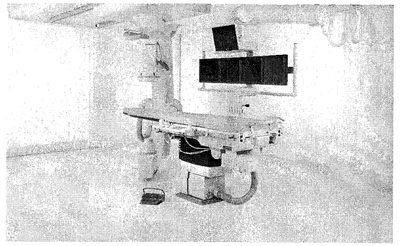
MERCY HOSPITAL

144 State Street
Portland, ME 04101-3776

ARTIS ZEE CEILING



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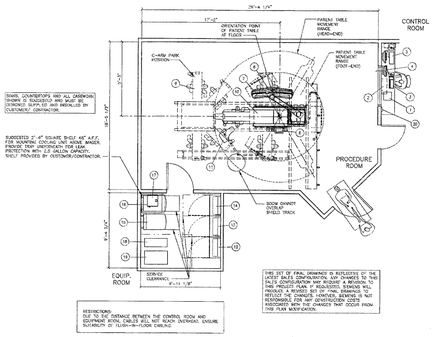
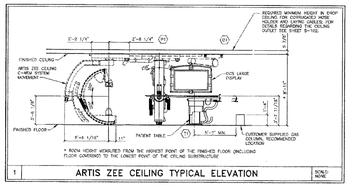
MERCY HOSPITAL • ARTIS ZEE CEILING PROCEDURE ROOM • SIEMENS • Issue #: 0 Date: 08/17/12



ARCHITECTURAL EQUIPMENT PLAN — SCALE: 1/4" = 1'-0"

ROOM MEASUREMENTS

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



ARTIS ZEE CEILING TYPICAL ELEVATION — SCALE: NONE

ENVIRONMENTAL/POWER AUDIT

AS AN ACQUISITION OF SOME COMPONENTS, OR QUALIFY, DEMAND MAY, AT NO COST TO YOUR FACILITY, CHECK THE OPERATING ENVIRONMENT AND POWER REQUIREMENTS. THE SITE MEETS THE REQUIREMENTS FOR TEMPERATURE, HUMIDITY, POWER, AND GROUNDING ARE MET AS PER SIEMENS' PUBLISHED SPECIFICATIONS. SIEMENS WILL PERFORM A PRE-INSTALLATION REPORT DETAILING THE ENVIRONMENTAL AND ELECTRICAL CONDITION OF THE SITE. AFTER EXPANSION AND WILL SUBMIT THE REPORT WITH YOU. IN THE EVENT WE IDENTIFY ANY ENVIRONMENTAL/POWER DEFICIENCIES AT THE SITE, YOUR FACILITY WILL BE REQUESTED TO CORRECT THE DEFICIENCIES BEFORE WE BEGIN THE INSTALL. ANY CORRECTIVE ACTIONS BY YOU, WHICH ARE NOT REQUIRED, SIEMENS WILL PROVIDE GUIDANCE IN AN EFFORT TO FACILITATE YOUR ACTIONS. SIEMENS WILL NOT BE LIABLE FOR ANY DELAY, NOTICE AND REPAIR OR MAINTENANCE ESTIMATES RECOMMENDED BY SIEMENS DEFICIENCIES WILL FALL OUTSIDE YOUR WARRANTY COVERAGE.

C-ARM TRANSPORT/STORAGE W/ FLAT PANEL DETECTOR

THE LIMITS TRANSPORT AND STORAGE CONDITIONS APPLY FOR THE FLAT DETECTOR MOUNTED ON THE C-ARM.

