

ARTIS ZEE FLOOR

TYPICAL DRAWING / ARTIS ZEE FLOOR



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ARTIS ZEE FLOOR

TYPICAL DRAWING / ARTIS ZEE FLOOR ●

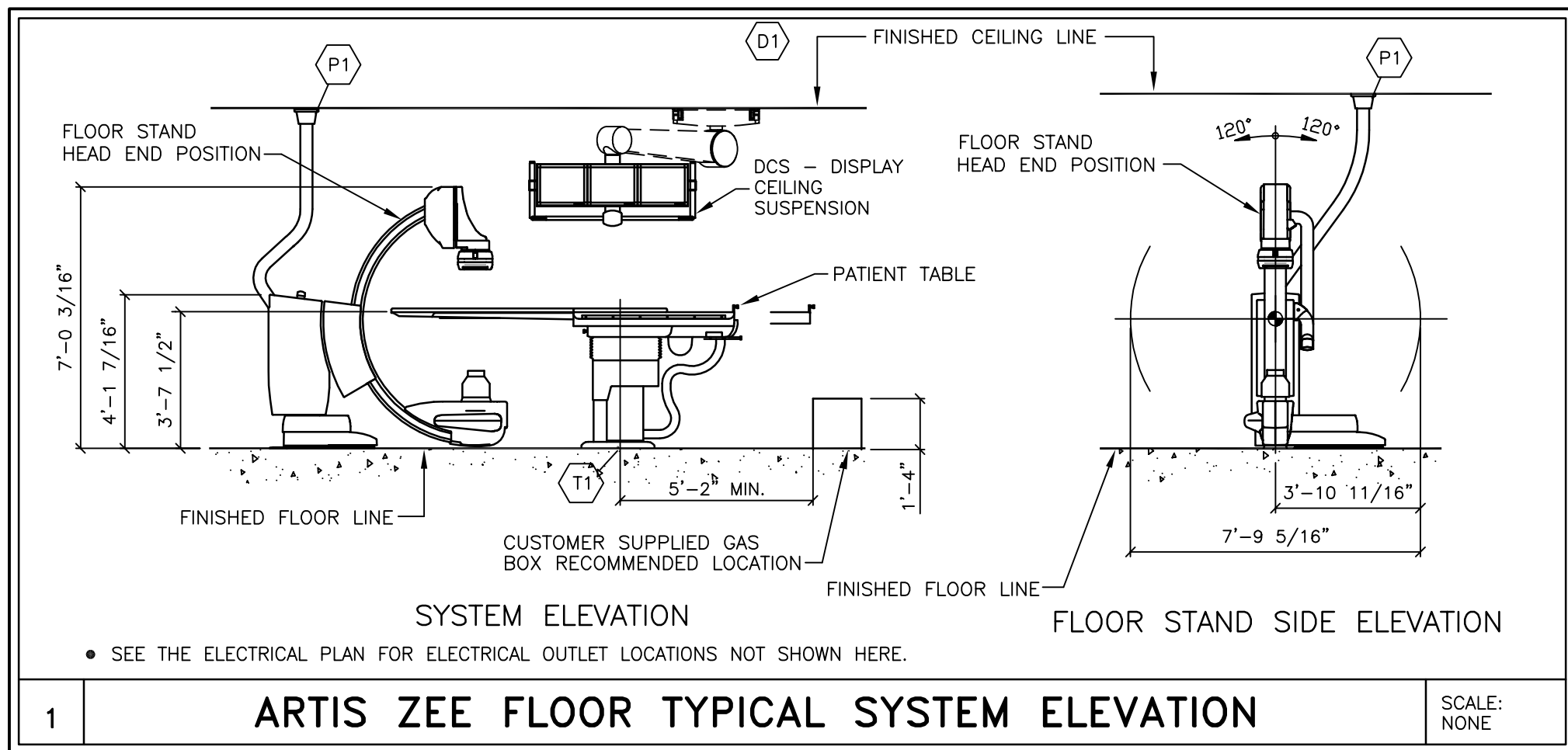
Issue #: 0
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SIEMENS

ARCHITECTURAL EQUIPMENT PLAN

ROOM MEASUREMENTS

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



MAGNETIC FIELD PRECAUTIONS

THE PRESENCE OF MAGNETIC FIELDS IN THE VICINITY OF EQUIPMENT MAY HAVE AN ADVERSE EFFECT. IT IS THE CUSTOMER'S RESPONSIBILITY TO VERIFY THAT THE FOLLOWING 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 SHOULD BE MEASURED PRIOR TO DELIVERY	

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.

CEILING HEIGHT RANGE
8'-2 1/2" - 10'-2"

RECOMMENDED CEILING HEIGHT
9'-6 3/8"

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES)			REMARKS
					W	D	H	
1	AXIS IMAGE SYSTEM	⊖	331	4,347	23	37 1/2	28 3/8	MTD. ON CASTERS
2	ACE (ARCHIVE CONTROL EXTENSION)	⊖	13	N/A	12 1/4	11 3/4	4	MTD. ON CONTROL COUNTER
3	CONTROL ROOM DISTRIBUTOR	⊖	64	342	41 1/2	8 1/4	16 1/8	MTD. ON WALL
4	KEYBOARD	⊖	2.2	342	17 1/2	6 1/8	2 1/8	MTD. UNDER COUNTER OR ON CONSOLE
5	19" MONOCHROME LIVE DISPLAY	⊖	15	256	16 1/2	8 1/4	13 1/2	ON COUNTER OR CONSOLE
6	19" MONOCHROME REFERENCE DISPLAY (OPTION)	⊖	15	256	16 1/2	8 1/4	13 1/2	ON COUNTER OR CONSOLE
7	TABLE CONTROL MODULES	⊖	13.8	---	16 1/2	8 3/4	3 1/2	ON TABLE OR TROLLEY
8	DCS 3 DISPLAY CEILING SUSPENSION	⊖	564	768	167	27 7/8	50 3/4	CEILING SUSPENDED
9	ARTIS ZEE FLOOR STAND W/ MOUNTING PLATE	⊖	1,466	683	---	---	---	C-ARM FLOOR MOUNTED
10	PATIENT TABLE (OR)	⊖	1,169	683	---	---	---	TABLE FLOOR MOUNTED
11	UPPER BODY RADIATION SHIELD 4 M TRACK (OPTION)	⊖	196	---	---	---	---	TRACK MOUNTED
12	MAVIG R96 O.R. LAMP (OPTION)	⊖	48	---	---	---	---	---
13	KLUVER COOLING UNIT	⊖	93	8,192	18 3/4	15 1/2	18 3/4	FLOOR OR SHELF MOUNTED
14	POLYDOROS A100 (POWER UNIT 1)	⊖	662	3,413	31 1/2	17 1/8	87	FLOOR MOUNTED
15	CABLE CABINET	⊖	265	---	31 1/2	17 1/8	87	FLOOR MOUNTED
16	SYSTEM CONTROL CABINET	⊖	518	3,072	23 1/2	17 1/8	87	FLOOR MOUNTED
17	SYSTEM CONTROL CABINET (OR TABLE ONLY)	⊖	276	3,072	23 1/2	17 1/8	87	FLOOR MOUNTED

TRANSPORT/STORAGE FLAT PANEL DETECTOR

IN SYSTEMS WITH FLAT PANEL DETECTORS, THE DETECTOR IS REMOVED FROM THE STAND FOR TRANSPORT TO THE CUSTOMER. THE LIMITED TRANSPORT AND STORAGE CONDITIONS APPLY FOR THE DETECTOR.

