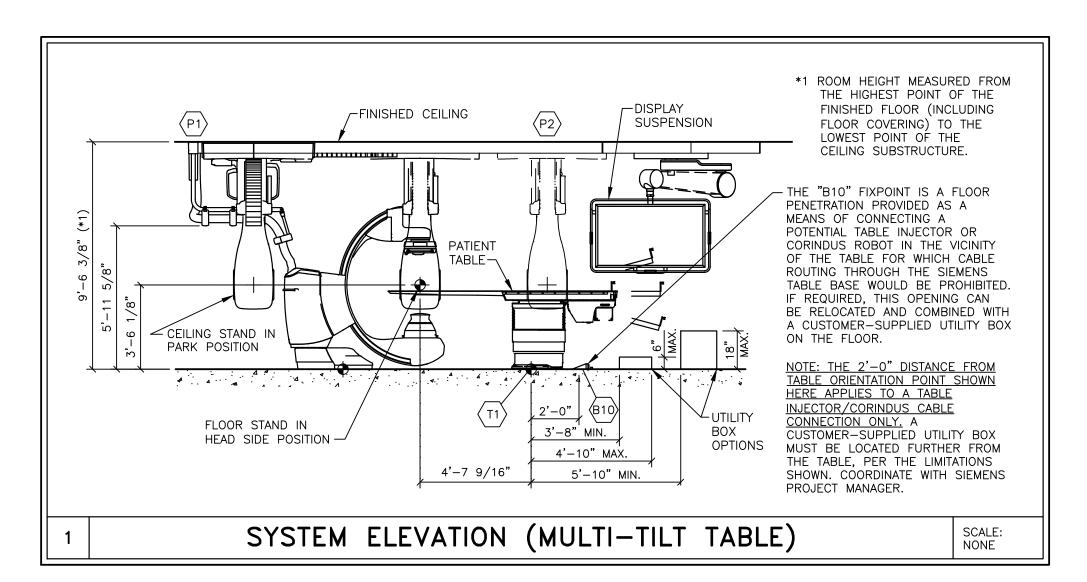


NO	DESCRIPTION	SMS	WEIGHT	BTU/HR	DIMEN	ISIONS (IN	CHE6/	REMARKS
NO	DESCRIPTION	SYM	(LBS)	TO AIR	W	D D	Н	NEWARKS
1	CPC (CENTRAL POWER CONTROL)	( <del>-</del> )	3	N/A	9 5/8	4	2 1/2	ON CONTROL COUNTER
2	CONTROL INTERFACE BOARD	(R)	18	342	19 1/4	3 1/4	13 1/2	ON WALL UNDER COUNTER
3	KEYBOARD	$\bigcirc$	2.2	342	17 1/2	6 1/8	2 1/8	MTD. UNDER COUNTER OR ON CONSOLE
4	DUAL 24" CONTROL ROOM DISPLAYS	$\bigcirc$	19	232	22 5/8	9 5/8	21 3/4	ON COUNTER OR CONSOL
<u>5</u>	CONTROL MODULE	$\Box$	13		23	7 1/2	4	ON COUNTER OR CONSOL
<u>)</u>	INJECTOR WALL CONNECTION — CONTROL ROOM	(W2)	18	342	20 1/4	4 3/4	13 3/8	ON WALL UNDER COUNTER
$\overline{7}$	INTERCOM POWER UNIT	$\overline{\bigcirc}$			6 3/4	5	1 3/8	ON COUNTER
<u>ŏ</u>	INTERCOM MICROPHONE/LOUDSPEAKER (CONTROL ROOM)	$\bigcirc$			4 1/2	9	2	ON COUNTER
<u> </u>	INTERCOM LOUDSPEAKER (PROCEDURE ROOM)	<b>(C2)</b>			3 1/4	2	6	WALL MOUNTED
10)	TABLE CONTROL MODULES	$\bigcirc$	16		20	8 3/4	3 1/2	ON TABLE OR TROLLEY
11)	DCS LARGE DISPLAY RAIL MOUNT W/ 1.12 METER EXTENSION RAILS	<u></u>	787	1,535	44	60 3/4	50 3/4	CEILING SUSPENDED
12)	ARTIS ICONO BIPLANE FLOOR STAND W/ MOUNTING PLATE	<b>(P1)</b>	1,477	682				C-ARM FLOOR MOUNTED
13)	ARTIS ICONO BIPLANE CEILING STAND W/ LONGITUDINAL RAILS	<b>(P2)</b>	2,443	682				C-ARM CEILING MOUNTED
14)	PATIENT TABLE (MULTI-TILT)	(II)	1,200	682				TABLE FLOOR MOUNTED
15)	UPPER BODY RADIATION SHIELD 4 M TRACK	$\bigcirc$	196					TRACK MOUNTED
16)	MAVIG LAMP	$\bigcirc$	48					
17)	GENERATOR 1 (ACX)	(11)	551	4,095	23 5/8	23 1/4	63 1/2	FLOOR MOUNTED
18)	GENERATOR 2 (ACX)	<b>€</b> ₩	551	4,095	23 5/8	23 1/4	63 1/2	FLOOR MOUNTED
19	CABLE CABINET	©	265		31 1/2	17 1/8	87	FLOOR MOUNTED
20	SYSTEM CONTROL CABINET	<b>(33)</b>	970	13,649	39 1/2	25 1/2	74 3/4	FLOOR MOUNTED
21)	ATIS IMAGE SYSTEM	(S)	772	6,483	39 1/2	25 1/2	74 3/4	FLOOR MOUNTED
22)	TUBE COOLING UNIT (PLANE A)	(U)	80	15,355	16 1/2	28 1/4	19 1/4	FLOOR OR SHELF MOUNTE
23)	TUBE COOLING UNIT (PLANE B)	(CU2)	80	15,355	16 1/2	28 1/4	19 1/4	FLOOR OR SHELF MOUNTE
24)	MEDRAD ARTERION INJECTOR TABLE MOUNTED	(N2)	24		21	10	9	SEE MFG REQUIREMENTS
25)	MEDRAD ARTERION INJECTOR DISPLAY CONTROL UNIT	$\bigcirc$	7		12 1/2	3	11	SEE MFG REQUIREMENTS
<del>2</del> 6	MEDRAD ARTERION INJECTOR POWER UNIT	(NI)	11		9 3/4	15 1/4	4 3/4	SEE MFG REQUIREMENTS
<del>2</del> 7	EATON 9355 15KVA UPS AND BATTERY	(P)	755	8,134	12 3/4	33 1/2	47 3/4	SEE MFG REQUIREMENTS
<del>2</del> 8	EATON 9355 OUTPUT TRANSFORMER CABINET	$\bigcirc$	490		20	34 1/8	66	SEE MFG REQUIREMENTS
<u>29)</u>	EATON 9355 REMOTE MONITORING DEVICE	₹MD>	0.5		6	1	3	SEE MFG REQUIREMENTS

PROJECT MILESTONES TO BE COMPLETED BEFORE EQUIPMENT DELIVERY	REFERENCE SHEET
Storage area available for storing items during installation	A-101
Lead shielding (walls, doors, windows) complete	A-101
Climate control functioning 24 hours a day, 7 days a week	A-101
Delivery path verified for largest piece, including rails	A-101
Casework complete in control room	A-101
All walls primed and painted. Flooring installed	A-101
Room lighting complete and functional	A-101
Network drops active and IP addresses obtained for Siemens Remote Services (SRS)	A-102
Nothing hanging below ceiling in area shaded on drawing	A-102
Floor thickness and anchoring spec's verified. If req'd, alt solutions per engineer of record in place	S-101
All conduits, troughs, in-floor pull boxes and/or core drills avoid conflict with floor plate anchors	S-101
Unistrut installed to correct height, location, and levelness (check minimum ceiling height)	S-102
Cable runs checked to ensure maximum lengths not exceeded	E-101
X-Ray warning light and wiring installed	E-101
Contractor supplied electrical wiring / pigtails installed	E-102
Cable inlets located per plans	E-102
EPO's installed and functional	E-102
UPS started and functional	E-102
Ancillary equipment (OEM items, booms, etc) installed	E-102
Breakers installed and facility power available	E-501
All rooms containing Siemens equipment are clean and dust-free	A-101

## ARCHITECTURAL EQUIPMENT PLAN



# STATE AGENCY REVIEW

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

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.

# MAGNETIC FIELD PRECAUTIONS

MAY HAVE AN ADVERSE	GNETIC FIELDS IN THE VICINITY OF EQUIPMENT E EFFECT. IT IS THE CUSTOMER'S RESPONSIBILITY OLLOWING VALUES ARE NOT EXCEEDED.
MAXIMUM ALLOWABLE MAGNETIC FIELD	DEVICES
1.0mT (10 GAUSS)	COMPUTERS, MAGNETIC DISK DRIVES, OSCILLOSCOPES, PROCESSORS
0.5mT (5 GAUSS)	X-RAY TUBES, B/W MONITORS, MAGNETIC DATA CARRIERS, DATA STORAGE DRIVES
0.2mT (2 GAUSS)	SIEMENS CT SCANNERS
0.15mT(1.5 GAUSS)	COLOR MONITORS, SIEMENS LINEAR ACCELERATORS
0.05mT(0.5 GAUSS)	X-RAY IMAGE INTENSIFIERS, GAMMA CAMERAS, PET/CYCLOTRON, OTHER LINEAR ACCELERATORS
MAGNETIC FIELDS SHO	ULD BE MEASURED PRIOR TO DELIVERY

# ENVIRONMENTAL CONDITIONS FOR TRANSPORT/STORAGE

TEMPERATURE RANGE:  $-4^{\circ}$  F TO 158° F

RELATIVE HUMIDITY: 10% TO 95% WITHOUT CONDENSATION

BAROMETRIC PRESSURE: 70 kPa TO 106 KPa

#### 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

RECOMMENDATIONS AND REQUIREMENTS CONTAINED IN THESE DRAWINGS, UNLESS SPECIFIED OTHERWISE. 5) ALL DIMENSIONS SHOWN ARE FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.

ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL AND

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 IS 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

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

THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE

INSTALLATION OF THE SIEMENS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS. 10) CUSTOMER/CONTRACTOR MUST ASSIST SIEMENS INSTALLERS WITH INSTALLATION OF FOUIPMENT ABOVE 14'-0". REFER TO THE FLECTRICAL

NOTES ON SIEMENS SHEET E-101 FOR MORE DETAILS.

# TRANSPORTING REQUIREMENTS

LARGEST COMPONENT WITH PACKAGING:	WxDxH (INCHES)	WEIGHT (LBS)
FLOOR STAND	102 × 38 × 86	2,458
CEILING STAND	107 × 50 × 83	3,307
PATIENT TABLE	63 x 33 x 56	1,356
LARGEST COMPONENT WITH TRANSPORT FRAME:	W×D×H	WEIGHT (LBS)
FLOOR STAND (DEPENDING ON TRANSPORT CARRIAGE WHEEL POSITION)	96 x 33 x 74 96 x 51 x 74	1,852
CEILING STAND (DEPENDING ON TRANSPORT CARRIAGE WHEEL POSITION)	105 x 61 x 72 117 x 43 x 72	2,756
PATIENT TABLE	65 x 42 x 39	1,140
SYSTEM CABINET	58 x 33 x 76	992
C-ARM CEILING RAIL (EACH)	207 X 5 X 6	143
NOTE: MIN. 33" WIDE EQUIPMENT RO	DOM DOOR IS REQUIR	ED

RESOURCE LIST	(SMS USE ONL	Y)
DESIGNATION	PG NUMBER	DATE
ARTIS ICONO BIPLANE	ATHE-PGB.891.01.04.02	11.21



							REV. 26
			PROJECT MANAGER: CHARLES VITELLO TEL: (732) 597-4829 VMAIL: (800) 753-6336 EXT: 8492 FAX: (732) 435-0488 EMAIL: CHARLES.VITELLO@SIEMENS-HE	8	1	SIEMI	ENS
				555 BARD AVE, STATE	DICAL IN ISLAND, NY 1031 S ICONO BIPLANE PR	0	ΓER
<u>↑</u>	05/18/23 03/24/23	EQUIPMENT ROOM REARRANGED CEILING UNISTRUTS EXTENDED 2310264RB DATED 02/15/23 APPROVED BY CUSTOMER FOR FINALS	THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL	PROJECT #: <b>231</b> (	0264	SHEET:	<u></u>
SYM	DATE	DESCRIPTION	ALL RIGHTS ARE RESERVED.	SHEET OF 8	DRAWN BY: P. WOTORTSI	<del>                                    </del>	Ul