TEMPERATURE RANGE: 14° F TO 122° F
RELATIVE HUMIDITY: 30% TO 95% NON CONDENSING
AIR PRESSURE: 700 HPA TO 1060 HPA

CEILING HEIGHT REQUIREMENT

8 FT. – 11 IN.

EQUIPMENT LEGEND

NO	DESCRIPTION	SHR SYM	WEIGHT CLASS	BTU/HR TO AIR	DIMENSIONS (INCHES) W	D	H	REMARKS
1	ACC UNDIVIDED CONTROL EXTENDIBLE	C	13	-----	N/A	19 1/4	11 3/4	WITH ON CONTROL COVERS
2	CONTROL ROOM DISTRIBUTION	EB	64	342	41 1/2	8 7/8	18 1/8	WITH ON WALL
3	KEYBOARD	C	2.2	342	17 1/2	6 1/8	1 1/4	WITH TABLE COUNTER OR ON CONSOLE
4	19" MONOCHROME LIVE DISPLAY	C	15	256	18 1/2	8 1/4	13 1/2	ON COUNTER OR CONSOLE
5	DETAILS 9 WORKSTATION TOWER, KEYBOARD, MONITOR OPTIONS		31	-----	8 3/8	17 1/8	17 3/8	LOCKED'S OR EVERTOWER UNDER COUNTER
6	TABLE CONTROL W/CABLES	C	13.8	-----	18 1/2	8 3/4	2 1/2	ON TABLE OR TROLLEY
7	ECG SPEED DISPLAY	EB	807	1,705	40 3/8	8 7/8	87 3/4	CEILING SUSPENDED
8	EMPLOYEE DISPLAY MONITOR FOR ECG LATEST DISPLAY	C	31	239	18 1/4	8 1/8	18	WALL MOUNTED
9	ARTIS ZEE CEILING C-ARM STAND	EB	1,269	682	-----	-----	-----	C-ARM CEILING SUSPENDED
10	PATIENT TABLE (CLT TABLE)	C	1,198	683	-----	-----	-----	TABLE FLOOR MOUNTED
11	LIFTTEK DECK EXPANSION SHIELD W/ 4 TRACK	EB	-----	-----	-----	-----	-----	TRACK MOUNTED
12	PULSOSTAR AUXILIARY (POWER UNIT 1)	EB	662	3,413	31 1/2	17 1/8	87	FLOOR MOUNTED
13	CABLE CABINET	EB	285	-----	31 1/2	17 1/8	87	FLOOR MOUNTED
14	SYSTEM CONTROL CABINET	EB	518	3,480	31 1/2	17 1/8	87	FLOOR MOUNTED
15	LARGE DISPLAY CONTAINER FOR ECG LARGE DISPLAY	EB	332	1,535	33	37 1/2	18 3/8	WITH ON CASTERS
16	AUX HAND SWITCH	C	331	4,267	23 3/4	77 1/4	28	WITH ON CASTERS
17	FLUTCH CEILING UNIT	EB	93	12,858	18 3/4	19 1/2	18 3/4	FLOOR OR SHELF MOUNTED
18	POWERWARE 9250 150VA UPS AND BATTERY	EB	277	8,134	12 3/4	20 1/2	47 3/4	ISO MFG REQUIREMENTS
19	POWERWARE 9340 60/FOT TRANSFORMER CABINET	EB	535	-----	20	34 1/8	66	ISO MFG REQUIREMENTS
20	POWERWARE 9315 REMOTE PANEL MONITOR	EB	-----	-----	5 3/8	1 3/8	4 7/8	ISO MFG REQUIREMENTS

STATE AGENCY REVIEW

PRIOR TO SYSTEMS EQUIPMENT INSTALLATION, APPROVAL OF CONSTRUCTION OR STRUCTURAL MODIFICATIONS UTILIZING "X-RAY FOR HEALING" MAY BE REQUIRED BY STATE AGENCIES. CONTACT YOUR CUSTOMER FROM THE APPROPRIATE STATE AGENCY, IF APPLICABLE.

MAGNETIC FIELD PRECAUTIONS

THE PRESENCE OF MAGNETIC FIELDS IN THE VICINITY OF EQUIPMENT MAY AFFECT ITS OPERATION. BE SURE THE FOLLOWING VALUES ARE NOT EXCEEDED.

MAXIMUM ALLOWABLE MAGNETIC FIELD	ENTITIES
1.0mT (10 GAUSS)	COMPUTERS, MAGNETIC DISK DRIVES, CASSETTE/DISC PROCESSORS
0.5mT (5 GAUSS)	X-RAY TUBES, X-RAY INTENSIFIERS, MAGNETIC DISK DRIVES, CASSETTE/DISC PROCESSORS
0.2mT (2 GAUSS)	DEVICES AT SIEMENS
0.15mT (1.5 GAUSS)	COLOR MONITORS, DEVICES UNDER MAGNETIC SHIELDING
0.05mT (0.5 GAUSS)	X-RAY TUBES, INTENSIFIERS, GAMMA CAMERAS, POLYDOROS/COMPACT, EYE-LEV CRT MONITORS

* MAGNETIC FIELDS SHOULD BE MEASURED PRIOR TO DELIVERY

STORAGE

TEMPERATURE RANGE: -4° F TO 131° F
RELATIVE HUMIDITY: 10% TO 100% CONDENSING
AIR PRESSURE: 500 HPA TO 1060 HPA

PACKAGING & TRANSPORT PATH

LARGEST CRATE WITH PACKING: 103.5"W x 49.25"L x 91.5"H; 2,000 LBS.
LARGEST SINGLE PART WITH TRANSPORT CRATING (W/O ZOOM OPTIONAL): 91.25"L x 38.5"W x 76.5"H; 2,000 LBS.