FLAT PANEL DETECTOR:

TEMPERATURE RANGE: 14° F TO 131° F
RELATIVE HUMIDITY: 20% TO 95% NON CONDENSING
AIR PRESSURE: 700 HPa TO 1060 HPa

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.

TRANSPORTING REQUIREMENTS

LARGEST CRATE WITH PACKING-WEIGHT: 108.7"L x 40.2"W x 82.3"H, 2,646 LBS.
LARGEST INDIVIDUAL PIECE WITH CARRIAGE (MIN. DOOR OPENING) -WEIGHT: 99.5"L x 30.5"W x 75.0"H, 1,676 LBS.

ANGIOGRAPHY/CARDIAC

TYPICAL EXAM ROOM EQUIPMENT

- | | | |
|---------------|--------------|----------------------------|
| - CRASH CART | - IV POLES | - LEAD SHIELD |
| - LIGHTING | - INJECTOR | - ANESTHESIA EQUIPMENT |
| - CATHETERS | - SCRUB AREA | - VIEW BOX |
| - GUIDE WIRES | - APRON RACK | - STERILE TRAY |
| - GASES | - OUTLETS | - PHYSIOLOGICAL MONITORING |
- EQUIPMENT SUPPLIED AND INSTALLED BY CUSTOMER

ARCHITECTURAL NOTES

- 1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS MEDICAL SOLUTIONS, INC. (SMS HEREFTER) 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 INTEREST 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 ENCOACH 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. SMS REQUIRES THAT ONCE THE FINAL CONSTRUCTION DRAWINGS HAVE BEEN PREPARED, THEY SHALL BE MADE AVAILABLE TO SMS PROJECT MANAGER TO VERIFY THAT ALL SMS REQUIREMENTS HAVE BEEN ADHERED TO. 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 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) 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 LIGHTING, ETC.).
- 9) THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR ALL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH NEEDS TO BE OR IS REQUIRED TO BE COMPLETED AFTER THE INSTALLATION OF THE SMS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS.

SITE READINESS GUIDELINES

- THE FOLLOWING GENERAL CONDITIONS ARE NECESSARY TO HAVE THE STATUS OF "READY SITE":
- 1) PROPER POWER AVAILABLE AT SIEMENS EQUIPMENT POWER CABINET LOCATION AND ALL POWER OUTLETS FUNCTIONING.
 - 2) AIR CONDITIONING/HUMIDIFICATION SYSTEMS COMPLETE, TESTED, AND FUNCTIONING PROPERLY ACCORDING TO SIEMENS SPECIFICATIONS.
 - 3) PROPER LIGHTING INSTALLED AND FUNCTIONING.
 - 4) PLUMBING COMPLETE EXCEPT FOR ANY FINAL CONNECTIONS TO SIEMENS EQUIPMENT.
 - 5) ALL CABLE TRAYS/DUCTS/CONDUITS CORRECTLY SIZED, LOCATED, AND INSTALLED ACCORDING TO THE SIEMENS DRAWINGS.
 - 6) ALL REINFORCEMENT PLATES/UNISTRUT INSTALLED AS REQUIRED.
 - 7) ROOM FOR EQUIPMENT INSTALLATION AND IMMEDIATE VICINITY IS DUST-FREE AND IS TO REMAIN SO FOR THE DURATION OF THE INSTALLATION.
 - 8) A SECURE AREA (APPROXIMATELY 10' x 10') IS AVAILABLE AT EQUIPMENT DELIVERY FOR PARTS AND INSTALLATION TOOLS.
 - 9) CUSTOMER SUPPLIED CAMERAS AND PROCESSORS INSTALLED.
 - 10) CUSTOMER APPROVAL FOR SIEMENS REMOTE SERVICES (SRS) CONNECTION, AND CUSTOMER'S I.T. CONTACT INFORMATION AND IP ADDRESSES ESTABLISHED.
 - 11) WALLS TO BE PRIMED AND PAINTED, FLOORS TO BE TILED EXCEPT IN AREAS OF THE EQUIPMENT BASE PLATES.
- IF 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 ONLY)

DESIGNATION	PG NUMBER	DATE
ARTIS ZEE FLOOR	AXA4-050.891.01.03.02	12.09
DCS (DISPLAY CEILING SUSPENSION)	AXA4-700.891.01.07.02	10.09

ARTIS ZEE FLOOR
03/28/11

SIEMENS

ARTIS ZEE FLOOR

TYPICAL DRAWING / ARTIS ZEE FLOOR

PROJECT #:

08003

SHEET 1 OF 7

DRAWN BY: E. SANDIFER

DATE: 04/14/11

CHECKED:

SHEET:

A-101

ATTENTION:

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

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

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

04/14/11 TYPICAL DRAWING

SYMBOL DATE DESCRIPTION

— ISSUE BLOCK —

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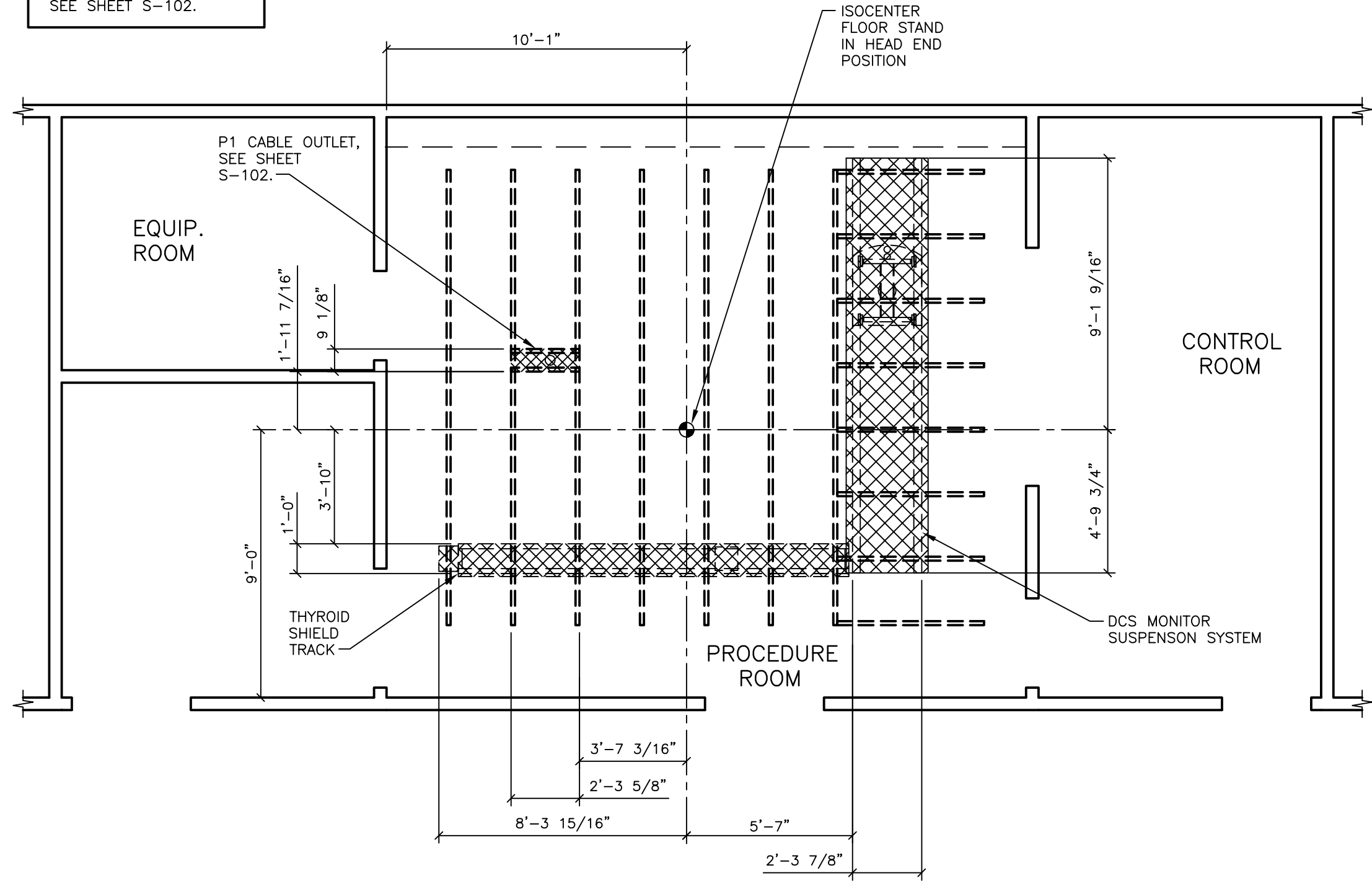
SCALE: AS NOTED

