



Maine Medical Center

CYSTO ROOM 18 RENOVATIONS

Portland, Maine
MMC Project No. 212040

ISSUED FOR CONSTRUCTION

CODE COMPLIANCE INFORMATION

APPLICABLE CODES AND GUIDELINES

INTERNATIONAL BUILDING CODE (IBC), 2009 EDITION
NFPA 101 LIFE SAFETY CODE, 2009 EDITION
AMERICANS WITH DISABILITIES ACT (ADA), 2010 STANDARDS
AIA GUIDELINES FOR DESIGN AND CONSTRUCTION OF
HEALTHCARE FACILITIES, 2010 EDITION
MAINE UNIFORM BUILDING AND ENERGY CODE, 2010 EDITION

EXISTING CONSTRUCTION TYPE

IBC - TYPE 1A
NFPA - TYPE 1 (3,3,2)

OCCUPANCY CLASSIFICATION

IBC - INSTITUTIONAL I-2
NFPA - CHAPTER 18 NEW HEALTHCARE

FIRE SUPPRESSION

FULLY SPRINKLERED PER NFPA 13

DRAWING INDEX

ARCHITECTURAL

GI000 COVER SHEET
AE101 REMOVALS, FLOOR PLAN, RCP, EQUIPMENT PLAN

REFERENCE DRAWINGS

STERIS HARMONY vLED LIGHT (11 PAGES)
STERIS vLED LIGHTING CONTROL SYSTEM (16 PAGES)
SIEMANS COVER SHEET
SIEMANS A-101
SIEMANS A-102
SIEMANS S-101
SIEMANS E-101
SIEMANS E-102

PROJECT LOCATION:

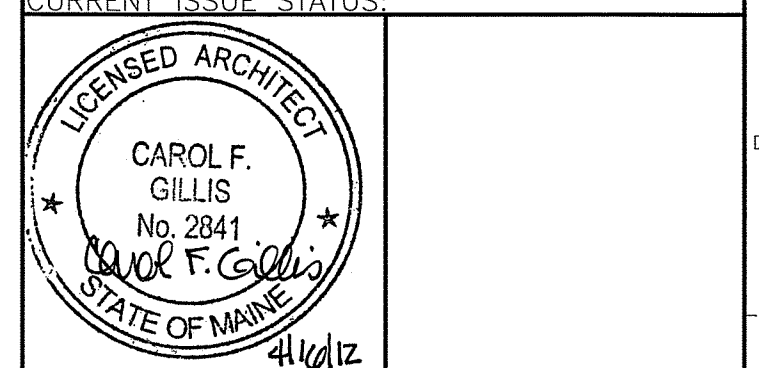
BEAN BUILDING, BASEMENT LEVEL
MAINE MEDICAL CENTER (BRAMHALL CAMPUS)
22 BRAMHALL STREET
PORTLAND, ME 04102

DESIGN GROUP COLLABORATIVE ARCHITECTURE DESIGN + PLANNING

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0	ISSUED FOR CONSTRUCTION	4/16/12
REV.	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
4/16/12



MAINE MEDICAL CENTER
CYSTO ROOM 18 RENOVATIONS
PORTLAND, MAINE

COVER SHEET

SHEET TITLE:	
DATE:	4/16/12
SCALE:	AS NOTED
PROJECT NO.:	112017
DRAWN BY:	CFG
A/E OF RECORD:	CFG
SHEET No. GI000	



J1 PROJECT LOCATION PLAN

N.T.S. SHADED AREA INDICATES AREA OF WORK

REMOVALS NOTES:

1. ALL BUILDING STRUCTURAL ELEMENTS SHALL REMAIN.
2. PROTECT ALL EXISTING MATERIALS AND FINISHES. ANY MATERIALS OR FINISHES DISTURBED OR DAMAGED DURING DEMOLITION AND NEW WORK SHALL BE REPAIRED OR REPLACED AND FINISHED TO MATCH ADJACENT CONSTRUCTION CONTINUOUSLY TO NEAREST CORNER.
3. DURING DEMOLITION AND NEW WORK, WHERE EXISTING CONDITIONS ARE FOUND TO BE DEFECTIVE, NOTIFY OWNER AND ARCHITECT AND PROVIDE CHANGE PROPOSAL FOR CORRECTION OF THESE CONDITIONS.

REMOVALS KEY NOTES:

- 1 REMOVE EXISTING FLOORING AND BASE. CONFIRM ABATEMENT REQUIREMENTS WITH OWNER PRIOR TO REMOVAL.
- 2 REMOVE EXISTING CEILING AND LIGHT FIXTURES
- 3 REMOVE EXISTING WALL
- 4 REMOVE EXISTING PLUMBING FIXTURE
- 5 REMOVE EXISTING CASEWORK
- 6 REMOVE EXISTING WORKSTATION. REMOVE AND RELOCATE EXISTING POWER AND DATA SERVING WORKSTATION.
- 7 REMOVE EXISTING VIEW BOX
- 8 REMOVE AND RETAIN EXISTING APRON RACK.
- 9 REMOVE WALL SHELF
- 10 REMOVE EXISTING LEAD-LINED DOOR, FRAME AND PROVIDE TO OWNER.
- 11 REMOVE AND RELOCATE RETURN AIR DUCTWORK AND GRILLE

PLAN NOTES:

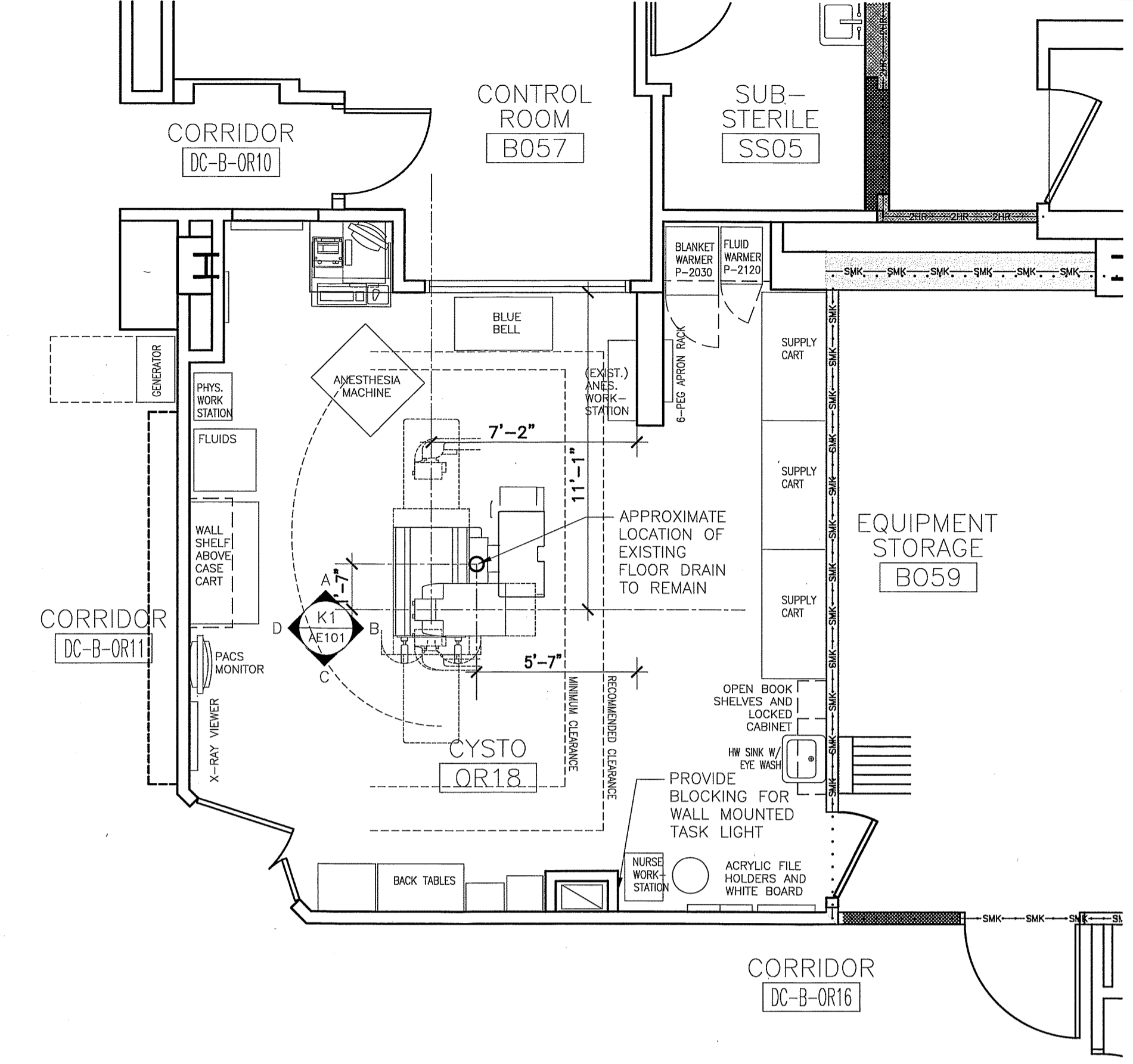
1. PATCH FLOOR TO MATCH EXISTING AT NEW RADIOLOGY EQUIPMENT LOCATION.
2. PAINT NEW WALLS AND CEILING TO MATCH EXISTING.
3. RELOCATE WALL DEVICES AS SHOWN ON INTERIOR ELEVATIONS.

KEYED PLAN NOTES:

- A S.S. CORNER GUARDS, 2" WINGS, 48" HIGH.
- B NEW LIGHTING CONTROL

PARTITION TYPES:

- 1 INFILL EXISTING WALL OPENING TO MATCH WIDTH OF EXISTING WALL. PROVIDE 1/32" (MIN.) LEAD SHIELDING. MATCH EXISTING WALL FINISHES.
- 2 CONFIRM EXISTING 1/16" LEAD SHIELDING AND LEAD-EQUIVALENT GLAZING AT WINDOW.
- 3 CONFIRM EXISTING 1/32" (MIN.) LEAD SHIELDING.
- 4 PROVIDE 1/32" (MIN.) LEAD SHIELDING AT EXISTING WALL.
- 5 CHASE WALL: 3 5/8" STEEL STUDS AT 16" O.C., 5/8" GYP. BD. TO CEILING ON TAGGED SIDE.

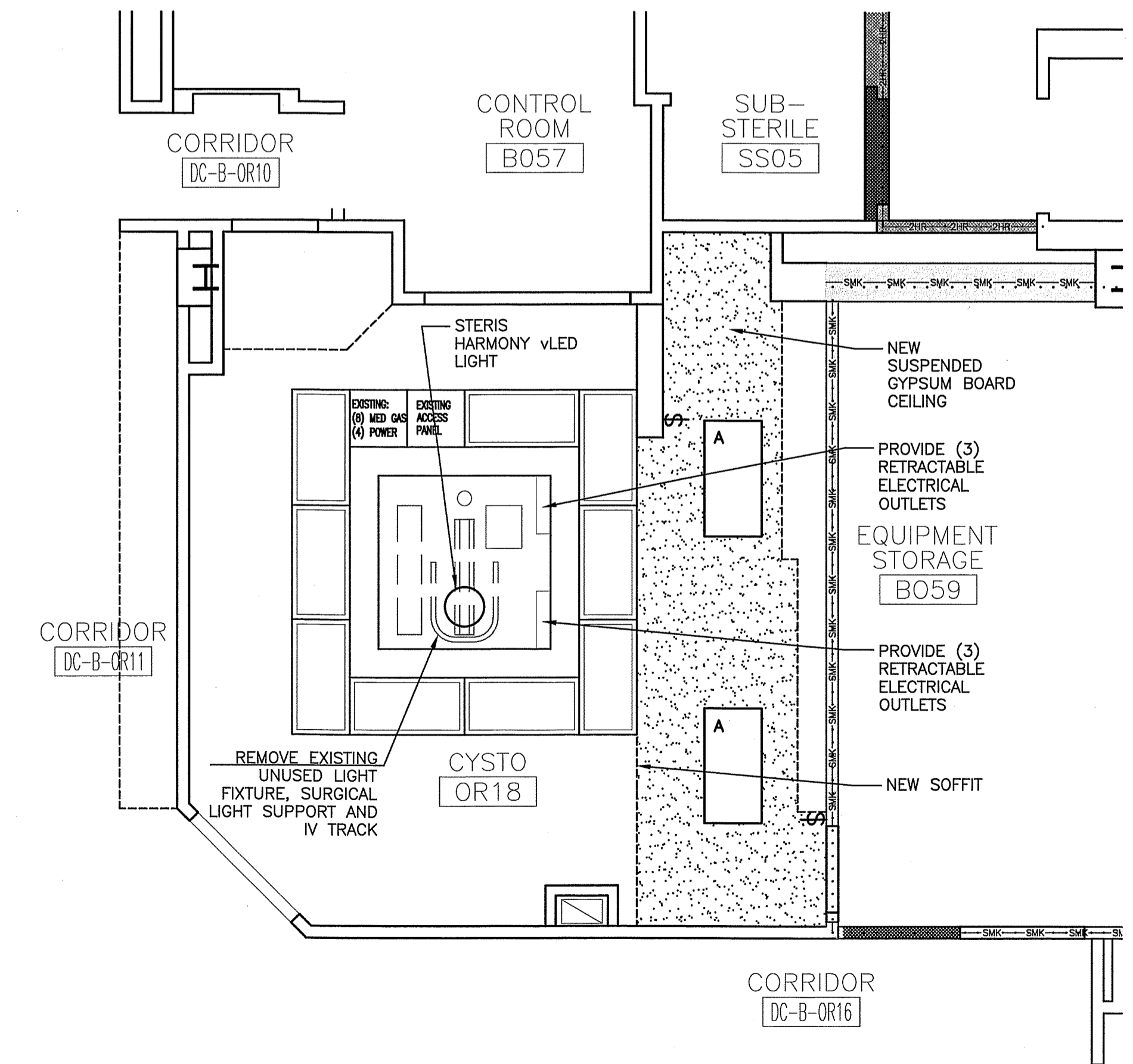


H11 FURNITURE AND EQUIPMENT PLAN

1/4" = 1'-0" REFER TO SIEMANS DRAWINGS FOR ALL RADIOLOGY EQUIPMENT INFORMATION

REFLECTED CEILING PLAN NOTES:

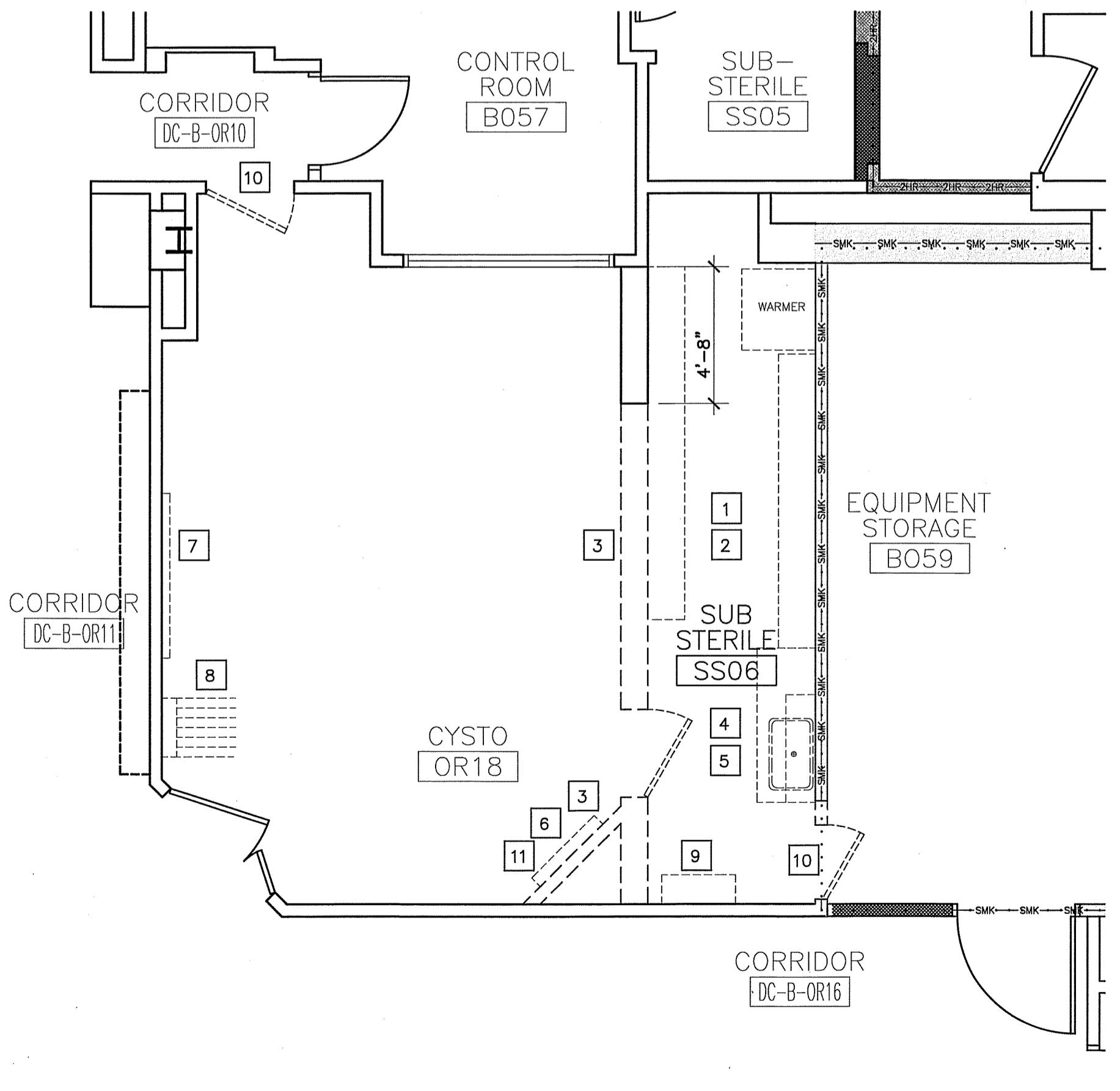
1. VERIFY LOCATION OF NEW LIGHT BOOM AND LIGHT CONTROL. SEE STERIS DRAWINGS FOR INSTALLATION REQUIREMENTS.
2. EXISTING SOFFITS TO REMAIN.



