

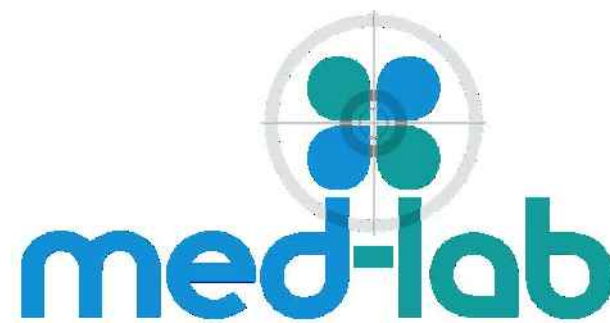
BRUCE W. CARTER VAMC MIAMI
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BIOGRAPH mCT.X 128



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Project #: 1100116

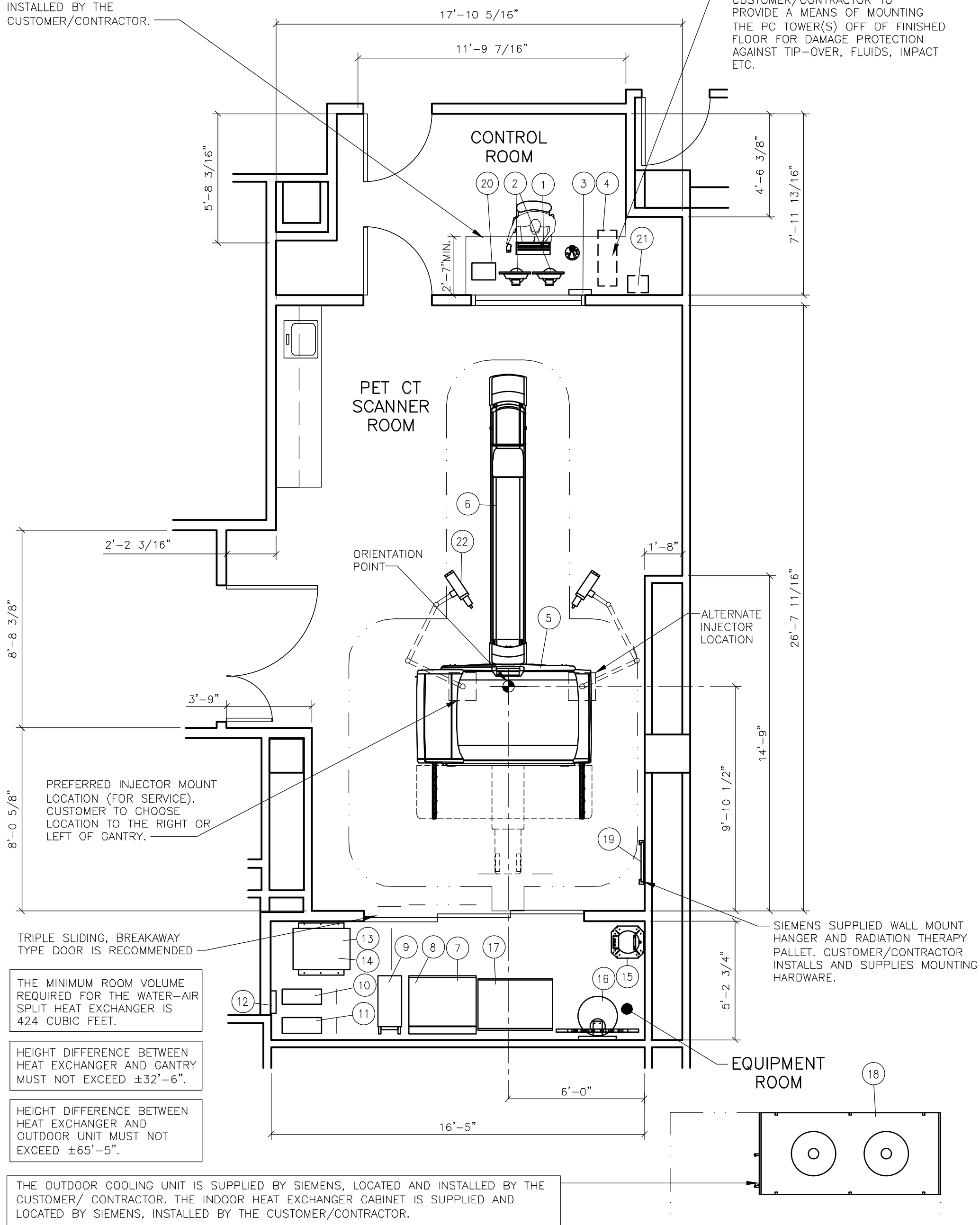
SIEMENS
SIEMENS MEDICAL SOLUTIONS
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Malvern, PA 19355
www.usa.siemens.com/medical

HEIGHT OF WINDOW TO BE COORDINATED WITH COUNTERTOP/DESK HEIGHT.

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.

CONTROL COUNTER TO BE DESIGNED, SUPPLIED AND INSTALLED BY THE CUSTOMER/CONTRACTOR.

IT IS THE RESPONSIBILITY OF THE CUSTOMER/CONTRACTOR TO PROVIDE A MEANS OF MOUNTING THE PC TOWER(S) OFF OF FINISHED FLOOR FOR DAMAGE PROTECTION AGAINST TIP-OVER, FLUIDS, IMPACT ETC.



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.

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.

CASEWORK & ACCESSORY NOTES

- ALL CASEWORK IS EITHER EXISTING OR IS TO BE DESIGNED, DETAILED, FURNISHED AND INSTALLED BY THE CUSTOMER AND/OR CONTRACTOR. FOLLOW DESIGN RECOMMENDATIONS INCLUDED HEREWITH, AS THEY ARE ESSENTIAL FOR THE SUCCESSFUL INSTALLATION & OPERATION OF THE SIEMENS EQUIPMENT.
- ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.

PLANNING REQUIREMENTS

EMERGENCY POWER OFF (EPO) BUTTONS REQUIRED IN CONTROL ROOM AREA, SCANNER ROOM AREA AND EQUIPMENT AREA.

DOOR (SAFETY) SWITCH REQUIRED ON ALL DOORS ACCESSING THE EXAMINATION ROOM IN ACCORDANCE WITH LOCAL CODES.

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 10') 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.

NOISE LEVEL

SYSTEM COMPONENT	DECIBEL LEVEL (AT 3'-3" DISTANCE)
PET/CT GANTRY	<68
PHS	<60
PDU CABINET	<55
PDC CABINET	<55
IRSmx3c TOWER (20/40/64 SLICE)	<55 (1)
IRSmx3b TOWER (128 SLICE/EDGE)	<55
ACS / PRS TOWER PC	<50
HEAT EXCHANGER - WATER/AIR SPLIT	<60

1) NOISE DEPENDS ON THE ROOM TEMPERATURE AND THE PROCESSOR LOAD.

GOVERNMENT PROJECTS

THE SIEMENS PLANS ARE NOT COMPLETE CONSTRUCTION DOCUMENTS. THEY ARE INTENDED AS DESIGN RECOMMENDATIONS FOR OPTIMAL EQUIPMENT OPERATION. SHOULD THE GOVERNMENT PROJECT BE EXEMPT FROM APPLICABLE CODE LIMITATIONS, THE PLANS MAY BE UTILIZED AS CONSTRUCTION GUIDES BY CONSTRUCTION PROFESSIONALS.

ENVIRONMENTAL REQUIREMENTS

CLIMATE CONTROL MUST BE PROVIDED 24 HOURS A DAY, 7 DAYS A WEEK. TEMPERATURE SETBACKS ARE NOT ALLOWED. PLEASE SEE EQUIPMENT LEGEND FOR SITE SPECIFIC HEAT DISSIPATION.

SCANNER ROOM:

THE SCANNER ROOM SHOULD MAINTAIN BETWEEN 68°F-79°F (± 2.7°F PER HR.) AND A RELATIVE HUMIDITY OF 20-75% WITH DewPoint BELOW 63°F. A BAROMETRIC PRESSURE: 10.9 TO 15.4 PSI. AIR CONDITIONING MUST BE PROVIDED 24 HRS A DAY, 7 DAYS A WEEK.

EQUIPMENT ROOM:

THE EQUIPMENT ROOM SHOULD MAINTAIN BETWEEN 64°F-86°F AND A RELATIVE HUMIDITY OF 20-75%. A BAROMETRIC PRESSURE: 10.9 TO 15.4 PSI. AIR CONDITIONING MUST BE PROVIDED 24 HRS A DAY, 7 DAYS A WEEK.

CONTROL ROOM:

THE CONTROL ROOM SHOULD MAINTAIN BETWEEN 68°F-79°F AND A RELATIVE HUMIDITY OF 20-75%. A BAROMETRIC PRESSURE: 10.9 TO 15.4 PSI.

EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS EU3 TO EU4 TO FILTER DUST PARTICLES UP TO >10µm.

THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION BY HYDROGEN SULPHIDE, EVEN IN SMALL AMOUNTS. THE MOST COMMON SOURCES FOR HYDROGEN SULFIDES ARE:

EXHAUST FUMES AND WASTE WATER OF FILM PROCESSORS.
EXPOSED SEWER DRAINAGE - NON SYPHON INCLUDED.
SEWER PIPE OR IN FLOOR DRAIN.
EXHAUST FUMES FROM DIESEL POWER UNITS
EMERGENCY POWER, ETC.

IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS IS REQUIRED E.G.,

EXTRACTOR FANS
SYPHON
MODIFICATION OF VENTILATION INTAKE, ETC.

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES)			REMARKS
					W	D	H	
1	KEYBOARD AND CONTROL BOX - ICS	⊖	-	-	-	-	-	ON CUSTOMER'S COUNTER
2	19" FLAT SCREEN DUAL CONTROL MONITORS	⊖	29	<225	16 1/2	8 3/8	16 1/8	ON CUSTOMER'S COUNTER
3	POWER CONNECTION TERMINAL - ICS	⊖	-	-	-	-	-	WALL MOUNTED
4	SYNGO ACQUISITION WORKPLACE	⊖	<30	<1706	9 13/16	29 1/2	18 1/2	OFF FLOOR/IN CONTAINER
5	BIOGRAPH mCT X GANTRY	⊖	7,184	5,123*	92 5/16	53 1/2	80 1/4	*ADDITIONAL HEAT DISSIPATED TO WATER 51,228 BTU/HR
6	PATIENT TABLE	⊖	1,586	1,023	17	148 7/8	48	UPS LOCATED INSIDE OF PDC
7	POWER DISTRIBUTION CABINET & UPS	⊖	<1,374	6,824	35 1/2	27 1/2	76 7/8	UPS LOCATED INSIDE OF PDC
8	ETHERNET SWITCH FOR ICS, IRS, GANTRY & PDC'S	⊖	-	-	-	-	-	LOCATED INSIDE PDC
9	IMAGE RECONSTRUCTION SYSTEM - IRSmx3b	⊖	94	4,095	12 1/2	30 3/4	19 3/4	WITH 128/EDGE CONFIG.
10	PET ACQUISITION SYSTEM	⊖	<60	1,706	8	21	17 13/16	OFF FLOOR
11	PET RECONSTRUCTION SYSTEM	⊖	<60	1,706	8	21	17 13/16	OFF FLOOR
12	POWER CONNECTION TERMINAL - ACS/PRS	⊖	-	-	13 9/16	2 15/16	5 11/16	WALL MOUNTED
13	POWER DISTRIBUTION UNIT & COMP UPS - PDU	⊖	792	3,800	27 3/4	30	61 1/4	ON FLOOR
14	PET GANTRY UPS	⊖	106	1,150	17 1/2	28 1/2	6	LOCATED INSIDE PDU
15	LEAD PIG	⊖	392	-	17	17	20 1/2	RADIOACTIVE SOURCE STORAGE
16	FILTER ASSEMBLY	⊖	25	-	9	20	16	WALL MOUNTED. SIEMENS/CUSTOMER SUPPLIED
17	HEAT EXCHANGER CABINET - WATER/AIR SPLIT	⊖	911	3,412	39 3/8	27 1/4	77	ON FLOOR
18	OUTDOOR UNIT - WATER/AIR SPLIT	⊖	397	119,425	43 1/4	95 1/2	40 1/2	
19	RTP PALLET	⊖	23.5	-	21	10	80 1/2	SIEMENS/CUSTOMER SUPPLIED WALL MOUNTED.
20	MEDRAD DISPLAY CONTROL UNIT	⊖	8	-	12 1/2	9	13 1/2	HEIGHT WITH SCREEN UP
21	MEDRAD BASE UNIT	⊖	14	-	11	8 3/4	11 1/2	UNDER COUNTER ON SHELF
22	CEILING MOUNTED MEDRAD INJECTOR	⊖	106	-	-	-	-	SEE MFG SPECIFICATIONS

TRANSPORT AND DELIVERY

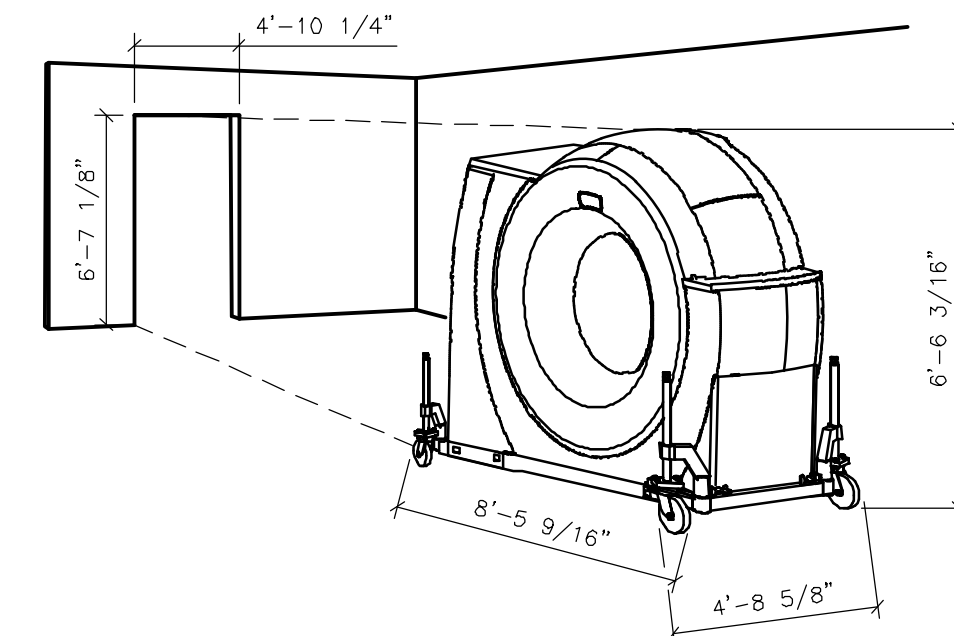
TOTAL CT GANTRY TRANSPORT DEVICE WEIGHT: 5,267 LBS.

CT GANTRY WITHOUT COVERS AND TRANSPORT DEVICE: 5,026 LBS.

CT TRANSPORT DEVICE: 417 LBS.

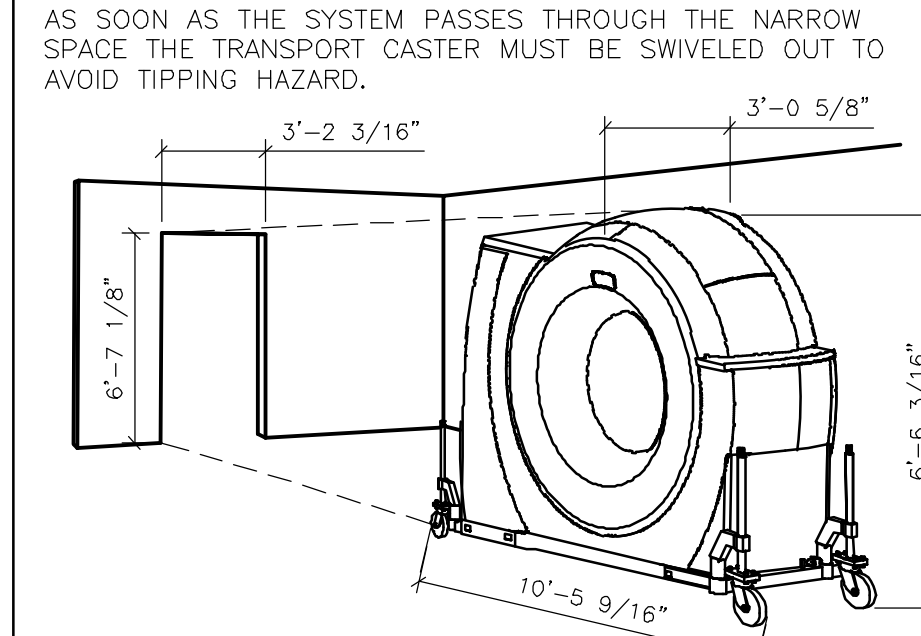
NORMAL TRANSPORT REQUIREMENTS:

DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY. SEE MAXIMUM WIDTH AND MINIMUM LENGTH ABOVE FOR TRANSPORT CASTERS SWIVELED OUT.



NARROW SPACE TRANSPORT REQUIREMENTS:

WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE OR DOORWAY THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN IN THIS SKETCH.