ANGIOGRAPHY/CARDIAC

TYPICAL EXAM ROOM EQUIPMENT

- CRASH CART — IV POLES — LEAD SHIELD
- LOCKING — PULSOTOR — ANESTHESIA EQUIPMENT +VSN 2KN
- CATHETERS — SCRUB AREA
- GLIDE WIRES — APRON RACK — STERILE TRAY
- CARES — OUTLETS — PHYSIOLOGICAL MONITORING

EQUIPMENT SUPPLIED AND INSTALLED BY CUSTOMER

ARCHITECTURAL NOTES

1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS MEDICAL SOLUTIONS, INC. (SMS) ARE INTENDED TO AND BASED ON THE ASSUMPTION THAT THE CUSTOMER'S FACILITY WILL ALLOW FOR THE SERVICEABILITY OF THE EQUIPMENT BEING PROPOSED. SMS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTEREST OF THE CUSTOMER'S PATIENTS AND STAFF. IT IS THE RESPONSIBILITY OF THE SHARED STAFF ON AN ACTIVE SITE TO IDENTIFY ANY ARCHITECTURAL OBSTACLES DISTRIBUTED TO SMS. SMS WILL NOT BE RESPONSIBLE FOR ANY ARCHITECTURAL OBSTACLES NOT IDENTIFIED. DETERMINED SAFETY AND SERVICE CLEARANCE SHALL BE INDICATED ON DRAWINGS (E. PIPE CHASES, VENTILATION DUCTS, CASEWORK, AND OTHER FIXED OBJECTS). ANY CHANGES TO THE LAYOUT AFTER CUSTOMER'S ARCHITECTURAL FIRM OVER PRELIMINARY DRAWINGS HAVE BEEN SUBMITTED AND APPROVED, DO NOT ALTER ANY CONSTRUCTION WITHOUT FIRST CONSULTING WITH SIEMENS AND RECEIVING WRITTEN CONFIRMATION FROM THE PROJECT MANAGER.

2) SMS IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. ARCHITECTURAL DRAWINGS ARE FOR PLANNING AND ESTIMATING PURPOSES ONLY. CUSTOMER'S ARCHITECTURAL FIRM OR CONTRACTOR MUST PROVIDE FOR AUTHORIZATION TO COMPLETE ACTUAL CONSTRUCTION DRAWINGS FOR BIDDING AND CONSTRUCTION. CONSTRUCTION DRAWINGS ARE A REPRESENTATION OF A CUSTOMER'S CHOICE/DESIGN DESIGN GROUP. THE CUSTOMER'S ARCHITECT AND GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND DESIGN CRITERIA INCORPORATED INTO THE CONSTRUCTION DRAWINGS.

3) ALL DIMENSIONS SHOWN ARE FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.

4) THE CUSTOMER IS RESPONSIBLE FOR PROPER ENGINEERING OF BUILDING REQUIREMENTS FOR SUBWAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED ENGINEER TO DETERMINE THE STRUCTURAL REQUIREMENTS NECESSARY FOR INSTALLATION OF EQUIPMENT AT THE SITE. IT IS THE RESPONSIBILITY OF A REGISTERED INSPECTION PROFESSIONAL AT CUSTOMER'S EXPENSE TO PROVIDE ALL NECESSARY STRUCTURAL INFORMATION AND DATA AS TO SITE, BUILDING LOCATION, LOAD, AND MANNER OF INSTALLATION REQUIRED BY LOCAL BUILDING CODES. THE CUSTOMER'S ARCHITECT OR ENGINEER SHALL BE RESPONSIBLE FOR ALL STRUCTURAL CALCULATIONS AND SHALL FURTHER TAKE ALL RESPONSIBILITY IN THE CONSTRUCTION. SIEMENS ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF THE ARCHITECTURAL REPRESENTATIONS.

5) SMS SHALL BE RESPONSIBLE FOR BASIC EQUIPMENT INSTALLATION ONLY. CUSTOMER'S ARCHITECT OR GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ARCHITECTURAL, ELECTRICAL, MECHANICAL, OR PLUMBING MODIFICATIONS AND REQUIREMENTS CONTAINED IN THESE RECOMMENDATIONS AND REQUIREMENTS.