A11 REFLECTED CEILING PLAN

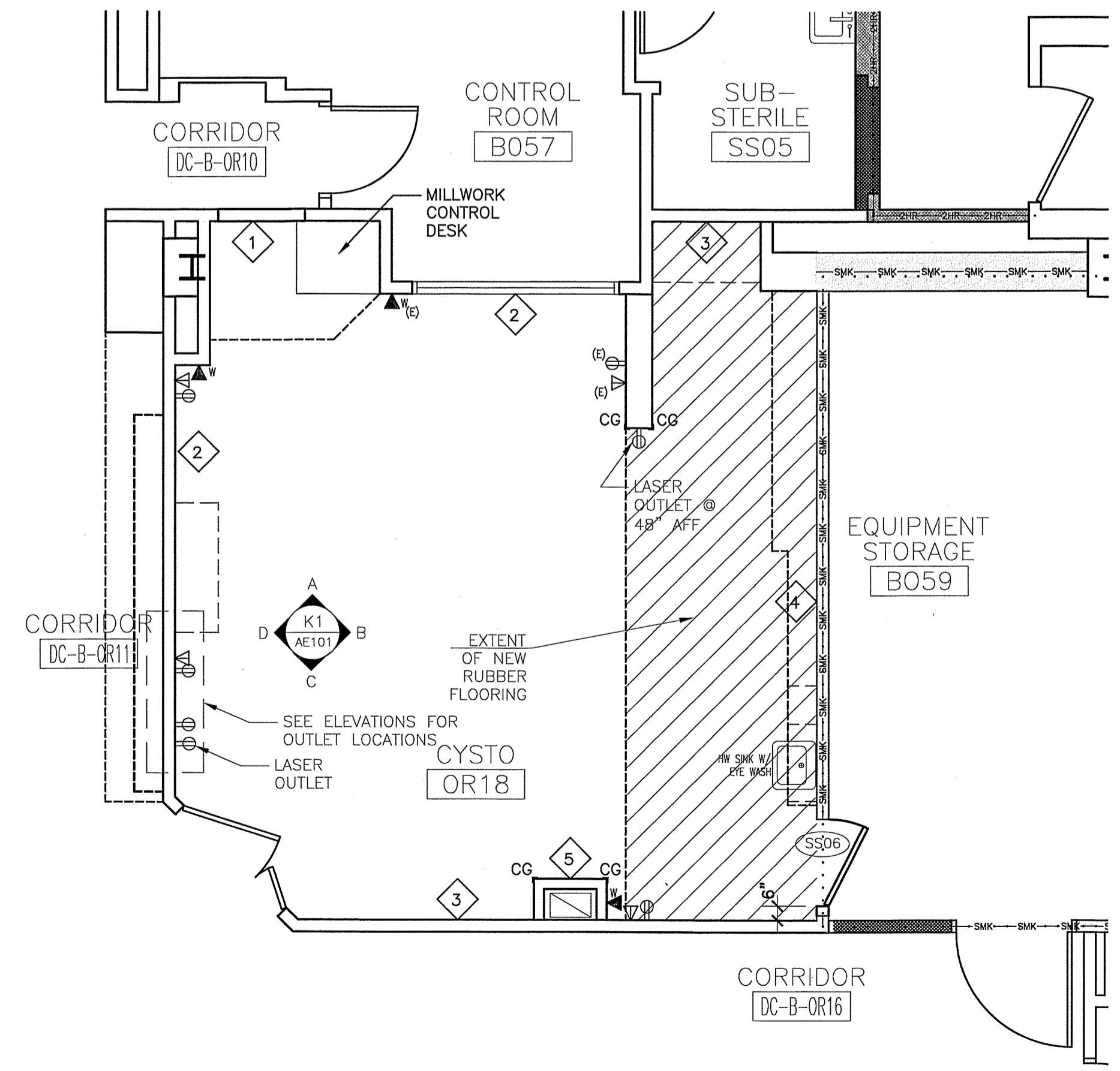
1/4" = 1'-0"

- GENERAL NOTES:**
1. DO NOT SCALE DRAWINGS
 2. FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH WORK. IF DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
 3. ALL DIMENSIONS ARE MEASURED TO FACE OF FINISH AT WALLS AND TO CENTERLINE OF EQUIPMENT.
 4. PROVIDE 2 HR RATED FIRESTOPPING SYSTEM (U.L. RATED) AT FLOOR PENETRATIONS. SEAL PENETRATIONS AT CORRIDOR WALLS TO LIMIT THE TRANSFER OF SMOKE.
 5. PROVIDE BLOCKING FOR ALL WALL-MOUNTED EQUIPMENT.
 6. PATCH HOLES AND CRACKS IN EXISTING WALLS TO RECEIVE NEW PAINT.
 7. PROVIDE FIRESTOPPING AT ALL MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS IN FIRE-RATED PARTITIONS AND FLOOR/ CEILING ASSEMBLIES.
 8. STRUCTURAL, MECHANICAL AND ELECTRICAL DESIGN WILL BE BY DESIGN-BUILD SUBCONTRACTORS. POWER AND DATA LOCATIONS ARE SHOWN FOR REFERENCE.



A1 REMOVALS PLAN

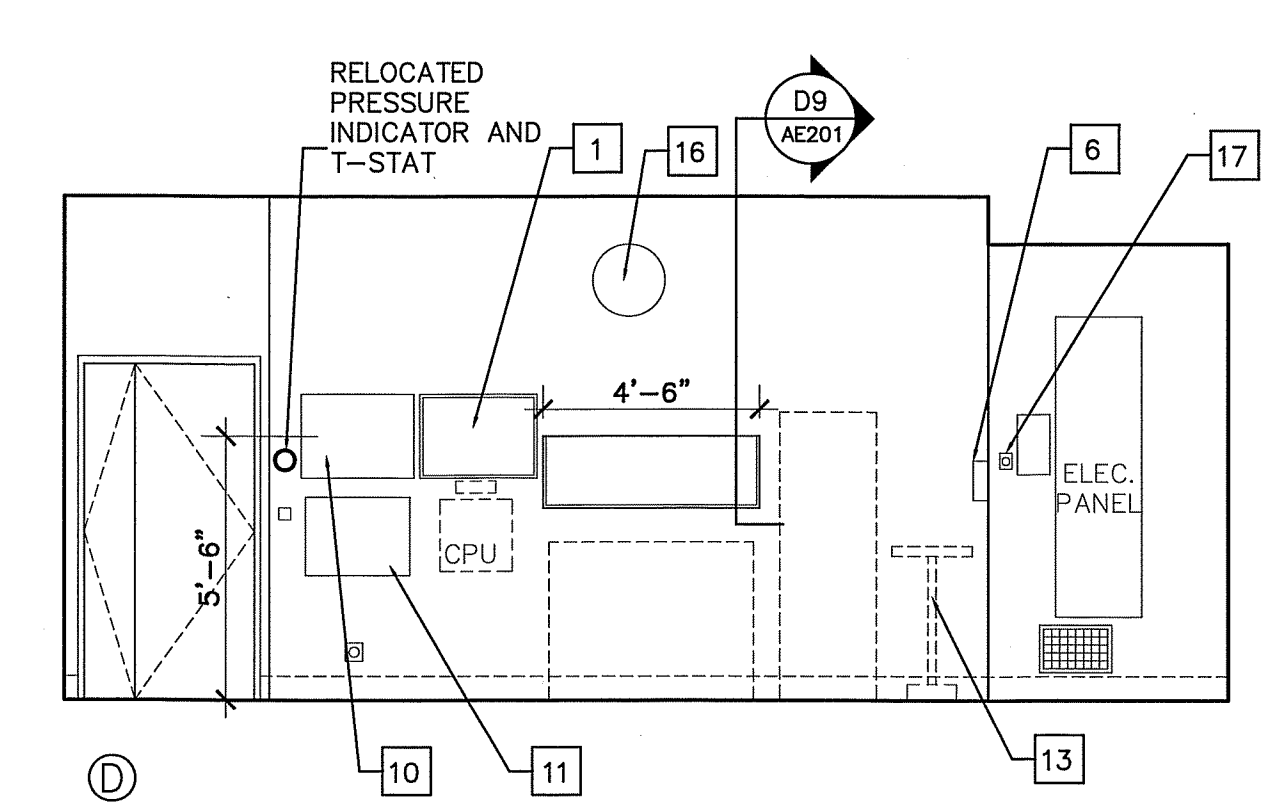
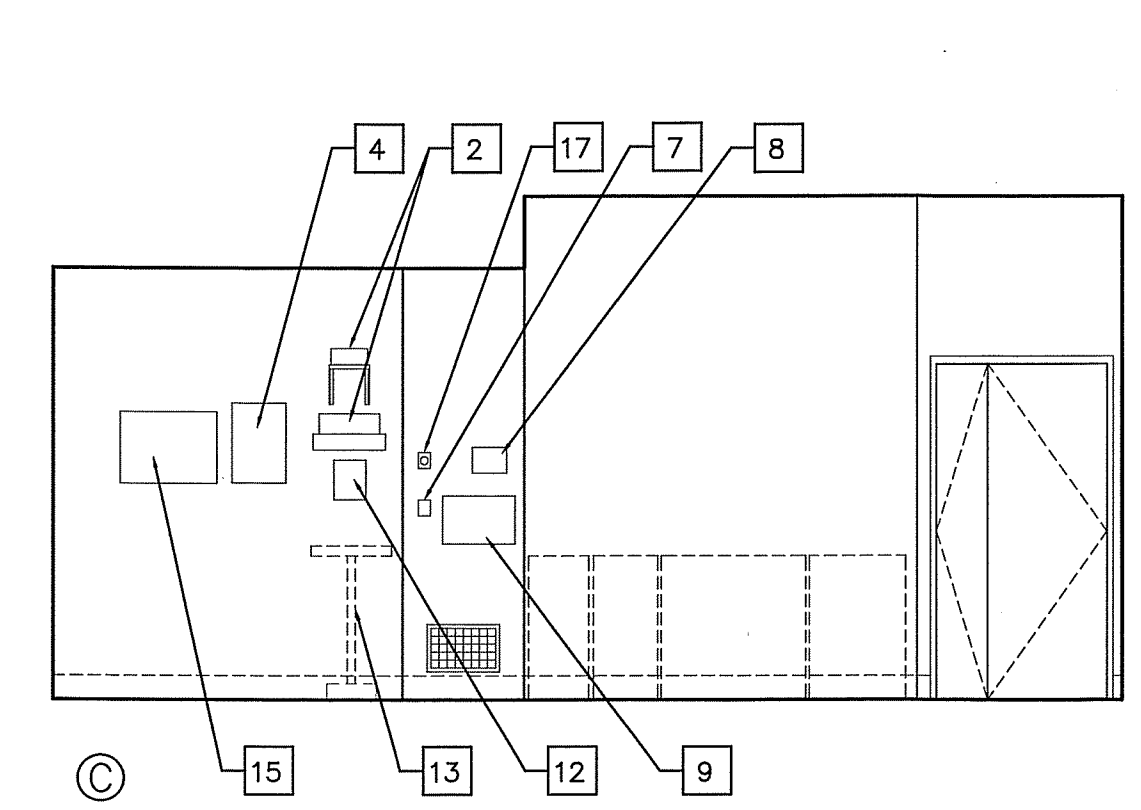
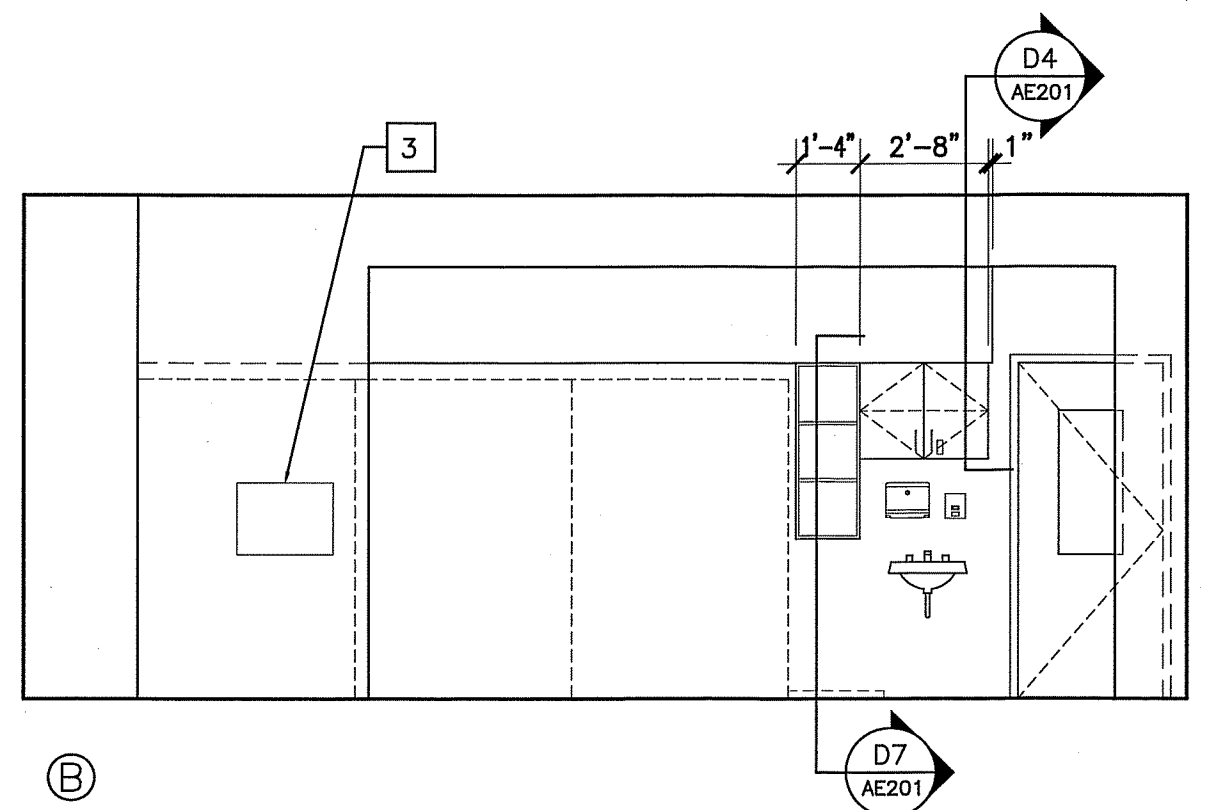
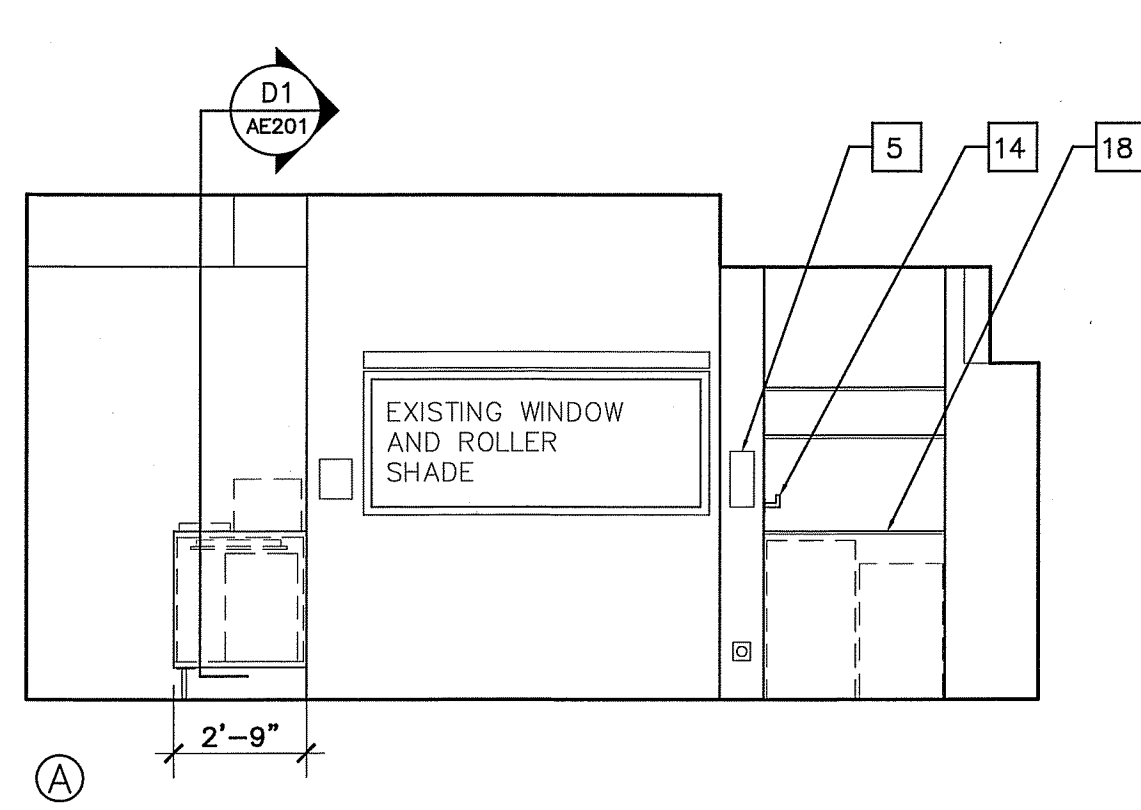
1/4" = 1'-0"