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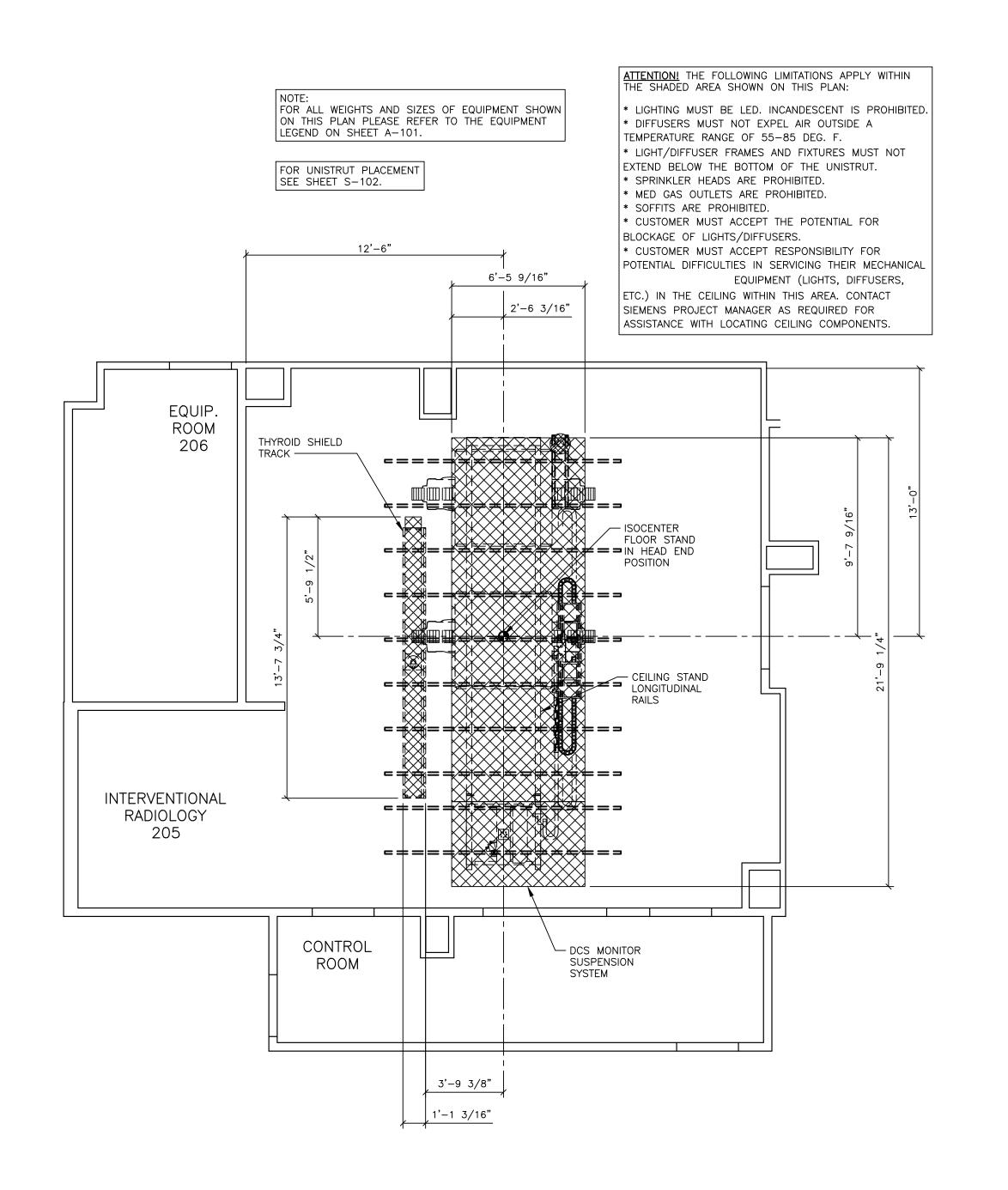
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- IT IS RECOMMENDED THAT THE SIEMENS DRAWINGS BE INCORPORATED WITH THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

- 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.

-ISSUE BLOCK-

SCALE: REF. #: DATE: 03/24/23



12'-6" ROOM 206 CLEARANCE FLOOR STAND IN HEAD END POSITION - SERVICE CLEARANCE ORIENTATION POINT OF PATIENT INTERVENTIONAL TABLE AT FLOOR — RADIOLOGY

SAFETY/SERVICE CLEARANCE PLAN

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

### CEILING NOTES

1) ALL CEILING MOUNTED LIGHT FIXTURES, MECHANICAL REGISTERS AND SPRINKLER HEADS SHALL BE FLUSH WITH FINISHED CEILING, SHALL BE OUTSIDE OF ALL HATCHED AREAS AND SHALL BE SPECIFIED BY THE ARCHITECT OF RECORD AND SUBSEQUENT CONSULTING ENGINEERS. 2) THE ACTUAL CEILING DESIGN AND COORDINATION OF LIGHTING AND MECHANICAL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT OF RECORD AND HIS SUBSEQUENT CONSULTING ENGINEERS. 3) THE CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR FABRICATING, SUPPLYING AND INSTALLING ALL LIGHT, MECHANICAL AND STRUCTURAL SUPPORTING SYSTEMS. SIEMENS MEDICAL SOLUTIONS INC. IS ONLY RESPONSIBLE FOR THE SUPPLYING, INSTALLING AND CALIBRATION OF SMS EQUIPMENT AS SPECIFIED ON THE EQUIPMENT SCHEDULE AS SHOWN ON SHEET A-101. 4) ALL ELECTRICAL AND STRUCTURAL SYSTEMS SHOWN ON THE

REFLECTED CEILING PLAN HAVE BEEN COORDINATED WITH THE EQUIPMENT LOCATIONS AS SHOWN ON THE 1/4" SCALE ARCHITECTURAL EQUIPMENT PLAN (SHEET A-101). ANY CHANGES TO THE SMS EQUIPMENT CONFIGURATION AS SHOWN, DUE TO PLACEMENT OF LIGHTING, STRUCTURAL, ELECTRICAL AND MECHANICAL SYSTEMS, MUST BE APPROVED IN WRITING BY THE SMS PROJECT MANAGER PRIOR TO THE COMPLETION OF CONSTRUCTION DOCUMENTS.

CEILING HEIGHT REQUIREMENT 9 FT. - 6 3/8 IN.

ARTIS ICONO BIPLANE REV. 26 OJECT MANAGER: CHARLES VITELLO **SIEMENS** TEL: (732) 597-4829 VMAIL: (800) 753-6336 EXT: 84928 FAX: (732) 435-0488 MAIL: CHARLES.VITELLO@SIEMENS-HEALTHINEERS.COM RICHMOND MEDICAL CENTER 355 BARD AVE, STATEN ISLAND, NY 10310 BI PLANE LAB - ARTIS ICONO BIPLANE PRO EQUIPMENT ROOM REARRANGE PROJECT #: 05/18/23 THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL CEILING UNISTRUTS EXTENDE 2310264 2310264RB DATED 02/15, RESULT IN PROSECUTION UNDER APPROVED BY CUSTOMER FOR FINALS FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DESCRIPTION P. WOTORTS DATE: 03/24/23 -ISSUE BLOCK-AS NOTED | CPQ-486795/3

ATTENTION:

REFLECTED CEILING PLAN

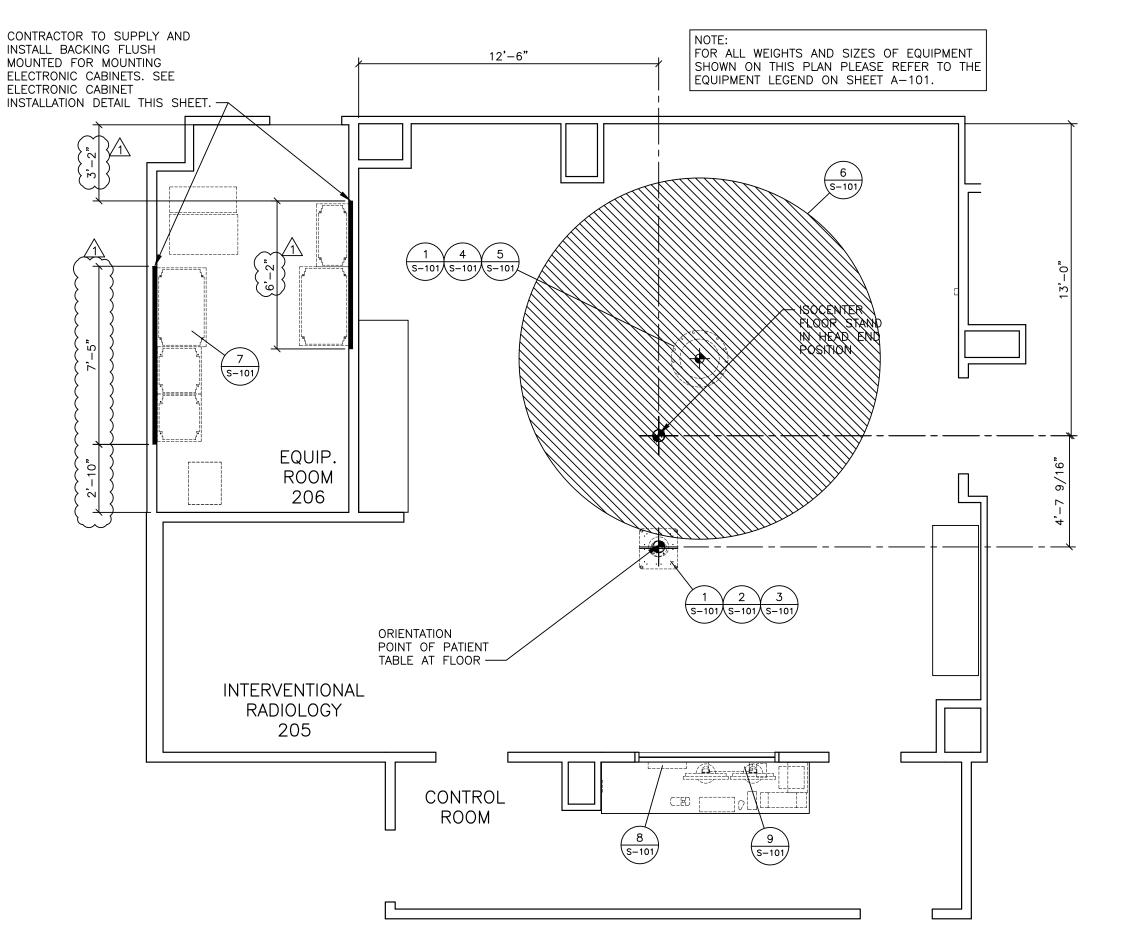
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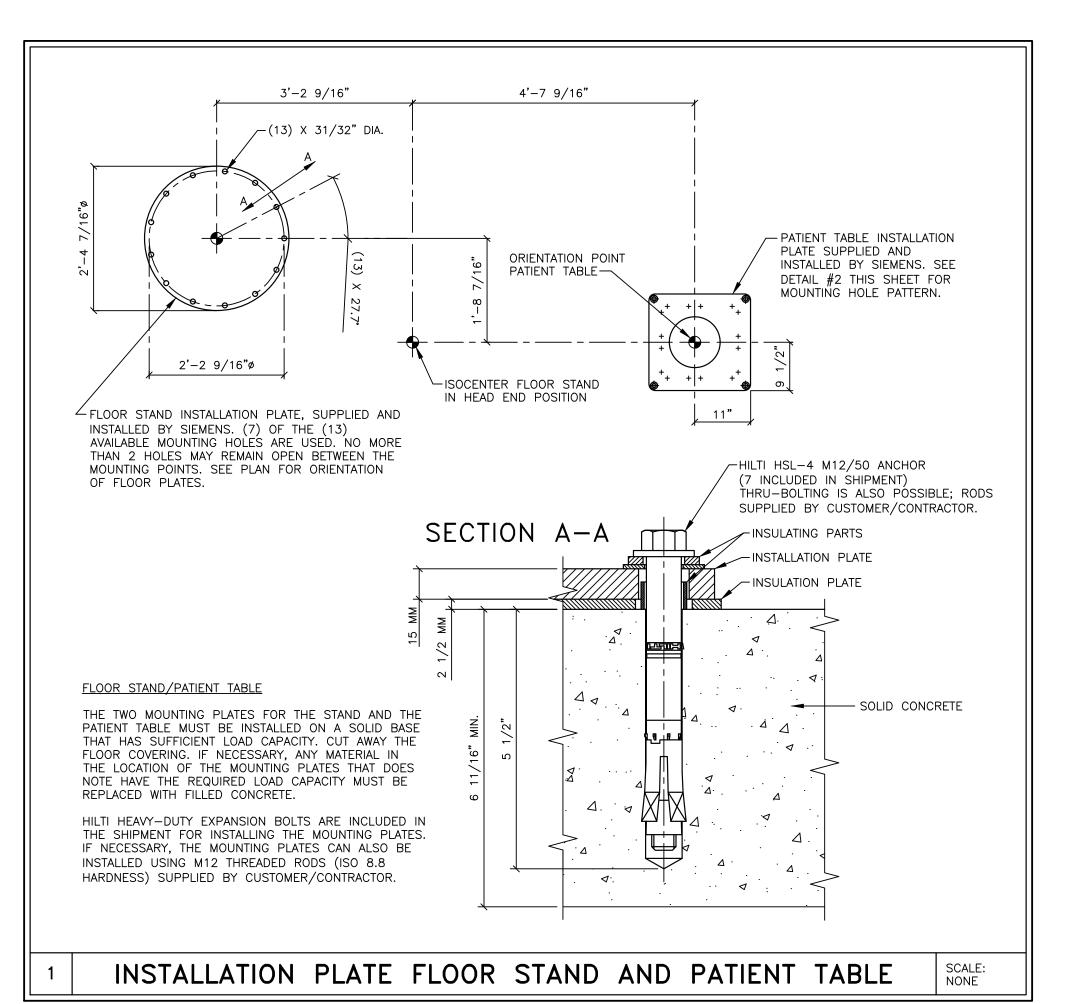
SCALE: 1/4" = 1'-0"

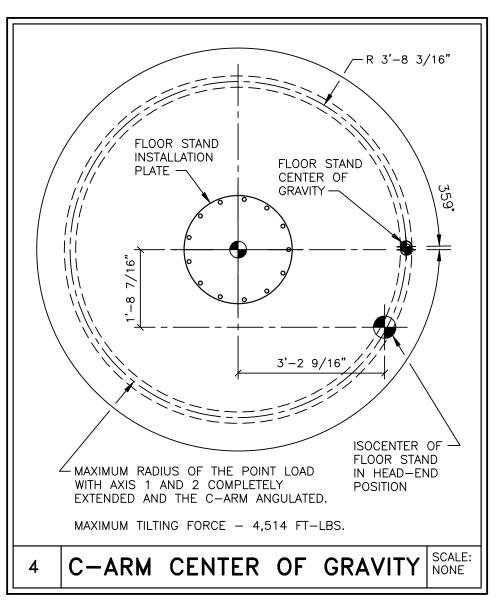
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PHYSICIST TO SPECIFY RADIATION PROTECTION.