6) ALL EMBEDDED ITEMS INTO TRENCH FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.

7) EQUIPMENT MANUFACTURER'S PREVIOUS ENGINEERING SPECIFICATIONS FOR SUBWAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED ENGINEER TO DETERMINE THE STRUCTURAL REQUIREMENTS NECESSARY FOR INSTALLATION OF EQUIPMENT AT THE SITE. IT IS THE RESPONSIBILITY OF A REGISTERED INSPECTION PROFESSIONAL AT CUSTOMER'S EXPENSE TO PROVIDE ALL NECESSARY STRUCTURAL INFORMATION AND DATA AS TO SITE, BUILDING LOCATION, LOAD, AND MANNER OF INSTALLATION REQUIRED BY LOCAL BUILDING CODES. THE CUSTOMER'S ARCHITECT OR ENGINEER SHALL BE RESPONSIBLE FOR ALL STRUCTURAL CALCULATIONS AND SHALL FURTHER TAKE ALL RESPONSIBILITY IN THE CONSTRUCTION. SIEMENS ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF THE ARCHITECTURAL REPRESENTATIONS.

8) EQUIPMENT WARRANTIES, EXPRESSED OR IMPLIED ON THE PART OF SIEMENS, ARE VOID IF THE CUSTOMER FAILS TO MAINTAIN THE SITE IN ACCORDANCE WITH THE ENVIRONMENTAL, ELECTRICAL, MECHANICAL AND RECOMMENDATIONS AND REQUIREMENTS CONTAINED IN THESE RECOMMENDATIONS AND REQUIREMENTS.

9) ALL EMBEDDED ITEMS INTO TRENCH FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.

10) BACKBOARD AND CONDUIT NOTES: BACKBOARD SHALL BE ELECTRICAL GRADE PLYWOOD, 3/4" THICK MINIMUM, AND SHALL BE FIRE RETARDANT TREATED. OFFSET CONNECTIONS ARE REQUIRED LOCATIONS. FLUSHED METAL BOX SHALL BE USED. FIELD BENDED SMALL RADII BE USED. 1INN CONDUIT SHALL BE USED. 1" CONDUIT SHALL BE USED. SIEMENS WILL PROVIDE A SIEMENS TRACE TAPE, OR EQUIVALENT CONDUIT SCHEDULE FOR ALL ELECTRONICS AND GROUNDING.

11) CONDUIT BENDS SHALL NOT EXCEED 90 DEGREES. CONDUIT SHALL UNDER A SOIL SETTING, EXCAVATION, OR UNPLACED THROW CONNECTOR SHALL BE PROVIDED TO PROTECT THE WIRE FROM MOISTURE. CONDUIT SHALL BE DOUBLE SET SOCKET TYPE, STEEL CONDUITS TYPE.

12) MEDIT BACKBOARD AT LEAST 6 INCHES AWAY FROM PARALLEL RUNNING POWER WIRING AND OTHER ELECTRICAL EQUIPMENT. MAGNETIC FIELD MEASUREMENTS ARE RECOMMENDED. USE TEMPORARY SHIELDING TO PROTECT THE EQUIPMENT. IN THE EVENT THAT SPECIFIED TERMS RELATED LED CEILING SUPPORT STRUCTURE, SIEMENS WILL PROVIDE A SIEMENS TRACE TAPE, OR THE SERVICES OF APPROVED SITE CONTRACTORS MUST PAY FOR SERVICES, APPROVED PARTIES TO PERFORM THIS WORK WITH JOB SITE SUPERVISOR. IN THE EVENT THAT SIEMENS TERMS RELATED TO ACCOMPLISHMENT OF NORMAL CONSTRUCTION DEVIATION DUE TO CONTRACTOR OR TRADE, RULE ACTIONS OF REQUIREMENTS SHALL BE PROVIDED AS NECESSARY, AS DETERMINED BY THE CUSTOMER AS AN ADDITIONAL INSTALLATION EXPENSE.

13) THE CUSTOMER SHALL MODIFY WITH SMS PROJECT MANAGER FINAL EQUIPMENT LAYOUT AND ELECTRICAL DRAWINGS. THE FINAL SET OF PRELIMINARY EQUIPMENT SO BE CEILING OR WALL MOUNTED OR FOR LIGHTS, MOTION AND COLLIDING, PHYSIOLOGICAL MONITORING, ELECTRONIC DEVICES, HVAC VALUES, SPEAKERS, AND GENERAL ROOM LIGHTING, ETC.).

