

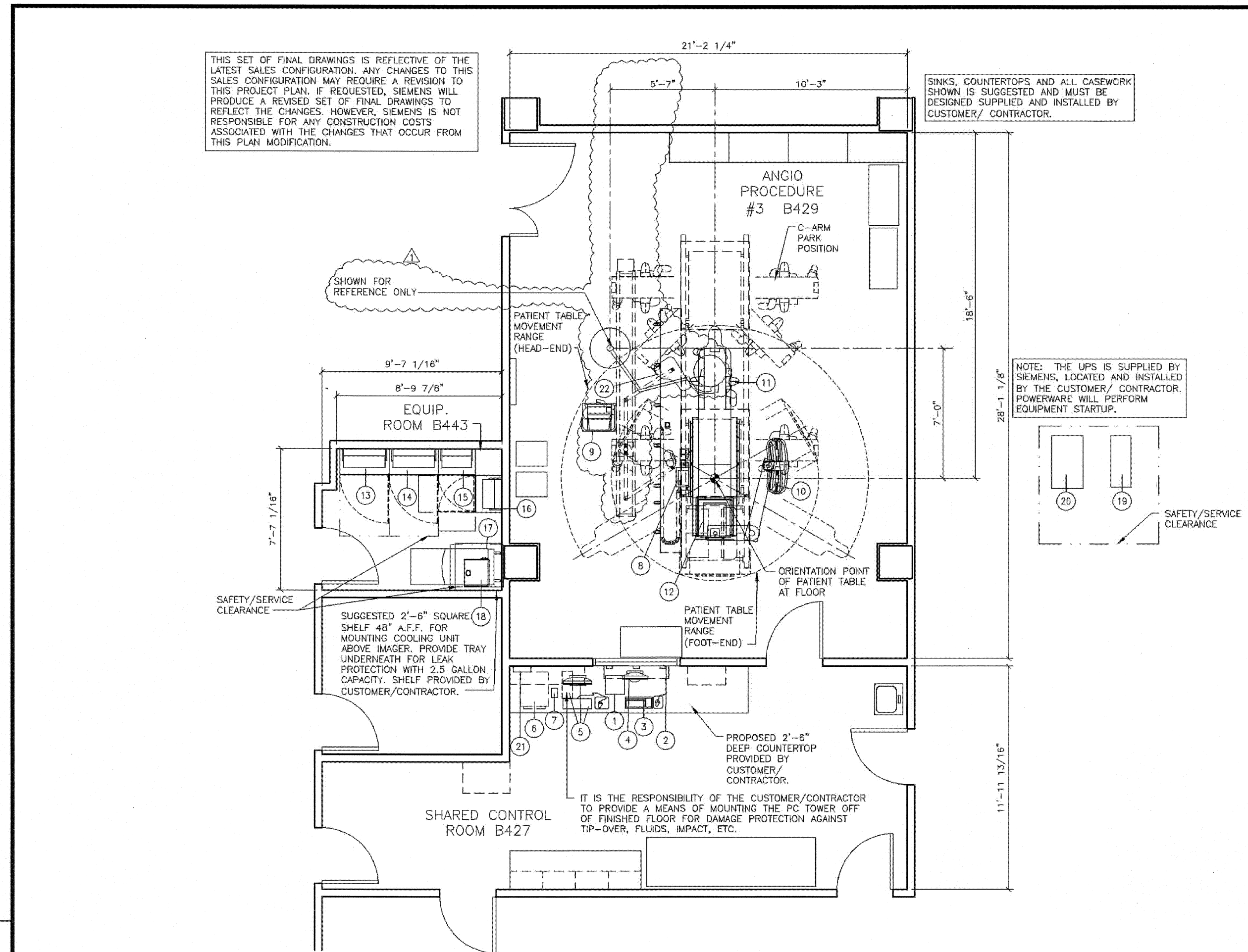
PROJECT NORTH
HUBLINE

Bramhall Radiology
ANGIO RENOVATIONS
PORTLAND, ME

ISSUED FOR CONSTRUCTION
8.24.10

NO.	DESCRIPTION	DATE
1	RE-ISSUED FOR CONSTRUCTION	02/09/10
2	REVISED	05/26/10

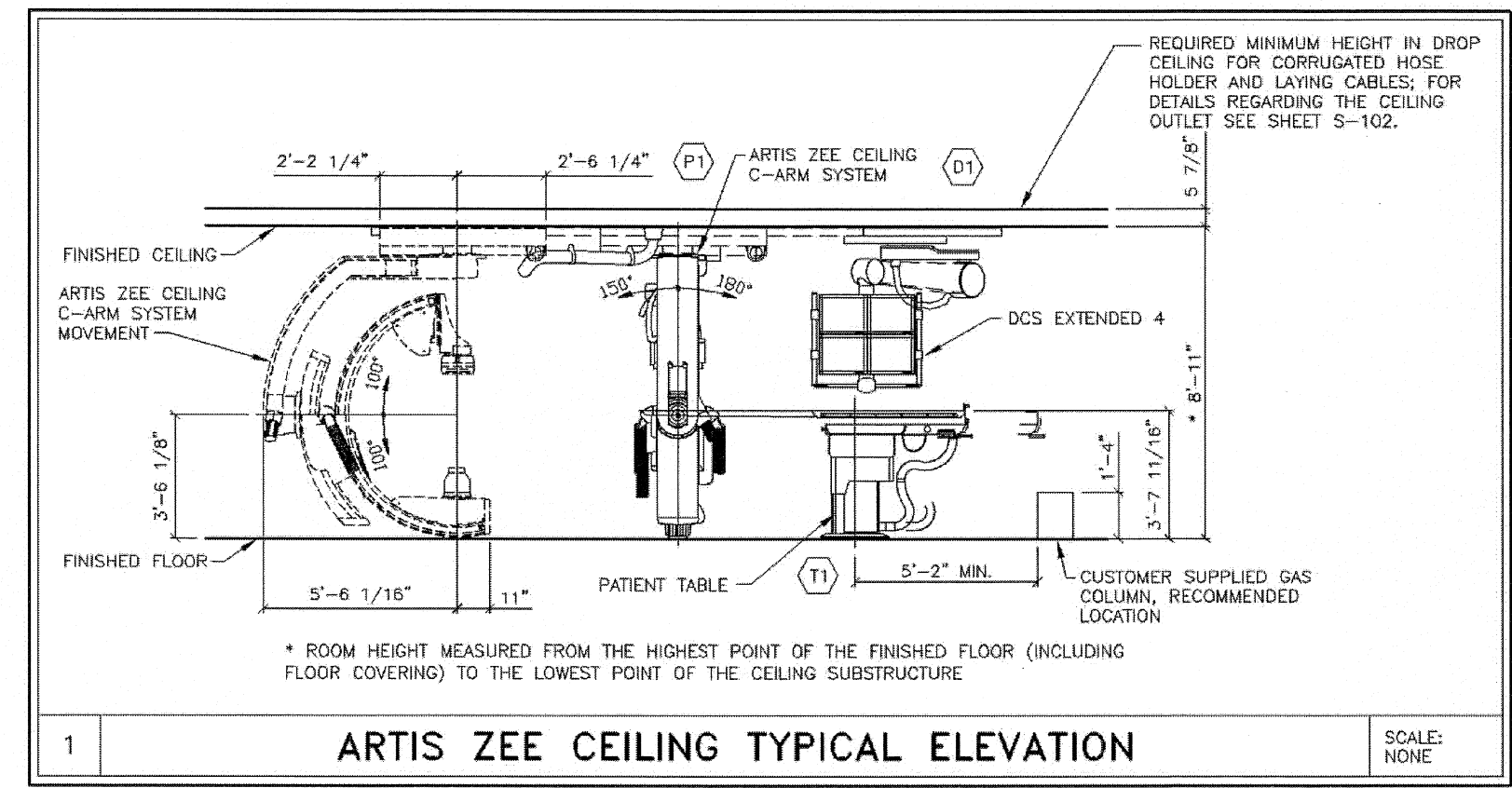
GRAPHIC SCALE:
0" 1"
SCALE:
PROJECT MANAGER: DM
DRAWN BY: DM
DATE OF RECORD: DM
PROJECT NO: 09022-01
DATE: 8.24.10
SHEET TITLE:
VENDOR EQUIPMENT
DRAWINGS SHEET 2



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.



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 SERIALS AND SHOULD NOT BE SEPARATED.

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.