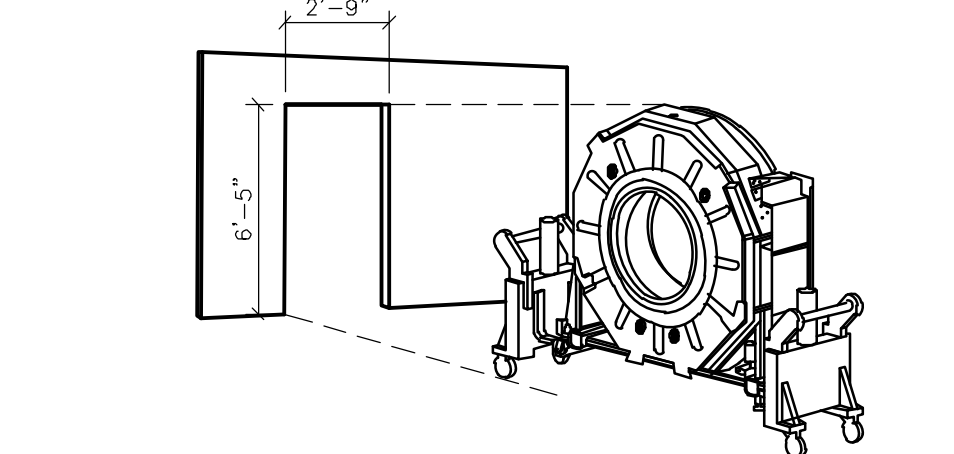
TOTAL PET GANTRY TRANSPORTING DEVICE AND STABILIZER WEIGHT: 2,830 LBS.

PET GANTRY TRANSPORT DEVICE: 532 LBS.

PET GANTRY STABILIZER: 100 LBS.

NORMAL TRANSPORT REQUIREMENTS:

WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE OR DOORWAY THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN IN THIS SKETCH.



FLOOR LOAD DURING TRANSPORT FOR BOTH GANTRIES:

ACCESS FLOORS HAVE TO BE DESIGNED FOR A WEIGHT CAPACITY OF A MINIMUM OF 882 LBS. PER SLAB/PLATE. DURING TRANSPORT OF THE GANTRIES, THE LOAD MAY BE HIGHER AT CERTAIN INDIVIDUAL POINTS DUE TO UNEVEN FLOORING. IF REQUIRED, COVER THE TRANSPORT ROUTE WITH METAL SHEETS FOR LOAD DISTRIBUTION.

LIFTING GANTRIES WITH CRANE:

IF GANTRIES NEED TO BE LIFTED CRANING BASKET MUST BE USED.

FINISHED ROOM HEIGHT

FOR BIOGRAPH mCT GANTRY ONLY	RECOMMEND 8'-0" MINIMUM 7'-5"
CAREVISION MONITOR/CEILING MOUNT	MIN. 8'-7 1/2" MAX. 11'-2 5/8"
CEILING MOUNT INJECTOR	MINIMUM 8'-9 1/2"

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 SUPPORT 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 ENCRATCH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (E.G. 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. 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 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.
- 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 THE 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 AUXILIARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (E.G. 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.).
- 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.

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.

RESOURCE LIST (SMS USE ONLY)

DESIGNATION	PG NUMBER	DATE
BIOGRAPH mCT-S/X/EXCEL/FLOW	MT19-000.891.01.02.02	08/13

BIOGRAPH mCT
REV. 3

PROJECT MANAGER: EMMANUEL GARCIA
TEL: (305) 546-6062 EXT:
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EMAIL: emmanuel.garcia.ext@siemens.com

med-lab · SIEMENS

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PETCT - BIOGRAPH mCT-S/X 128

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SCALE: AS NOTED REF: 40158795

PROJECT #:

1100116

SHEET: 1 OF 10

DRAWN BY: M. SERGOT

DATE: 03/09/15

SHEET:

A-101

ATTENTION:

THE DRAWING AND SPECIFICATIONS CONTAINED HEREIN ARE PROVIDED BY MED-LAB SUPPLY CO., INC. AS A PLANNING SERVICE. THEY ARE 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. THEY SHOULD BE CHECKED, CHANGED AND APPROVED BY A QUALIFIED ENGINEER OR CONTRACTOR IN ORDER TO ADAPT THEM TO THE

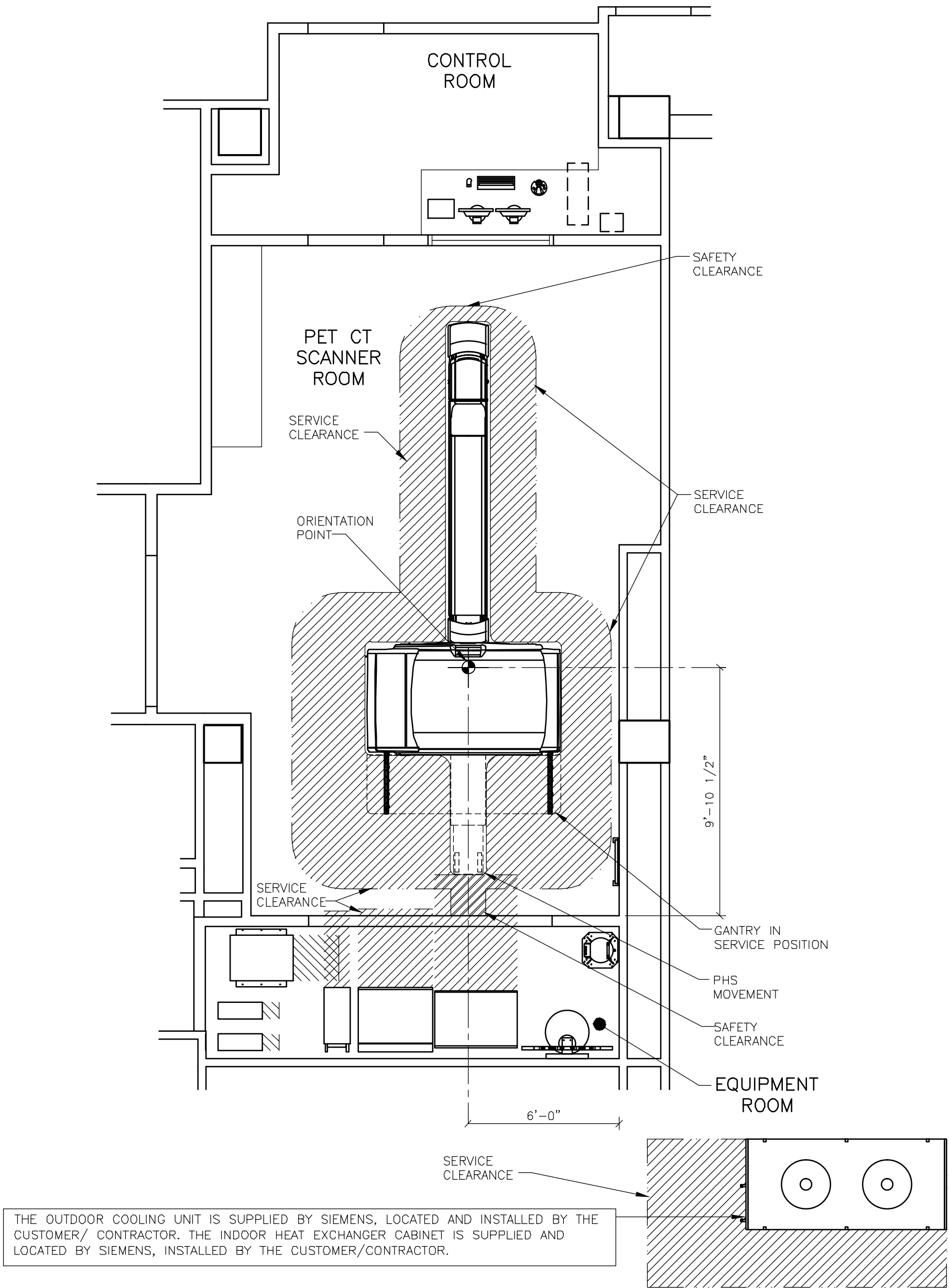
SPECIFIC TYPE OF CONSTRUCTION AND AVAILABLE SPACE AS WELL AS TO COMPLY WITH LOCAL CODES. IN ORDER TO AVOID DELAY IN INSTALLATION, MED-LAB'S PLANNING DEPARTMENT SHOULD BE CONSULTED PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND SIEMENS/MED-LAB DOCUMENTS HAVE TO BE BROUGHT UP TO MED-LAB'S ATTENTION. WE NEED NOTIFICATION OF ALL CHANGES. MED-LAB DOCUMENTS SHOULD BE INCORPORATED INTO THE CONSTRUCTION DOCUMENTS FOR REFERENCE.

THIS DRAWING SHOULD NOT BE CONSTRUED AS AN OFFER TO SELL THE EQUIPMENT SHOWN HEREIN. THE OFFER IS MADE ONLY THROUGH OUR QUOTATION WHERE THE EXACT EQUIPMENT BEING PROPOSED IS CLEARLY OUTLINED. THIS DRAWING IS THE PROPERTY OF MED-LAB. REPRODUCTION IS PROHIBITED UNLESS EXPRESSLY AUTHORIZED.