14) THE CUSTOMER'S CONTRACTOR/CUSTOMER'S SHALL BE RESPONSIBLE FOR ALL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH MAY BE REQUIRED TO BE COMPLETED AFTER SMS 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 AND WITHIN 6 FEET OF THE CONTROL CONSOLE.
2) AIR CONDITIONING/VENTILATION SYSTEM INSTALLED, COMPLETED, TESTED, AND BALANCED ACCORDING TO SIEMENS SPECIFICATIONS.
3) PROPER LIGHTING INSTALLED AND FUNCTIONING.
4) PLUMBING COMPLETE, EXCEPT FOR ANY FINAL CONNECTIONS REQUIRED BY SIEMENS.
5) ALL CABLE TRENCHES/CONDUITS CORRECTLY SIZED, LOCATED, AND INSTALLED ACCORDING TO THE SITEMENS DRAWINGS.
6) ALL REINFORCEMENT PLATES/SUBSTRUCTURE INSTALLED AS REQUIRED.
7) ALL FLOOR OPENINGS CORRECTLY SIZED AND LOCATED (SEE ALSO SIZES AND TO 10 TRENCH TO FOR THE DIMENSION OF THE OPENINGS).
8) A SECURE AREA (APPROXIMATELY 10' x 10') IS AVAILABLE AT EQUIPMENT DELIVERY FOR TEMPORARY STORAGE OF INSTALLATION TOOLS.
9) CUSTOMER SUPPLIED CABINETS AND PROCESSORS INSTALLED.
10) ALL CONSTRUCTION DEBRIS REMOVED FROM THE AREA BY THE CONTRACTORS, AND CUSTOMER'S ST. CONTACT INFORMATION AND ON WORKSHEET REMAINING.
11) ALL FLOOR SURFACES AND FINISHED FLOORS TO BE TILED EXCEPT IN AREAS OF RAY EQUIPMENT BASE PLATES.

IF THESE CONDITIONS ARE NOT MET, THE SIEMENS PROJECT MANAGER MAY DECLARE THE SITE "NOT READY" AND RESCHEDULE THE INSTALL. A REASONABLE THE INSTALLATION START DATE, ADDITIONAL COST MAY BE INCURRED BY THE CUSTOMER/CONTRACTOR AND SIEMENS' TIME AND MATERIALS BASIS. CONTRACTORS RESPONSIBLE FOR ALL REASONED OVERHEADS ARE NOT MET.

ELECTRICAL NOTES

1) 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, AND STATE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATIONS NOTED. WHERE APPLICABLE, PROVIDE ONLY MATERIALS AND PRODUCTS THAT ARE LISTED BY UNDERWRITERS LABORATORIES, INC. (UL) AND BEAR THE UL LABEL. INSTALL WORK TO THE LATEST EDITION OF NFPA-70 STANDARD OF NEC-ALLOWED.

2) FACILITY PREPARATIONS: 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 CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. DETERMINED SAFETY AND SERVICE CLEARANCE SHALL BE INDICATED ON DRAWINGS (E. PIPE CHASES, VENTILATION DUCTS, CASEWORK, AND OTHER FIXED OBJECTS). ANY CHANGES TO THE LAYOUT AFTER CUSTOMER'S ARCHITECTURAL FIRM OVER PRELIMINARY DRAWINGS HAVE BEEN SUBMITTED AND APPROVED, DO NOT ALTER ANY CONSTRUCTION WITHOUT FIRST CONSULTING WITH SIEMENS AND RECEIVING WRITTEN CONFIRMATION FROM THE PROJECT MANAGER.

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RESOURCE LIST (SMS USE ONLY)

DESCRIPTION	ITS NUMBER	DATE
ARTIS ZEE CEILING	4004-0803-B01-31-22-22	12-04
ZEE (SHALLOW) CEILING SUSPENSION	4004-1700-B01-31-22-22	12-04

ARTIS ZEE CEILING 08/17/12

CONDUIT LENGTH CALCULATIONS

IF SPECIFIC/SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES, NON ADDITIONAL LENGTH MUST BE ILLUSTRATED BY THE SIEMENS CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS LISTED BELOW.

IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT, IT MAY BE NECESSARY TO ADD ADDITIONAL CONDUIT LENGTHS.