A6 FLOOR PLAN

1/4" = 1'-0" ELEC/ TELE/ DATA LOCATIONS INDICATED FOR REFERENCE

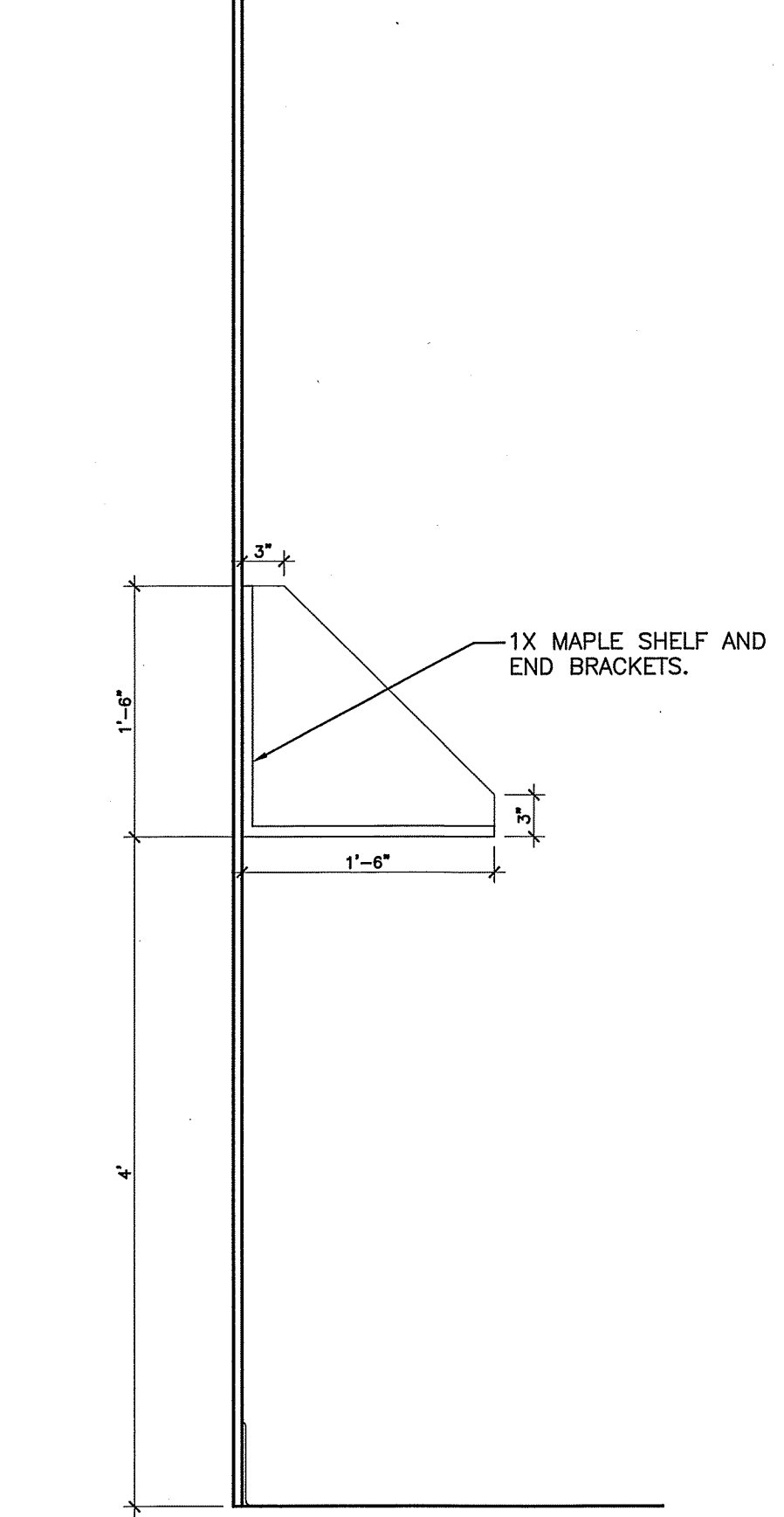
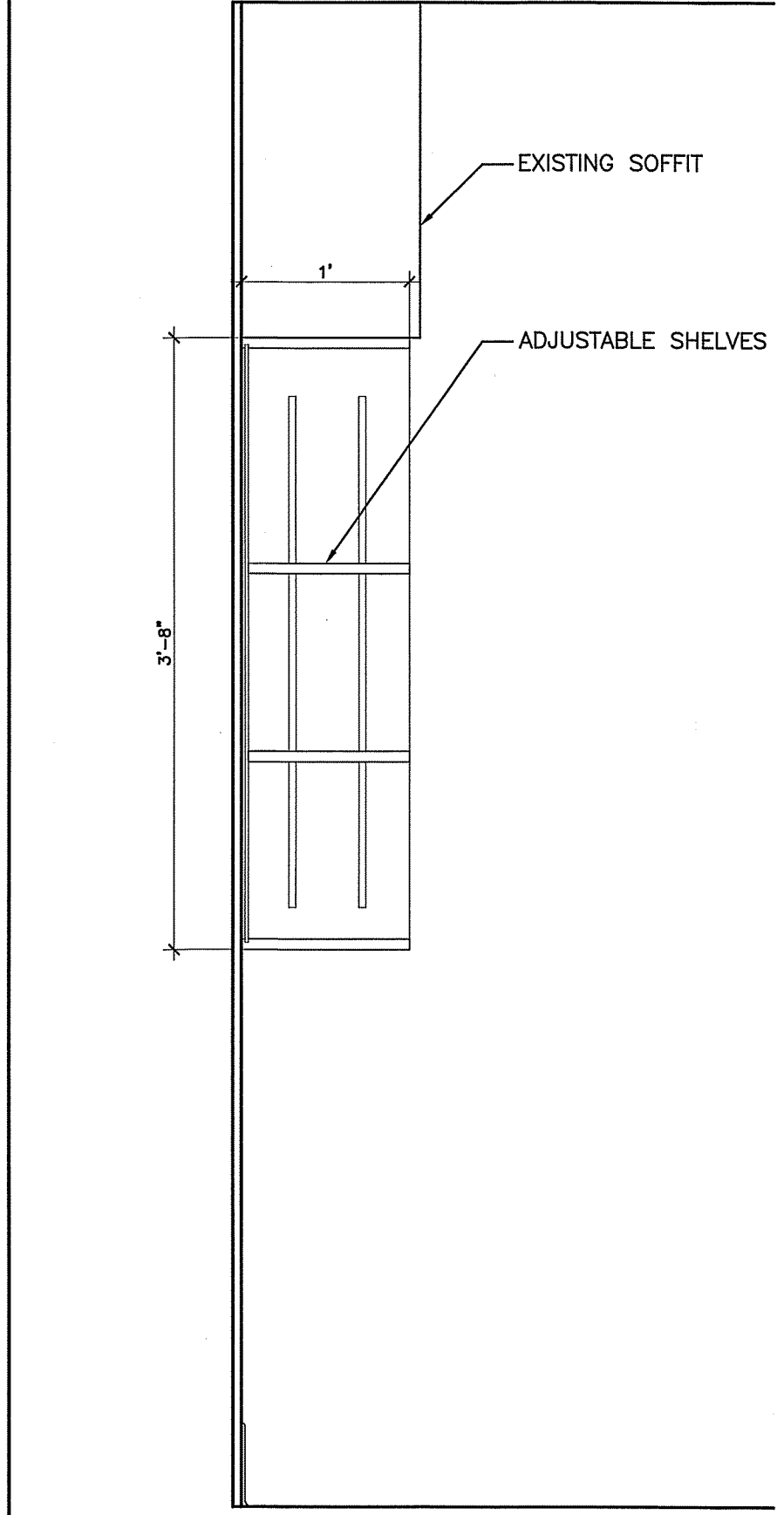
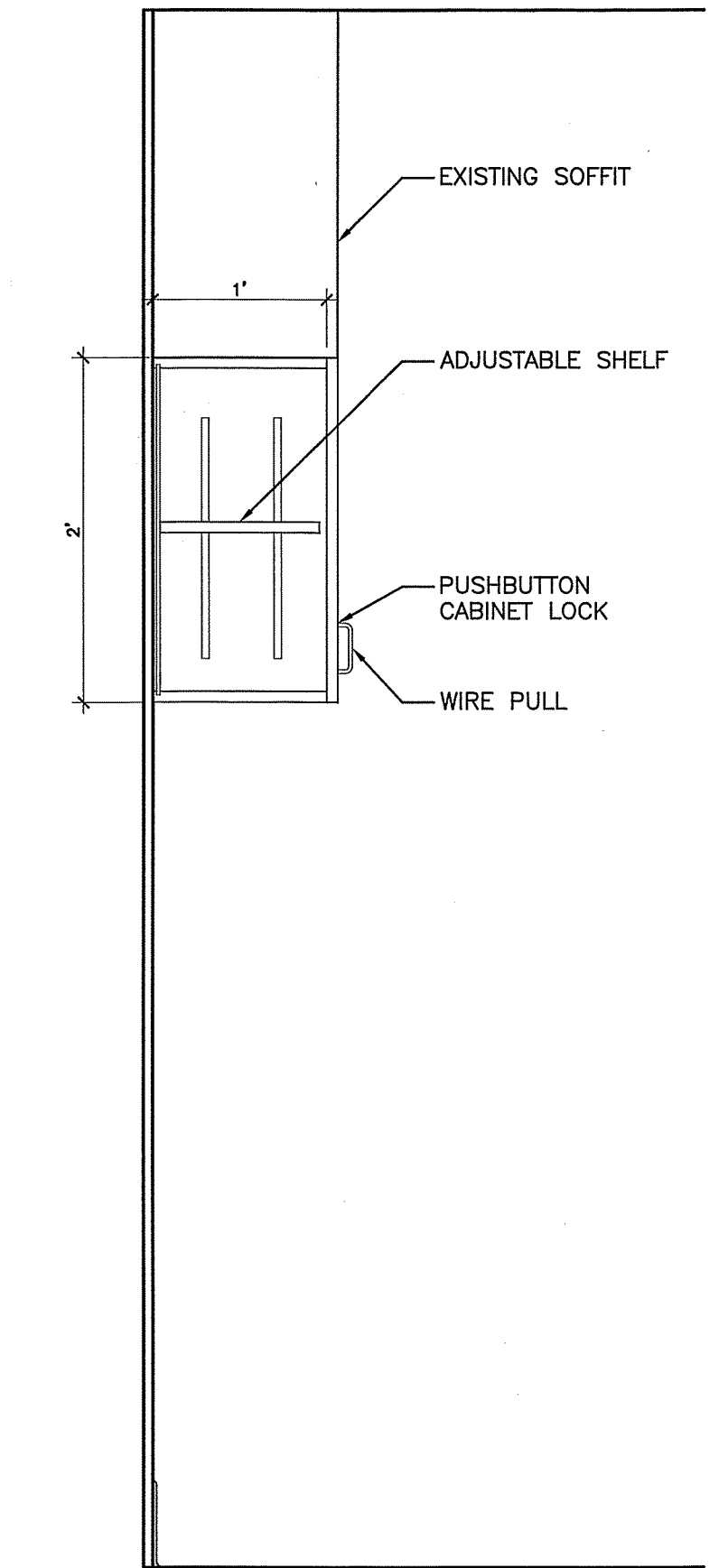
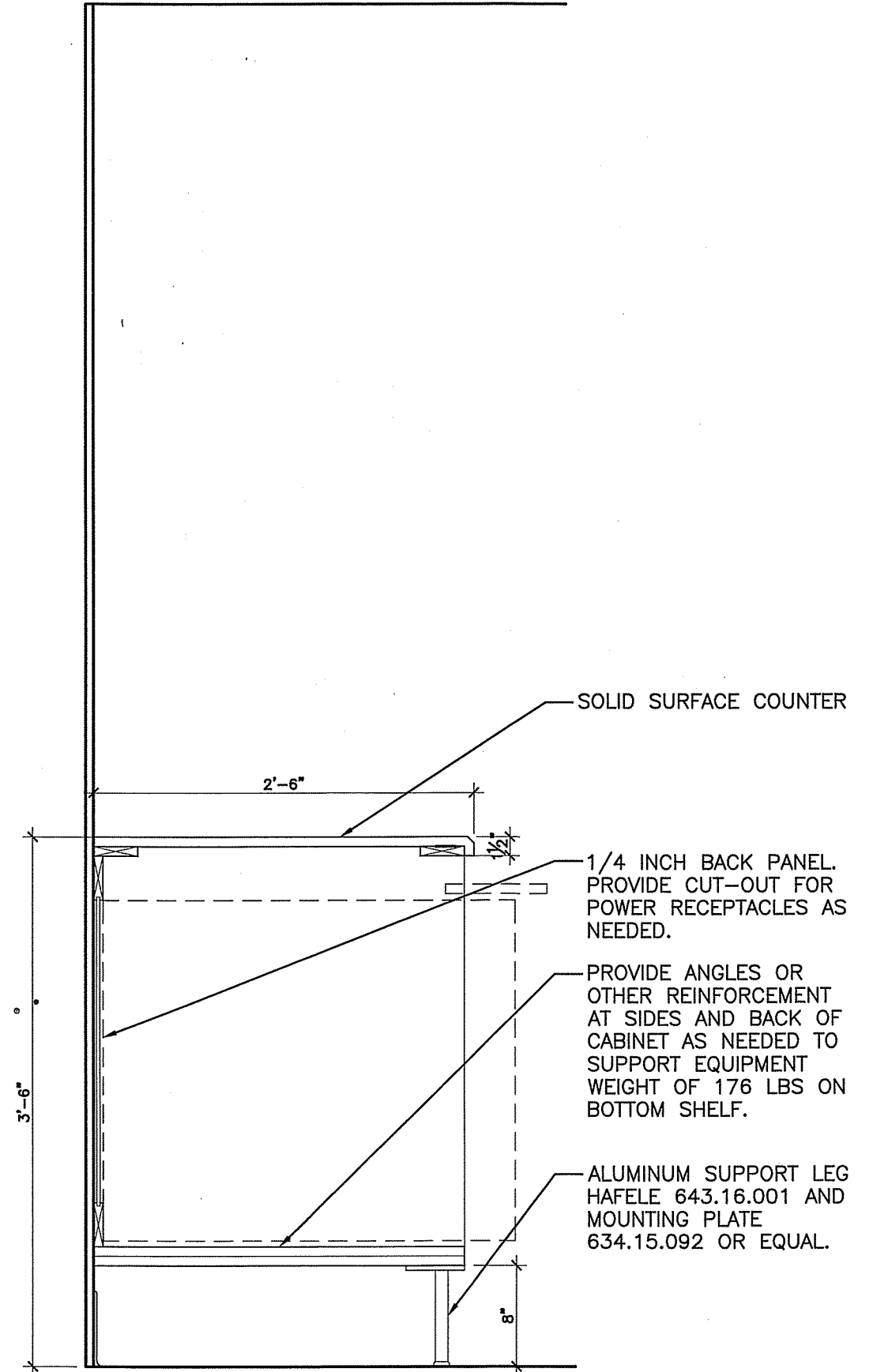
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4/16/12		
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DESIGN GROUP COLLABORATIVE ARCHITECTURE DESIGN + PLANNING 22 FREE STREET PORTLAND, MAINE 04101 (207) 699-3300		
MAINE MEDICAL CENTER CYSTO ROOM 18 RENOVATIONS PORTLAND, MAINE		
REMOVALS, FLOOR PLAN, RCP, EQUIPMENT PLAN		
SHEET TITLE:	4/16/12	GRAPHIC SCALE: 0 1'
DATE:	AS NOTED	
SCALE:	112017	SHEET No.
PROJECT NO.:	CFG	
DRAWN BY:	CFG	AE 101
A/E OF RECORD:	CFG	