REF. #:

ATTENTION! LIGHTING AND HVAC DUCTS HAVING THE POTENTIAL TO HEAT OR COOL SIEMENS COMPONENTS MUST NOT BE LOCATED WITHIN SIEMENS CEILING RAIL SYSTEMS AS INDICATED BY THE SHADED AREAS ON THIS PLAN. SPRINKLER HEADS MUST NOT BE LOCATED WITHIN THE SHADED AREAS AS WELL. IF REQUIRED, LAMINAR AIRFLOW DIFFUSERS MAY BE LOCATED WITHIN SIEMENS CEILING RAIL SYSTEMS PROVIDED THEY DO NOT EXTEND BELOW THE FINISHED CEILING OR HEAT/COOL SIEMENS EQUIPMENT. IF PLACED WITHIN SIEMENS RAIL SYSTEMS, THE CUSTOMER MUST ACCEPT RESPONSIBILITY FOR THE FACT THAT, DEPENDING ON THE POSITION OF THE CARRIAGE WITHIN THE CEILING RAILS, THERE IS POTENTIAL FOR CERTAIN DIFFUSERS IN THIS AREA TO BE BLOCKED. THE CUSTOMER MUST ALSO ACCEPT RESPONSIBILITY FOR POTENTIAL DIFFICULTIES IN SERVICING THE CUSTOMER'S MECHANICAL EQUIPMENT IN THE CEILING, IF PLACED WITHIN THESE SHADED AREAS. PLEASE COORDINATE THE PLACEMENT OF THESE ITEMS WITH THE SIEMENS PROJECT MANAGER. SIEMENS SHALL BEAR NO RESPONSIBILITY FOR ANY EQUIPMENT DAMAGES RESULTING FROM THE INSTALLATION OF CUSTOMER-SUPPLIED INFRASTRUCTURE NOT ADHERING TO THE ABOVE STATED REQUIREMENTS.

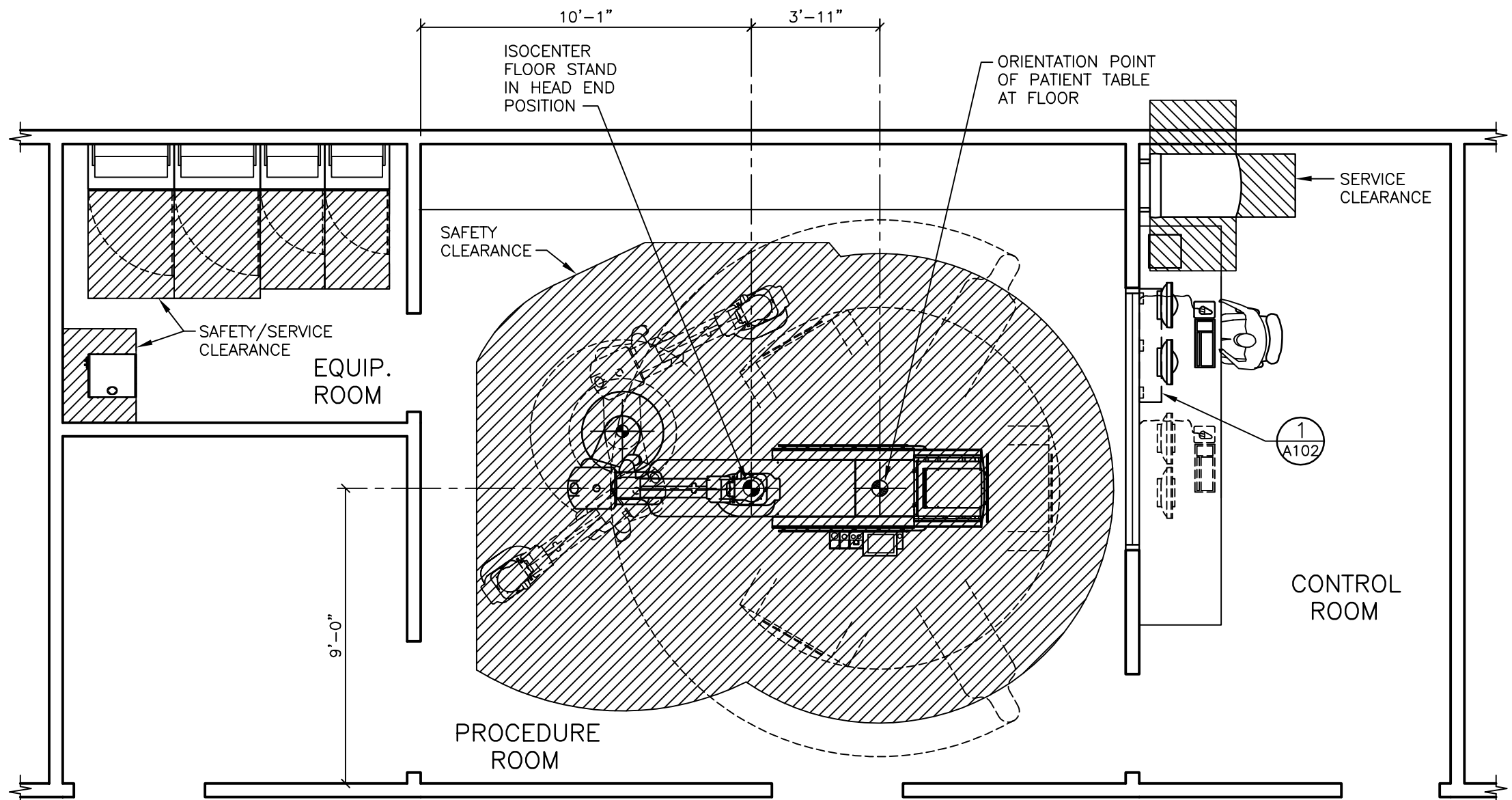
NOTE:
FOR ALL WEIGHTS AND SIZES OF EQUIPMENT SHOWN ON THIS PLAN
PLEASE REFER TO THE EQUIPMENT LEGEND ON SHEET A-101.

FOR UNISTRUT PLACEMENT
SEE SHEET S-102.