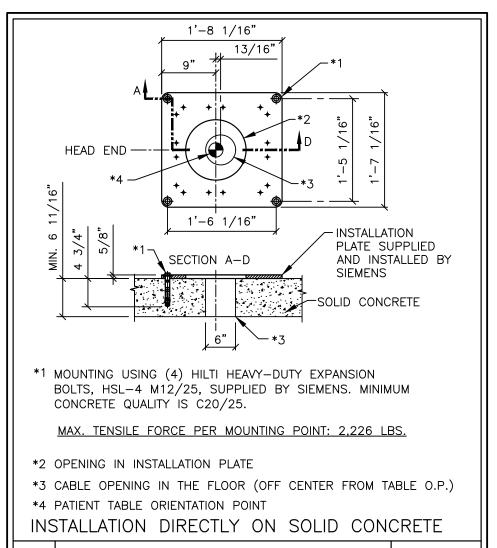


#### STRUCTURAL FLOOR PLAN

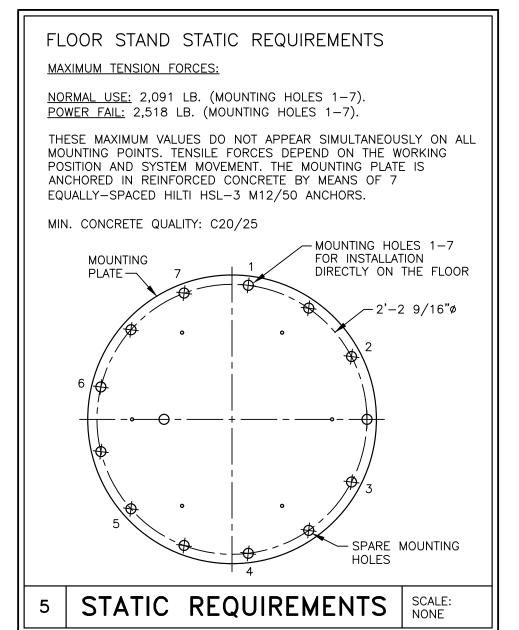


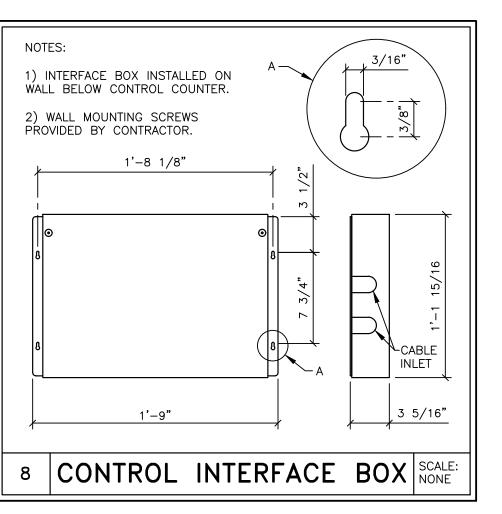


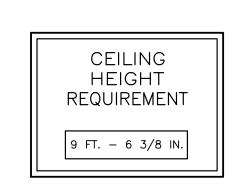
SCALE: 1/4" = 1'-0'

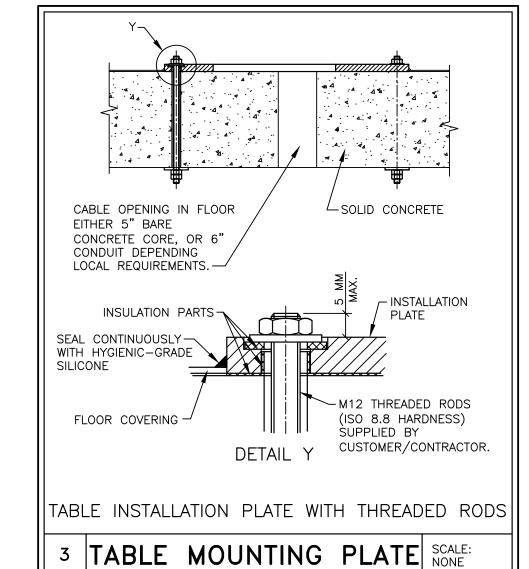


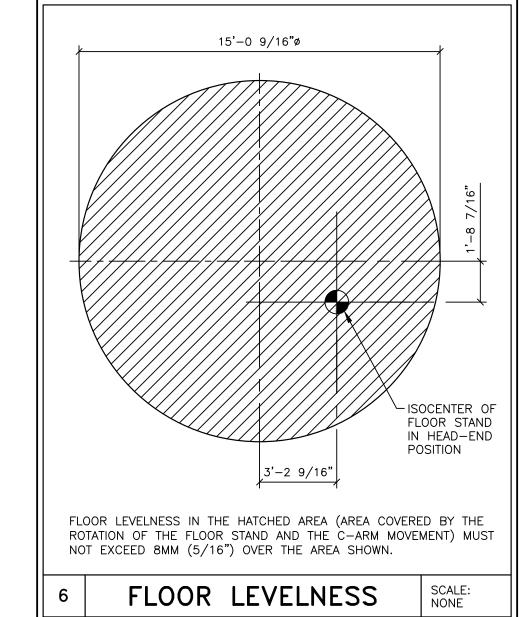
2 TABLE MOUNTING PLATE SCALE: NONE

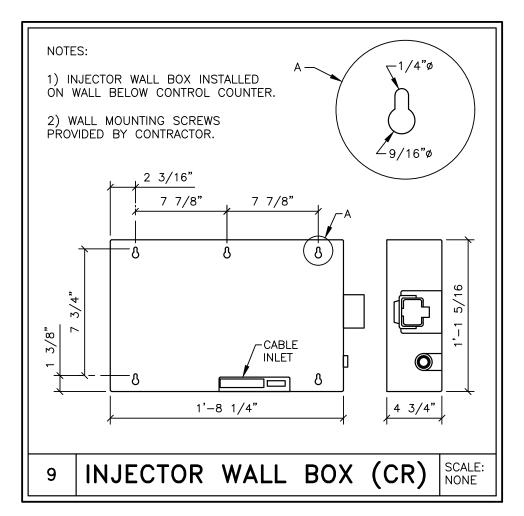












#### STRUCTURAL NOTES

) 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, LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET

WITH A TRANSIT. 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 UTILIZING ALTERNATE MOUNTING MATERIALS.

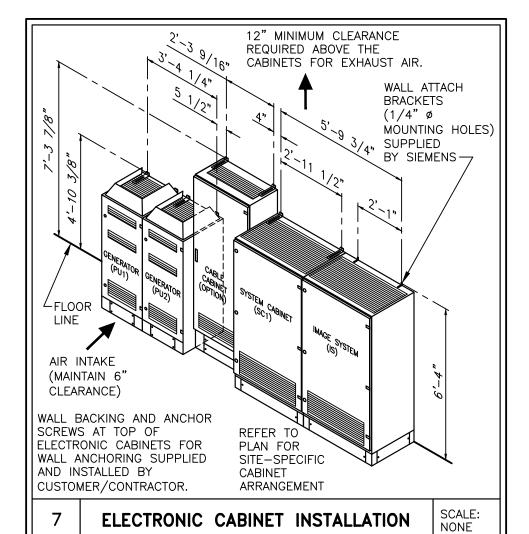
6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.

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. 10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION. ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE



				1	
		OX (CR) SCALE: NONE	WALL E	INJECTOR	9
ARTIS ICONO B REV. 2	•				
SIEMENS	KT: 84928	PROJECT MANAGER: CHARLES TEL: (732) 597-4829 VMAIL: (800) 753-6336 EX FAX: (732) 435-0488 EMAIL: CHARLES.VITELLO@SIEM			
0	OND MEDICAL 355 BARD AVE, STATEN ISLAND, NY 1037 BI PLANE LAB – ARTIS ICONO BIPLANE PE	RICHM			
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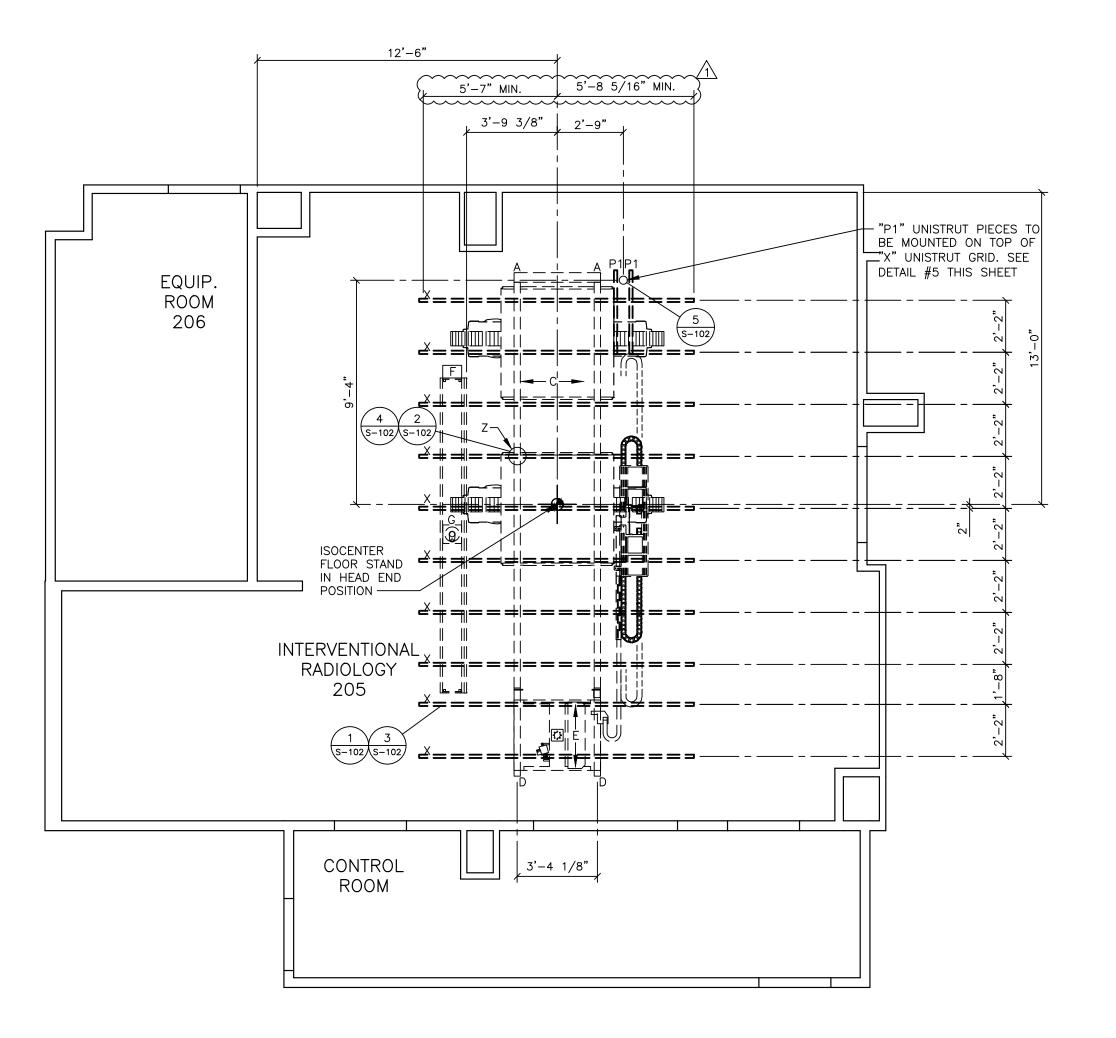
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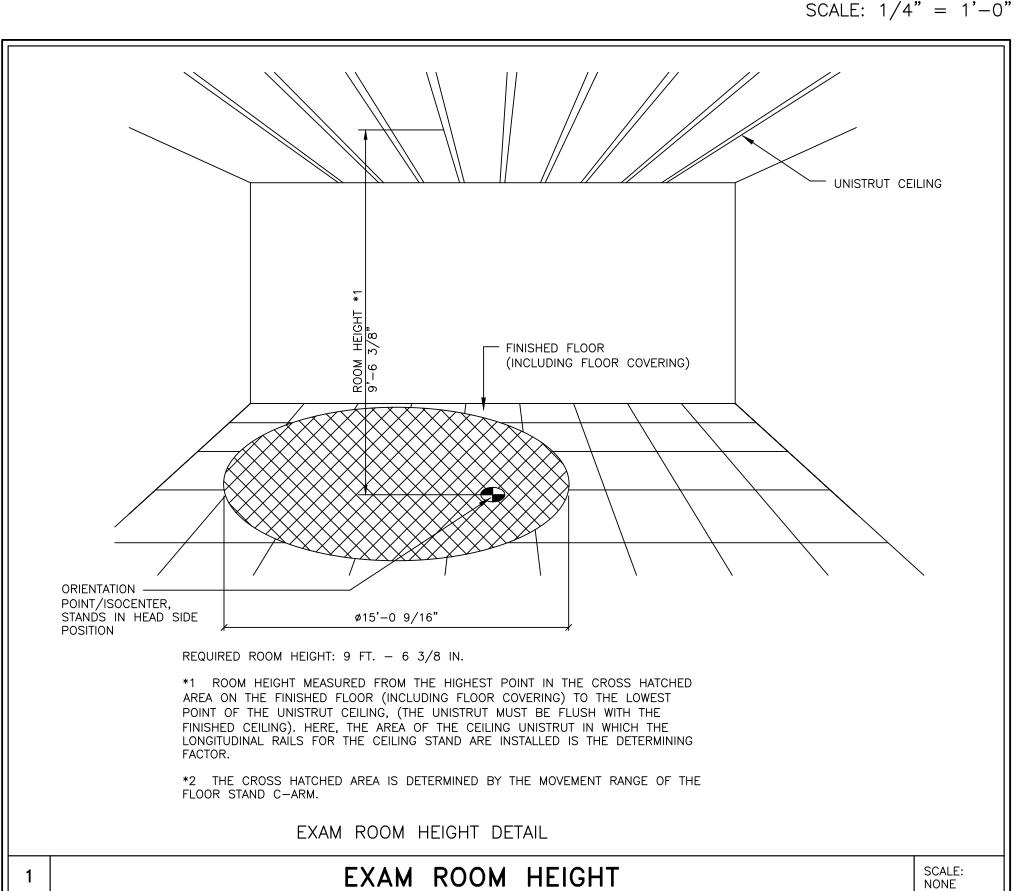
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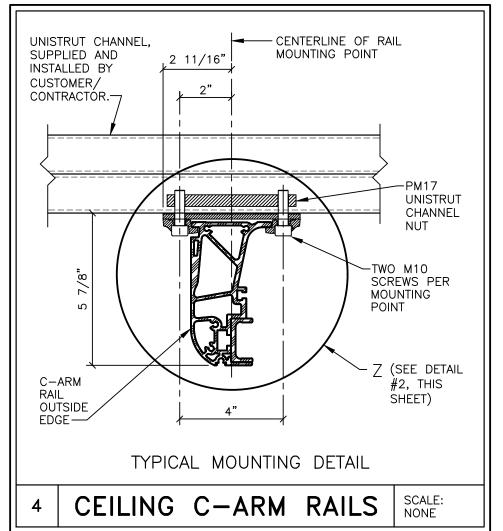
LEQUIPMENT ROOM REARRANGED THIS TITLE BLOCK WITHOUT CEILING UNISTRUTS EXTENDE SIEMENS AUTHORIZATION WILL 2310264 310264RB DATED 02/ RESULT IN PROSECUTION UNDER APPROVED BY CUSTOMER FÓR FÍNAL FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DESCRIPTION P. WOTORTS -ISSUE BLOCK-03/24/23 AS NOTED