ASSUMED VALUES USED:
CONDUIT LENGTH FROM CEILING TO FLOOR = 12'-0"
VERTICAL DUCTS = 12'-0"
FLOOR PENETRATIONS = 2'-0"

POWER REQUIREMENTS

POLYDOROS-W / POLYDOROS A100 SYSTEMS (PHASE):
480 VOLTS, 3-PHASE, 150 KVA, 100 AMPS, 60 Hz

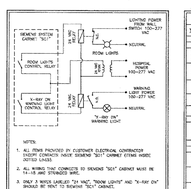
SYSTEM CONTROL CABINET (SCC):
480 VOLTS, 3-PHASE, 225 KVA, 50 AMPS, 60 Hz

POWER QUALITY

POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

IF IN THE CUSTOMER'S JUDGMENT THAT THE ELECTRICAL CONTRACTOR BE RESPONSIBLE FOR TESTING AND VERIFYING THAT THE ELECTRICAL SERVICE COMPLIES WITH THE SIEMENS SPECIFICATIONS.

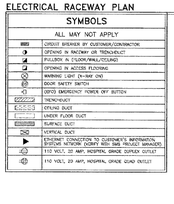
LIGHTING DETAIL 3 — SCALE: NONE



WARNING LIGHT/ROOM LIGHT SCHEMATIC

NOTES:
1) ALL ITEMS PROVIDED BY CUSTOMER ELECTRICAL CONTRACTOR EXCEPT CONTACTS INSIDE SIEMENS "SCC" CABINET (ITEMS MARKED WITH *).
2) ALL WIRING THAT CONNECTS TO SIEMENS "SCC" CABINET MUST BE INSTALLED IN CONDUIT.
3) ONLY 3 WIRES LABELED "L1 PWC", "NEUTRAL", AND "X-RAY ON" SHOULD BE USED TO ENERGIZE "SCC" CABINET.
4) ON HVAC #2 AWG MAY BE REQUIRED BY ELECTRICAL CONTRACTOR TO HANDLE THE VOLTAGE AND AMPERAGE OF LIGHTING CIRCUITS.

ELECTRICAL RACEWAY PLAN — SCALE: 1/4" = 1'-0"



NOTES:
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4) ON HVAC #2 AWG MAY BE REQUIRED BY ELECTRICAL CONTRACTOR TO HANDLE THE VOLTAGE AND AMPERAGE OF LIGHTING CIRCUITS.

SYMBOLS

ALL MAY NOT APPLY

	CIRCUIT BREAKER BY CUSTOMER/CONTRACTOR
	OPENING IN RACEWAY OR TRENCHDUCT
	PULLBOX IN CEILING/PULLSTUDIO
	OPENING IN ACCESS FLOORING
	WARNING LIGHT (X-RAY ON)
	DOOR SAFETY SWITCH
	EMPO EMERGENCY POWER OFF BUTTON
	TRENCHDUCT
	CEILING DUCT
	UNDER FLOOR DUCT
	RACEWAY DUCT
	VERTICAL DUCT
	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (CONTACT MDS SMS PROJECT MANAGER)
	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET
	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET

ELECTRICAL LEGEND

SYM	SIZE	DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	REMARKS
	4"ø	BUSHED OPENING IN FLOOR DUCT "DUCT" COVER.	CABLE ACCESSORIES
	18" x 8"	BUSHED OPENING IN VERTICAL DUCT "DUCT" COVER AT FLOOR LINE.	CABLE CABINET
	2"ø	BUSHED OPENING AT TOP OF HORIZONTAL DUCT "DUCT"	CONTROL ROOM DISTRIBUTOR
	18" x 14" & 6"	WALL BOX MOUNTED FLUSH IN FINISHED WALL AT SINGLE TOP LEVEL. PROVIDE BOX WITH REMOVABLE FRONT COVER AND (1) 4"ø BUSHING IN CENTER OF REMOVABLE COVER FOR CABLE ACCESS. BUSHING OPENING.	CEILING JNC
	6"ø	BUSHED OPENING IN BOTTOM OF CEILING DUCT "DUCT" REQUIRED BY LOCAL CODE. PROVIDE 6"ø ELBOW EXTENDING FROM DUCT TO FLOOR WITH FINISHED OPENING. PROVIDE PLATE AT CEILING LINE.	CEILING MOUNTED SPEAKERS
	-----	DOOR SWITCH, PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. SEE PLAN.	DOOR SWITCH
	-----	EMERGENCY OFF BUTTONS FOR C