESULT IN PROSECUTION UNDER 2/28/15 APPROVED BY CUSTOMER FOR FINAL FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DATE DESCRIPTION REF. #: 3018755F CALE: AS NOTED -ISSUE BLOCK-

12/28/15

ATTENTION:

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OUTDOOR COOLING UNIT MOUNTING DETAIL

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

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.

- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES.

A WATER DRAIN IS REQUIRED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER/CONTRACTOR TO DRAIN CONDENSED WATER FROM THE GANTRY. THE DRAIN MUST BE WITHIN 32'-9" OF THE GANTRY (TO USE THE DELIVERED WATER HOSE) AND CANNOT EXCEED 13'-1 1/2" ABOVE THE FINISHED FLOOR. THE DISTANCE FROM THE GANTRY TO THE DRAIN MAY BE EXTENDED UP TO 65'-7" WITH EXTENSION MATERIAL PROVIDED BY THE CUSTOMER/CONTRACTOR. BELOW ARE SOME EXAMPLES OF POSSIBLE WATER DRAINS. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHICH DRAIN TYPE TO USE AND FOR SPECIFYING, SUPPLYING AND INSTALLING THE PLUMBING FIXTURES NECESSARY TO CONNECT THE SIEMENS WATER HOSE TO THE SELECTED DRAIN. THE MAX. PUMP CAPACITY OF THE CONDENSED WATER IS 5.3 GALLONS/HR AT 75% RELATIVE HUMIDITY. SINK DRAIN GANTRY (BACK SIDE) -WATER DRAIN HOSE OUTLET-SIEMENS CONDENSATION WATER HOSE (LENGTH: 32'-9", OUTSIDE DIA. 3/8"). MAX. BENDING RADIUS 1 3/16". <u>FLOOR DRAIN</u> /-MIN. 4" FLOOR DRAIN AS REQUIRED PER GANTRY (TOP VIEW) LOCAL CODE. PROVIDE SURFACE MOUNTED PULL BOX OR SURFACE DUCT AS REQUIRED. CONDENSATION WATER DRAIN FORCE | PROJECT MANAGER: JIM STANCIL TEL: (415) 278-1915 SIEMENS 1 EMAIL: JIM.STANCIL@SIEMENS.COM HEALTH CARE 300 PASTEUR DR., STANFORD, CA 94305 CT ROOM — SOMATOM FORCE THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW. PROJECT #: 1502692 12/28/15 R-101RB VERSION DATED 10/19/15 APPROVED BY CUSTOMER FOR FINALS ALL RIGHTS ARE RESERVED. -ALL DIMENSIONS SHOWN ON THIS DRAWING ARE FROM FINISHED SURFACES. -THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED -IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION ATTENTION: DATE DESCRIPTION AT THE TIME OF THEIR PREPARATION. DOCUMENTS FOR REFERENCE. - THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION REF. #: 30187558 SCALE: AS NOTED -ISSUE BLOCK-12/28/15 - THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED. PHYSICIST TO SPECIFY RADIATION PROTECTION.