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STRUCTURAL CEILING PLAN





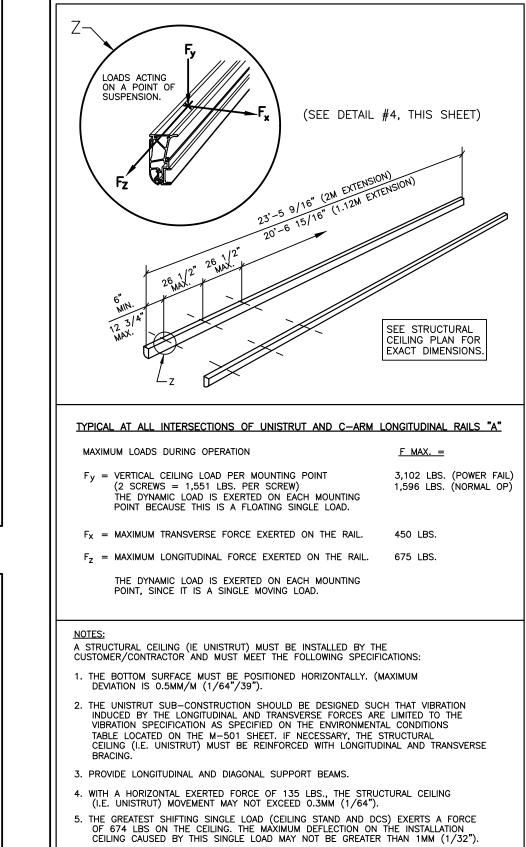
	CEILING PLAN LEGEND	
	SUPPLIED/INSTALLED BY SIEMENS	
SYM	DESCRIPTION	DET
Α	LONGITUDINAL RAILS ATTACHED TO UNISTRUT	2,4
С	CEILING STAND MOVES ALONG LONGITUDINAL RAILS	2,4
D	DCS RAILS ATTACHED TO UNISTRUT	2,4
E	DCS CARRIAGE MOVES ALONG LONGITUDINAL RAILS	2,4
F	RAD. SHIELD RAILS ATTACHED TO UNISTRUT	_
G	RADIATION SHIELD SUPPORT CARRIAGE MOVES ALONG RAILS	_
Z	LONGITUDINAL RAIL SUPPORT MOUNTING POINT BOLTED TO UNISTRUT FRAME	2,4
SUPI	PLIED/INSTALLED BY CUSTOMER/CONTRAC	TOR
SYM	DESCRIPTION	DET
X	P-1001 UNISTRUT (OR EQUIVALENT AS SPECIFIED BY STRUCTURAL ENGINEER OF RECORD) MOUNTED FLUSH WITH FINISHED CEILING. MUST BE LEVEL AS SPECIFIED BY SIEMENS ON STRUCTURAL NOTES AND DETAILS.	1,3
P1	CEILING OUTLET SUPPORTS	5
DET	STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE ALS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICE ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS.	ES

ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL

TO VERIFY THE INTEGRITY OF THAT SYSTEM.

BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT

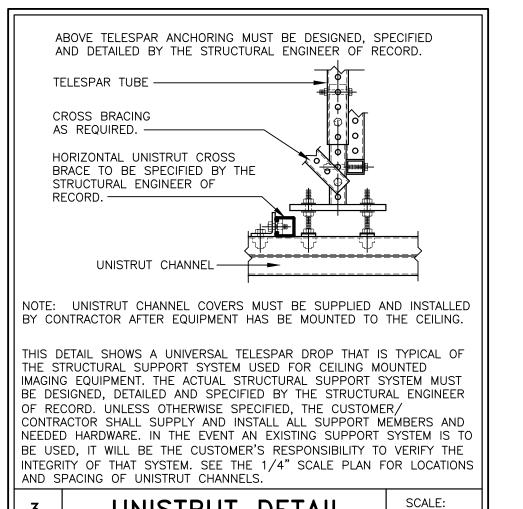
SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY



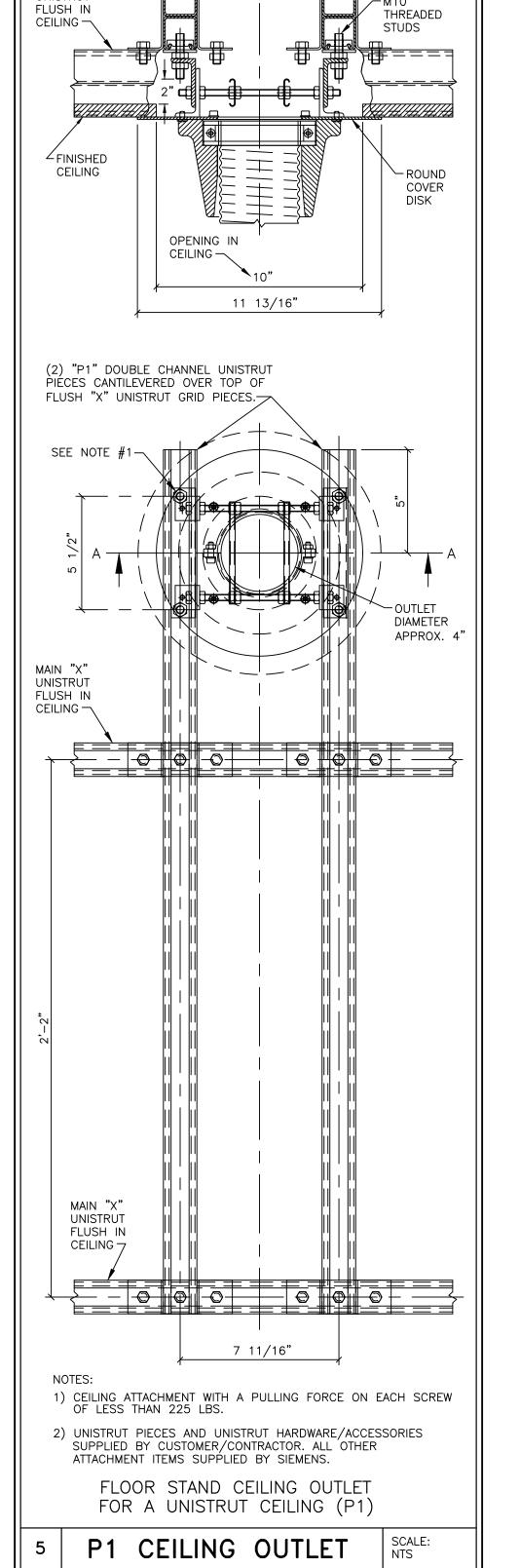
CEILING LOADS

NONE

NONE



UNISTRUT DETAIL



CHANNEL UNISTRUT.

SEE PLAN, THIS

SHEET, FOR

ORIENTATION.

SECTION A-A

UNISTRUT

CEILING HEIGHT REQUIREMENT 9 FT. - 6 3/8 IN.

ARTIS ICONO BIPLANE REV. 26 DJECT MANAGER: CHARLES VITELLO **SIEMENS** /MAIL: (800) 753-6336 EXT: 84928 (732) 435-0488 MAIL: CHARLES.VITELLO@SIEMENS-HEALTHINEERS.COM RICHMOND MEDICAL CENTER 355 BARD AVE, STATEN ISLAND, NY 10310 BI PLANE LAB - ARTIS ICONO BIPLANE PRO EQUIPMENT ROOM REARRANGE THE USE OR REPRODUCTION OF PROJECT #: 05/18/23 THIS TITLE BLOCK WITHOUT CEILING UNISTRUTS EXTENDE SIEMENS AUTHORIZATION WILL 2310264 2310264RB DATED 02/15, RESULT IN PROSECUTION UNDER APPROVED BY CUSTOMER FÓR FÍNAL FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DESCRIPTION P. WOTORTS -ISSUE BLOCK-03/24/23 AS NOTED

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- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED ATTENTION:

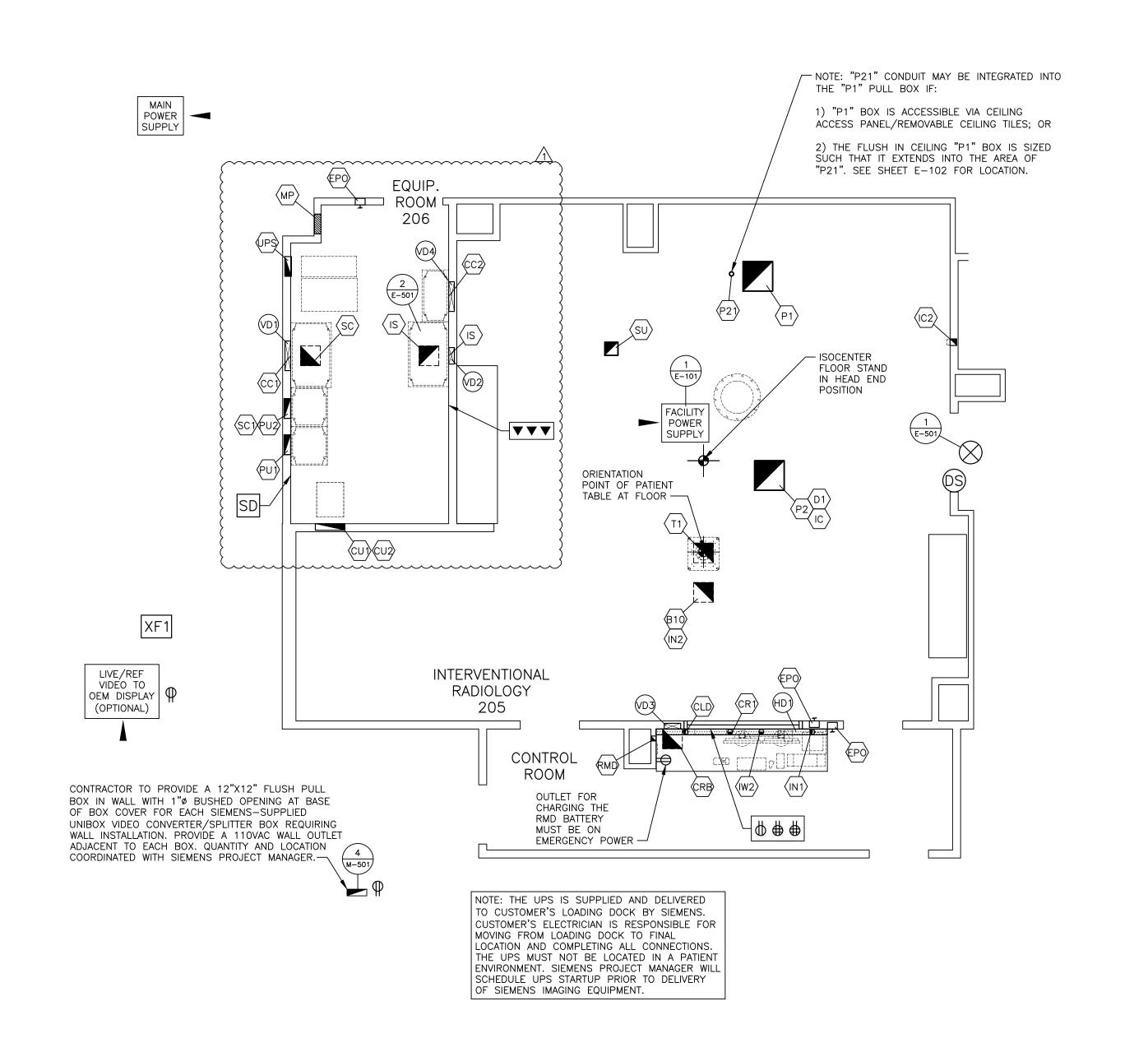
AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN

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

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1/2"ø CONDUIT FROM "XF1" TO "SC1" ("T1") (OPTIONAL TABLE POWER OUTLET) 2"ø CONDUIT FROM "VD2" (IS) TO "CUSTOMER MONITOR" (LIVE+REF TO OEM OPTION) CONDUIT FROM "VD1" (SC1) TO "VD2" (IS) 3"ø 3-WIRES, (2) #14 AWG (L,N) GROUND (<0.2 OHMS): #10 AWG (0-150 FT.) OR CABLE #6 AWG (150-300 FT.) — SPOOLER MAVIG TRACK -**FACILITY** POWER SUPPLY 14440512 / 14442475 MAVIG **LED EXAM LIGHT** (INTERNAL 28VDC TRANSFORMER) MAVIG LIGHT WIRING