- ELEVATION KEY NOTES:**
- 1 PACS MONITOR
 - 2 RELOCATED POWER SUPPLY
 - 3 EXIST. ANESTHESIA WORKSTATION
 - 4 FILE HOLDERS
 - 5 RELOCATED FIRE BLANKET
 - 6 NEW PHONE
 - 7 RELOCATED EMERGENCY CALL
 - 8 LIGHT CONTROL
 - 9 GLOVE BOXES
 - 10 NEW 2-PANEL VIEW BOX, SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
 - 11 NEW X-RAY HOLDER
 - 12 RELOCATED PHONE
 - 13 NEW MOBILE WORKSTATION (BY OWNER)
 - 14 LEAD APRON HOOKS
 - 15 RELOCATED MARKER BOARD
 - 16 EXISTING SYSTEM CLOCK
 - 17 SIEMANS EMERGENCY POWER OFF BUTTON
 - 18 EXISTING SHELVING TO REMAIN (3 SHELVES)

K1 INTERIOR ELEVATIONS

1/4" = 1'-0"



- ELECTRICAL NOTES:**
- ELECTRICAL DESIGN IS BY DESIGN-BUILD SUBCONTRACTOR. LIGHT FIXTURE, VOICE/DATA AND POWER LOCATIONS ARE SHOWN TO COMMUNICATE DESIGN INTENT.
 - SEE SIEMANS DRAWINGS FOR ALL ELECTRICAL REQUIREMENTS RELATED TO RADIOLOGY EQUIPMENT.
 - SEE STERIS DRAWINGS FOR ALL ELECTRICAL REQUIREMENTS RELATED TO NEW EXAM LIGHT AND LIGHT CONTROL.
 - NEW CONVENIENCE POWER RECEPTACLE LOCATIONS ARE SHOWN. EXISTING RECEPTACLES TO REMAIN UNLESS NOTED OTHERWISE.
 - PROVIDE ROUGH-IN FOR VOICE/DATA TO INCLUDE: 1 GANG BACKBOX LOCATED AT 18" AFF WITH 3/4" CONDUIT STUBBED ABOVE THE CEILING. A RUBBER GASKET AND PULL STRING ARE NEEDED AT ALL BACKBOXES.
 - PROVIDE CEILING-MOUNTED RETRACTABLE ELECTRICAL OUTLETS AT LOCATIONS INDICATED ON REFLECTED CEILING PLAN.
 - PROVIDE FIRE ALARM NOTIFICATION DEVICES, EXIT AND EMERGENCY LIGHTING PER CODE REQUIREMENTS.

- LIGHT FIXTURE SCHEDULE**
- FIXTURE TYPE A:**
HOSPITAL STANDARD 2X4 RECESSED FLUORESCENT FIXTURE WITH ACRYLIC LENS SUITABLE FOR O.R. ENVIRONMENT. PROVIDE DIMMING BALLAST TO BE CONTROLLED SEPARATELY FOR EACH FIXTURE.
- MECHANICAL/PLUMBING/FIRE SUPPRESSION NOTES:**
- MECHANICAL, PLUMBING AND FIRE PROTECTION DESIGN IS BY DESIGN-BUILD SUBCONTRACTORS.
 - COORDINATE GRILLE AND DIFFUSER LOCATIONS WITH LIGHT FIXTURES, AND CUBICLE CURTAIN TRACK LOCATIONS SHOWN ON REFLECTED CEILING PLAN.
 - PLUMBING FIXTURE LOCATIONS ARE SHOWN TO COMMUNICATE DESIGN INTENT. PROVIDE ADA PLUMBING FIXTURES PER HOSPITAL'S STANDARDS.
 - MODIFY/ADJUST EXISTING SPRINKLER SYSTEM TO PROVIDE FIRE SUPPRESSION PER NFPA 13.

- CASEWORK SPECIFICATIONS:**
- PLASTIC LAMINATE CABINETS:** AWI CUSTOM GRADE, PLASTIC LAMINATE. PROVIDE FINISHED END PANELS AT EXPOSED SURFACES. COLOR AND PATTERN TO BE SELECTED.
- SOLID SURFACE COUNTERTOP:** CORIAN, COLOR TO BE SELECTED.

D1 CASEWORK DETAIL

D4 CASEWORK DETAIL

D7 CASEWORK DETAIL

D9 WOOD SHELF DETAIL

1/4" = 1'-0"

1/4" = 1'-0"

1/4" = 1'-0"

1/4" = 1'-0"

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR				WALL				CEILING		REMARKS
		MAT'L	BASE	NORTH	EAST	SOUTH	WEST	MAT'L	HEIGHT			
OR18	CYSTO ROOM A18	EXIST./RUBBER	SELF COVE	PTD-1	PTD-1	PTD-1	PTD-1	GYP/PTD	EXISTING	1, 2		

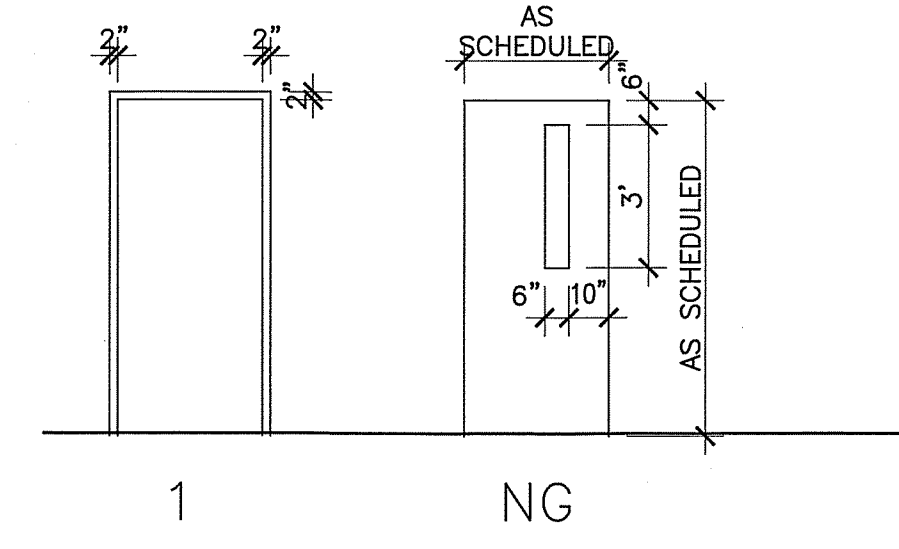
- FINISH SCHEDULE REMARKS KEY:**
- PAINT CORRIDOR WALLS AND CEILINGS AFFECTED BY NEW WORK.
 - PATCH RUBBER FLOORING AND SELF-COVED BASE AT AREAS AFFECTED BY NEW WORK.

DOOR SCHEDULE

DOOR NO.	DOOR		GLAZE	FRAME MAT'L	ELEV	HWS	FIRE RTG. (MIN.)	REMARKS
	SIZE	ELEVATION						
SS06	3'-0" X 7'-0"	NG	TEMP.	HM	1	1	45	PROVIDE LEAD SHIELDING AT DOOR, FRAME AND GLAZING, 1/32" THICK (MIN.)

- DOOR HARDWARE:**
- HINGES, HOSPITAL LATCH, DOOR CLOSER, WALL STOP.

- FINISH SPECIFICATIONS:**
- RUBBER FLOORING:** MATCH EXISTING
- BASE:** 6" SELF-COVED BASE. MATCH EXISTING.
- PAINT:** PAINT NEW AND EXISTING WALLS AND TRIM AS INDICATED, TO MATCH EXISTING MATERIAL AND COLORS. PROVIDE ONE FINISH COAT AT EXISTING SURFACES. PROVIDE PRIMER AND 2 COATS AT NEW SURFACES.



A1 DOOR AND FINISH SCHEDULES

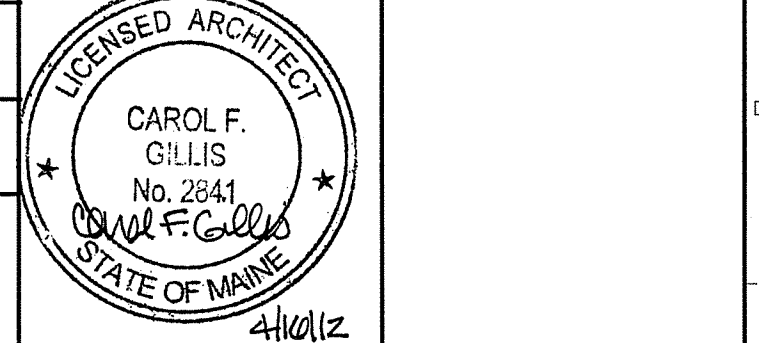
A11 DOOR AND FRAME ELEVATIONS

N.T.S.

1/4" = 1'-0"

ISSUED FOR CONSTRUCTION
4/16/12

CURRENT ISSUE STATUS:



DESIGN GROUP COLLABORATIVE
ARCHITECTURE DESIGN + PLANNING
22 FREE STREET
PORTLAND, MAINE 04101
(207) 699-3300

MAINE MEDICAL CENTER
CYSTO ROOM 18 RENOVATIONS
PORTLAND, MAINE

INTERIOR ELEVATIONS, DETAILS AND SCHEDULES

SHEET TITLE: _____

DATE: 4/16/12 GRAPHIC SCALE: 1" = 1'-0"

SCALE: AS NOTED

PROJECT NO. 112017 SHEET NO. _____

DRAWN BY: CFC

A/E OF RECORD: CFC

AE 201

MAINE MEDICAL CENTER

22 Bramhall St
Portland, ME 04102-3134

UROSKOP ACCESS



Contents:

Sheet No.	Description
A-101	EQUIPMENT PLAN-LEGEND, DETAILS AND NOTES
A-102	REFLECTED CEILING, SAFETY/SERVICE CLEARANCE PLAN
S-101	STRUCTURAL PLAN-DETAILS AND NOTES
E-101	ELECTRICAL PLAN(S)-LEGEND AND NOTES
E-102	ELECTRICAL PLAN-LEGEND AND NOTES

Project Contacts:

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Project Manager
Rich Deister
Phone: (207) 712-3205

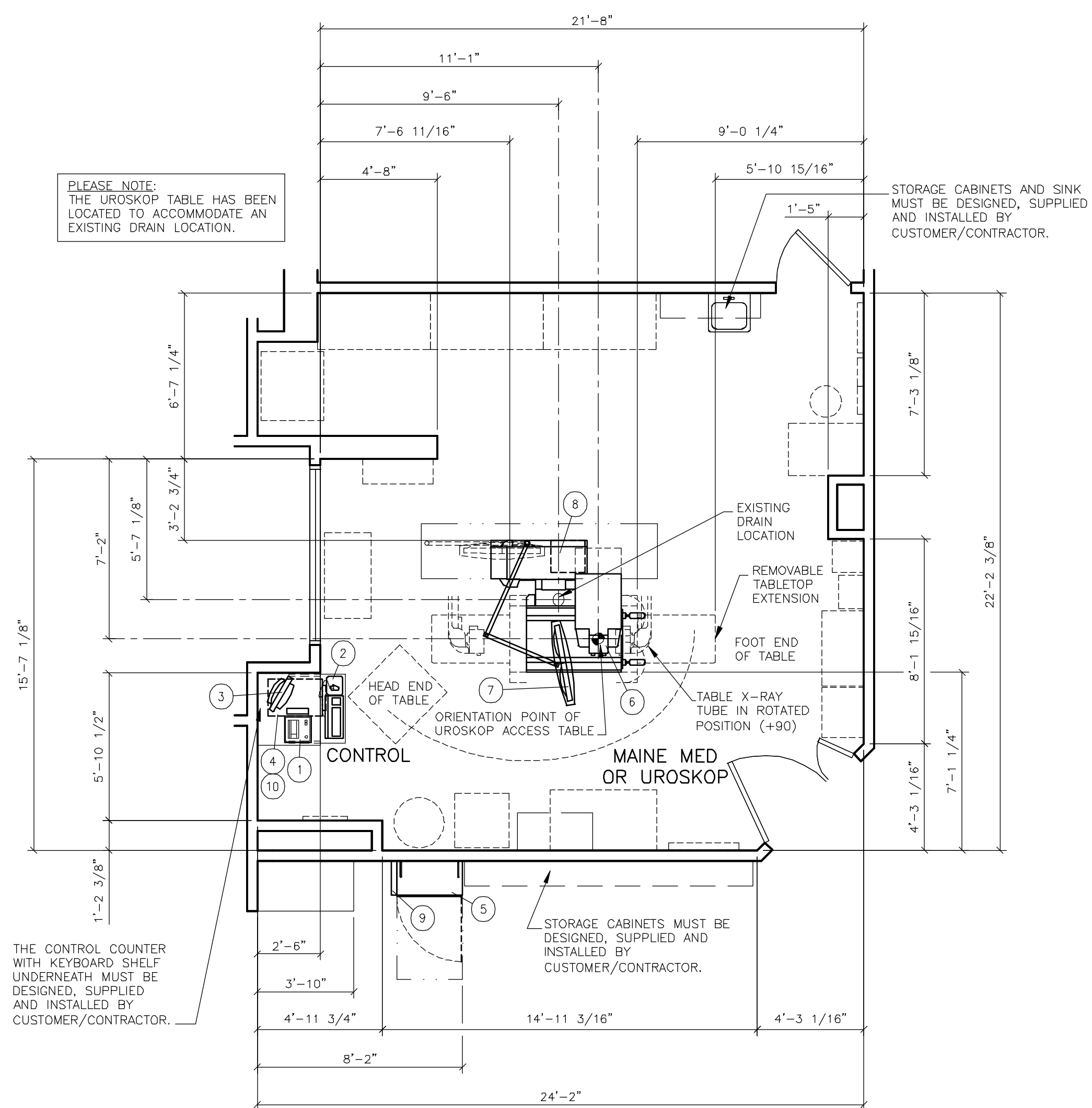
Maine Medical Center
Customer Contact
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Planner
Joe Balcom

Project #: 1102790

SIEMENS
SIEMENS MEDICAL SOLUTIONS
51 Valley Stream Parkway
Malvern, PA 19355
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PLEASE NOTE:
THE UROSKOP TABLE HAS BEEN LOCATED TO ACCOMMODATE AN EXISTING DRAIN LOCATION.