REFLECTED CEILING PLAN

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



SAFETY/SERVICE CLEARANCE PLAN

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

LIGHTING GUIDELINES

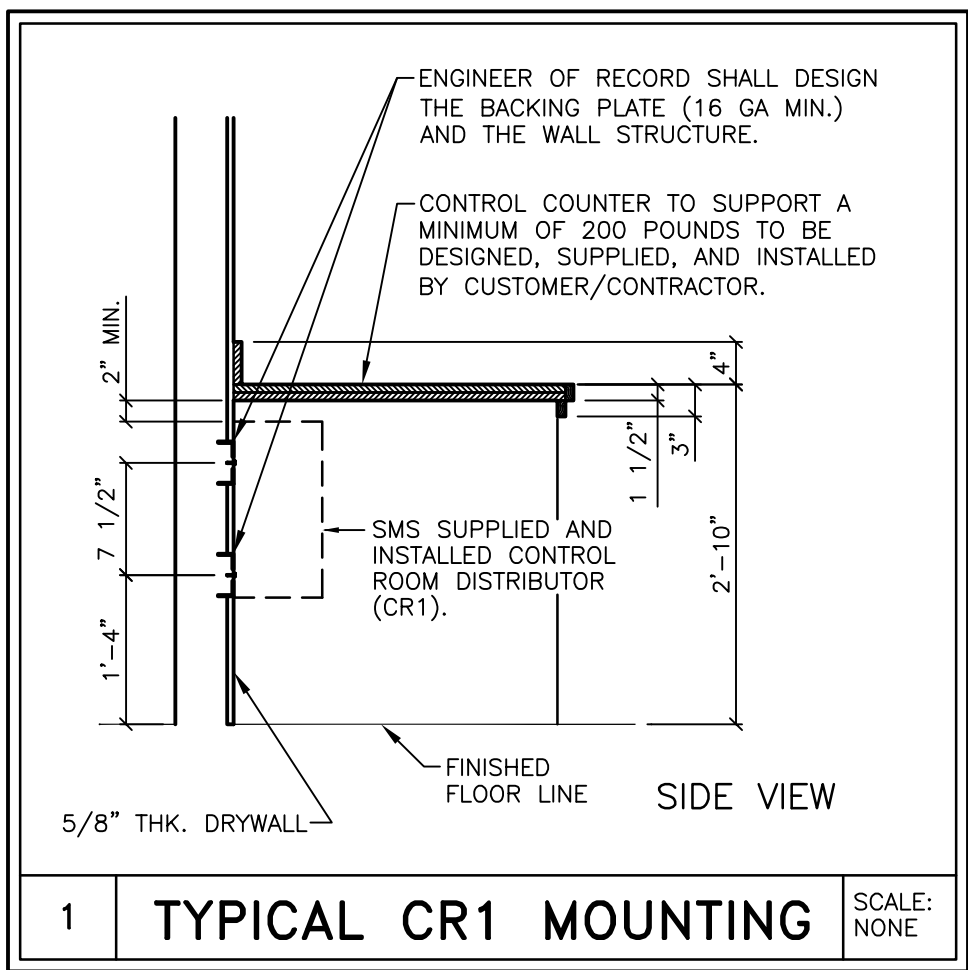
ROOM LIGHTING IS THE RESPONSIBILITY OF THE CUSTOMER. HOWEVER, SIEMENS OFFERS THE FOLLOWING RECOMMENDATIONS, AS A GENERAL GUIDE ONLY, WHEN PLANNING FOR LIGHTING.

- 1) OVERALL GENERAL ILLUMINATION IS NECESSARY FOR CLEAN UP AND MAINTENANCE OF EQUIPMENT. FLUORESCENT LIGHTING IS USUALLY PROVIDED FOR THIS PURPOSE AND SHOULD BE A MINIMUM LEVEL OF 50 FOOTCANDLES. TO MINIMIZE GLARE AND PROVIDE VISUAL COMFORT, AN INDIRECT LIGHTING SYSTEM SHOULD BE CONSIDERED TOGETHER WITH COLOR IMPROVED FLUORESCENT LAMPS.
- 2) THE GENERAL LIGHTING SHOULD HAVE A MULTI-LEVEL SWITCHING CAPABILITY TO ALLOW FLEXIBILITY OF AMBIENT LIGHTING LEVELS.
- 3) BECAUSE FLUOROSCOPY PROCEDURES ARE NOW PERFORMED WITH IMAGE INTENSIFICATION WITH VISUALIZATION ON A TELEVISION MONITOR, COMPLETE ROOM DARKNESS IS NO LONGER NECESSARY. HOWEVER, IN ORDER TO PERMIT PROPER READINGS OF THE MONITOR, THE ROOM LIGHTING INTENSITY MUST BE CAPABLE OF BEING LOWERED TO BETWEEN 2 TO 5 FOOTCANDLES. THIS CAN BE USUALLY ACCOMPLISHED BY MEANS OF A FOOT SWITCH.

THE FOOT SWITCH CONTROL ARRANGEMENT IS SUCH THAT, WHEN OPERATED, A SEPARATE LIGHTING SYSTEM FOR FLUOROSCOPY IS TURNED "ON" AND AT THE SAME TIME, THROUGH AN INTERLOCK, THE GENERAL LIGHTING SYSTEM IS TURNED "OFF". IF A VARIABLE LOW LEVEL LIGHTING INTENSITY IS DESIRED BY THE CUSTOMER, THEN A DIMMER CONTROL CAN BE ADDED. IN THIS CASE, INCANDESCENT LIGHTING IS RECOMMENDED FOR THIS PURPOSE. FLUORESCENT DIMMING IS NOT RECOMMENDED.

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.