CONDUIT LEGEND

CONDUIT FROM PANEL TO "MP"

CONDUIT FROM "MP" TO "PU1"

CONDUIT FROM "MP" TO "PU2"

CONDUIT FROM "SD" TO "SC1"

CONDUIT FROM "RMD" TO "UPS"

CONDUIT FROM "MP" TO "EPO"

CONDUIT FROM "EPO" TO "EPO'

CONDUIT FROM "SC1" TO "WL"

CONDUIT FROM "SC1" TO "DS"

CONDUIT FROM "MP" TO "XF1" (OPTIONAL)

CONDUIT FROM "P1" TO "VD1" (PU1)

CONDUIT FROM "P1" TO "VD1" (PU1)

CONDUIT FROM "P1" TO "VD1" (SC1)

CONDUIT FROM "P1" TO "VD1" (SC1)

CONDUITS FROM "SC1" TO "CR1"

CONDUIT FROM "VD1" (SC1) TO "CU1"

CONDUIT FROM "VD1" (SC1) TO "CU2"

CONDUIT FROM "VD1" (SC1) TO "D1"

CONDUIT FROM "P2" TO "VD1" (PU2)

CONDUITS FROM "P2" TO "VD1" (PU2)

CONDUITS FROM "P2" TO "VD1" (SC1)

CONDUIT FROM "VD1" (SC1) TO "VD3" (IW2)

CONDUIT FROM "VD3" TO "IC" (INTERCOM)

CONDUIT FROM "VD3" TO "IC2" (INTERCOM)

CONDUIT FROM "T1" TO "B10" UNDER FLOOR

CONDUIT FROM "CRB" TO "B10" UNDER FLOOR

CONDUIT FROM "P2" TO "VD1" (SC1)

CONDUIT REMOVED

UNITS TO INJECTOR HEAD)

CONDUITS FROM "VD2" (IS) TO "VD3" (CR1)

CONDUIT(S) FROM "VD2" (IS) TO CUSTOMER SOURCES

CONDUIT FROM "P2" TO "CU2" FOR LIQUID COOLING HOSES

CONDUIT FROM "CRB" TO "T1" (VOLCANO S5i CABLE SET FOR PHILIPS

CONDUIT FROM "CRB" (IN1) TO "IN2" UNDER FLOOR (INJECTOR POWER/CONTROL

CONDUIT FROM "VD2" (IS) TO "D1"

CONDUIT REMOVED

CONDUIT FROM "P21" TO "VD1" (SC1)

CONDUIT FROM 110V, 15A FACILITY POWER SOURCE TO "SU"

CONDUIT FROM "P1" TO "CU1" FOR LIQUID COOLING HOSES

CONDUITS FROM "VD2" (IS) TO "VD3" (CLD) (C-ROOM CUSTOMER LD INPUTS)

CONDUIT FROM "SC" (SC1) TO "T1" UNDER FLOOR

CONDUIT FROM "SC" (SC1) TO "T1" UNDER FLOOR

XFMR CABINET.

CABINET.

DESCRIPTION

SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR

CONDUIT FROM "MP" TO "UPS" WITH FLEX CONDUIT FROM UPS BOX TO UPS

CONDUIT FROM "UPS" TO "SD" WITH FLEX CONDUIT FROM UPS BOX TO OUTPUT

CONDUIT FROM "UPS" TO "EPO" WITH FLEX CONDUIT FROM UPS BOX TO UPS

SYM

(20)

(28)

(29)

(36)

SIZE

EC TO SIZE

3/4"ø

3/4"ø

3/4"ø

EC TO SIZE

2"ø

3"ø

4"ø

2"ø

2 1/2**"**ø

2 1/2"ø

(2) 3"ø

3"ø

4"ø

2"ø

2"ø

3"ø

2 1/2**"**ø

(2) 2**"**ø

(2) 3"ø

VARIES

3"ø

4"ø

(2) 2"ø

2 1/2**"**ø

3"ø

3"ø

3"ø

	SYMBOLS
	ALL MAY NOT APPLY
	CIRCUIT BREAKER 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
Н	(EPO) EMERGENCY POWER OFF BUTTON
7////	TRENCH DUCT
EEEE3	CEILING DUCT
	UNDER FLOOR DUCT
	SURFACE DUCT
$\boxtimes$	VERTICAL DUCT
<b>&gt;</b>	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER)
$\overline{+}$	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET
	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET

#### **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

REMARKS

SEE "POWER SCHEDULE"

TABLE POWER OUTLET

MAVIG LED EXAM LIGHT

MAX. CONDUIT LENGTH 34'

MAX. CONDUIT LENGTH 39'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 36'

MAX. CONDUIT LENGTH 50'

MAX. CONDUIT LENGTH 96'

MAX. CONDUIT LENGTH 34'

MAX. CONDUIT LENGTH 36'

MAX. CONDUIT LENGTH 36'

MAX. CONDUIT LENGTH 83'

MAX. CONDUIT LENGTH 83'

MAX. CONDUIT LENGTH 47'

MAX. CONDUIT LENGTH 63'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 105'

MAX. CONDUIT LENGTH 106'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 37'

MAX. CONDUIT LENGTH 91'

MAX. CONDUIT LENGTH 92'

MAX. CONDUIT LENGTH 52'

MAX. CONDUIT LENGTH 30'

MAX. CONDUIT LENGTH 67

MAX. CONDUIT LENGTH 67'

MAX. CONDUIT LENGTH 71'

MAX. CONDUIT LENGTH 94'

MAX. CONDUIT LENGTH 28'

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

INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO,

THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND

LIGHTS, WIRING, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND

DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS,

ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING

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 CIRCUITS.

PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE CUT IN FIELD ARE TO BE COORDINATED WITH THE DRAWING REQUIRMENTS 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 HIGHER THAN 14 FEET ABOVE FINISHED FLOOR. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL 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 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 OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE CUSTOMER/ELECTRICAL CONTRACTOR.

) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN TH 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.

#### CONDUIT LENGTH CALCULATIONS

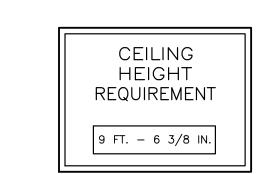
IF SITE-SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES, THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS

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

CONDUIT LENGTHS: VERTICAL DUCTS - 12'-0" FLOOR PENETRATIONS - 3'-0"

03/24/23

ARTIS ICONO BIPLAN



DJECT MANAGER: CHARLES VITELLO **SIEMENS** /MAIL: (800) 753-6336 EXT: 84928 732) 435-0488 MAIL: CHARLES.VITELLO@SIEMENS-HEALTHINEERS.COM RICHMOND MEDICAL CENTER 355 BARD AVE, STATEN ISLAND, NY 10310 BI PLANE LAB - ARTIS ICONO BIPLANE PRO EQUIPMENT ROOM REARRANGI THE USE OR REPRODUCTION OF PROJECT #: 5/18/23 THIS TITLE BLOCK WITHOUT CEILING UNISTRUTS EXTENDE SIEMENS AUTHORIZATION WILL 2310264 310264RB DATED 02/15 RESULT IN PROSECUTION UNDER APPROVED BY CUSTOMER FÓR FÍNAL FULL EXTENT OF THE LAW. ALL RIGHTS ARE RESERVED. DESCRIPTION P. WOTORTS -ISSUE BLOCK-

CPQ-486795/

AS NOTED

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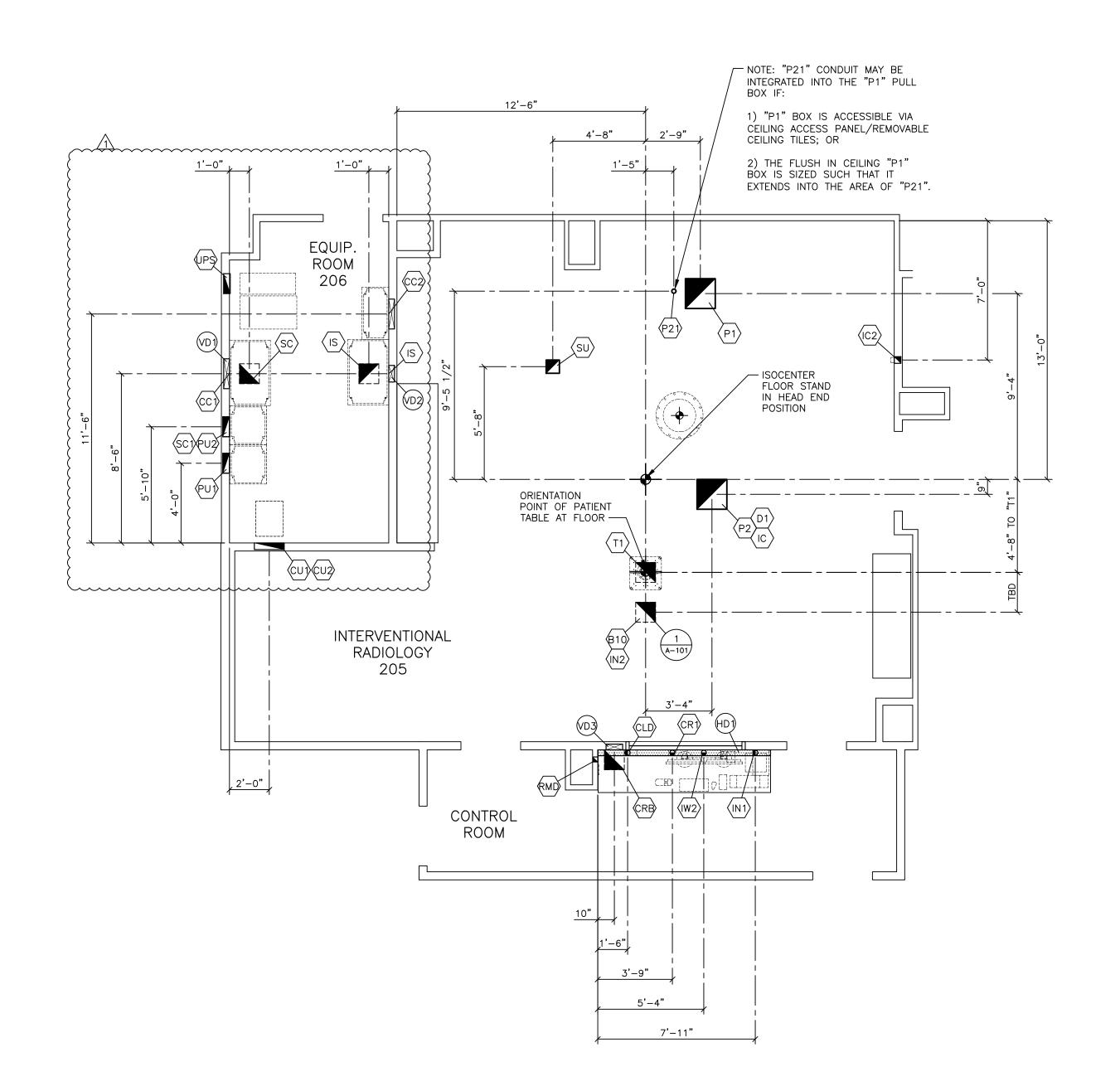
ELECTRICAL RACEWAY PLAN