03/09/15 THIS SET APPROVED UNTIL 11/10/18 WITH 10/15/14 (WITH CHANGES) BASED ON SALES ORDER

SYM DATE DESCRIPTION

-ISSUE BLOCK-



SAFETY/SERVICE CLEARANCE PLAN

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

ATTENTION:

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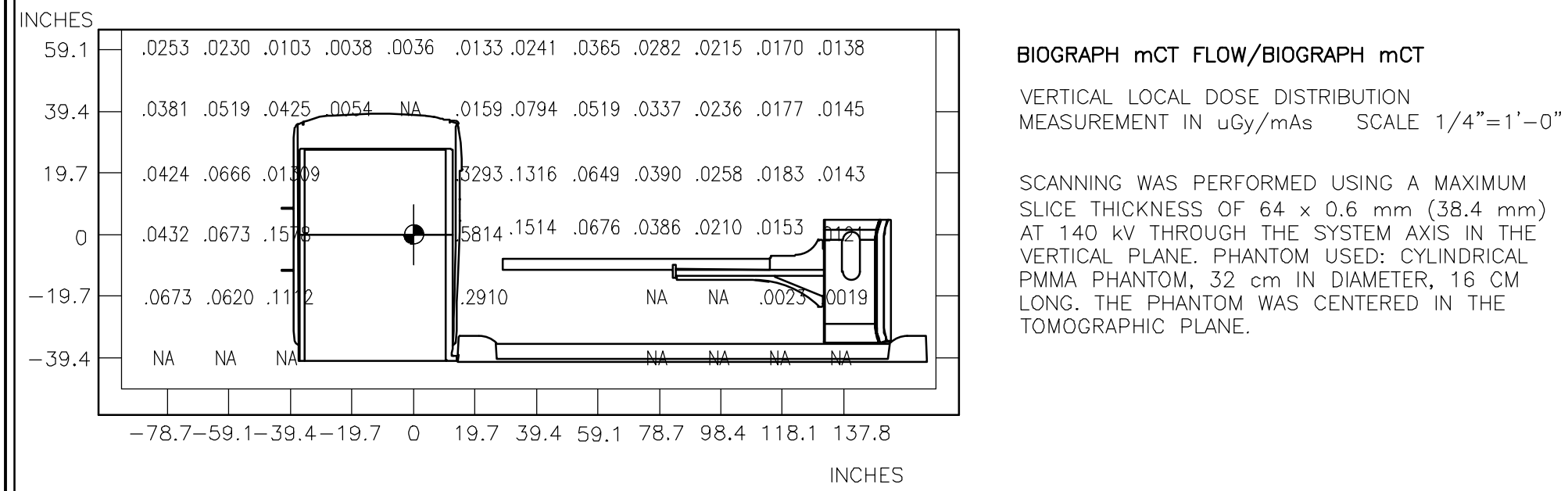
FINISHED ROOM HEIGHT	
FOR BIOGRAPH mCT GANTRY ONLY	RECOMMEND 8'-0" MINIMUM 7'-5"
CAREVISION MONITOR/CEILING MOUNT	MIN. 8'-7 1/2" MAX. 11'-2 5/8"
CEILING MOUNT INJECTOR	MINIMUM 8'-9 1/2"

PROJECT MANAGER: EMMANUEL GARCIA TEL: (305) 546-6062 EXT: FAX: EMAIL: emmanuel.garcia.ext@siemens.com	
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SCALE: AS NOTED	REF. # 50158795

PROJECT #: 1100116	
SHEET: A-102	

SHEET 2 OF 10	
DRAWN BY: M. SERGOT	
DATE: 03/09/15	

RADIATION SCATTER



SAFETY CLEARANCE NOTE

IF THE SAFETY DISTANCES ARE NOT OBSERVED, SAFETY MEASURES IN ACCORDANCE WITH LOCAL CODES SHOULD BE UTILIZED (FOR EXAMPLE BARRIERS, WARNING SIGNS, AND SAFETY MATS).

RADIATION SAFETY

LEAD OR EQUIVALENT SHIELDING MAY BE REQUIRED IN THE WALLS OF THE SCANNER ROOM, HOTLAB AND/OR PATIENT PREPARATION AREAS. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY WITH THE SITE'S RADIATION SAFETY OFFICER THAT RADIATION DOSE RATES FROM THE PET PATIENT AND/OR ISOTOPE WILL NOT EXCEED LOCAL RADIATION SAFETY GUIDELINES IN THE ROOM ADJACENT TO SCANNER, HOTLAB, AND/OR PATIENT PREPARATION AREAS.

IMPROPER SHIELDING MAY AFFECT CAMERA'S PERFORMANCE.

RADIATION AND STORAGE CONSIDERATIONS

THE CT PRODUCES RADIATION WHILE PERFORMING BIOGRAPH mCT FLOW OR BIOGRAPH mCT SCANS. RADIATION CONCERNS FOR PET LIE IN THE USE OF RADIOACTIVE ISOTOPIES FOR CLINICAL SCANNING OR SERVICE SCANS.

THE RADIOACTIVE SOURCES REQUIRED FOR INSTALLING AND SERVICING THE PET GANTRY, INCLUDE PHANTOM CYLINDERS OF SEVERAL mCi ASSAY AND TWO APPROXIMATE 1.0 - 1.5 mCi ROD SOURCES AS NEEDED FOR THE GANTRY OFFSET CALIBRATION. SOURCES MUST BE AVAILABLE UPON SYSTEM INSTALLATION. A STORAGE AREA SHOULD BE DESIGNATED FOR SOURCES UNTIL INSTALLATION TO LIMIT EXPOSURE.

ADDITIONAL RADIATION CONSIDERATIONS:

STATIC MAGNETIC FIELD: B < 100µT

MAGNET FIELD VARIATION: ΔB_{eff} < 25µT

BACKGROUND RADIATION: <10 µSv/h (1mR/h) 6 FT FROM CENTER OF FIELD OF VIEW

STORAGE CONSIDERATIONS

THE BIOGRAPH mCT FLOW OR BIOGRAPH mCT GANTRY IS SHIPPED WITH THE DETECTORS INSTALLED. TO AVOID PERMANENT DAMAGE TO THE CRYSTALS DURING SHIPMENT, THE TEMPERATURE TOLERANCE MUST REMAIN BETWEEN 50°F-86°F AND RELATIVE HUMIDITY OF 20% TO 75%. A BAROMETRIC PRESSURE: 10.15 TO 15.4 psi. THE BIOGRAPH mCT FLOW OR BIOGRAPH mCT MAXIMUM STORAGE TIME IS SIX MONTHS.

BIOGRAPH mCT FLOW OR BIOGRAPH mCT COMPONENTS HAVE TO BE STORED IN THE RESPECTIVE TRANSPORT PACKAGING. IF THE ORIGINAL PACKAGING PROVIDED IS NOT AVAILABLE, EQUIVALENT PACKAGING WILL NEED TO BE USED FOR INTERMEDIATE STORAGE.

WHEN MOVING THE BIOGRAPH mCT FLOW OR BIOGRAPH mCT GANTRY FROM A COLD ENVIRONMENT INTO A WARM ROOM, ALLOW THE SYSTEM TO STABILIZE AT ROOM TEMPERATURE FOR 24 HOURS BEFORE OPENING.

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.

2) THE LIGHTING IN ROOMS IN WHICH DIAGNOSES ARE MADE ON VIDEO DISPLAY UNITS (MONITORS) MUST MEET THE FOLLOWING REQUIREMENTS:

- ADJUSTABLE, GLARE-FREE AND REPRODUCIBLE SETTING OF LIGHTING (I.E. DIMMER WITH SCALE)

- NO REFLECTIONS FROM WINDOWS, LAMPS AND VIEWING BOXES WHEN THE MONITORS ARE IN THEIR STANDARD OPERATING POSITION.