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

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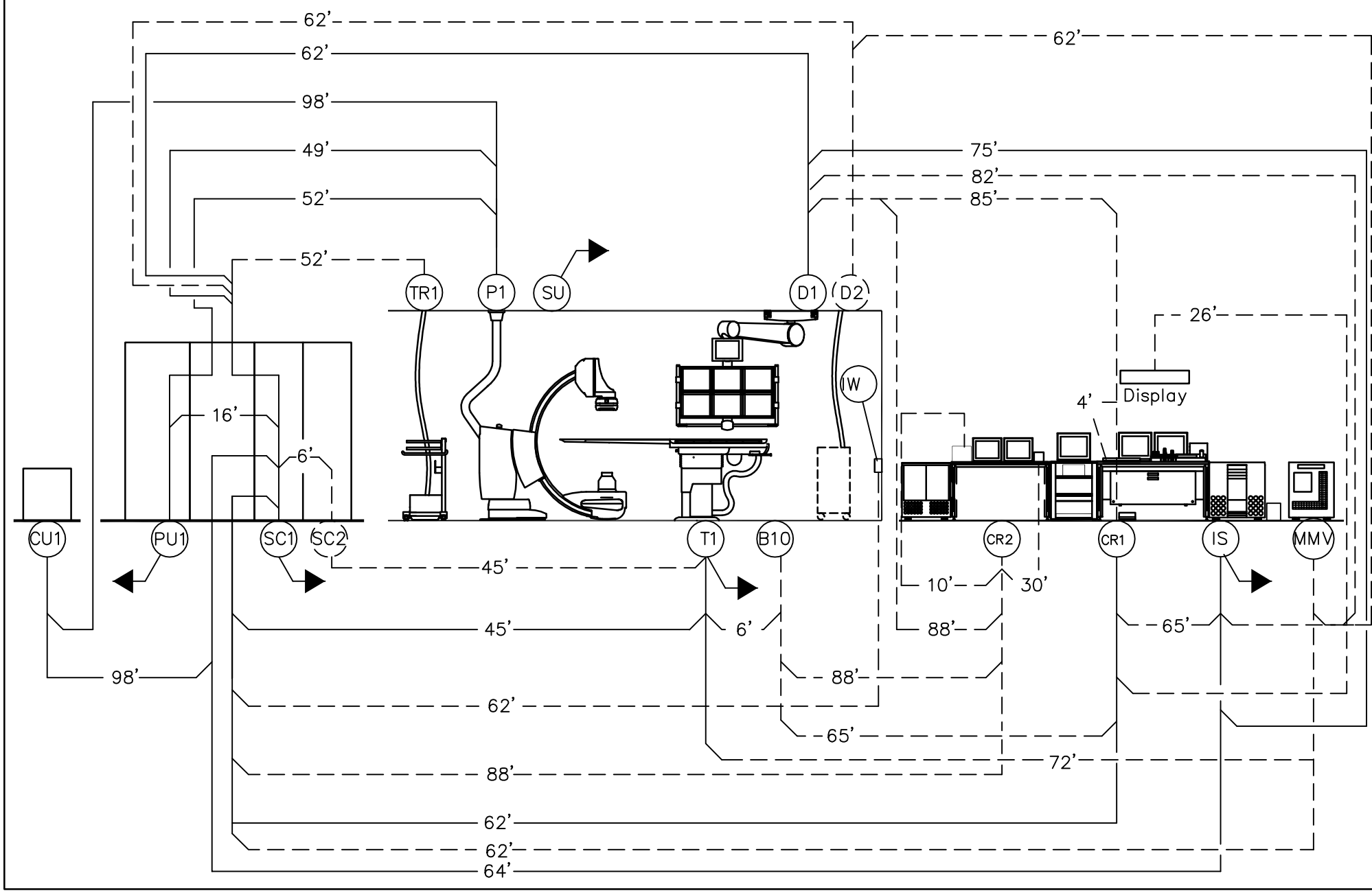
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			TYPICAL DRAWING / ARTIS ZEE FLOOR		
			PROJECT #:		SHEET:
			08003		A-102
			SHEET 2 OF 7		DRAWN BY: E. SANDIFER
			DATE: 04/14/11		CHECKED:
			SCALE: AS NOTED		REF. #:
			ALL RIGHTS ARE RESERVED.		
			THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS' AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		
			04/14/11 TYPICAL DRAWING		
			SYM DATE DESCRIPTION		
			-ISSUE BLOCK-		

ARTIS ZEE FLOOR
03/28/11

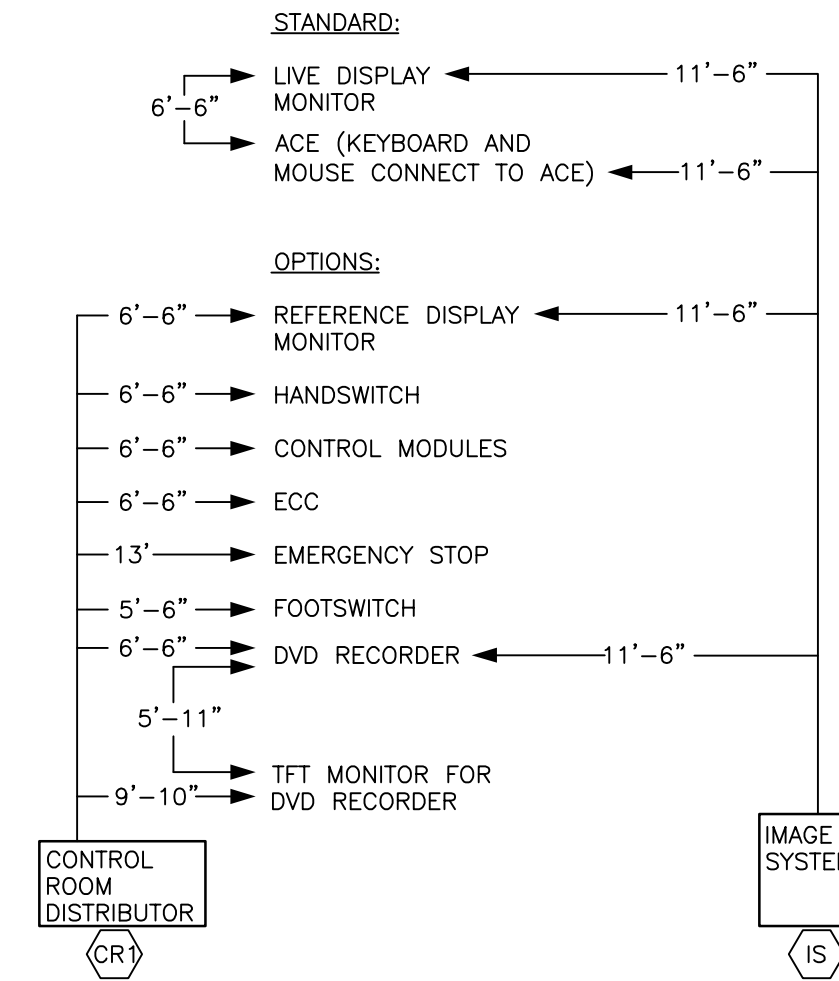
ARTIS ZEE FLOOR MAXIMUM CABLE LENGTHS (TYPICAL EQUIPMENT)



GROUNDING NOTES

- EQUIPMENT GROUND CONDUCTOR TO COMPLY WITH THE FOLLOWING:
- 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 CONTINUITY OVER THE LIFE OF THE INSTALLATION.
 - 7) AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS ACCEPTABLE TO HAVE $\leq 500\text{mA}$ DURING OPERATION OF THE IMAGING EQUIPMENT.
 - 8) THERE MAY BE SOME APPLICATIONS WHICH REQUIRE AN ISOLATED GROUND AS PER NEC 250-96B.

AXIS IMAGE SYSTEM (STANDARD CONFIGURATION)



CONTROL ROOM SYSTEM CONNECTIONS

SCALE: NONE

CONTRACTOR SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
PANEL	1	MP	ELECTRICAL CONTRACTOR TO SIZE PLUS GROUND	SEE DETAIL "POWER DIAGRAM" SHEET E-501
MP	2	PU1	3#2, 1#2 GROUND AND CONNECT	SEE DETAIL "POWER DIAGRAM" SHEET E-501
MP	3	SC1	3#6, 1#6 NEUTRAL, 1#6 GROUND AND CONNECT	SEE DETAIL "POWER DIAGRAM" SHEET E-501
MP	4	EPO	2#12, PLUS GROUND	SEE DETAIL "POWER DIAGRAM" SHEET E-501
EPO	5	EPO	2#12, PLUS GROUND	EMERGENCY POWER OFF
SC1	6	WL	14-18 AWG	SEE "LIGHTING DETAIL" SHEET E-101
SC1	7	DS	3#12, PLUS GROUND	DOOR SWITCH
WL	8	WL	3#12, PLUS GROUND	WARNING LIGHT
DS	9	DS	3#12, PLUS GROUND	DOOR SWITCH

SIEMENS SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
P1	10	CU1	MINIMUM BENDING RADIUS 2" P1 LEFT HAND SIDE	MAXIMUM LENGTH 77'
SC2	11	T1	ONLY WITH OR TABLE	MAXIMUM LENGTH 45'
SC1	12, "VD1"	CU1		MAXIMUM LENGTH 98'
T1	13	B10		
CR2	14	B10	CUSTOMER PATIENT MONITORING, ETC.	
P1	"CD1", "VD1"	PU1	P1 LEFT HAND SIDE	MAXIMUM LENGTH 41'
P1	"CD1", "VD1"	PU1	(2) HIGH VOLTAGE CABLES P1 LEFT HAND SIDE	MAXIMUM LENGTH 41'
P1	"CD1", "VD1"	SC1	P1 LEFT HAND SIDE	MAXIMUM LENGTH 37'
SC1	"VD1", "CD1", "VD2", "HD1"	CR1	FOR CONTROL ROOM OPTIONS (CONTROL MODULES, FOOT SWITCH, DISPLAY, ECC)	MAXIMUM LENGTH 62'
SC1	UNDER CABINETS	SC2	ONLY WITH OR TABLE	MAXIMUM LENGTH 6'
SC1	UNDER CABINETS	PU1		MAXIMUM LENGTH 16'
SC1	"VD1", "CD1", "VD2", "HD1"	IS		MAXIMUM LENGTH 64'
SC1	"VD1", "CD1"	D1	MTS/DCS	MAXIMUM LENGTH 62'
IS	"HD1", "VD2", "CD1"	D1	MTS/DCS	MAXIMUM LENGTH 74'

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 YOUR SITE.