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

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ELECTRICAL DIMENSION PLAN

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

SYM	SIZE	DESCRIPTION	REMARKS
		SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	
<b>(11)</b>	AS REQUIRED	PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM COVER. PROVIDE 3"Ø CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR. PROVIDE STAINLESS STEEL WATERPROOF PLATE ON TOP OF CORED OPENING IN FLOOR.	TABLE ACCESSORIES
	18" X 8"	BUSHED OPENING IN VERTICAL DUCT "VD1" COVER AT FLOOR LINE.	CABLE CABINET
	3"ø	BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".	C-ROOM LD INPUTS
(R)	3 <b>"</b> ø	BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".	CONTROL ROOM DISTRIBUT
(RB)	AS REQUIRED	PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM COVER. FOR A SINGLE CONDUIT CONNECTION TO THIS BOX, PROVIDE A 3" CONDUIT THRU FLOOR. FOR MULTIPLE CONDUIT CONNECTIONS, PROVIDE (2) 4" CONDUITS THRU FLOOR. E.C. TO DESIGN TRANSITION TO SURFACE FLOOR DUCT AS REQUIRED.	CONTROL ROOM BOX
@J\@J	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE FRONT COVER AND (1) 4"Ø BUSHING IN CENTER OF REMOVABLE COVER FOR CABLE EXIT. SEE PLAN FOR LOCATION.	TUBE COOLING UNITS
<b>(D1)</b>		FIXPOINT DESIGNATION, SAME PULL BOX / OPENING AS "P2".	DCS
<b>₽</b>		EMERGENCY OFF BUTTONS FOR CIRCUIT BREAKERS. EPO'S MUST PREVENT RESETTING OF CIRCUIT BREAKERS WHEN IN OFF POSITION. EPO'S MUST BE RECESSED OR SHIELDED. FINAL LOCATION DETERMINED BY CUSTOMER.	EMERGENCY POWER OFF
(C)		FIXPOINT DESIGNATION, SAME PULL BOX / OPENING AS "D1".	INTERCOM COMFORT MIC
<b>(</b> [2 <b>)</b>	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT A RECOMMENDED HEIGHT OF 6' AFF.	INTERCOM COMFORT SPEA
(NI)	3"ø	BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".	INJECTOR ELECTRONICS
(N2)		FIXED POINT DESIGNATION, SAME PULL BOX AS "B10".	TABLE INJECTOR
(W2)	3"ø	BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1".	OPERATION IN CONTROL F
₩P		MAIN PANEL WITH MAIN BREAKER. LOCATION DETERMINED BY CUSTOMER/CONTRACTOR. SEE "POWER SCHEDULE"	BREAKER PANEL
P)P2	AS REQUIRED	PULL BOX MOUNTED ABOVE FINISHED CEILING. PROVIDE REMOVABLE BOTTOM COVER WITH 8"Ø BUSHED OPENING. PROVIDE CORRESPONDING OPENING AT CEILING LINE.	FLOOR AND CEILING MOUI C-ARMS
<b>(21)</b>	2 1/2 <b>"</b> ø	CONDUIT STUB LOCATION FLUSH WITH FINISHED CEILING	CEILING STAND MOTOR
@\@\	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE FRONT COVER WITH 4"Ø BUSHED OPENING AT BOTTOM OF COVER.	GENERATORS
- (WD)	AS REQUIRED	SINGLE-GANG RJ45 JACK	UPS REMOTE DISPLAY
(D)	AS REQUIRED	FIXED POINT DESIGNATION, SAME PULL BOX AS "PU2".	SYSTEM CABINET
<u>\$</u>	AS REQUIRED	PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM COVER. PROVIDE 6"Ø CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR WITH BUSHING AT FLOOR LINE.	SYSTEM CABINET
<b>®</b>	30A	3-PHASE (PLUS N,G) 30A, 600V HD FUSIBLE SERVICE DISCONNECT LOCATED AT EYE-LEVEL, WITHIN 10' OF SIEMENS SYSTEM CABINET (SC1) AND 30A RK5 FUSES. SEE POWER SCHEDULE.	UPS SERVICE DISCONNECT
<b>⑤</b>	AS REQUIRED	PULL BOX MOUNTED ABOVE FINISHED CEILING. CONNECT 6 FOOT LONG FIXTURE WHIP, (EITHER 1/2" OR 3/8" GREENFIELD) TO BOX FOR TERMINATION TO SIEMENS EQUIPMENT AT CEILING LINE.	MAVIG LAMP
1	AS REQUIRED	PULL BOX MOUNTED BELOW FINISHED FLOOR WITH REMOVABLE BOTTOM COVER. PROVIDE 6"Ø CONDUIT FROM BOX TO FLUSH WITH FINISHED FLOOR WITH BUSHING AT FLOOR LINE.	TABLE
	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE FRONT COVER WITH 4"Ø BUSHED OPENING.	15KVA UPS
<b>(F)</b>	1.5KVA	STEP-DOWN TRANSFORMER. SEE POWER SCHEDULE.	XFMR FOR TABLE OUTLET
<b>(E)</b>	3 1/2" X 10"	HORIZONTAL DUCT MOUNTED ON FINISHED WALL AT FLOOR LINE. PROVIDE DUCT WITH REMOVABLE FRONT COVER. CONNECT TO VERTICAL DUCT "VD3" AS SHOWN.	HORIZONTAL WALL DUCT
		REMOVED	VEDTION SUCT
VD1 VD4)	3 1/2" X 18"	VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT FOR CONDUIT TRANSITIONS.	VERTICAL DUCT
(N2)	3 1/2" X 10"	VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT FOR CONDUIT TRANSITIONS.	VERTICAL DUCT
<b>(</b> 03)	3 1/2" X 10"	VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL ABOVE FINISHED CEILING. PROVIDE JUNCTION BOX (SIZED BY E.C.) AT TOP OF DUCT	VERTICAL DUCT

CEILING HEIGHT REQUIREMENT 9 FT. - 6 3/8 IN.

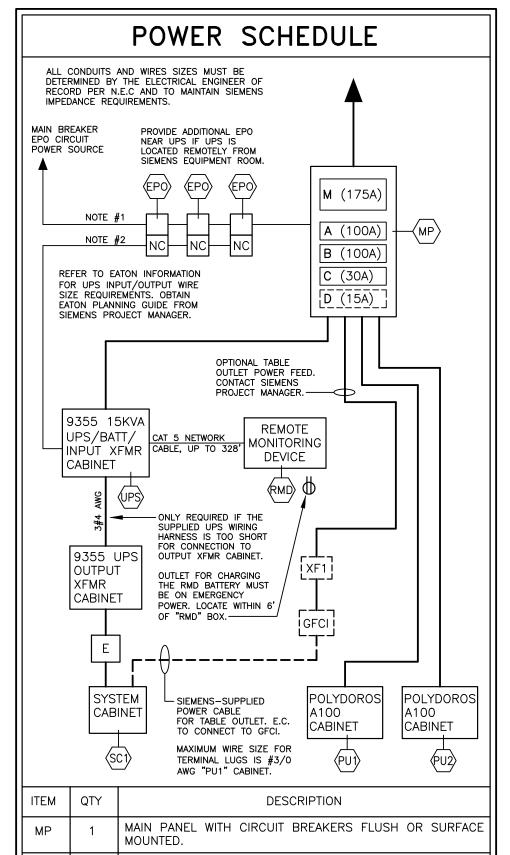
_				_			_	NLV. 20
				PROJECT MANAGER: CHARLES VITELL TEL: (732) 597-4829 VMAIL: (800) 753-6336 EXT: 8492 FAX: (732) 435-0488 EMAIL: CHARLES.VITELLO@SIEMENS-H	28	ı	SIEME	INS
					355 BARD AVE, STATE	DICAL IN ISLAND, NY 1031 S ICONO BIPLANE PR	0	ER
	<u>^</u>	05/18/23 03/24/23	EQUIPMENT ROOM REARRANGED CEILING UNISTRUTS EXTENDED 2310264RB DATED 02/15/23 APPROVED BY CUSTOMER FOR FINALS	THIS TITLE BLOCK WITHOUT	PROJECT #: <b>231</b> (	0264	SHEET:	$\overline{\cap}$
	SYM	DATE	DESCRIPTION	ALL RIGHTS ARE RESERVED.  SCALE: REF. #:	SHEET OF 8 DATE:	DRAWN BY: P. WOTORTSI	<b>□</b> -1	UZ
		-ISSU	E BLOCK-	AS NOTED   CPO-486795/3				

-THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED ATTENTION: AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

 $-\,\mbox{THIS}$  SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

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		I				
ITEM	QTY			DESCRIPTION	NC	
MP 1 MAIN PANEL WITH CIRCUIT BREAKERS FLUSH OR SURF MOUNTED.						
М	1	MAIN BREAK ANY EPO IS				
		MAIN BREAK	KER AMPS:	175		
		VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
		480/277Y	3	1	1	5 (NOTE 1)
Α	1	BREAKER A	MPS: 100	(FOR PU1	)	
		VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
		480Y	3	0	1	4 (NOTE 1)
В	1	BREAKER A	MPS: 100	(FOR PU2	2)	
		VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
		480Y	3	0	1	4 (NOTE 1)
С	1	BREAKER A	MPS: 30	(FOR SC1)		
		VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
		480/277Y	3	1	1	5 (NOTE 1)
D	1	BREAKER A	MPS: 15	(FOR STEP	-DOWN XF	MR "XF1")
		VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
		480	1 (L1,L2)	0	1	3

PHASE AND NEUTRAL TO BE THE SAME SIZE. GROUND SIZED PER NEC. NOTES: UNLESS OTHERWISE NOTED, ALL BREAKERS WILL BE 80% RATED MAIN AND FEEDER CIRCUIT BREAKERS SHALL BE SELECTIVELY COORDINATED ABOVE 0.10 SECONDS IN ACCORDANCE WITH NEC ARTICLES 517.3(C)(G),700.28 AND 701.27

3-PHASE (PLUS N,G) 30A, 600V HD FUSIBLE SERVICE DISCONNECT LOCATED AT EYE-LEVEL, WITHIN 10' OF SIEMENS SYSTEM CABINET (SC1) AND 30A RK5 FUSES.

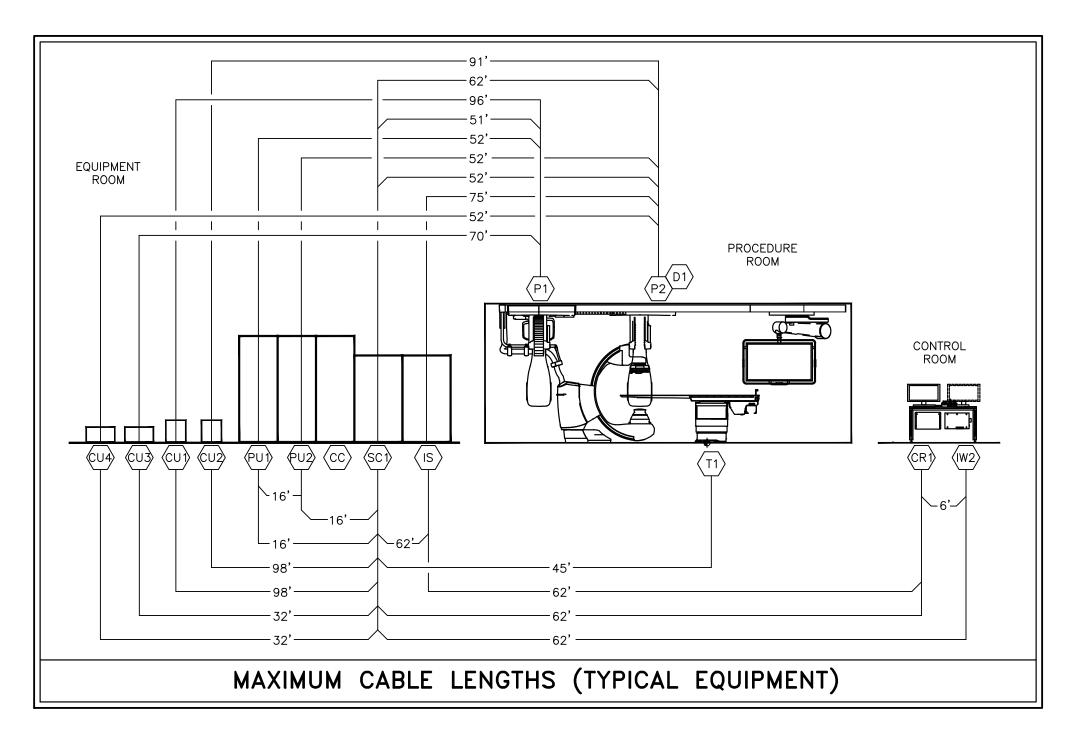
XF1 1.5kVA, 480V PRIMARY, 120V GROUNDED SECONDARY STEP-DOWN SINGLE-PHASE TRANSFORMER WITH PRIMARY AND SECONDARY FUSE PROTECTION FOR TABLE OUTLET POWER, CONNECTED TO AN ADJACENT FLUSH WALL-MOUNTED 15A, 125VAC UL 943 GFCI WITH BLANK FACE (NO CONTACT OPENINGS OR NEMA CONFIGURATION) WITH LED INDICATION, PUSH-TO-TEST AND PUSH-TO-RESET BUTTONS, AND A CLEAR LEXAN HINGED COVER TO AVOID INADVERTENT MANUAL TRIP.

EPO VARIES NOTE 1 - EPO CIRCUIT #1 MAIN CIRCUIT BREAKER EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER THAT PREVENTS ACCIDENTAL ACTIVATION. THE EPO MUST BE OF FAIL-SAFE DESIGN. ALL EPO'S TO HAVE  $\underline{\mathsf{MECHANICAL}}$  LATCHING  $\underline{\mathsf{MECHANISM}}$ . EPO MUST BE RESET BEFORE MAIN BREAKER CAN RESUME OPERATION. CONTACTS AND WIRING CONFIGURATION TO BE DESIGNED BY ELECTRICAL ENGINEER OF RECORD.

> NOTE 2 - EPO CIRCUIT #2 EPO CONTACTS TO BE <u>NORMALLY CLOSED</u>, WIRED IN SERIES, CONNECTED TO 9355 UPS ONLY.

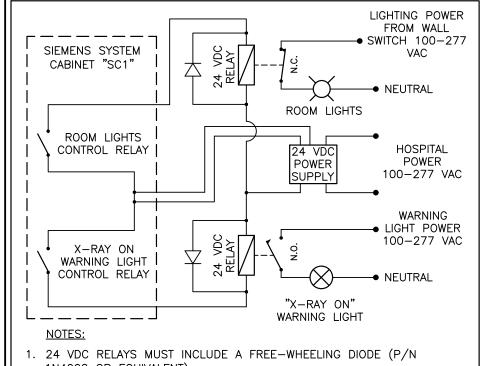
THE EPOS MUST BE INSTALLED BY A QUALIFIED ELECTRICAL CONTRACTOR ACCORDING TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS. MEASURES SHOULD BE TAKEN TO DESIGN THE CIRCUIT IN SUCH A WAY THAT IT WILL ALWAYS WORK WHEN THE MEDICAL EQUIPMENT IS POWERED. THE CUSTOMER IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPOs AND THEIR ASSOCIATED CIRCUITS AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.

ALL ITEMS LISTED IN THIS SCHEDULE SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.



# TABLE POWER OUTLET SAFETY

NOTE: LIFE-SUSTAINING EQUIPMENT MUST NOT BE CONNECTED TO THE TABLE POWER OUTLET (IF INSTALLED) IN THE SIEMENS PATIENT TABLE. POWER WILL BE DISCONNECTED IF EPO BUTTON IS PRESSED.



- 1N4002 OR EQUIVALENT).
- ALL ITEMS PROVIDED BY CUSTOMER ELECTRICAL CONTRACTOR EXCEPT CONTACTS INSIDE SIEMENS "SC1" CABINET (ITEMS INSIDE DOTTED
- ALL WIRING THAT CONNECTS TO SIEMENS "SC1" CABINET MUST BE 14-18 AWG STRANDED WIRE.
- . ONLY 3 WIRES LABELED "24 VDC", "ROOM LIGHTS" AND "X-RAY ON" SHOULD BE SENT TO SIEMENS "SC1" CABINET.
- 5. 24 VDC RELAYS ARE TO BE SELECTED BY ELECTRICAL CONTRACTOR TO HANDLE THE VOLTAGE AND AMPERAGE OF LIGHTING CURCUIT.
- 6. IF NEEDED, A SWITCH TO BLOCK RADIATION CAN BE INSTALLED IN SERIES WITH THE DOOR CONTACT.