STORAGE CABINETS AND SINK MUST BE DESIGNED, SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

THE CONTROL COUNTER WITH KEYBOARD SHELF UNDERNEATH MUST BE DESIGNED, SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

STORAGE CABINETS MUST BE DESIGNED, SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

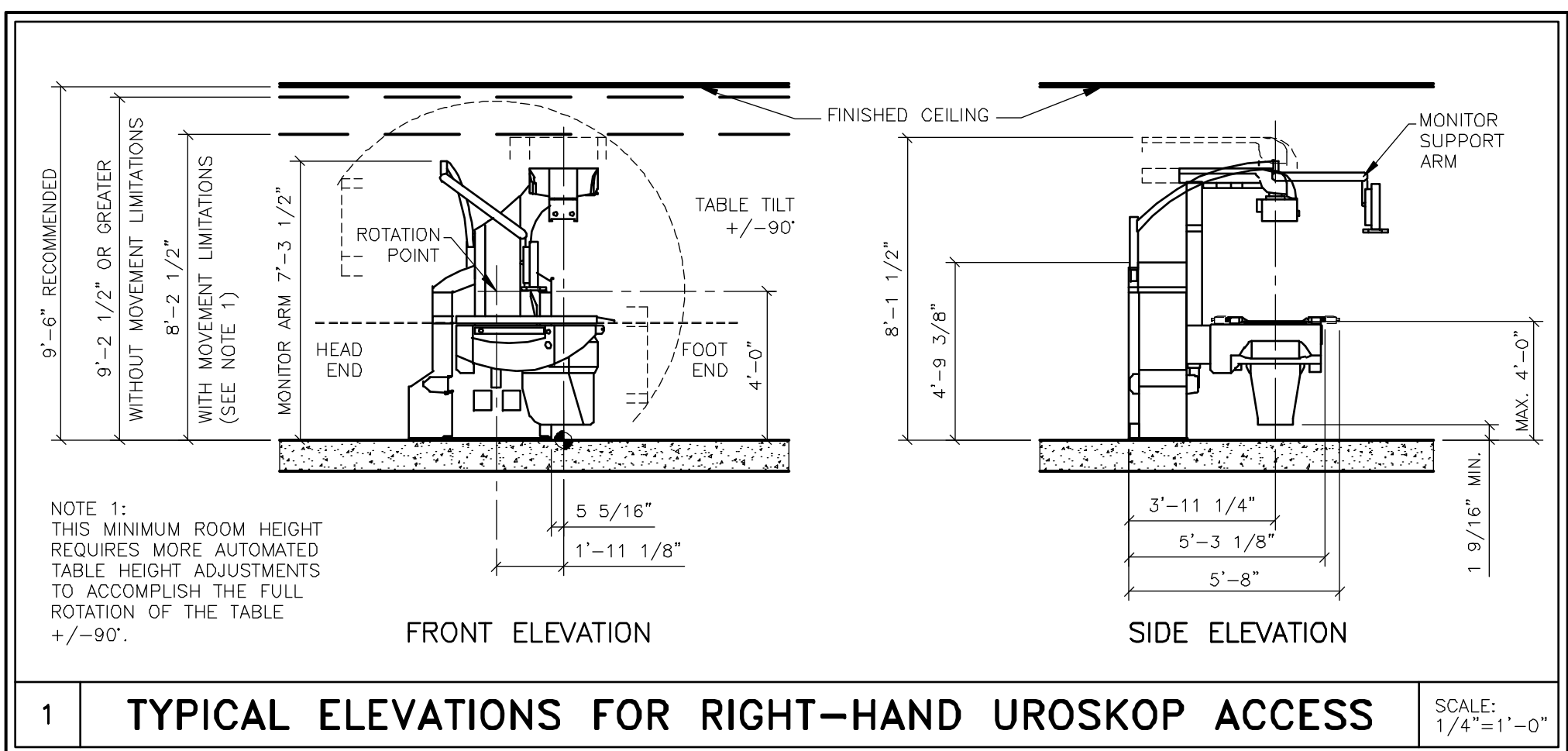
EXAM RESTRICTIONS:
NOT APPLICABLE

WARNING NOTES:
1. DUE TO THE LOCATION OF THE CONTROL ROOM, VIEWING OF THE PATIENT WILL NOT BE POSSIBLE, WHEN UROSKOP TABLE IS TILTED +90 DEGREES.

THIS SET OF FINAL DRAWINGS IS REFLECTIVE OF THE LATEST SALES CONFIGURATION. ANY CHANGES TO THIS SALES CONFIGURATION MAY REQUIRE A REVISION TO THIS PROJECT PLAN. IF REQUESTED, SIEMENS WILL PRODUCE A REVISED SET OF FINAL DRAWINGS TO REFLECT THE CHANGES, HOWEVER SIEMENS IS NOT RESPONSIBLE FOR ANY CONSTRUCTION COSTS ASSOCIATED WITH THE CHANGES THAT OCCUR FROM THIS PLAN MODIFICATION.

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

ARCHITECTURAL EQUIPMENT PLAN



NOTE 1:
THIS MINIMUM ROOM HEIGHT REQUIRES MORE AUTOMATED TABLE HEIGHT ADJUSTMENTS TO ACCOMPLISH THE FULL ROTATION OF THE TABLE +/-90°.

FRONT ELEVATION

SIDE ELEVATION

1 TYPICAL ELEVATIONS FOR RIGHT-HAND UROSKOP ACCESS

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

EQUIPMENT LEGEND									
NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES)			REMARKS	
					W	D	H		
1	CONTROL CONSOLE & REMOTE CONTROL	Ⓚ	6	68	12 5/8	12 5/8	2	ON COUNTER	
2	IMAGING SYSTEM KEYBOARD AND MOUSE	Ⓚ	17	55	20 7/16	8 5/8	1 5/8	ON COUNTER	
3	COLOR FLAT DISPLAY 19"	Ⓚ	20	239	-	-	-	ON COUNTER	
4	IMAGING SYSTEM	Ⓚ	176	3,072	18	32 1/2*	27*	*INCLUDES 5 1/8" BEHIND AND 4" ABOVE CONTAINER.	
5	POLYDOORS-SX80 GENERATOR CABINET	Ⓚ	641	3,072	31 1/2	17	84 1/2		
6	UROSKOP ACCESS TABLE (RIGHT-HAND VERSION)	Ⓚ	2,756	1,707	113	76	97 1/2		
7	SUPPORT ARM WITH 2-FLAT DISPLAY MONITORS	Ⓚ	40	239	-	-	-	MOUNTED ON UROSKOP TABLE	
8	ENDOSCOPY SHELF	Ⓚ	-	-	15 3/8	16 9/16	1	MOUNTS ON UROSKOP TABLE STAND	
9	CABLE STORAGE	Ⓚ	-	-	2 1/2	16	84 1/2	MTD ALONG GENERATOR SIDE	
10	COMPACT DISC RECORDER	Ⓚ	-	-	-	-	-	INSIDE IMAGING SYSTEM	

ENVIRONMENTAL CONDITIONS		
UROSKOP ACCESS SYSTEM		
	IN OPERATION	TRANSPORT
PERMISSIBLE AMBIENT TEMPERATURE	50°F TO 95°F	-4°F TO 158°F
PERMISSIBLE RELATIVE HUMIDITY	15 TO 75%	10 TO 95%

TRANSPORTING REQUIREMENTS		
UROSKOP ACCESS SYSTEM		
	TABLE UNIT SUPPORT	UNIT BASE
LARGEST CRATE SIZE	92 3/4"L X 50 1/2"W X 65"H	68 1/8"L X 39 3/8"W X 67"H
HEAVIEST SINGLE PIECE WEIGHT	1,257 LBS.	1,455 LBS.
MINIMUM DOOR WIDTH	MIN. 47 1/4"	MIN. 36 1/4"
MINIMUM FREIGHT ELEVATOR SIZE (WITH TRANSPORT DEVICE)	95"L X 50"W X 60"H	79"L X 40"W X 67"H
LARGEST SINGLE PART WITHOUT PACKING (WITH WHEELS)	94 1/8"L X 46 7/8"W X 58 3/8"H	72 7/8"L X 35 1/2"W X 63"H

EXAMPLE OF TRANSPORT ROUTE:

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.

MINIMUM CEILING HEIGHT W/RESTRICTION	CEILING HEIGHT WITHOUT RESTRICTION	RECOMMENDED CEILING HEIGHT
8'-2 1/2"	9'-2 1/4"	9'-6"

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.

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

* OPTIONAL SWITCH AND CABLES ARE NOT INCLUDED, BUT CAN BE ORDERED FROM SIEMENS.

2 SIEMENS REMOTE SERVICE SCALE: NONE

ROOM MEASUREMENTS

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

ARCHITECTURAL NOTES

- 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 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 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.
- 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.
- THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA PREPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND INSPECTION FEES.
- 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.
- ALL DIMENSIONS SHOWN ARE TAKEN FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
- 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 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.
- 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.
- 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. OUR LIGHTS, MEDICAL GAS COLUMNS, PHYSIOLOGICAL MONITORING INJECTORS, CRT PLATFORMS, SPRINKLER HEADS, SMOKE DETECTORS, ELECTRICAL OUTLETS, HVAC GRILLES, SPEAKERS, AND GENERAL ROOM LIGHTING, ETC.).
- THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR 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.
- 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 INSTALLATION.
- A SECURE AREA (APPROXIMATELY 10' X 15') IS AVAILABLE AT EQUIPMENT DELIVERY FOR PARTS AND INSTALLATION TOOLS.
- CUSTOMER SUPPLIED CAMERAS AND PROCESSORS INSTALLED.
- 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.

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
UROSKOP ACCESS PG	SPL5-330.891.01.13.02	08.11

UROSKOP ACCESS 11/21/11

PROJECT MANAGER: RICH DEISTER
TEL: (207) 712-3205
VMAIL: EXT:
FAX: (207) 939-3776
EMAIL: RICH.DEISTER@SIEMENS.COM

SIEMENS

MAINE MEDICAL CENTER
22 BRAMHALL ST, PORTLAND, ME 04102-3134
MAINE MED OR UROSKOP - UROSKOP ACCESS

PROJECT #: **1102790** SHEET: **A-101**

SHEET 1 OF 5 DRAWN BY: J. BALCOM
DATE: 04/10/12 CHECKED:

SYM	DATE	DESCRIPTION
	04/10/12	R-101 RB DATED 03/07/12 APPROVED BY CUSTOMER FOR FINALS
-ISSUE BLOCK-		
SCALE:	AS NOTED	REF. # 30152240

ATTENTION:

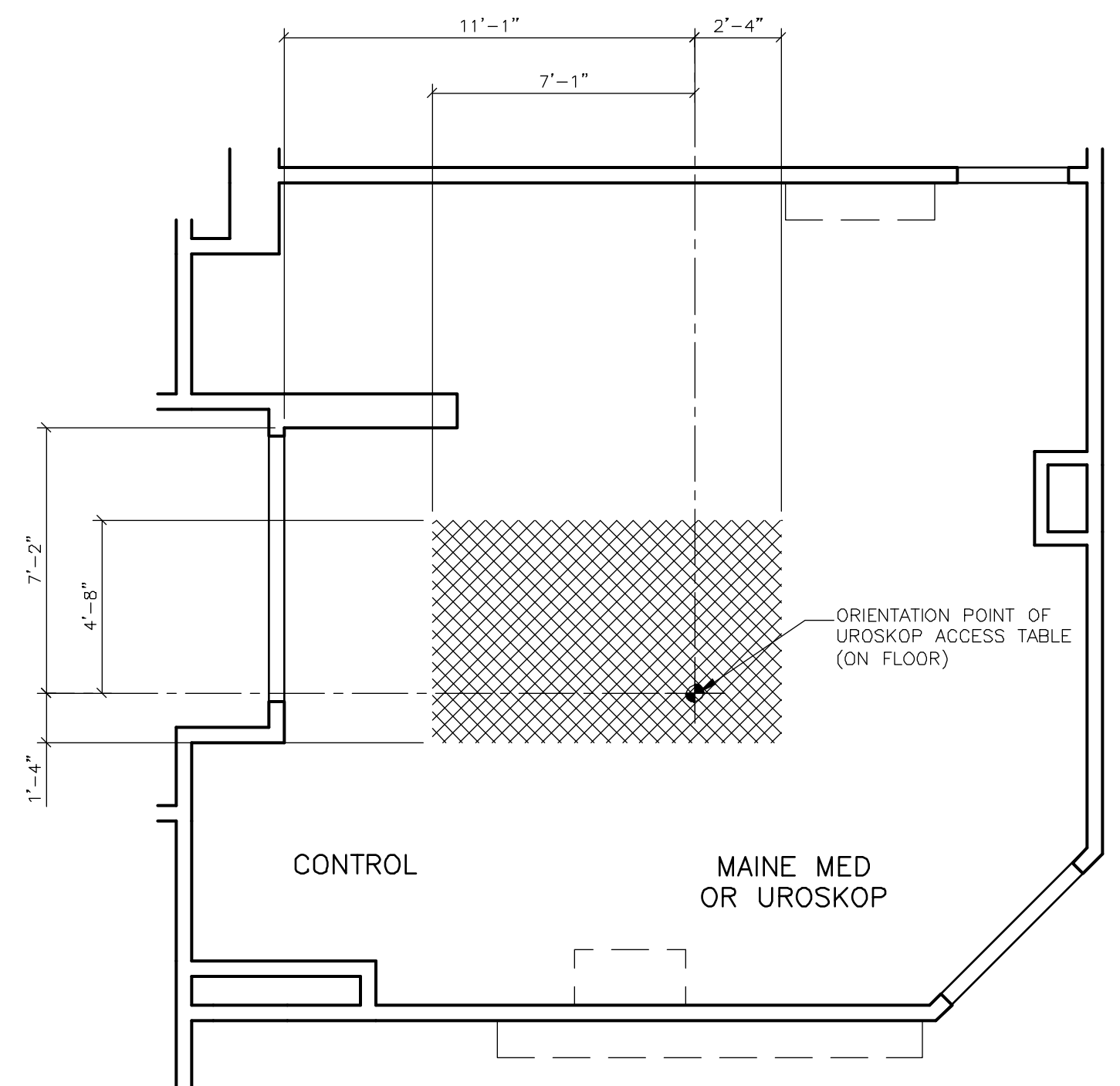
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- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD NOT BE SEPARATED.

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

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- 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.