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

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES)	REMARKS
					W D H	
1	ACE (ARCHIVE CONTROL EXTENSION)	⊖	13	N/A	12 1/4 11 3/4 4	MTD. ON CONTROL COUNTER
2	CONTROL ROOM DISTRIBUTOR	⊖	64	342	41 1/2 8 1/4 16 1/8	MTD. ON WALL
3	KEYBOARD	⊖	2.2	342	17 1/2 8 1/8 2 1/8	ON COUNTER
4	19" MONOCHROME LIVE DISPLAY	⊖	15	256	16 1/2 8 1/4 13 1/2	ON COUNTER
5	SYNGO X WORKSTATION TOWER, KEYBOARD, MONITOR	⊖	27	---	6 5/8 17 1/8 17 5/8	ON COUNTER
6	MULTI MODALITY VIEWING CONTAINER	⊖	176	5,120	17 3/4 23 1/2 23	FLOOR MOUNTED
7	MULTI MODALITY REMOTE CONTROL KEYPAD	⊖	---	---	---	MOUNTED ON COUNTER
8	TABLE CONTROL MODULES	⊖	13.8	---	16 1/2 8 3/4 3 1/2	ON TABLE OR TROLLEY
9	TROLLEY FOR CONTROL MODULES	⊖	59	---	23 21 40	MOUNTED ON CASTERS
10	DCS EXTENDED 4	⊖	606	1,024	167 60 3/4 50 3/4	CEILING SUSPENDED
11	ARTIS ZEE CEILING C-ARM STAND	⊖	1,994	882	---	C-ARM CEILING SUSPENDED
12	PATIENT TABLE (OR TABLE)	⊖	1,169	683	---	TABLE FLOOR MOUNTED
13	POLYDOROS A100 (POWER UNIT 1)	⊖	662	3,413	31 1/2 17 1/8 87	FLOOR MOUNTED
14	CABLE CABINET	⊖	265	---	31 1/2 17 1/8 87	FLOOR MOUNTED
15	SYSTEM CONTROL CABINET	⊖	518	5,440	23 1/2 17 1/8 87	FLOOR MOUNTED
16	SYSTEM CONTROL CABINET (OR TABLE ONLY)	⊖	276	682	23 1/2 17 1/8 87	FLOOR MOUNTED
17	AXIS IMAGE SYSTEM	⊖	331	4,347	23 37 1/2 28 3/8	MTD. ON CASTERS
18	KLIVIER COOLING UNIT	⊖	93	8,192	18 3/4 15 1/2 18 3/4	SHELF MOUNTED
19	POWERWARE 9356 15KVA UPS AND BATTERY	⊖	577	8,134	12 3/4 33 1/2 47 3/4	SEE MFG REQUIREMENTS
20	POWERWARE 9356 REMOTE TRANSFORMER CABINET	⊖	535	---	20 34 1/8 66	SEE MFG REQUIREMENTS
21	POWERWARE 9356 REMOTE PANEL MONITOR	⊖	---	---	5 7/8 1 5/8 4 7/8	SEE MFG REQUIREMENTS
22	UPPER BODY RADIATION SHIELD 4 M TRACK	⊖	196	---	---	TRACK MOUNTED

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.

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

CEILING HEIGHT REQUIREMENT
8 FT. - 11 IN.

STORAGE
TEMPERATURE RANGE: -4° F TO 140° F
RELATIVE HUMIDITY: 10% TO 95% NON CONDENSING
AIR PRESSURE: 500 HPa TO 1060 HPa

PACKAGING & TRANSPORT PATH
LARGEST CRATE WITH PACKING: 103.8"W x 45.50"D x 81.50"H
WEIGHT: 2,590 LBS.
LARGEST SINGLE PART WITH TRANSPORT CARRIAGE (MIN. DOOR OPENING): 97.25"L x 39.5"W x 75.0"H
WEIGHT: 2,006 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
- OUPLETS
- PHYSIOLOGICAL MONITORING

EQUIPMENT SUPPLIED AND INSTALLED BY CUSTOMER

SYM	DATE	DESCRIPTION
Δ	08/19/10	ADD MANG TRACK BACK IN. WARE UNIT TO 5-7 FOR REFERENCE ONLY
Δ	07/08/10	RE-LOADING VERSION DATED 06/15/10 APPROVED BY CUSTOMER (PER FINAL)

ARCHITECTURAL NOTES

- 1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS MEDICAL SOLUTIONS, INC. (SMS HEREINAFTER) 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 AN ARCHITECTURAL DRAWINGS SUPPLIED TO SMS. SMS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENDOCHROCH 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) ALL 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 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 INSTANTATION 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) FLOORING 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/ANSTRUT 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 IT 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 CEILING	AXA4-060.891.01.03.02	12.09
DCS (DISPLAY CEILING SUSPENSION)	AXA4-700.891.01.07.02	10.09

ARTIS ZEE CEILING 05/26/10

NOTE: THIS DRAWING WAS NOT PREPARED BY SMRT. IT IS PROVIDED FOR COORDINATION AND REFERENCE PURPOSES ONLY.