\* PLAN THE SWITCH SO THAT UNINTENTIONAL OPERATION IS NOT

- \* THE SWITCH (24 VDC / 20 MA) MUST BE PROVIDED ON SITE. \* CONTROL USING +24 V FROM THE SYSTEM CONTROL CABINET
- \* THE SWITCH MUST BE PROVIDED WITH AN APPROPRIATE SYMBOL (OR DESIGNATION) FROM WHICH THE FUNCTION CAN BE RECOGNIZED.

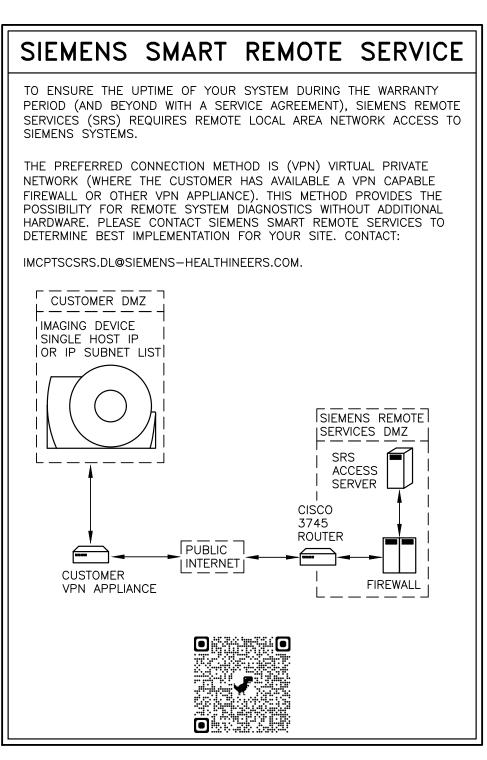
WARNING LIGHT/ROOM LIGHT SCHEMATIC SCALE: NONE

LIGHTING DETAIL

# POWER QUALITY

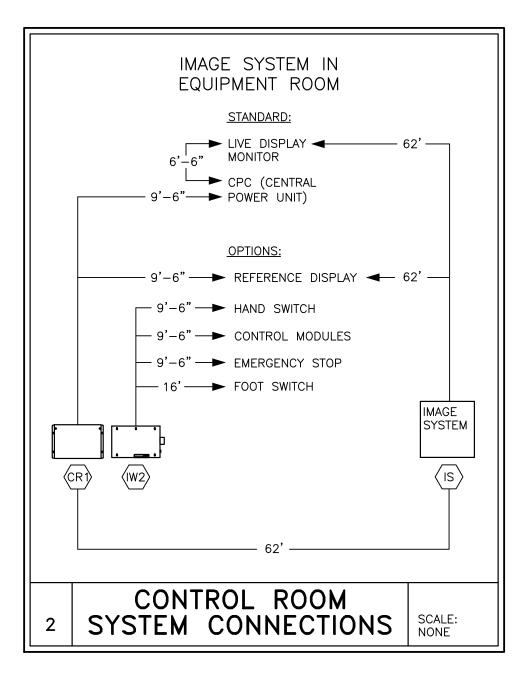
POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

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.



### NETWORK REQUIREMENT

A GIGABIT NETWORK IS REQUIRED FOR ADEQUATE IMAGE DATA TRANSFER SPEED BETWEEN THE IMAGER AND 3D RECONSTRUCTION WORKSTATION. WORKFLOW AND CLINICAL NEEDS DEMAND 3D IMAGES BE AVAILABLE FOR REVIEW BY CLINICAL STAFF IMMEDIATELY UPON ACQUISITION.



#### CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED

CONTRACTOR SUPPLIED CABLES							
FROM	VIA	то	DESCRIPTION	REMARKS			
PANEL	1	MP	ELECTRICAL CONTRACTOR TO SIZE PLUS GROUND	SEE "POWER SCHEDULE"			
MP	2	PU1	3#2, 1#2 GROUND AND CONNECT	SEE "POWER SCHEDULE"			
MP	3	PU2	3#2, 1#2 GROUND AND CONNECT	SEE "POWER SCHEDULE"			
MP	4	UPS	ELECTRICAL CONTRACTOR TO SIZE	SEE "POWER SCHEDULE"			
UPS	5	SD	ELECTRICAL CONTRACTOR TO SIZE PLUS GROUND	SEE "POWER SCHEDULE"			
SD	6	SC1	ELECTRICAL CONTRACTOR TO SIZE PLUS GROUND (MAX #6 AWG)	SEE "POWER SCHEDULE"			
UPS	7	EPO	2#12	SEE "POWER SCHEDULE"			
RMD	8	UPS	CAT 5 NETWORK CABLE, UP TO 328'	SEE "POWER SCHEDULE"			
MP	9	EPO	2#12	SEE "POWER SCHEDULE"			
EPO	10	EPO	4#12, PLUS GROUND	SEE "POWER SCHEDULE"			
SC1	11	WL	14-18 AWG	SEE "LIGHTING DETAIL" SHEET E-501			
SC1	12	DS	24V SIGNAL, 2#14-18 AWG				
MP	13	XF1	EC TO SIZE (OPTIONAL TABLE POWER OUTLET)	SEE "POWER SCHEDULE"			
PANEL	14	SU	110V / 15A, 3-WIRES, 2#14 (L,N), PLUS GROUND #10 AWG (0-150') OR #6 AWG (150-300' MAX LENGTH). SEE DETAIL 1, SHEET E-101	MAVIG LED EXAM LIGHT			

FROM	VIA	то	DESCRIPTION	REMARKS
P1	15,VD1	PU1		MAXIMUM LENGTH 52'
P1	16,VD1	PU1	(2) HIGH VOLTAGE CABLES	MAXIMUM LENGTH 57'
P1	17,VD1	SC1		MAXIMUM LENGTH 52'
P1	18,VD1	SC1		MAXIMUM LENGTH 51'
P21	19,VD1	SC1		MAXIMUM LENGTH 65'
P1	20	CU1	LIQUID COOLING HOSES (TUBE COOLER)	MAXIMUM LENGTH 96'
_		_	CONNECTION REMOVED	MAXIMUM LENGTH 70'
SC1	VD1,22,VD3,HD1	CR1	FOR CONTROL ROOM OPTIONS, MODULES, FOOT SWITCH	MAXIMUM LENGTH 62'
SC1	SC,23	T1		MAXIMUM LENGTH 45'
SC1	SC,24	T1		MAXIMUM LENGTH 45'
SC1	VD1,25	CU1		MAXIMUM LENGTH 98'
SC1	VD1,26	CU2		MAXIMUM LENGTH 98'
SC1	ROUTE UNDER CABINETS	PU1		MAXIMUM LENGTH 16'
SC1	VD1,47,VD2	IS	62' CABLES SELECTABLE ON FACTORY CHECKLIST	MAXIMUM LENGTH 62'
SC1	VD1,27	D1		MAXIMUM LENGTH 62'
IS	VD2,28	D1		MAXIMUM LENGTH 75'
IS	VD2,29,VD3,HD1	CR1		MAXIMUM LENGTH 62'
IS	VD2,30,VD3,HD1	CLD	CUSTOMER LD INPUTS IN CONTROL ROOM	MAXIMUM LENGTH 118'
IS	VD2,31	CUSTOMER SOURCES	CUSTOMER LD INPUTS IN PROCEDURE ROOM	MAXIMUM LENGTH 118'
P2	32,VD1	PU2		MAXIMUM LENGTH 52'
P2	33,VD1	PU2	HIGH VOLTAGE CABLES	MAXIMUM LENGTH 52'
P2	34,VD1	SC1		MAXIMUM LENGTH 52'
P2	35,VD1	SC1		MAXIMUM LENGTH 52'
P2	36	CU2	LIQUID COOLING HOSES (TUBE COOLER 2)	MAXIMUM LENGTH 91'
_		_	CONNECTION REMOVED	MAXIMUM LENGTH 52'
PU2	ROUTE UNDER CABINETS	PU1		MAXIMUM LENGTH 16'
PU2	ROUTE UNDER CABINETS	SC1		MAXIMUM LENGTH 16'
CRB	38	T1	VOLCANO S5i CABLE SET FOR PHILIPS INTRASIGHT IVUS SYSTEM	MAXIMUM LENGTH 98'
IN1	HD1,CRB,39	IN2	INJECTOR POWER/CONTROL UNITS TO INJECTOR HEAD	MAXIMUM LENGTH 65'
SC1	VD1,40,VD3,HD1	IW2	2ND OPERATION IN CONTROL RM (HANDSWITCH, INJECTOR, ETC.)	MAXIMUM LENGTH 62'
IN1	HD1	CR1	INJECTOR POWER UNIT CABLE PLUGGED INTO CR1 BOX	MAXIMUM LENGTH 16'
CR1	HD1,VD3,41	IC	INTERCOM PROCEDURE ROOM MICROPHONE	MAXIMUM LENGTH 82'
CR1	HD1,VD3,42	IC2	INTERCOM PROCEDURE ROOM LOUDSPEAKER	MAXIMUM LENGTH 82'
T1	43	B10		
CRB	44	B10	CORINDUS UPGRADES, CUSTOMER PATIENT MONITORING, ETC.	
XF1	45	T1	OPTIONAL TABLE POWER OUTLET	MAXIMUM LENGTH 91'
IS	VD2,46	CUSTOMER MONITOR	LIVE+REF VIDEO INTERFACE TO OEM OPTION	MAXIMUM LENGTH 106'

IN CABLE DUCTS OR CABLE CONDUITS.

			PROJECT MANAGER: CHARLES VITELLO TEL: (732) 597-4829 VMAIL: (800) 753-6336 EXT: 8492 FAX: (732) 435-0488 EMAIL: CHARLES.VITELLO@SIEMENS-HE	28		SIEMEN	15
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				355 BARD AVE, STATE BI PLANE LAB — ARTI			
<u>√</u>	05/18/23	EQUIPMENT ROOM REARRANGED CEILING UNISTRUTS EXTENDED	THIS TITLE BLOCK WITHOUT	PROJECT #:		SHEET:	
$\triangle$	03/24/23	2310264RB DATED 02/15/23 APPROVED BY CUSTOMER FOR FINALS	SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.	2310	0264		1
SYM	DATE	DESCRIPTION	ALL RIGHTS ARE RESERVED.	SHEET OF 8	DRAWN BY:		

CPQ-486795/3

AS NOTED

-ISSUE BLOCK-

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POWER REQUIREMENTS

IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN OPERATING

CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE

X-RAY GENERATORS (PU1 & PU2) MOMENTARY 162 KVA EACH &

POWER QUALITY PARAMETERS

± 1 HZ

MAXIMUM LINE VOLTAGE VARIATION ±10% OF SYSTEM VOLTAGE

1. INCOMING POWER SUPPLIES FOR SIEMENS EQUIPMENT SHOULD

ANY OTHER EQUIPMENT SUCH AS ELEVATORS, GENERATORS, HVAC

162KVA. GENERATORS ALTERNATE DURING EXPOSURE INITIATION.

BE DEDICATED (BACK TO SOURCE), ISOLATED AND INSULATED FROM

2. SIEMENS HEALTHCARE REQUIRES THAT THE INCOMING POWER MEETS

3. TOTAL POWER CONSUMPTION OF THE TWO GENERATORS IS MAXIMUM

GROUNDING NOTES

EQUIPMENT GROUNDING CONDUCTOR TO COMPLY WITH THE

1) SIZE GROUNDING WIRE TO SIEMENS EQUIPMENT PER

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

ACCEPTABLE TO HAVE <500mA DURING OPERATION OF THE

UPS BACKUP REQUIREMENT

IF A SIEMENS TILTING/O.R. TABLE IS PURCHASED, A UPS PROVIDING

A TILTING/O.R. TABLE TO BE MOVED TO A ZERO DEGREE TILT

POSITION DESIGNATED FOR CPR WITHIN 15 SECONDS. IF THE

OPERATIONAL AT THE TIME OF THE SIEMENS IMAGING SYSTEM

TABLE MOVEMENT IS REQUIRED. IF NOT PURCHASED FROM SIEMENS, IT

IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE A UPS THAT ALLOWS

CUSTOMER OR SIEMENS-SUPPLIED UPS SOLUTION IS NOT INSTALLED AND

INSTALLATION, SIEMENS CANNOT AND WILL NOT TURNOVER THE AFFECTED

OR MAIN DISTRIBUTION PANEL FEEDING THE SIEMENS

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

CONTINUITY OVER THE LIFE OF THE INSTALLATION.

2) DERIVED FROM THE ELECTRICAL SERVICE, TRANSFORMER

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

VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND

REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

X-RAY GENERATORS (PU1 & PU2) LONG-TIME 14 KVA

WIRING SYSTEM:

MINIMUM POWER SUPPLY:

RATING: (FLUOROSCOPY)

LINE IMPEDANCE

PHASE IMBALANCE:

FOLLOWING:

EQUIPMENT.

PHASE CONDUCTORS.

IMAGING EQUIPMENT.

SIEMENS SYSTEM!

FREQUENCY VARIATION:

POWER SUPPLY NOTES:

RATING: (RADIOGRAPHIC EXPOSURE)

SYSTEM CABINET (SC1) LONG-TIME

THE POWER QUALITY REQUIREMENTS.

POWER SCHEDULE REQUIREMENTS.

WITH THE NEC REQUIREMENTS.

480Y/277V, 3 PHASE, 5-WIRE, 60 HZ.