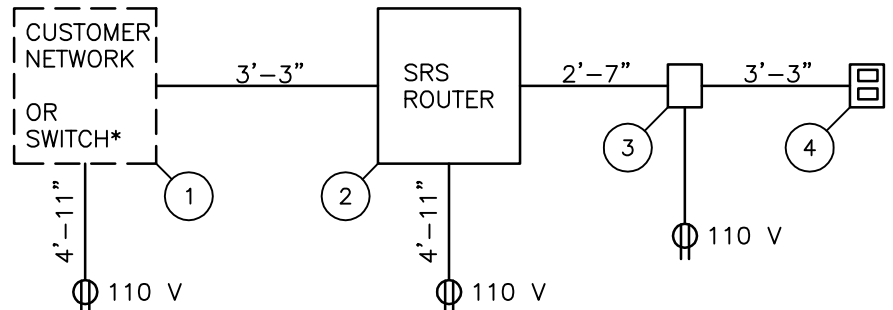
(OPTIONAL) SRS ROUTER CONNECTION

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



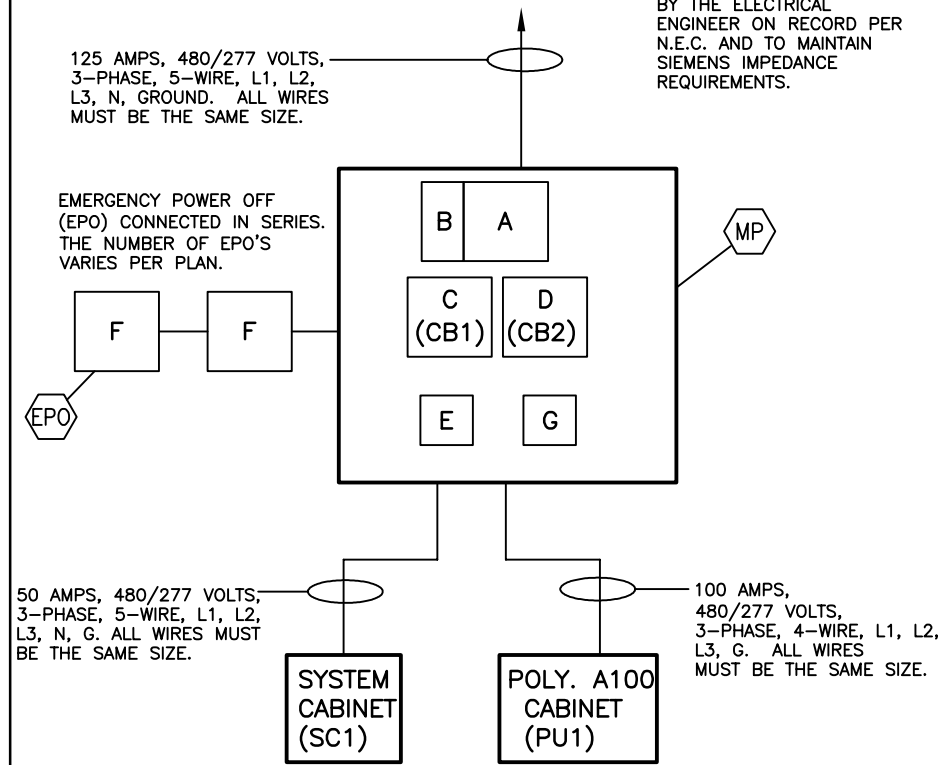
NOTE: ALL POWER OUTLETS ARE SUPPLIED/INSTALLED BY CUSTOMER.

- 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



ITEM	QTY.	DESCRIPTION (ALL PARTS CUSTOMER/CONTRACTOR-SUPPLIED)
A.	1	P2E16E4125F75* - PANELBOARD & MAIN BREAKER
B.	1	U01ED60* - 120 VAC UNDERVOLTAGE TRIP
C.	1	ED43B100* - 100 AMP 3 POLE BREAKER FOR POLYDOROS A100 (PU1)
D.	1	ED43B050* - 50 AMP 3 POLE BREAKER FOR SYSTEM CABINET (SC1)
E.	1	KT7050* - 277V TO 120V STEP-DOWN TRANSFORMER
F.		3SB3000-1HA20* - EPO ACTUATOR
G.	1	3SB3400-DC* - N.C. CONTACT
		GROUND BAR

NOTES:

- 1) THE EPO (EMERGENCY POWER OFF) MUST PROVIDE REMOTE "EMERGENCY OFF" CONTROL OF SYSTEM POWER. 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. IT IS RECOMMENDED THAT EPO CIRCUIT BE A NORMALLY CLOSED ENERGIZED CIRCUIT DESIGN AND THAT IT DERIVES ITS SOURCE FROM THE EQUIPMENT INCOMING FEEDER OR IS A DEDICATED BRANCH CIRCUIT, PREFERABLY FROM AN EMERGENCY POWER SOURCE WITH CIRCUIT BREAKER LABELED AND "LOCKED-ON". THE EPO CONFIGURATION DEPICTED IN THIS DRAWING IS ONE EXAMPLE OF A POSSIBLE EPO CONFIGURATION THAT SATISFIES THESE REQUIREMENTS. HOWEVER, THE FACILITY/CONTRACTOR IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPO AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.

THE EMERGENCY POWER OFF BUTTON MUST BE SIEMENS PART NUMBER 3SB3000-1HA20 OR EQUIVALENT, SUPPLIED AND INSTALLED BY THE CUSTOMER/CONTRACTOR. EACH EPO BUTTON WILL HAVE ONE SET OF CONTACTS. THIS SET WILL BE A NORMALLY CLOSED SET WITH 120V FOR THE UNDERVOLTAGE TRIP AND WILL BE CONNECTED IN SERIES (THEORY OF CIRCUIT). WHEN ANY EPO IS PUSHED, THE NORMALLY CLOSED CONTACT WILL OPEN, INTERRUPTING THE 120 VOLTS TRIPPING THE MAIN BREAKER.

- 2) B THROUGH E AND G TO BE ORDERED ALONG WITH (A.)
- 3) 120 V UNDERVOLTAGE TRIP SHOWN SEPARATELY TO BE ADDED TO THE ENCLOSED BREAKER RATING FROM 15-125 AMPS.
- 4) ED43B ARE THE BREAKER NUMBERS FOLLOWED BY 100 FOR 100 AMPS., 060 FOR 60 AMPS., ETC. UP TO 125 AMPS., MAXIMUM BASED ON GENERATOR SIZE.