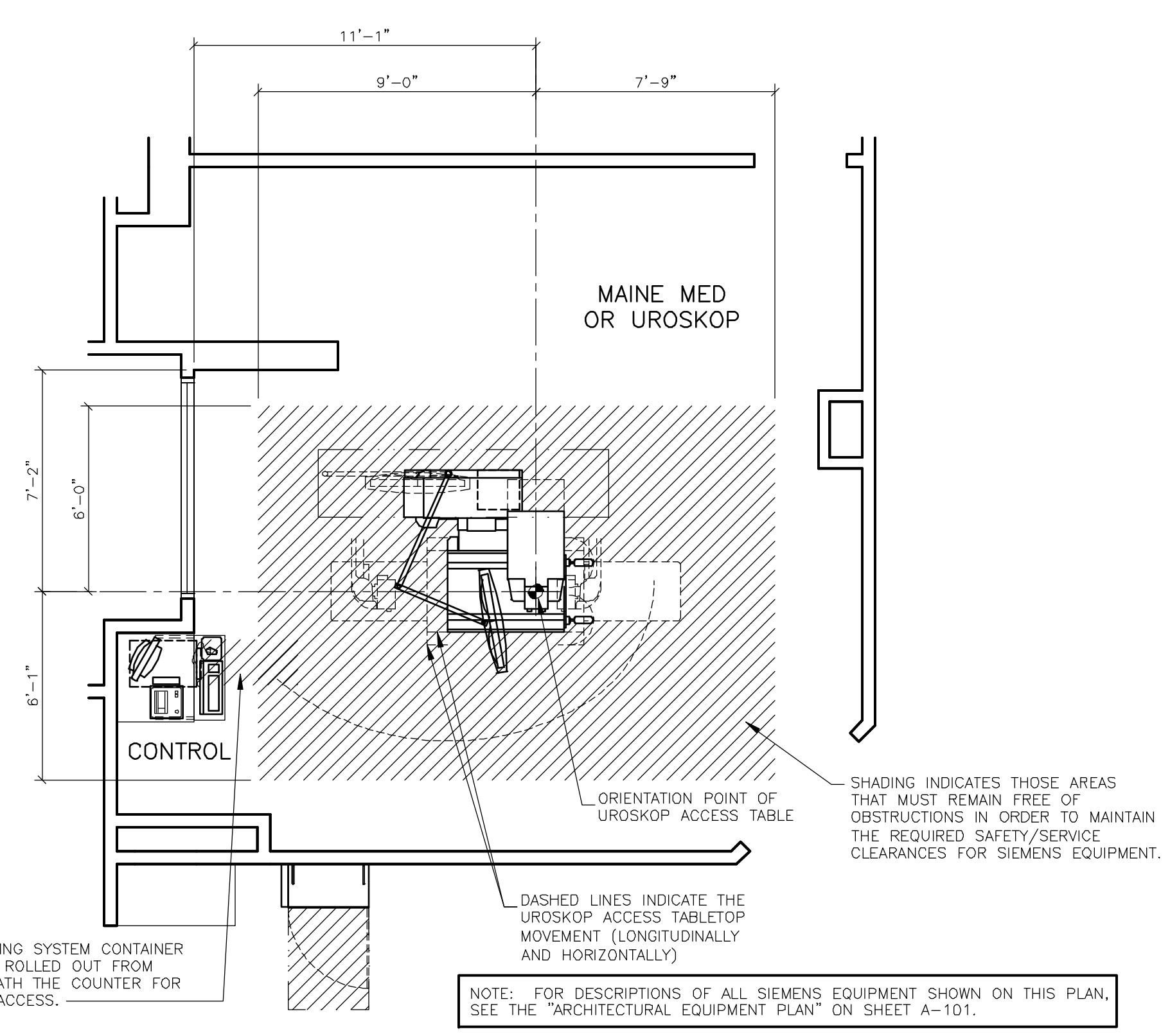
NOTE: SEE THE "STRUCTURAL CEILING PLAN" ON SHEET S-101 FOR DIMENSION LOCATIONS AND DESCRIPTIONS OF ALL ITEMS SHOWN ON THIS PLAN.

⚠ THE SHADED AREA MUST NOT CONTAIN ITEMS THAT EXTEND BELOW THE FINISHED CEILING.

ALL CEILING FEATURES AND FIXED MOUNTED EQUIPMENT, LOCATED OUTSIDE THE SHADED AREA, MUST NOT EXTEND BELOW 7'-9" ABOVE THE FINISHED FLOOR TO AVOID COLLISION WITH THE TABLE MOUNTED MONITOR SUSPENSION.

REFLECTED CEILING PLAN

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



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 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 HEALTHCARE (SHC) IS ONLY RESPONSIBLE FOR THE SUPPLYING, INSTALLING AND CALIBRATION OF SHC EQUIPMENT AS SPECIFIED ON THE EQUIPMENT LEGEND 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 ARCHITECTURAL EQUIPMENT PLAN (SHEET A-101). ANY CHANGES TO THE SHC EQUIPMENT CONFIGURATION AS SHOWN, DUE TO PLACEMENT OF LIGHTING, STRUCTURAL, ELECTRICAL AND MECHANICAL SYSTEMS MUST BE APPROVED IN WRITING BY THE SHC PROJECT MANAGER PRIOR TO THE COMPLETION OF CONSTRUCTION DOCUMENTS.

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 DIMMER CONTROL CAN BE ADDED. IN THIS CASE, INCANDESCENT LIGHTING IS RECOMMENDED FOR THIS PURPOSE. FLUORESCENT DIMMING IS NOT RECOMMENDED.

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.

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
0.05mT (0.5 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

MINIMUM CEILING HEIGHT W/RESTRICTION	CEILING HEIGHT WITHOUT RESTRICTION	RECOMMENDED CEILING HEIGHT
8'-2 1/2"	9'-2 1/4"	9'-6"

PROJECT MANAGER: RICH DEISTER TEL: (207) 712-3205 VMAIL: (207) 929-3776 FAX: (207) 929-3776 EMAIL: RICH.DEISTER@SIEMENS.COM		SIEMENS	
MAINE MEDICAL CENTER			
22 BRAMHALL ST, PORTLAND, ME 04102-3134 MAINE MED OR UROSKOP - UROSKOP ACCESS			
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		PROJECT #: 1102790	SHEET: A-102
ALL RIGHTS ARE RESERVED.		SHEET 2 OF 5 DRAWN BY: J. BALCOM	
SYMBOL	DATE	DESCRIPTION	SCALE: AS NOTED
	04/10/12	R-101 RB DATED 03/07/12 APPROVED BY CUSTOMER FOR FINALS	REF. # 30152240
-ISSUE BLOCK-			
DATE: 04/10/12		CHECKED:	

ATTENTION:

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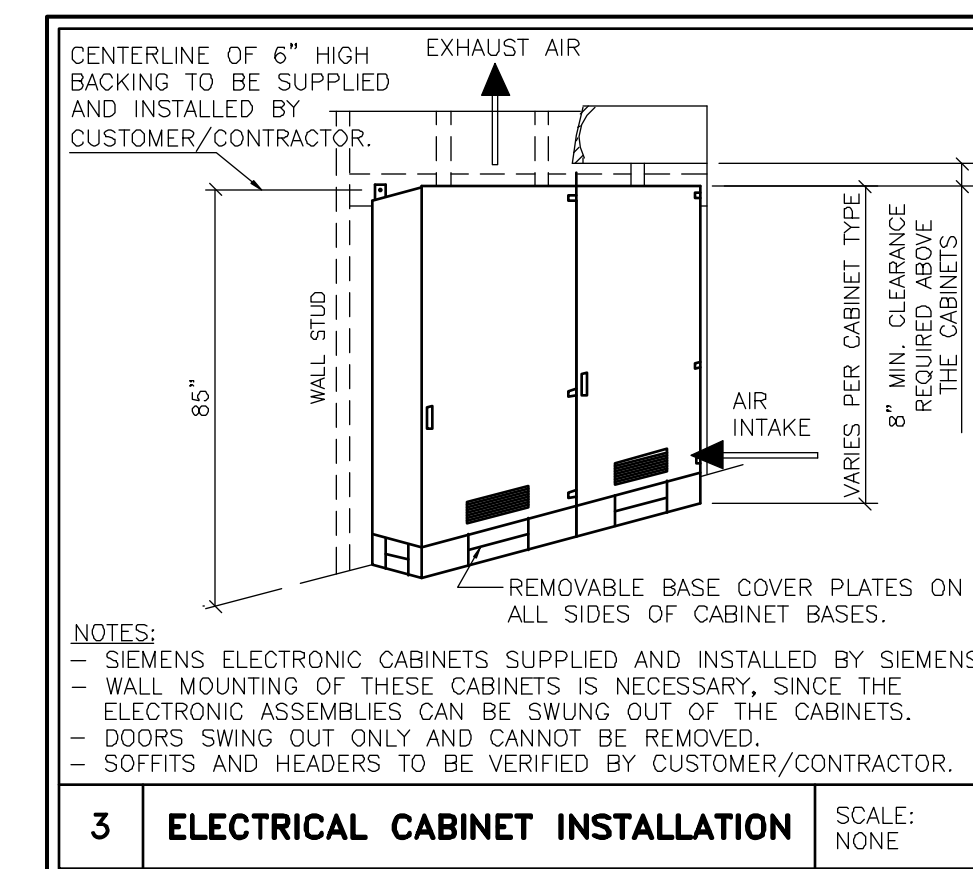
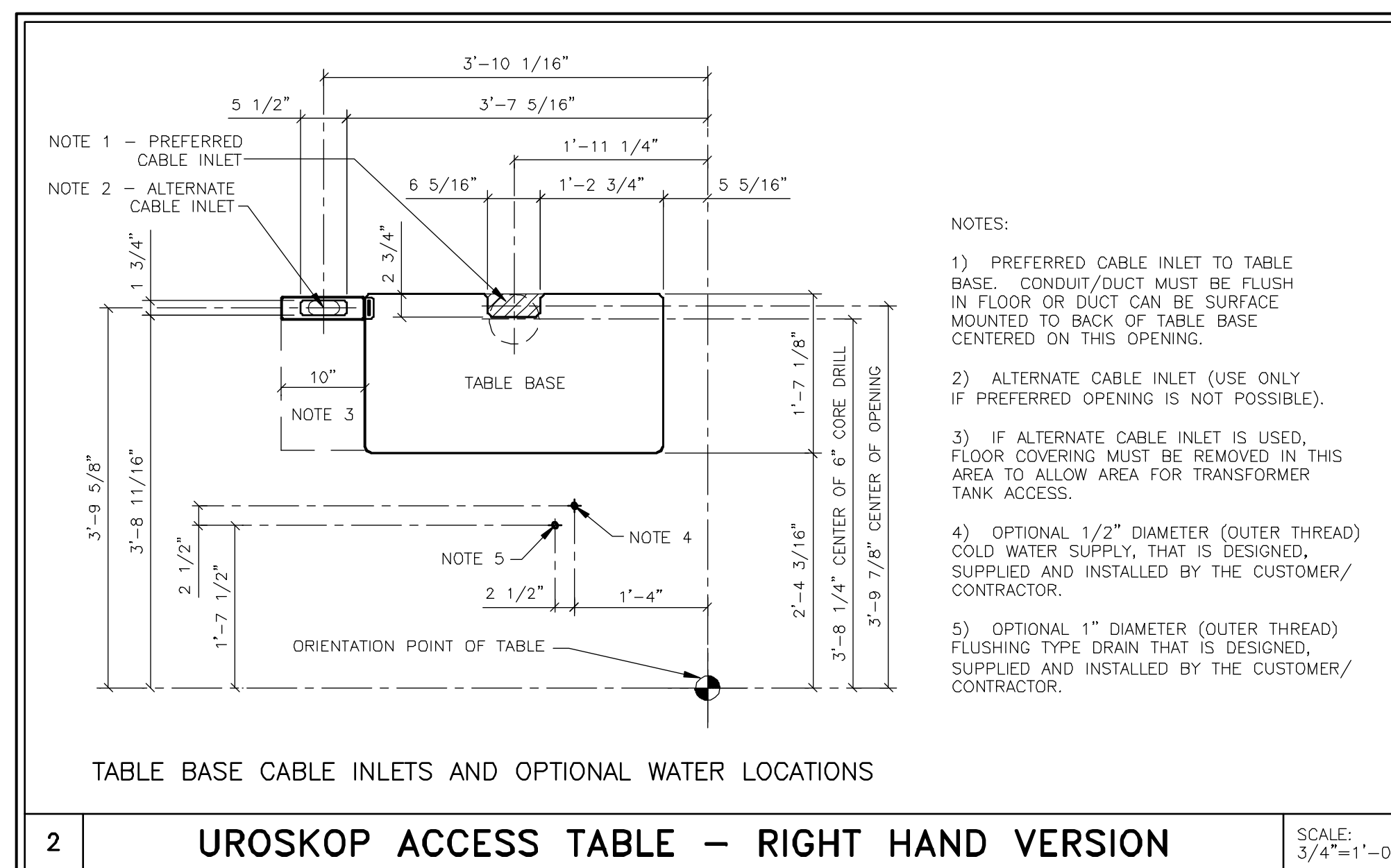
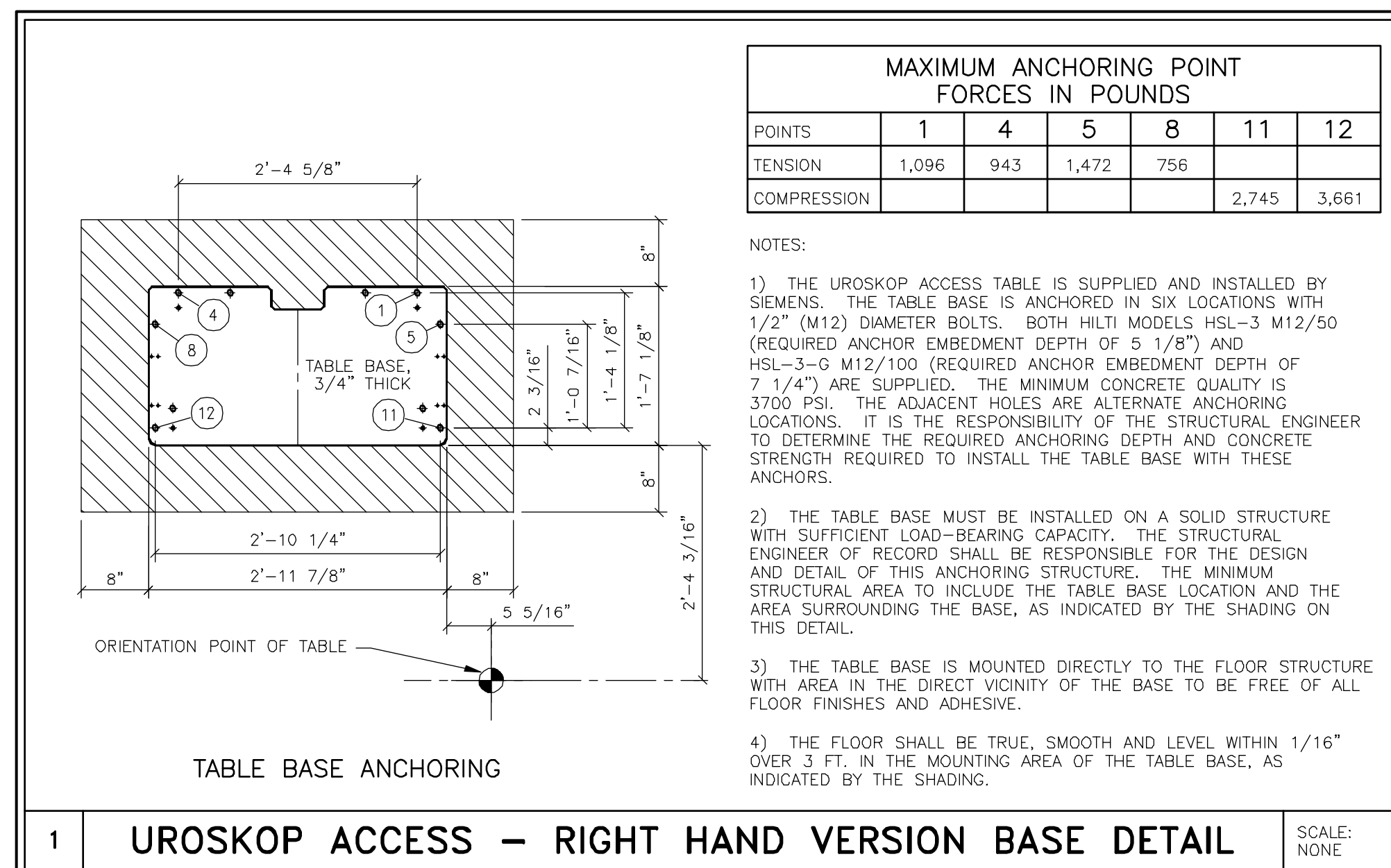
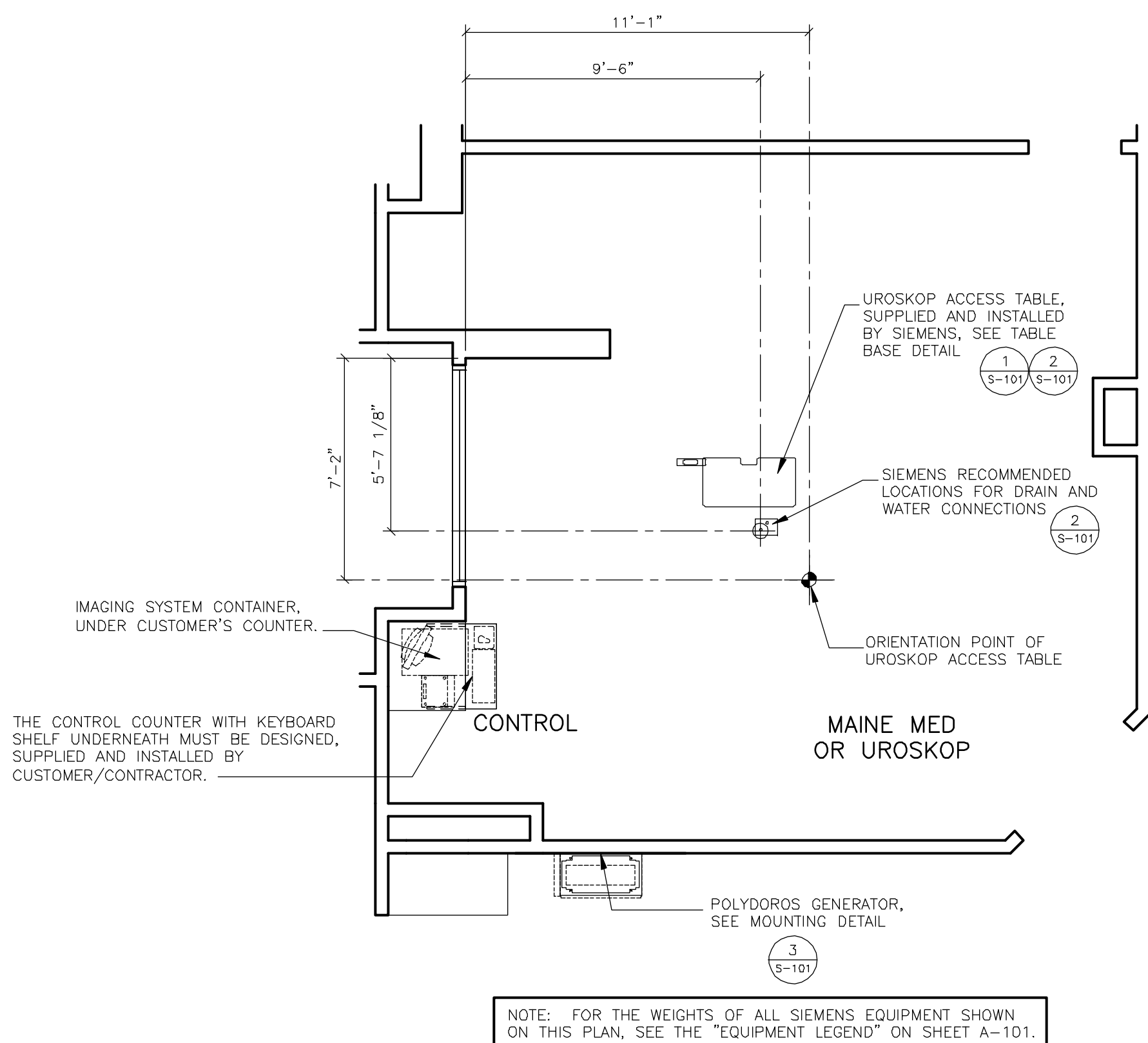
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REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