 $\leq$  125 m $\Omega$  (A100 GENERATOR)

 $\leq$  400 m $\Omega$  (ACX GENERATOR)

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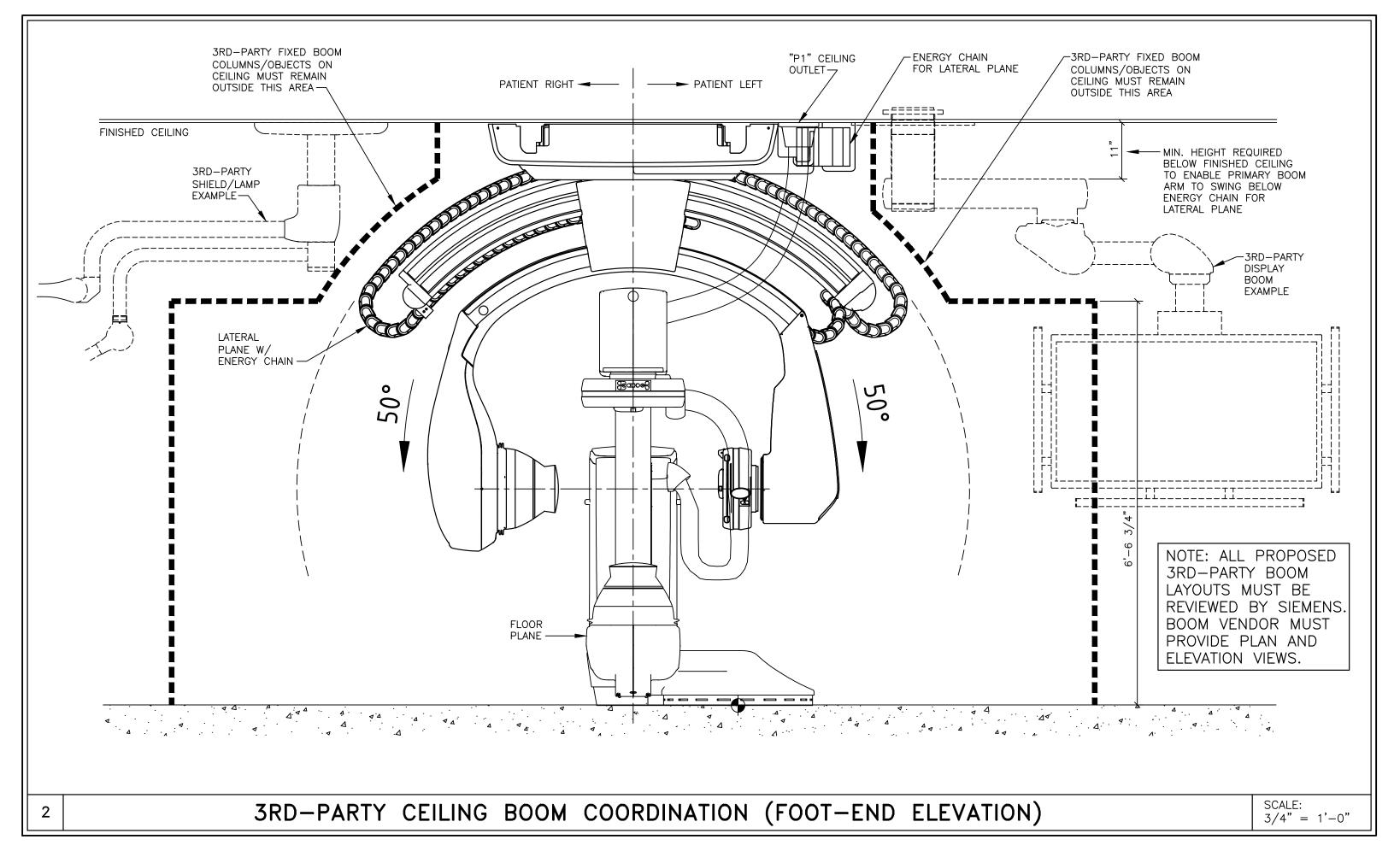
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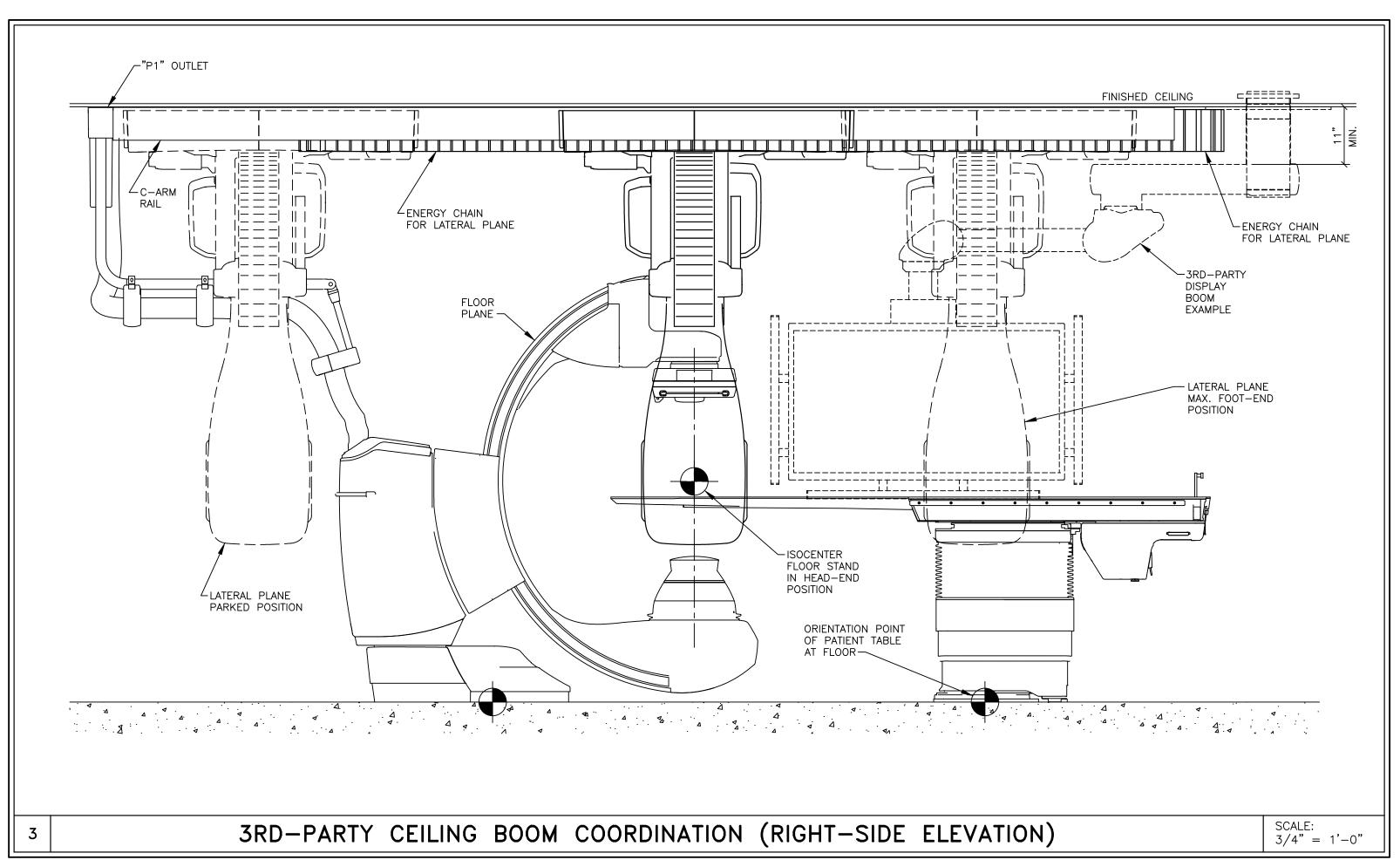
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03/24/23

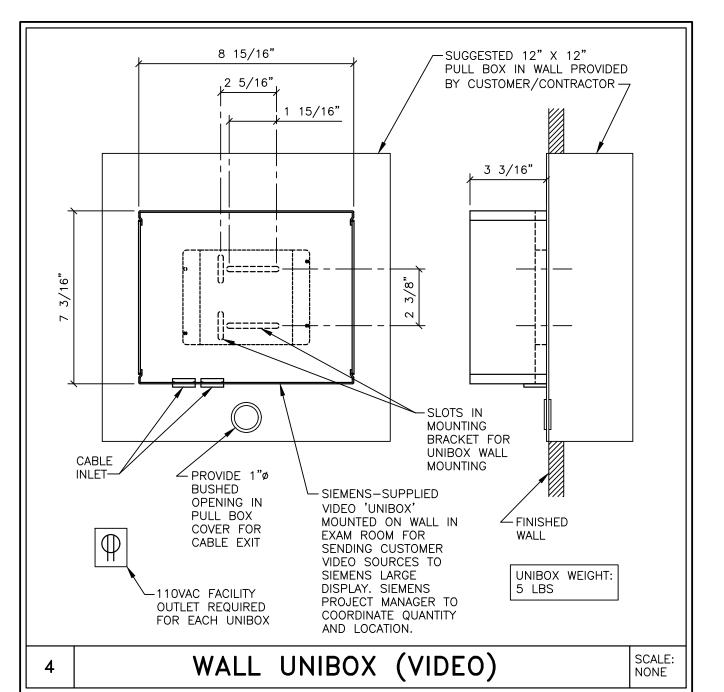
ARTIS ICONO BIPLANE

REV. 26

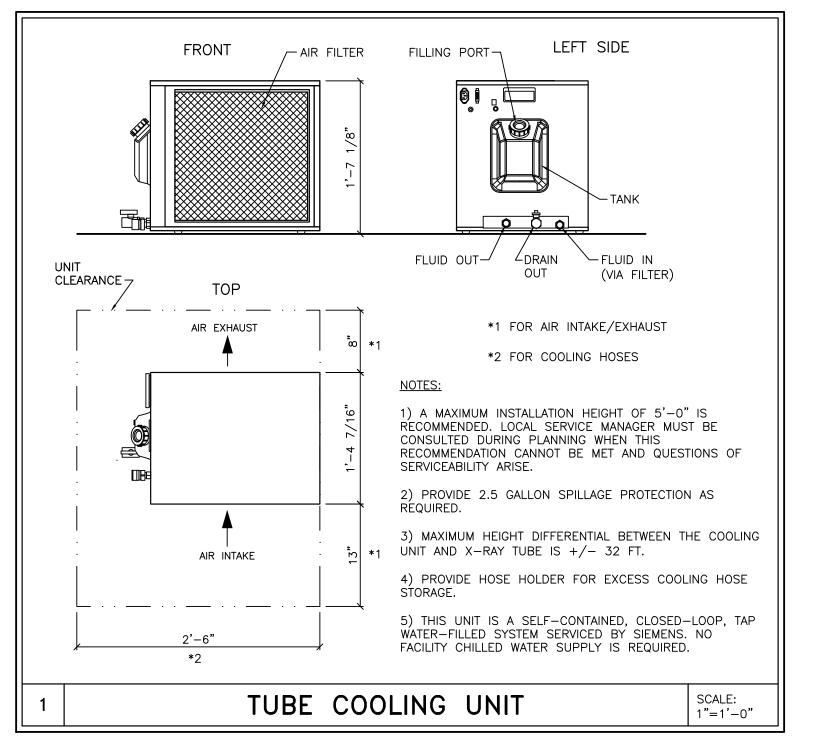




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ENVIRONMENTAL CONDITIONS					
GENERAL SPECS FOR:  PROCEDURE ROOM CONTROL ROOM EQUIPMENT ROOM	TEMPERATURE RANGE: RELATIVE HUMIDITY: MAX. TEMP. GRADIENT: BAROMETRIC PRESSURE:	59°F-86°F 20%-75% NON CONDENSING 9° F/HR 70-106 kPA			
ATIS IMAGE SYSTEM	509 CFM 53 dB(A)				
GENERATORS (PU1/PU2)	AIR FLOW VOLUME: MAX. NOISE GENERATION:	94 CFM 53 dB(A) 392 CFM 55 dB(A) 392 CFM 55 dB(A)			
SYSTEM CONTROL CABINET (SC1)	AIR FLOW VOLUME: MAX. NOISE GENERATION:				
TUBE COOLING UNITS (EACH)	AIR FLOW VOLUME: MAX. NOISE GENERATION:				
FLOOR STAND	SHOCKS: VIBRATIONS: MAX. NOISE GENERATION:	MAXIMUM 10G/16MS MAXIMUM 0.1G/10-200 HZ <55 dB(A)			
CEILING STAND	SHOCKS: VIBRATIONS: MAX. NOISE GENERATION:	MAXIMUM 10G/16MS MAXIMUM 0.1G/10-200 HZ <55 dB(A)			



HEAT LOADS

FOR BTU'S OF SEIMENS EQUIPMENT, REFER TO THE EQUIPMENT LEGEND, SHEET A-101.

CEILING HEIGHT REQUIREMENT 9 FT. - 6 3/8 IN.

_										REV. 26
				TEL: (732) 597 VMAIL: (800) 753 FAX: (732) 435	R: CHARLES VITELLC -4829 -6336 EXT: 8492 -0488 TELLO@SIEMENS-HE	8	RS.COM		SIEME	ENS
				RICI	3	55 BARD	AVE, STATE	DICAL EN ISLAND, NY 1031 IS ICONO BIPLANE PR	0	ER
	$\triangle$	05/18/23	EQUIPMENT ROOM REARRANGED CEILING UNISTRUTS EXTENDED	THIS TITLE B	EPRODUCTION OF LOCK WITHOUT		ECT #:		SHEET:	
	$\triangle$	03/24/23	2310264RB DATED 02/15/23 APPROVED BY CUSTOMER FOR FINALS	RESULT IN PROS	ORIZATION WILL SECUTION UNDER OF THE LAW.	2	310	0264	N / K	<b>N1</b>
	SYM	DATE	DESCRIPTION	ALL RIGHTS A	RE RESERVED.	SHEET 8	OF 8	DRAWN BY: P. WOTORTSI		VI
		-ISSU	E BLOCK—	SCALE: AS NOTED	REF. #: CPO-486795/3	DATE: 0	3/24/23			

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