*RECOMMENDED PART NUMBERS SHOWN ARE SIEMENS ENERGY & AUTOMATION. (PURCHASED FROM YOUR LOCAL DISTRIBUTOR) OR EQUIVALENT, TO LOCATE A DISTRIBUTOR VISIT THIS WEBSITE: [HTTP://WWW.SEA.SIEMENS.COM](http://www.sea.siemens.com). ALL PARTS TO BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

POWER DIAGRAM

SCALE: NONE

ATTENTION:

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

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

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

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03/28/11

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PROJECT #:

08003

SHEET:

E-501

SHEET 6 OF 7

DRAWN BY: E. SANDIFER

DATE: 04/14/11

CHECKED:

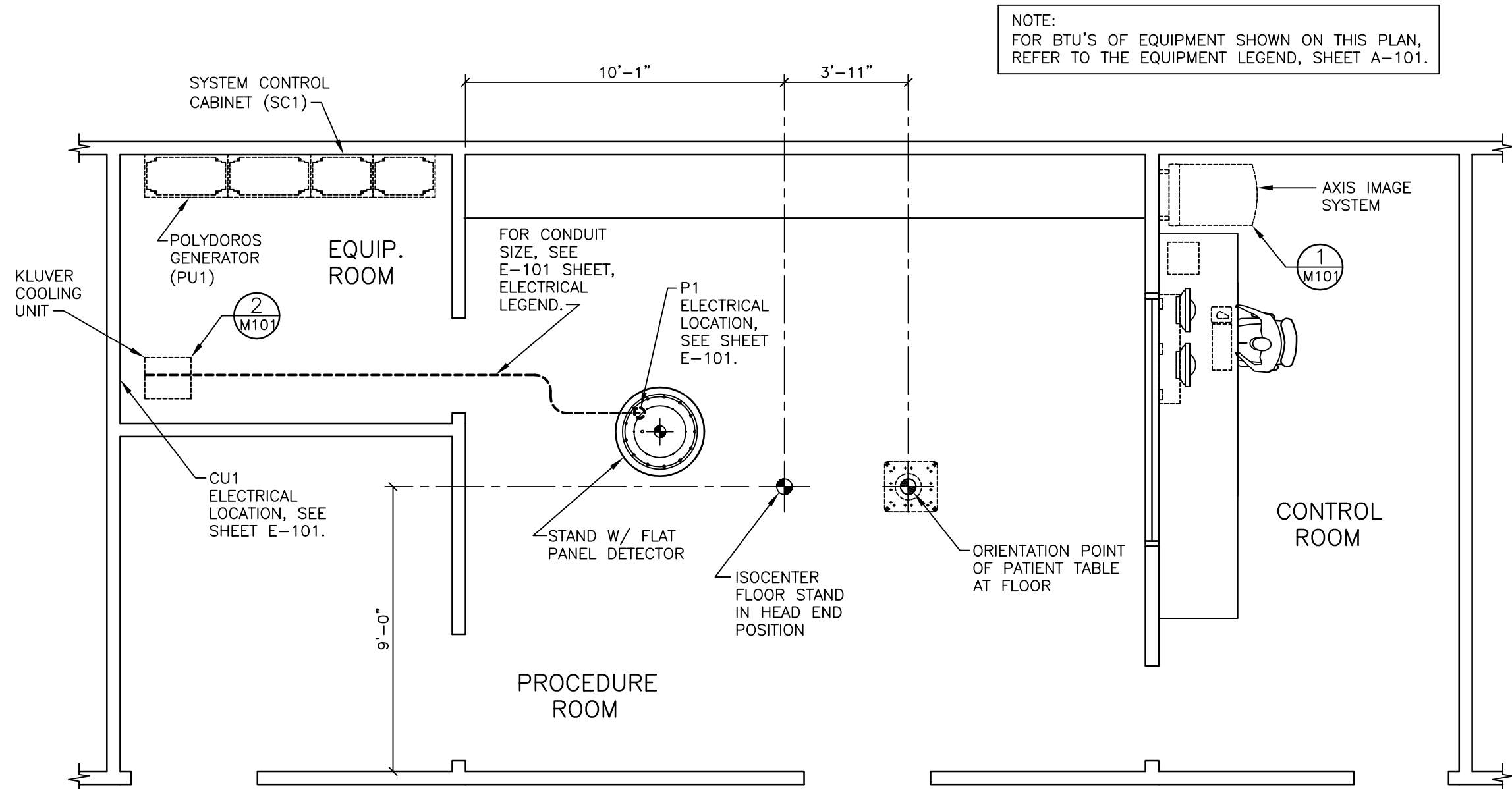
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04/14/11 TYPICAL DRAWING