STRUCTURAL FLOOR PLAN

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



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, LEVEL, PARALLEL AND COPLANAR WITH 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 BASED 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 SYSTEM.
- 5) WHERE SHOWN ON THE 1/4\"
- 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\"
- 9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALL AND CEILING STRUCTURES IN ACCORDANCE WITH THE WEIGHTS, MOMENTS AND FORCES AS SHOWN ON OUR STRUCTURAL CALCULATIONS, OR INFORMATION, IN CONSIDERATION OF FORCES AS DETERMINED PER LOCAL GOVERNING BUILDING CODES.

MAXIMUM ANCHORING POINT FORCES IN POUNDS

POINTS	1	4	5	8	11	12
TENSION	1,096	943	1,472	756		
COMPRESSION				2,745	3,661	

- NOTES:
- 1) THE UROSKOP ACCESS TABLE IS SUPPLIED AND INSTALLED BY SIEMENS. THE TABLE BASE IS ANCHORED IN SIX LOCATIONS WITH 1/2\"
 - 2) THE TABLE BASE MUST BE INSTALLED ON A SOLID STRUCTURE WITH SUFFICIENT LOAD-BEARING CAPACITY. THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF THIS ANCHORING STRUCTURE. THE MINIMUM STRUCTURAL AREA TO INCLUDE THE TABLE BASE LOCATION AND THE AREA SURROUNDING THE BASE, AS INDICATED BY THE SHADING ON THIS DETAIL.
 - 3) THE TABLE BASE IS MOUNTED DIRECTLY TO THE FLOOR STRUCTURE WITH AREA IN THE DIRECT VICINITY OF THE BASE TO BE FREE OF ALL FLOOR FINISHES AND ADHESIVE.
 - 4) THE FLOOR SHALL BE TRUE, SMOOTH AND LEVEL WITHIN 1/16\"

- NOTES:
- 1) PREFERRED CABLE INLET TO TABLE BASE. CONDUIT/DUCT MUST BE FLUSH IN FLOOR OR DUCT CAN BE SURFACE MOUNTED TO BACK OF TABLE BASE CENTERED ON THIS OPENING.
 - 2) ALTERNATE CABLE INLET (USE ONLY IF PREFERRED OPENING IS NOT POSSIBLE).
 - 3) IF ALTERNATE CABLE INLET IS USED, FLOOR COVERING MUST BE REMOVED IN THIS AREA TO ALLOW AREA FOR TRANSFORMER TANK ACCESS.
 - 4) OPTIONAL 1/2\"
 - 5) OPTIONAL 1\"

MINIMUM CEILING HEIGHT W/RESTRICTION	CEILING HEIGHT WITHOUT RESTRICTION	RECOMMENDED CEILING HEIGHT
8'-2 1/2"	9'-2 1/4"	9'-6"

UROSKOP ACCESS
11/21/11

SIEMENS

MAINE MEDICAL CENTER
22 BRAMHALL ST. PORTLAND, ME 04102-3134
MAINE MED OR UROSKOP - UROSKOP ACCESS

PROJECT #: 1102790	SHEET: S-101
DATE: 04/10/12	APPROVED BY: J. BALCOM
DESCRIPTION: R-101 RB DATED 03/07/12 APPROVED BY CUSTOMER FOR FINAL	CHECKED:

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.

SCALE: AS NOTED REF. # 30152240 DATE: 04/10/12

ATTENTION:

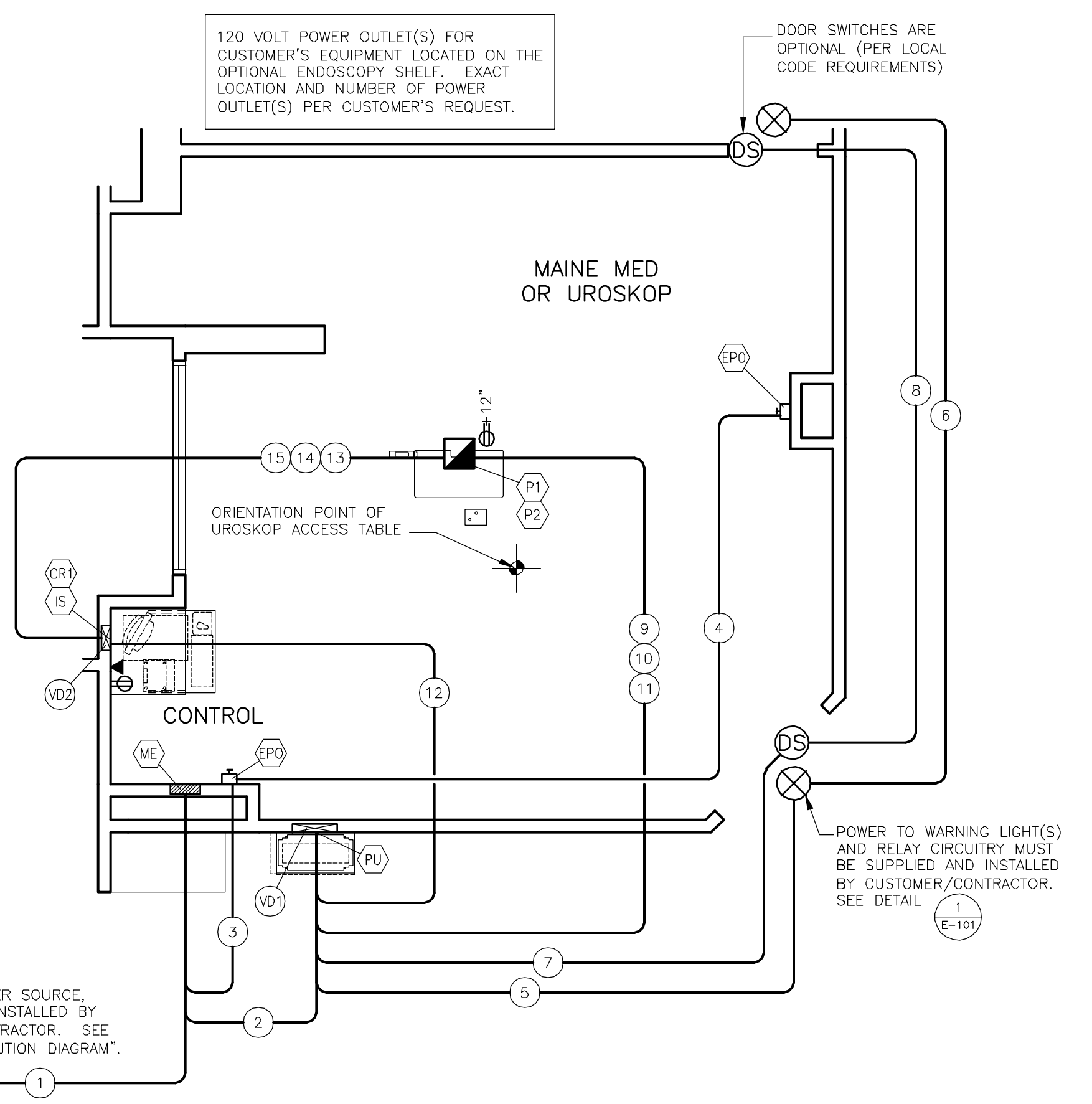
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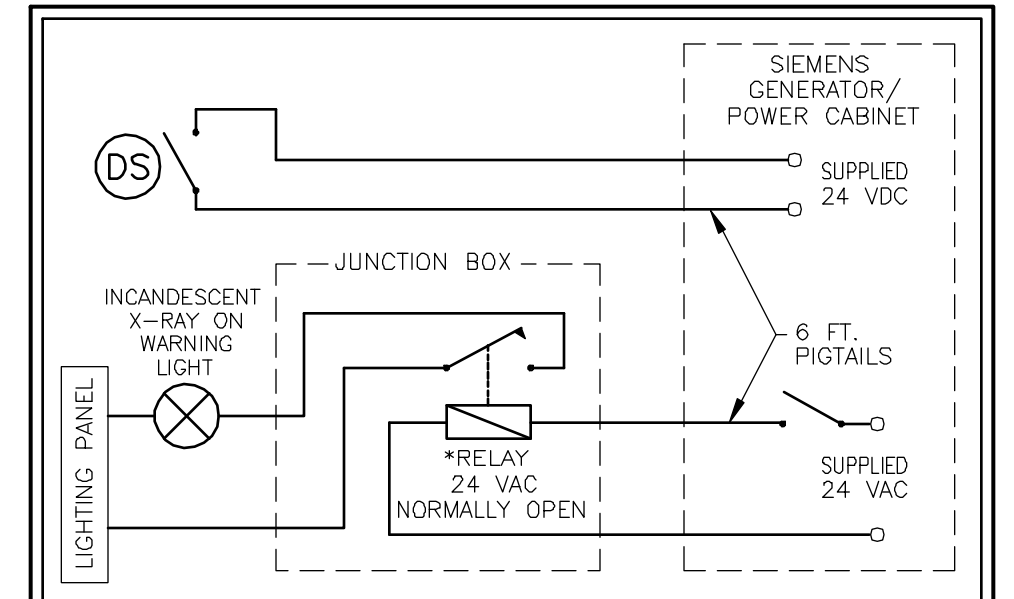
REFERENCE DOCUMENT - NOT FOR CONSTRUCTION



ELECTRICAL RACEWAY PLAN

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

SYMBOLS	
ALL MAY NOT APPLY	
[Symbol]	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR
[Symbol]	OPENING IN RACEWAY OR TRENCHDUCT
[Symbol]	PULLBOX IN (FLOOR/WALL/CEILING)
[Symbol]	OPENING IN ACCESS FLOORING
[Symbol]	WARNING LIGHT (X-RAY ON)
[Symbol]	DOOR SAFETY SWITCH
[Symbol]	(EPO) EMERGENCY POWER OFF BUTTON
[Symbol]	TRENCHDUCT
[Symbol]	CEILING DUCT
[Symbol]	UNDER FLOOR DUCT
[Symbol]	SURFACE DUCT
[Symbol]	VERTICAL DUCT
[Symbol]	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROGRAM MANAGER)
[Symbol]	120 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.
[Symbol]	120 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET UNLESS OTHERWISE STATED.



*RELAY WITH A 24 VOLT, AC COIL (NOT TO EXCEED 5 WATTS). SUPPLIED BY ELECTRICAL CONTRACTOR. SIEMENS TO PROVIDE CONTROL SIGNAL TO RELAY. CONTRACTOR SUPPLIED & INSTALLED JUNCTION BOX.

WARNING LIGHT AND DOOR SWITCH SCHEMATIC

1	AUXILIARY WIRING	SCALE: NONE
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CABLE LENGTH LIMITATIONS	
THE CONDUITS ARE SHOWN SCHEMATICALLY IN THIS PLAN AND MUST BE RUN IN THE SHORTEST POSSIBLE DISTANCE BETWEEN TERMINATION POINTS. ANY VARIATION IN THE ROUTING OF DUCTS COULD RESULT IN CABLE LENGTH LIMITATIONS BEING EXCEEDED. THEREFORE, ANY CHANGES MUST BE APPROVED BY THE SIEMENS PROJECT MANAGER.	

ELECTRICAL LEGEND			
SYM	SIZE	DESCRIPTION	REMARKS
[Symbol]	10"x4"	OPENING IN FACE OF "VD2" AT THE FLOOR LINE.	
[Symbol]	---	EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER, MOUNTED 5'-0" ABOVE THE FINISHED FLOOR.	SEE POWER DIST. DIAGRAM
[Symbol]	3-PHASE	MAIN ENCLOSURE WITH CIRCUIT BREAKER, CENTERLINE 5'-0" ABOVE THE FINISHED FLOOR.	SEE POWER DIST. DIAGRAM
[Symbol]	2"x3"	OPENING IN BACK OF UROSKOP TABLE BASE COVER.	
[Symbol]	---	PULL BOX MOUNTED FLUSH WITH FINISHED CEILING AND FITTED WITH REMOVABLE COVER. CONTRACTOR TO PROVIDE 4" DIAMETER BUSHING CENTERED IN FACE OF COVER.	FOR CEILING CABLE OUTLET TO TABLE
[Symbol]	10"x4"	OPENING IN FACE OF "VD1" AT THE FLOOR LINE.	BEHIND GENERATOR CABINET
[Symbol]	18"x3 1/2"	VERTICAL DUCT MOUNTED FLUSH WITH FINISHED WALL FROM ABOVE THE FINISHED CEILING TO END AT THE FLOOR LINE. THIS DUCT MUST BE DIVIDED INTO TWO SECTIONS: ONE 4" AND ONE 6" SECTIONS TO PROVIDE FOR SEPARATION OF POWER AND SIGNAL CABLES.	VERTICAL DUCT
[Symbol]	10"x3 1/2"	VERTICAL DUCT MOUNTED FLUSH WITH FINISHED WALL FROM ABOVE THE FINISHED CEILING TO END AT THE FLOOR LINE. THIS DUCT MUST BE DIVIDED INTO TWO SECTIONS: ONE 4" AND ONE 6" SECTIONS TO PROVIDE FOR SEPARATION OF POWER AND SIGNAL CABLES.	VERTICAL DUCT
[Symbol]	-	NOTES: WARNING LIGHTS AND DOOR SWITCHES ARE THE RESPONSIBILITY OF THE CUSTOMER/CONTRACTOR. SEE "AUXILIARY WIRING" DETAIL.	
[Symbol]	---	CONDUIT FROM POWER SOURCE TO CIRCUIT BREAKER (ME).	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM "ME" TO "VD1". (POWER TO "PU")	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM "ME" TO "EPO".	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM "EPO" TO "EPO".	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM "VD1" (PU) VIA RELAY CIRCUITRY TO WARNING LIGHT.	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM WARNING LIGHT TO WARNING LIGHT.	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM "VD1" (PU) TO DOOR SWITCH.	SIZED BY ELEC. CONTRCTR.
[Symbol]	---	CONDUIT FROM DOOR SWITCH TO DOOR SWITCH.	SIZED BY ELEC. CONTRCTR.
[Symbol]	(2) 2 1/2"	CONDUITS FROM "P2"(P1) TO "VD1"(PU). (FOR CEILING CABLE DROP)	MAX. LENGTH 25 FT.
[Symbol]	2 1/2"	CONDUIT FROM "P2"(P1) TO "VD1"(PU). (FOR CEILING CABLE OUTLET)	MAX. LENGTH 25 FT.
[Symbol]	3"	CONDUIT FROM "P2"(P1) TO "VD1"(PU). (FOR CEILING CABLE OUTLET)	MAX. LENGTH 25 FT.
[Symbol]	2"	CONDUIT FROM "IS" TO "VD1" (PU) (FOR CEILING ROUTED CABLES)	MAX. LENGTH 39 FT.
[Symbol]	3"	CONDUIT FROM "VD2" (CR1) TO "P2" (P1). (FOR CEILING CABLE OUTLET)	MAX. LENGTH 45 FT.
[Symbol]	1 1/2"	CONDUIT FROM "P2" (P1) TO "VD2" (IS). (FOR CEILING CABLE OUTLET)	MAX. LENGTH 39 FT.
[Symbol]	2"	CONDUIT FROM "P2"(P1) TO "VD2" (IS). (FOR CEILING CABLE OUTLET)	MAX. LENGTH 39 FT.