BIOGRAPH mCT FLOW/BIOGRAPH mCT
REV. 3

med-lab · SIEMENS

BRUCE W. CARTER VAMC MIAMI
1201 NW 16 AVE, MIAMI, FL 33125
PETCT - BIOGRAPH mCT.S/X 128

03/09/15

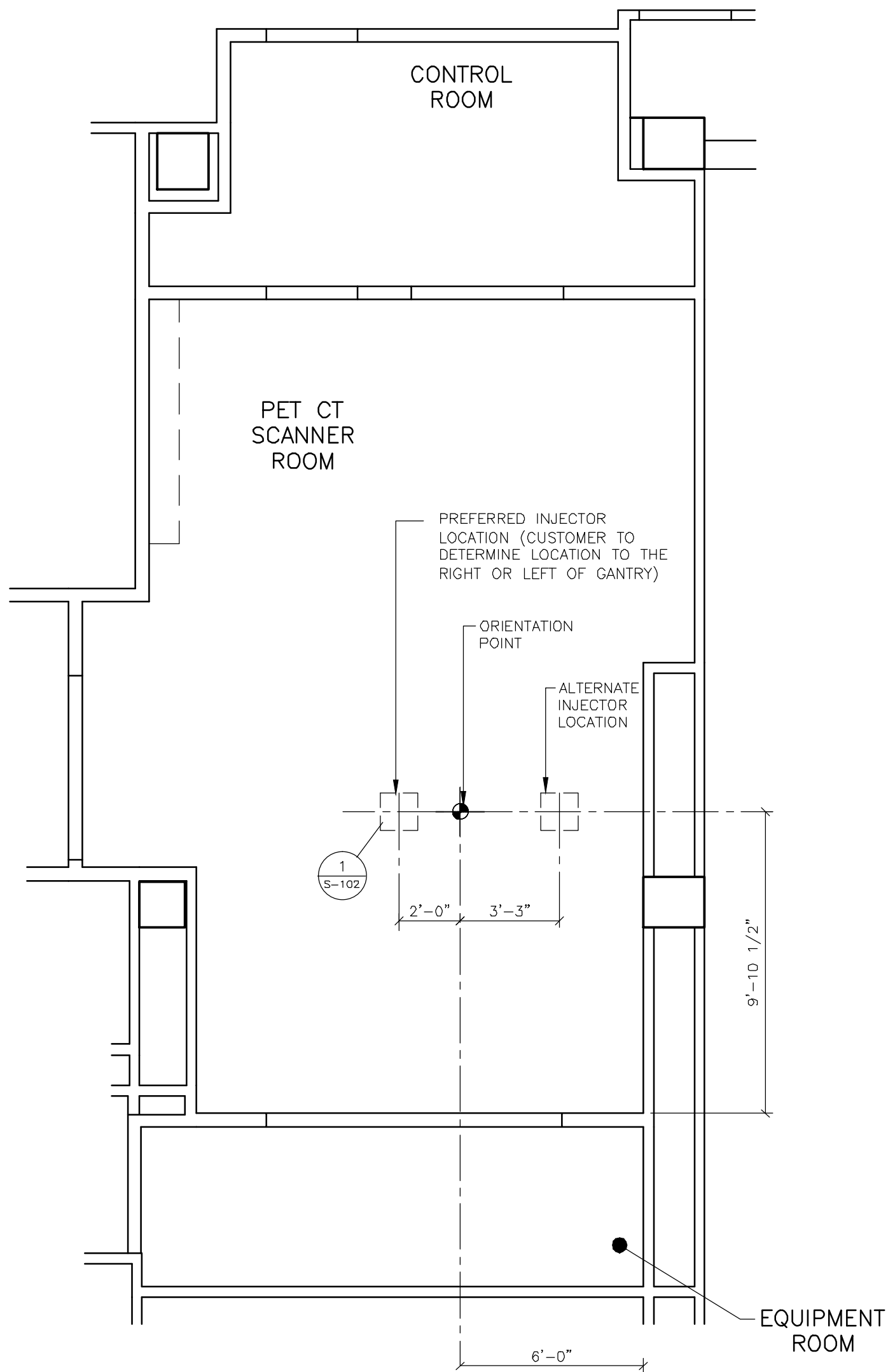
THIS PER APPROVED UNTIL 4-10-2015 WITH 10/15/14 (WITH CHANGES) BASED ON SALES ORDER

SYM DATE DESCRIPTION

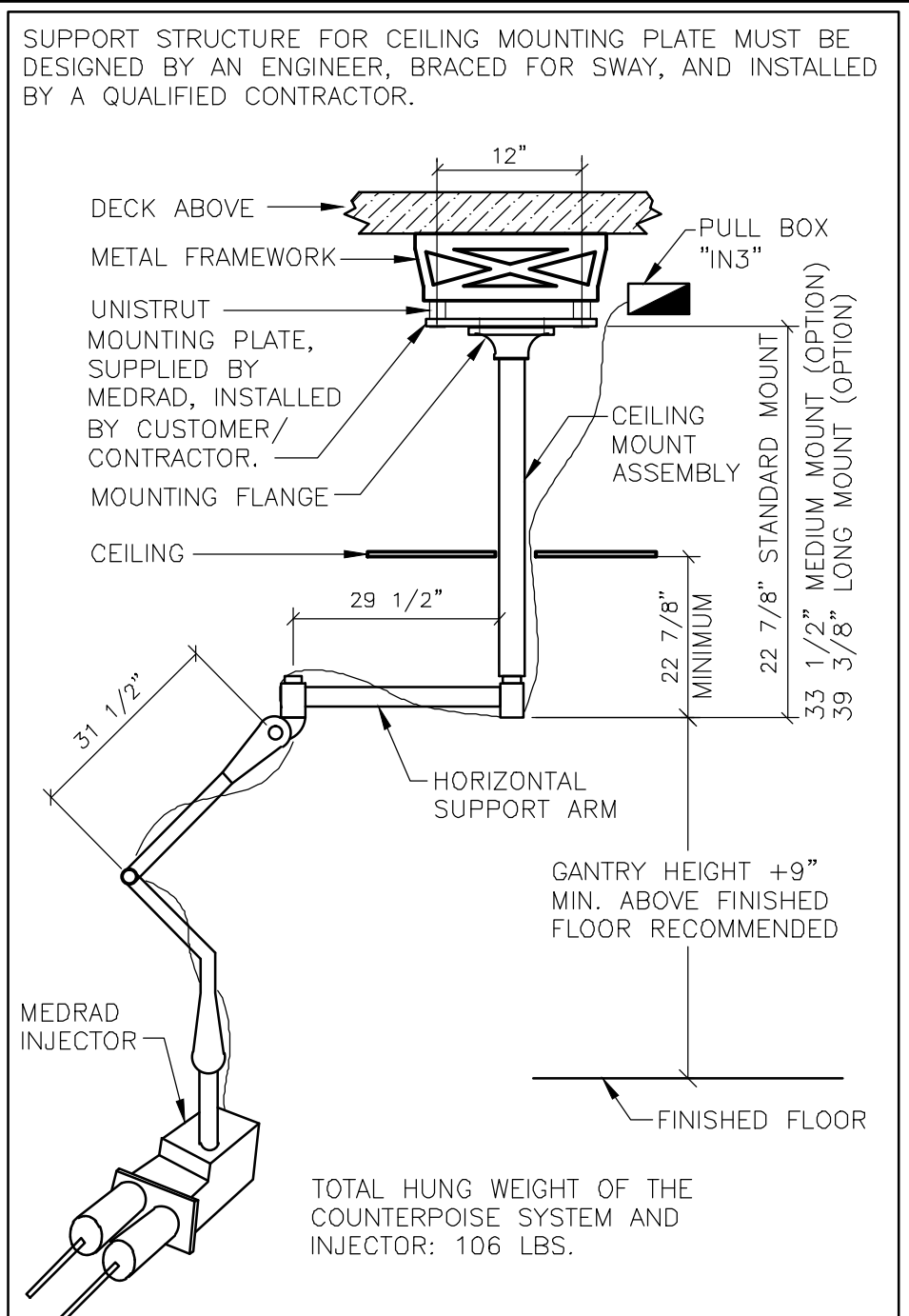
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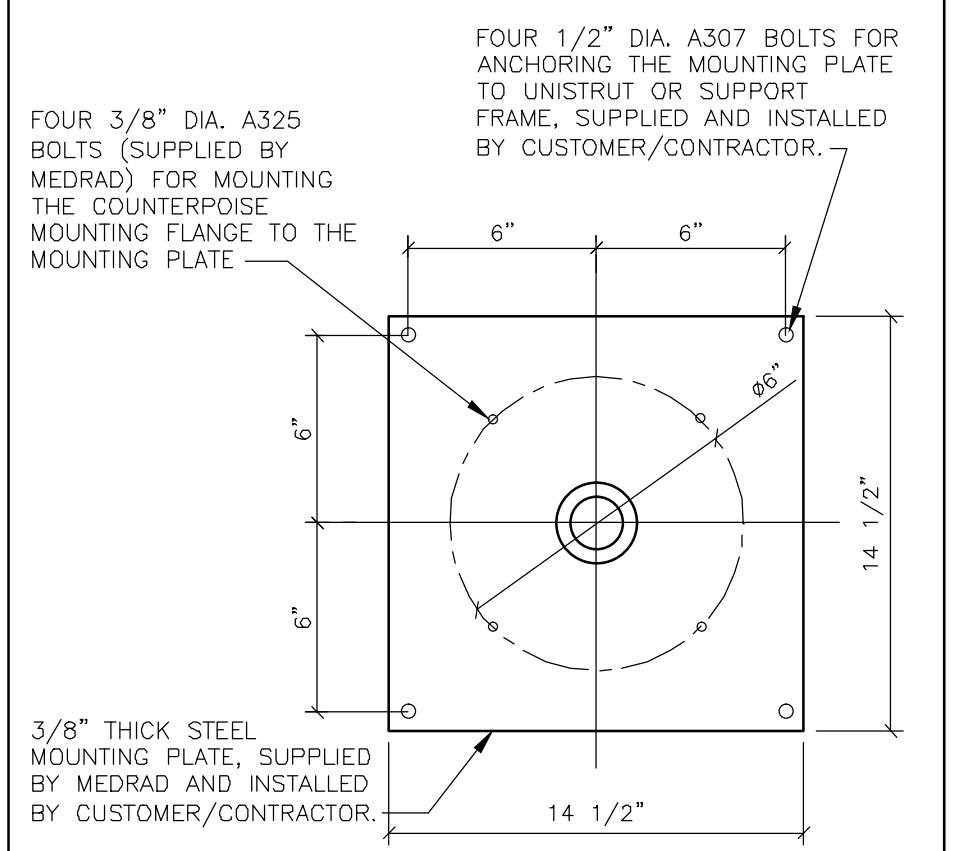
REF. # 50158795