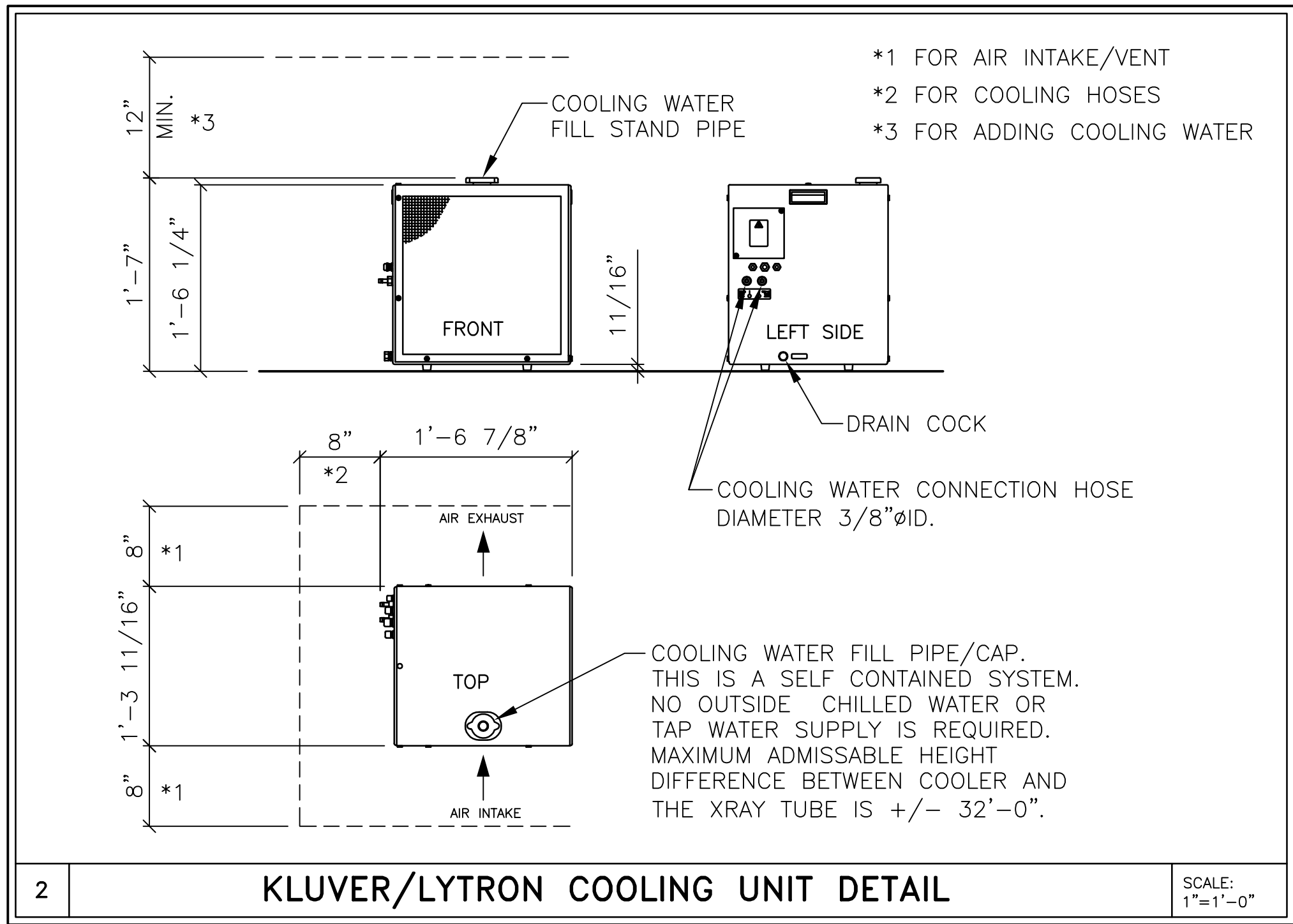
SYM DATE DESCRIPTION

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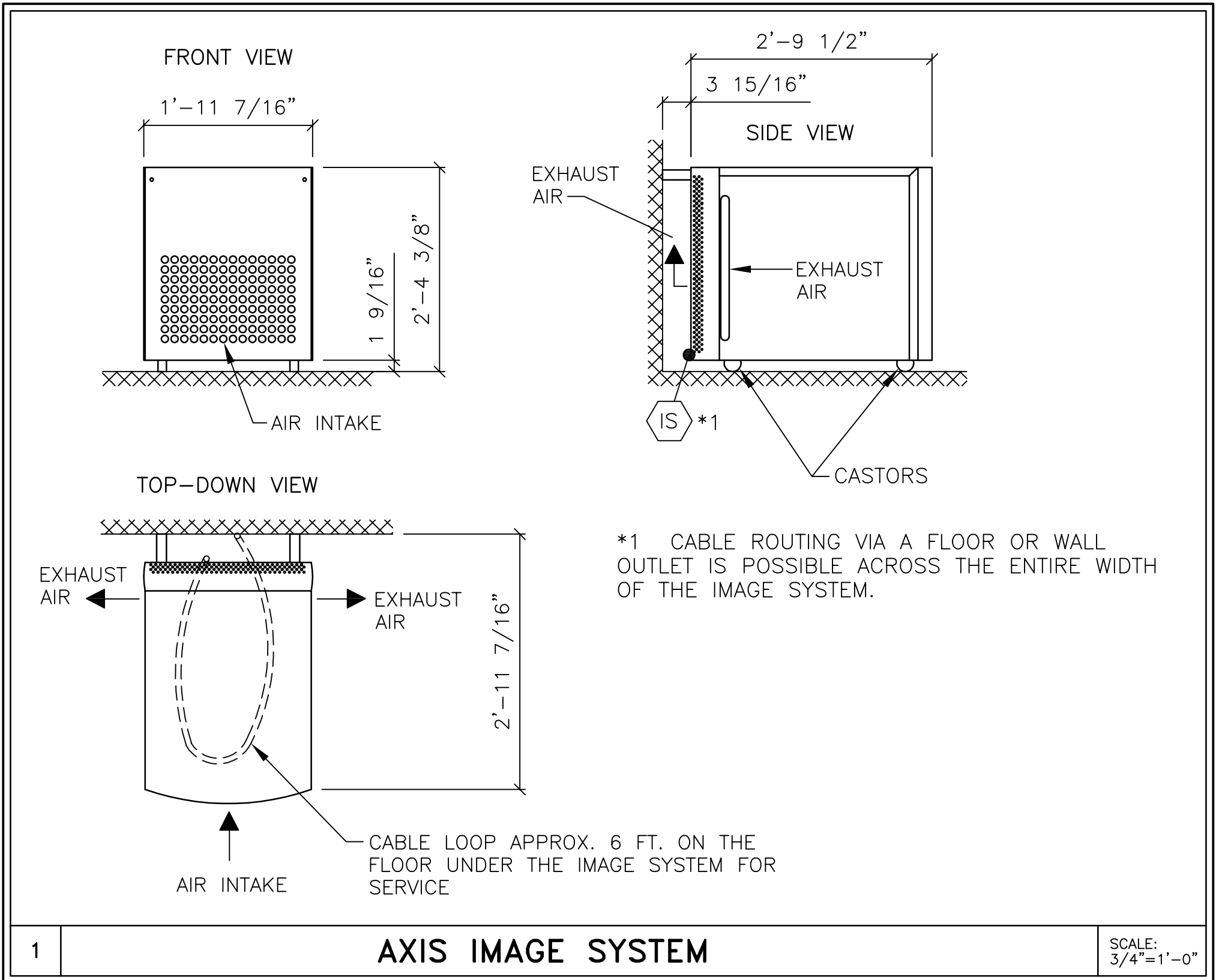
MECHANICAL PLAN

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



CEILING HEIGHT RANGE	RECOMMENDED CEILING HEIGHT
8'-2 1/2" - 10'-2"	9'-6 3/8"

ENVIRONMENTAL CONDITIONS		
EXAMINATION AND CONTROL ROOM	TEMPERATURE RANGE:	50°F-95°F (RECOMMENDED TEMPERATURE 70°F) FOR SYSTEM WITH IMAGE INTENSIFIER 59°F-86°F (RECOMMENDED TEMPERATURE 70°F) FOR SYSTEM WITH FLAT PANEL DETECTOR
	RELATIVE HUMIDITY:	20% - 75% NON-CONDENSING
AXIS IMAGE SYSTEM	TEMPERATURE RANGE:	50°F-95°F (RECOMMENDED TEMPERATURE 70°F)
	RELATIVE HUMIDITY:	20%-75% NON CONDENSING
POLYDOROS A100 GENERATOR	MAX. TEMP. GRADIENT:	18° F/HR
	AIR FLOW VOLUME:	371 CFM
SYSTEM CONTROL CABINET	MAX. NOISE GENERATION:	53 dB(A)
	TEMPERATURE RANGE:	50°F-95°F (RECOMMENDED TEMPERATURE 70°F) FOR SYSTEM WITH IMAGE INTENSIFIER 59°F-86°F (RECOMMENDED TEMPERATURE 70°F) FOR SYSTEM WITH FLAT PANEL DETECTOR
KLUVER/LYTRON COOLING UNIT	RELATIVE HUMIDITY:	20% - 75% NON-CONDENSING
	MAX. TEMP. GRADIENT:	9° F/HR
STAND WITH FLAT PANEL DETECTOR	AIR FLOW VOLUME:	294 CFM
	MAX. NOISE GENERATION:	48 dB(A)
KLUVER/LYTRON COOLING UNIT	TEMPERATURE RANGE:	41°F-86°F (RECOMMENDED TEMPERATURE 70°F)
	RELATIVE HUMIDITY:	FROST FREE
STAND WITH FLAT PANEL DETECTOR	AIR FLOW VOLUME:	647 CFM
	MAX. NOISE GENERATION:	55 dB(A) AT 50 HZ, 59 dB(A) AT 60 HZ
STAND WITH FLAT PANEL DETECTOR	MAXIMUM TEMPERATURE GRADIENT:	9° F/HR
	ATMOSPHERIC PRESSURE:	700hPa - 1040hPa
STAND WITH FLAT PANEL DETECTOR	SHOCKS:	MAXIMUM 10G/16MS
	VIBRATIONS:	MAXIMUM 0.1 G/10-200HZ



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TYPICAL DRAWING / ARTIS ZEE FLOOR		
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	08003	M-101
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	DATE: 04/14/11	CHECKED:
SCALE: AS NOTED	REF. #:	

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