CONTRACTOR SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
PANEL	1	ME	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM.
ME	2,VD1	PU	HIGHLY FLEXIBLE MULTI-STRANDED WIRE IS REQUIRED.	SEE POWER REQ/DIAGRAM.
ME	3	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM.
EPO	4	EPO	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE POWER DIAGRAM.
PU	VD1,5	W.L.	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.
W.L.	6	W.L.	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.
PU	VD1,7	D.S.W.	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.
D.S.W.	8	D.S.W.	DETERMINED BY ELECTRICAL CONTRACTOR.	SEE AUXILIARY WIRING DTL.

SIEMENS SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
P1	9,VD1	PU	2-H.T. CABLES, CONTROL CABLE AND W100	MAXIMUM LENGTH 49 FT.
P1	10,VD1	PU	W150 UNIT CABLES	MAXIMUM LENGTH 49 FT.
P1	11,VD1	PU	W400 UNIT CABLES, IONTOMAT CABLE	MAXIMUM LENGTH 49 FT.
IS	VD2,12,VD1	PU	W600 UNIT CABLES	MAXIMUM LENGTH 59 FT.
CR1	VD2,13,P2	P1	W360 UNIT CONTROL CABLES	MAXIMUM LENGTH 65 FT.
P1	P2,14,VD2	IS	W650 MONITOR CABLES	MAXIMUM LENGTH 59 FT.
P1	P2,15,VD2	IS	CAMERA CABLE	MAXIMUM LENGTH 59 FT.
-	-	-	NOTES: 1. CABLE TUBING 3 1/2" RD WITH VELCRO, SIEMENS P/N AEZT9713004312W	

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 ANS, IEEE AND NEMA STANDARDS. WHERE APPLICABLE, PROVIDE ONLY MATERIALS AND PRODUCTS THAT ARE LISTED AND LABELED. CUSTOMER'S/CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF NECA STANDARD OF INSTALLATION.
- 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. THE CONTRACTOR SHALL MAKE DIMENSIONS FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY SMS PROJECT MANAGER.
- 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.
- 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.
- 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. 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.
- 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 MINIMUM 10 FT. WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY SIEMENS MEDICAL SOLUTIONS.
- 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, 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.

CONTRACTOR SUPPLIED ITEMS

ALL ITEMS, INCLUDING BUT NOT LIMITED TO CONDUITS, DUCTS, CIRCUIT BREAKERS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, AND WARNING LIGHTS, SHOWN IN THESE PLANS ARE TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER/ELECTRICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.

MINIMUM CEILING HEIGHT W/RESTRICTION	CEILING HEIGHT WITHOUT RESTRICTION	RECOMMENDED CEILING HEIGHT
8'-2 1/2"	9'-2 1/4"	9'-6"

PROJECT MANAGER: RICH DEISTER TEL: (207) 712-3205 VMAIL: (207) 929-3776 EXT: FAX: (207) 929-3776 EMAIL: RICH.DEISTER@SIEMENS.COM		SIEMENS	
MAINE MEDICAL CENTER			
22 BRAMHALL ST, PORTLAND, ME 04102-3134 MAINE MED OR UROSKOP - UROSKOP ACCESS			
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		PROJECT #: 1102790	SHEET: E-101
ALL RIGHTS ARE RESERVED.		SHEET 4 OF 5 DRAWN BY: J. BALCOM	
SCALE: AS NOTED	REF. # 30152240	DATE: 04/10/12	CHECKED:

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.

04/10/12 R-101 RB DATED 03/07/12 APPROVED BY CUSTOMER FOR FINALS

SYM DATE DESCRIPTION

-ISSUE BLOCK-

UROSKOP ACCESS 11/21/11

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

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.

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 $<500\mu A$ DURING OPERATION OF THE IMAGING EQUIPMENT.
- 8) THERE MAY BE SOME APPLICATIONS WHICH REQUIRE AN ISOLATED GROUND AS PER NEC 250-96B.

POLYDOROS SX80

X-RAY GENERATOR POWER REQUIREMENTS

INCOMING POWER:	480 VOLTS, 3 PHASE, 60Hz
CIRCUIT BREAKER:	100 AMPS.
GENERATOR OUTPUT:	80 KW
ALLOWABLE IMPEDANCE:	0.16 OHMS.
MAXIMUM MOMENTARY LOAD:	145 KVA
LINE VOLTAGE VARIATION:	± 10% MAX.
PHASE BALANCE:	2% MAX BETWEEN ANY 2 PHASES
FREQUENCY VARIATION:	± 1 Hz
VOLTAGE SURGES:	10% MAX. ABOVE LINE VOLTAGE
INSTANTANEOUS VARIATION:	20 msec. MAX. DURATION
VOLTAGE SAGS:	10% MAX. BELOW LINE VOLTAGE
LINE TRANSIENTS (SPIKES):	20 msec. MAX. DURATION
GROUND IMPEDANCE:	50% MAX. ABOVE LINE VOLTAGE
	5 msec. MAX. DURATION
	0.25 OHMS MAX.

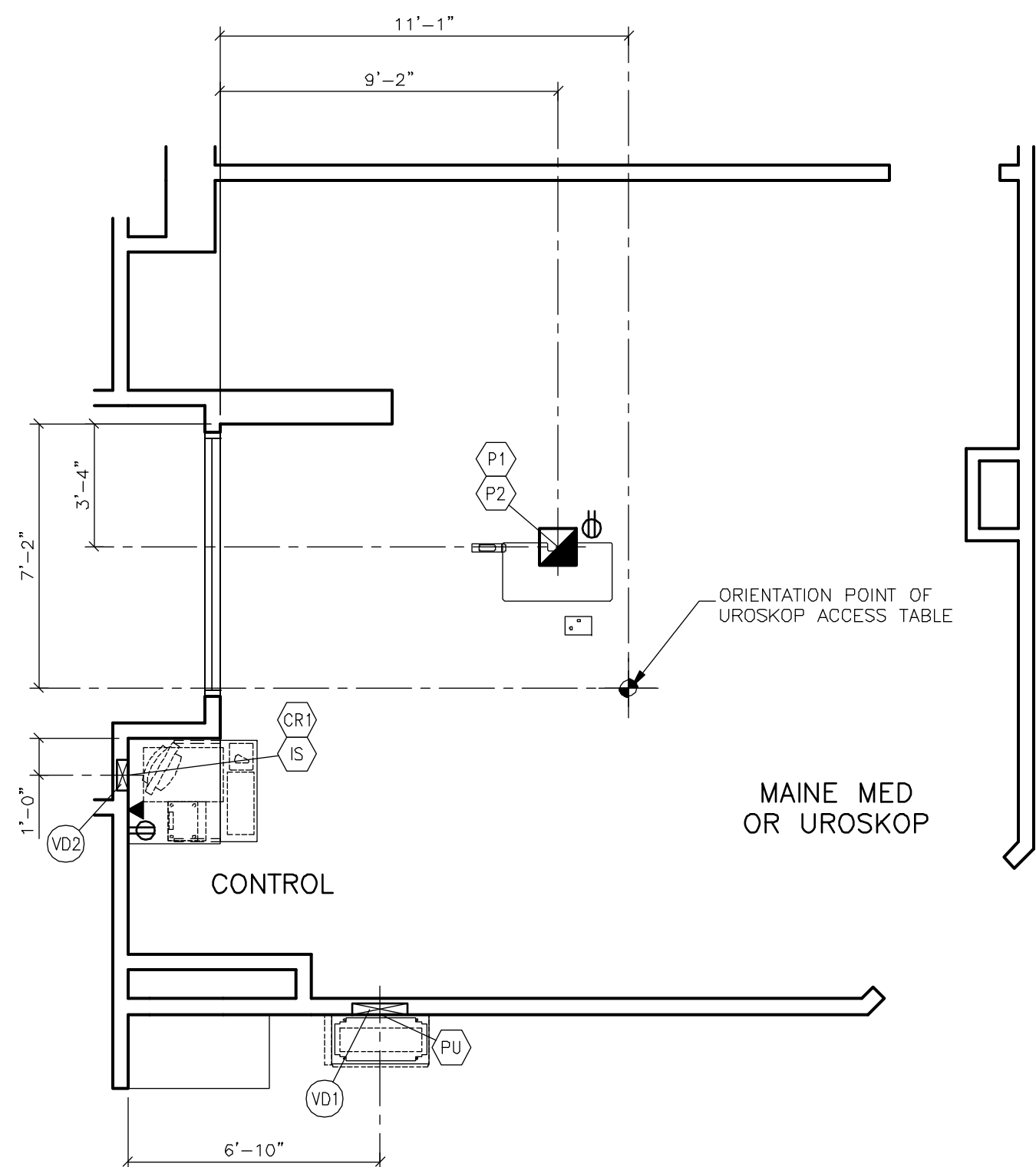
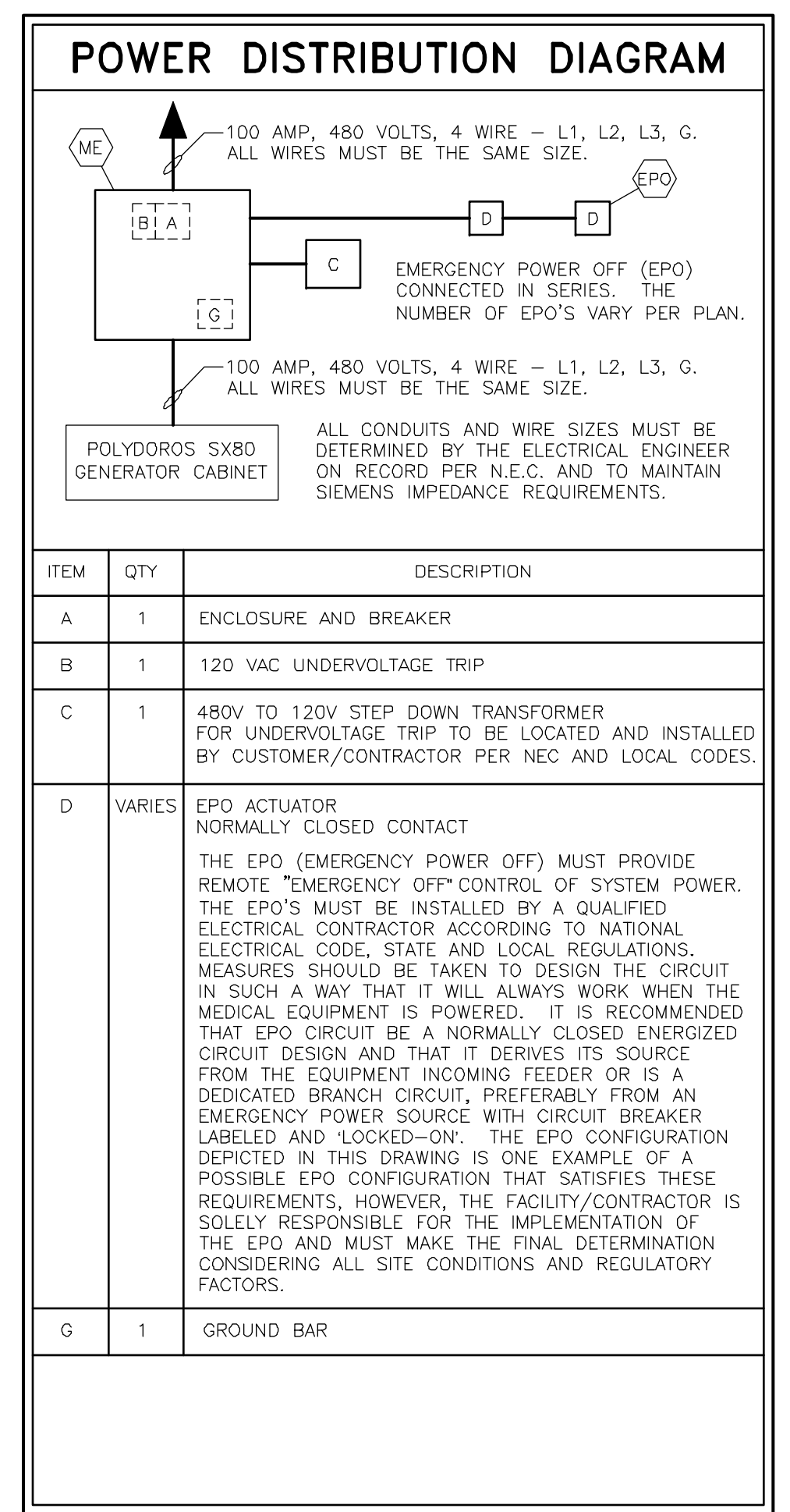
NOTE:

ALL INCOMING POWER SUPPLIES, FOR THE SIEMENS EQUIPMENT, ARE TO BE DEDICATED (BACK TO SOURCE) ISOLATED AND INSULATED FROM ANY OTHER EQUIPMENT, SUCH AS, ELEVATORS, GENERATORS, HVAC SYSTEMS, ETC.

A NEUTRAL CONDUCTOR, IF PRESENT, IS NOT USED FOR THE LINE VOLTAGE CONNECTION TO THE SIEMENS EQUIPMENT. IF THE NEUTRAL CONDUCTOR IS PROVIDED, IT SHOULD NOT BE ELECTRICALLY CONNECTED AT ANY POINT IN THE POWER DISTRIBUTION TO THE SIEMENS EQUIPMENT UNLESS SPECIFICALLY REQUIRED. UNINTENTIONAL NEUTRAL TO GROUND BONDS MAY VIOLATE LOCAL AND NATIONAL ELECTRICAL CODES, AS WELL AS CREATE GROUNDING PROBLEMS.

ATTENTION:

SIEMENS MEDICAL SYSTEMS, INC. RECOMMENDS THAT THE INCOMING POWER LINES BE ANALYZED WITH RESPECT TO TRANSIENT SURGES AND IMPULSES, SAGS, AND OVERVOLTAGES.



ELECTRICAL DIMENSION PLAN

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

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MAINE MEDICAL CENTER		22 BRAMHALL ST, PORTLAND, ME 04102-3134 MAINE MED OR UROSKOP - UROSKOP ACCESS	
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ALL RIGHTS ARE RESERVED.		SHEET 5 OF 5	DRAWN BY: J. BALCOM
SCALE: AS NOTED		REF. # 30152240	DATE: 04/10/12
-ISSUE BLOCK-		CHECKED:	

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11/21/11