NOTE: FOR THE WEIGHTS OF ALL SIEMENS EQUIPMENT SHOWN ON THIS PLAN, SEE THE "EQUIPMENT LEGEND" ON SHEET A-101.



THE MOUNTING PLATE MUST BE INSTALLED ABOVE THE FINISHED CEILING. THERE SHOULD BE SPACE ABOVE THE PLATE TO ACCESS NUTS AND LOCK WASHERS DURING INSTALLATION.



CEILING MOUNTING PLATE DETAIL		REV 0
1	MEDRAD INJECTOR (CL)	SCALE: NONE

STRUCTURAL CEILING PLAN

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

FINISHED ROOM HEIGHT	
FOR BIOGRAPH mCT GANTRY ONLY	RECOMMEND 8'-0" MINIMUM 7'-5"
CAREVISION MONITOR/CEILING MOUNT	MIN. 8'-7 1/2" MAX. 11'-2 5/8"
CEILING MOUNT INJECTOR	MINIMUM 8'-9 1/2"

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BRUCE W. CARTER VAMC MIAMI 1201 NW 16 AVE, MIAMI, FL 33125 PETCT - BIOGRAPH mCT.S/X 128			PROJECT #: 1100116	
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ALL RIGHTS ARE RESERVED.			SHEET 4 OF 10 DRAWN BY: M. SERGOT	
SCALE: AS NOTED REF. # 30158795			DATE: 03/09/15	

BIOGRAPH mCT (BIOGRAPH) mCT
REV. 3

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FLOOR REQUIREMENTS

THE ENGINEER OF RECORD OF THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT ALL WEIGHTS AND FORCES. THE ENGINEER OF RECORD FOR THE BUILDING AND SIEMENS ENGINEERING SHALL JOINTLY REVIEW DEVIATIONS FROM THE FOLLOWING REQUIREMENTS.

IT IS THE CUSTOMER'S RESPONSIBILITY TO CONTRACT A QUALIFIED SPECIALIST TO IMPLEMENT SITE MODIFICATIONS THAT MEET THESE SPECIFIC LIMITS AND TO DESIGN STRUCTURAL SOLUTIONS IN CASE OF DEVIATIONS.

- 1) THE MINIMUM ALLOWABLE CONCRETE THICKNESS FOR NONSEISMIC REGIONS OF THE SCANNER ROOM FLOOR IS 4.5".
2) THE CONDITIONS OF FLOORING, VIBRATION-FREE LOCATION, AND/OR INSTALLATION OF THE GANTRY AND PATIENT TABLE ONLY ON:

CONCRETE FLOORING
CONCRETE CLASS C20/25 TO C50/60
ACCORDING TO DIN 1045-1. DIN 1045-2

ACCEPTABLE FLOOR STRUCTURAL MATERIALS FOR LOAD BEARING AREAS OF THE BIOGRAPH mCT FLOW OR BIOGRAPH mCT GANTRY AND PHS ARE RESTRICTED TO CONCRETE, STEEL, OR HIGH AGGREGATE EPOXY GROUTS: SUCH AS EPOGROUT 758 OR MASTERFLOW 648 OR EQUIVALENT. THE FLOOR STRUCTURE FOR THE LOAD BEARING AREAS SHALL NOT CONTAIN COMPLIANT MATERIALS THAT ARE SUBJECT TO MOVEMENT WITH THE PASSAGE OF TIME: SUCH AS LEAD, WOOD OR SAND/MORTAR MIXES.

- 3) THE CONCRETE PROPERTIES:

COMPRESSIVE STRENGTHS:
RECOMMENDED CONCRETE IS > 20 MPa
(2,900 psi).

COMPRESSIVE MODULUS OF ELASTICITY:
CONCRETE SHALL BE > 20684 MPa (3,000,000 psi).

FLEXURAL MODULUS OF ELASTICITY:
CONCRETE SHALL BE > 20684 MPa (3,000,000 psi).

CONCRETE MUST BE CURED AT LEAST 28 DAYS PRIOR TO MACHINE INSTALLATION. CONCRETE FLOORING TO BE TESTED BY A STRUCTURAL ENGINEER.

- 4) THE EVENNESS AND LEVELNESS OF THE FLOOR:

LEVELNESS:
VARIATION OF THE FLOOR LEVELNESS IN THE GANTRY AND PHS AREAS SHOULD NOT EXCEED .5 INCHES OVER 10'-0".

VARIATION IS TO BE MEASURED AT THE GANTRY AND PHS MOUNTING POINTS.

- 5) THE FLOOR COVERING REQUIREMENTS:

FLOOR COVERING:
VINYL FLOOR COVERING WITH A MINIMUM STATIC LOAD LIMIT RATING OF 5.2 MPa (750.0 psi REFERENCE ASTM F 970) IS RECOMMENDED UNDER THE GANTRY AND PHS. SOFT FLOOR COVERING ARE SUBJECT TO GRADUAL MOVEMENT (CREEP).

UNDER GANTRY:
REMOVE ALL FLOOR COVERING IN THE LOAD BEARING AREAS.

INSTALLATION OF THE BIOGRAPH mCT FLOW OR BIOGRAPH mCT ON A FLOATING FLOOR WITHOUT SUB-CONSTRUCTIONS IS PROHIBITED.

- 6) THE MACHINE BASE PAD (OPTIONAL) TO BE CREATED AND MUST BE ADHERE TO THE CONCRETE FLOOR BY THE APPROVAL FROM THE SITE ENGINEER OF RECORD USING GROUTING MATERIAL EPOGROUT 758 (L&M CONSTRUCTIONS CHEMICALS, INC 1-800-362-3331) OR MASTERFLOW 648 CP (BASF 1-800-243-6739) TO ADDRESS THE FOLLOWING CONDITIONS:

TO INCREASE THE FLOOR THICKNESS.
TO CORRECT LEVELNESS OF THE FLOOR.
EXCESSIVE INTERFERENCE BETWEEN MOUNTING ANCHORS AND REBAR.
REPAIR CONCRETE HOLES.
REQUIRED 3" MACHINE BASE PAD WHEN UTILIZING SURFACE MOUNT DUCT UNDER THE GANTRY.

THE MACHINE BASE SHOULD BE MINIMUM OF 1" AND A MAXIMUM OF 2 1/2" THICK, UNLESS UTILIZING SURFACE MOUNT DUCT UNDER THE GANTRY 3" THICK REQUIRED AND APPLIED DIRECTLY TO A CLEAN CONCRETE SURFACE WITH NO INTERMEDIATE MATERIALS BETWEEN THE CONCRETE AND THE EPOGROUT.

IF THE MACHINE BASE PAD IS USED, SOLID ALUMINUM SPACERS (SUPPLIED BY THE CUSTOMER) WITH NO INTERMEDIATE MATERIALS WILL BE NEEDED BENEATH THE PET GANTRY SERVICE RAILS. EACH SPACERS MUST HAVE A HEIGHT MATCHING THE HEIGHT OF THE MACHINE BASE PAD AND MUST BE 31" LONG AND 4" WIDE. SITE MANAGER IS RESPONSIBLE FOR HAVING THE SPACERS CUSTOM BUILT TO THESE DIMENSIONS.

- 7) THE ANCHOR PROPERTIES:

TENSION CAPABILITY:
ALLOWABLE TENSION LOAD CAPABILITY FOR EMBEDDED CONCRETE ANCHORS SHALL BE GREATER THAT 1000.0 LB.

ANCHOR DEPTH:
ANCHOR EMBEDMENT DEPTH AND CONCRETE THICKNESS SHALL COMPLY WITH ICBO GUIDELINES FOR THE ANCHOR.

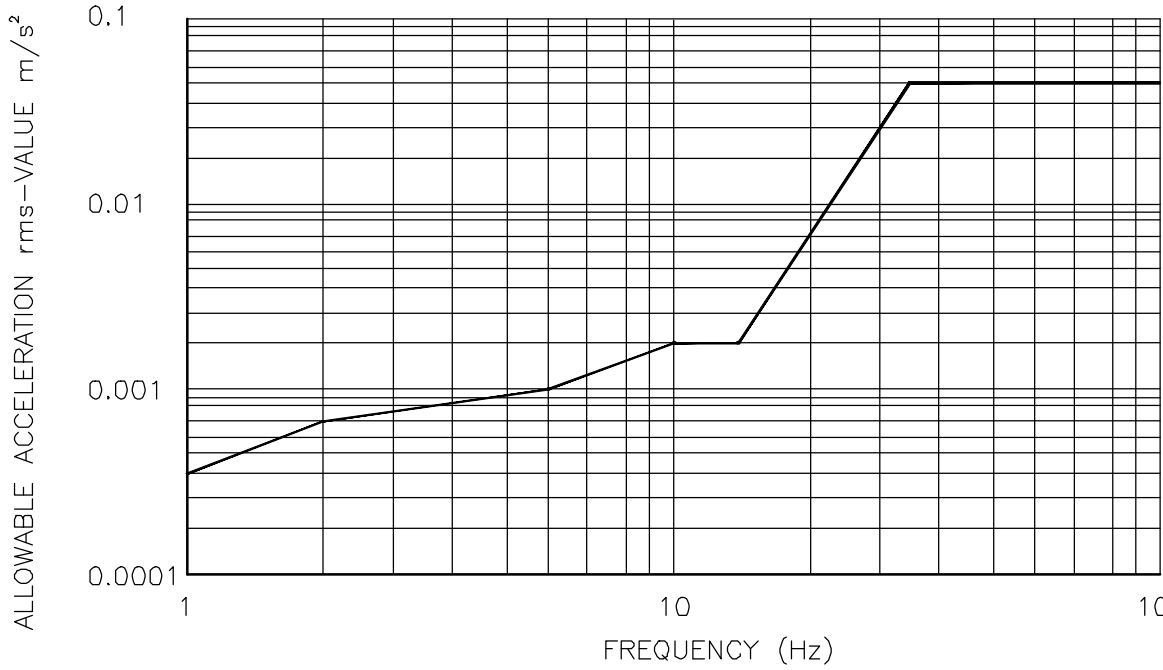
4" DRILL DEPTH TYPICAL FOR ADHESIVE ANCHORING.

BIOGRAPH mCT FLOW OR BIOGRAPH mCT SHALL BE FASTENED TO THE FLOOR AND/OR MACHINE BASE PAD WITH GRADE 5, 1/2-13 UNC-2A THREADED FASTENERS AS SUPPLIED BY SIEMENS.

MINIMUM EXTRACTION FORCE ACCORDING TO THE IEC 60601-1 SAFETY FACTOR OF 4 HAS TO BE OBSERVED.

FLOOR AND BUILDING VIBRATIONS

CONTINUOUS VIBRATIONS



THRESHOLD VALUES OF ALLOWABLE ACCELERATION (rms VALUE OF 1 Hz RESOLUTION FFT)

FREQUENCY (Hz)	ACCELERATION rms (mm/s²)
1	0.50
2	0.67
3	0.80
4	0.91
5	1.00
6	1.20
7	1.40
8	1.60
9	1.80
10	2.00
11	2.00
12	2.00
13	2.00
14	2.00
15	2.00
16	3.00

FREQUENCY (Hz)	ACCELERATION rms (mm/s²)
17	4.40
18	6.31
19	8.87
20	12.25
21	16.67
22	22.34
23	29.37
24	38.66
≥25	50.00

TRANSIENT VIBRATIONS (SHOCKS)

ANY TRANSIENT VIBRATION HAS TO BE LESS THAN 0.2 m/s^2 PEAK-TO-PEAK IN THE TIME DOMAIN. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz.

BIOGRAPH STRUCTURAL BORNE NOISE

THE INHERENT VIBRATION SIGNATURE IMPINGED ON THE BUILDING STRUCTURE BY THE SYSTEM DUE TO CT DRUM ROTATION, ETC...IS DEFINED IN 12660-MER-01S-01-P41-101. THE CT IS PRIMARY DRIVER OF STRUCTURE BORNE NOISE AND IS NOT DAMPED BY THE PET IN ANY WAY AS THE GANTRIES ARE MECHANICALLY DECOUPLED. THE PET AND PHS ARE NOT A SIGNIFICANT SOURCE OF VIBRATION.

BIOGRAPH mCT FLOW/BIOGRAPH mCT
REV. 3

		PROJECT MANAGER: EMMANUEL GARCIA TEL: (305) 546-6062 EXT: FAX: EMAIL: emmanuel.garcia.ext@siemens.com		med-lab · SIEMENS	
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		SCALE: AS NOTED		REF. # 50158795	
		DATE: 03/09/15		DRAWN BY: M. SERGOT	
		DATE: 03/09/15		SHEET: S-501	




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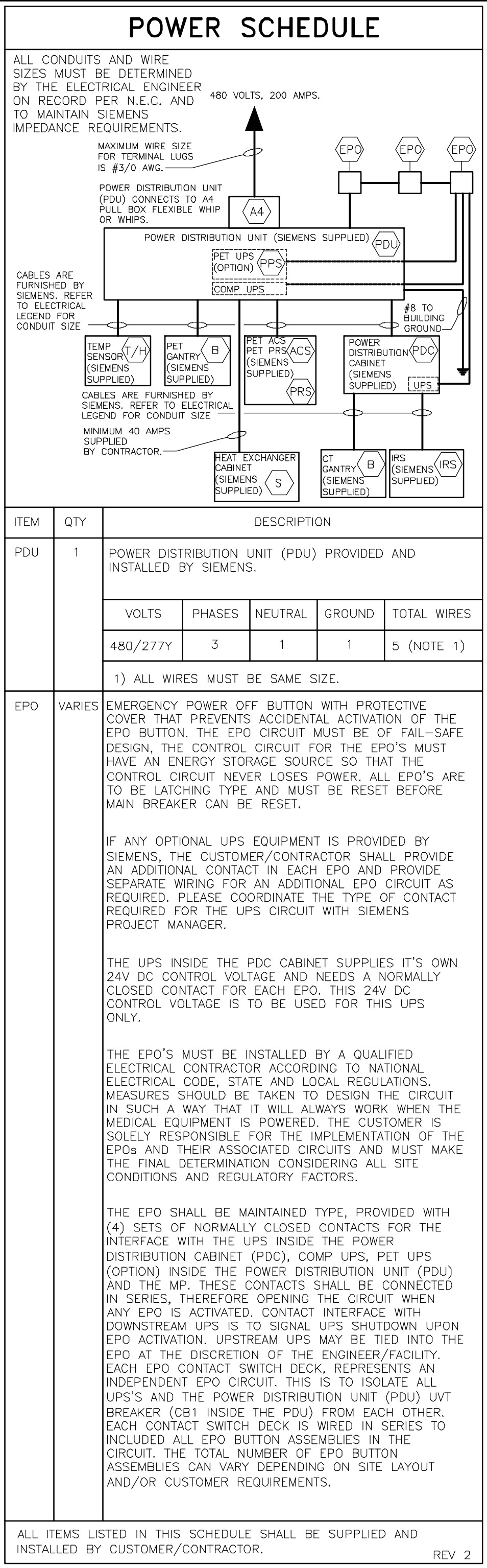
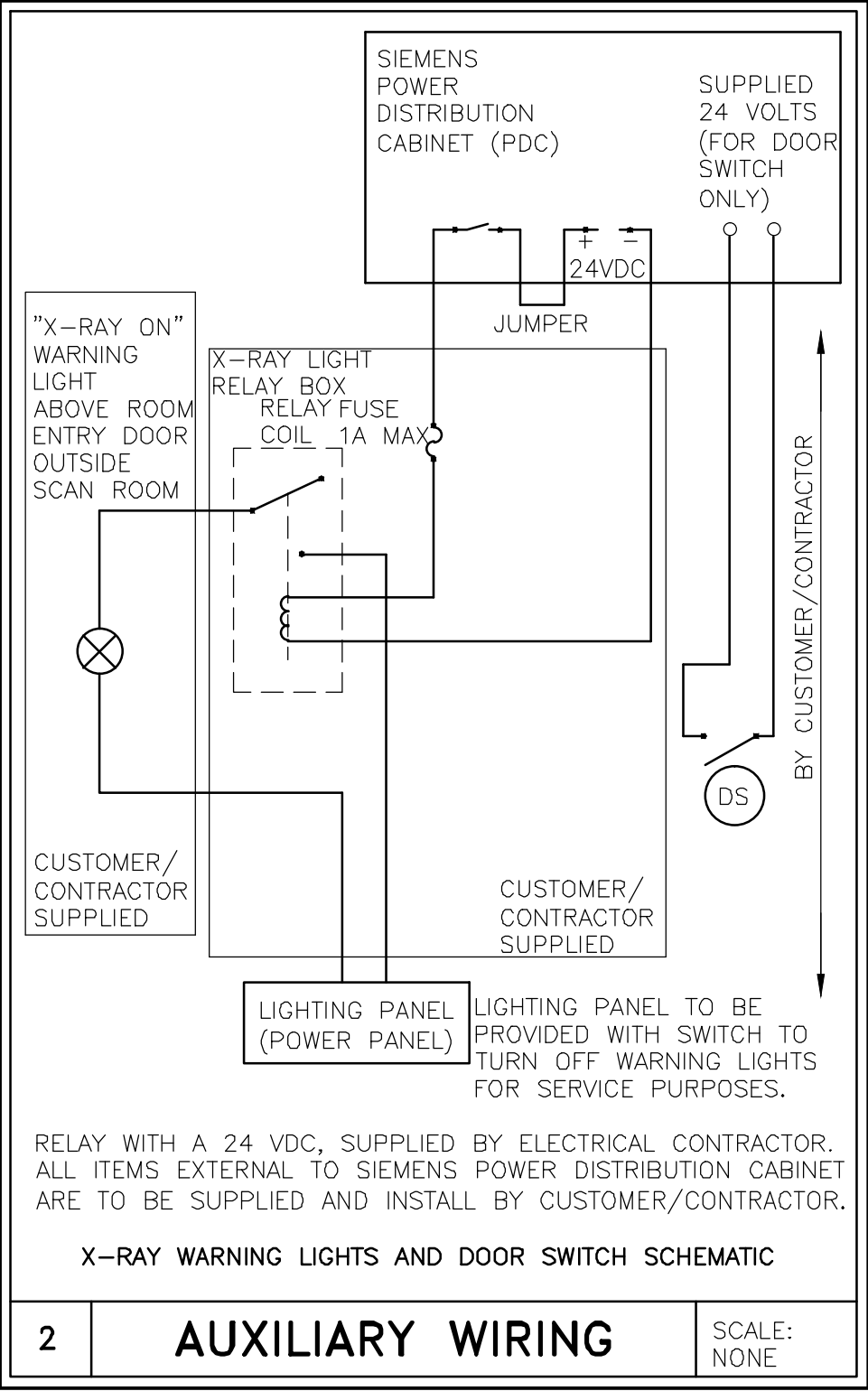
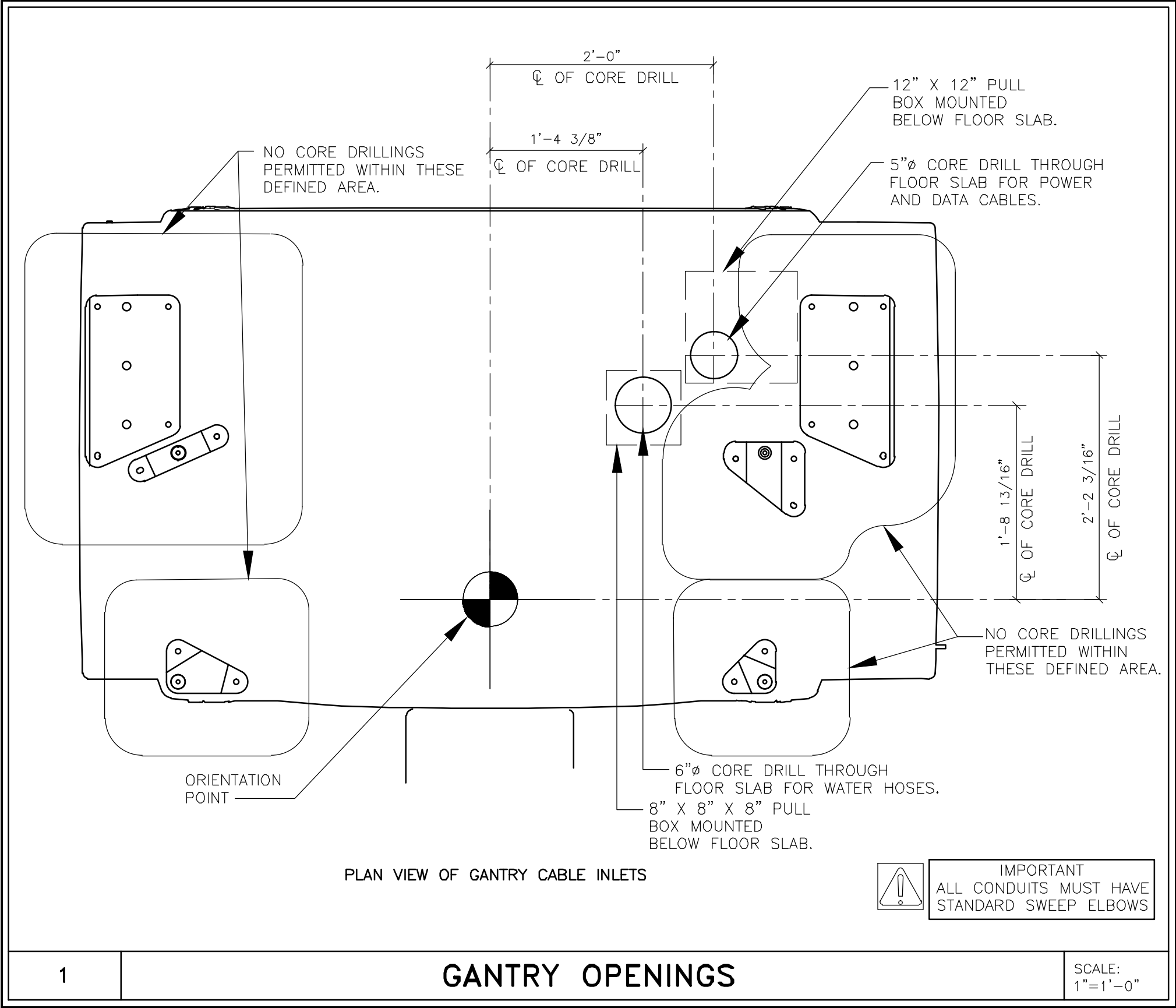
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				SHEET 7 OF 10 DRAWN BY: M. SERGOT		SHEET: E-102	
03/09/15		THIS SET APPROVED UNDER R-100882 WITH 10/5/04 (WITH CHANGES), BASED ON SALES ORDER					
SYM DATE DESCRIPTION		SCALE: AS NOTED REF. #: 30158795		DATE: 03/09/15			
—ISSUE BLOCK—							



POWER REQUIREMENTS				
SYSTEM	LINE VOLTAGE (VOLTS)	POWER CONSUMPTION (kVA)	INCOMING LINE IMPEDANCE (mΩ)	MAIN CIRCUIT BREAKERS (AMPS)
BIOGRAPH mCT FLOW AND BIOGRAPH mCT.S/X 100kW	3 \varnothing 380-480±10%	SEE BELOW	≤ 125	200
POWER CONSUMPTION WITH WATER/AIR SPLIT CONNECTED THROUGH THE POWER DISTRIBUTION UNIT (PDU) (SIEMENS COOLING SYSTEM WATER/AIR)				
OPERATION - 150 kVA MOMENTARY SYSTEM ON (STAND-BY) - 29 kVA (6 FOR PET, 4 FOR CT, 19 FOR HEAT EXCHANGER)				
SYSTEM ON (COMP ON) - 27.5 kVA (6 FOR PET, 2.5 FOR CT, 19 FOR HEAT EXCHANGER)				
SYSTEM OFF - 25 kVA (4.3 FOR PET, 1.7 FOR CT, 19 FOR HEAT EXCHANGER)				
IF AN ON-SITE PRE-TRANSFORMER IS REQUIRED, IT MUST BE A MIN. 150 kVA.				
ALL STANDARD COMPONENTS AND ADD-ONS ARE SUPPLIED VIA SIEMENS POWER DISTRIBUTION UNIT AND POWER DISTRIBUTION CABINET.				
DO NOT CONNECT NON-SIEMENS COMPONENTS SUCH AS LASER CAMERAS OR FILM PROCESSORS TO THE SIEMENS POWER DISTRIBUTION UNIT AND POWER DISTRIBUTION CABINET.				
THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.				
TO ENSURE SATISFACTORY SYSTEM OPERATION THE SIEMENS POWER DISTRIBUTION UNIT AND POWER CABINET MUST HAVE A DEDICATED PROTECTIVE GROUND CONDUCTOR.				

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 <500mA DURING OPERATION OF THE IMAGING EQUIPMENT.	

SIEMENS SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
PDU	A1,10	T/H	COMMUNICATION CABLE.	MAXIMUM LENGTH 98'-0".
PDC	11,HD2	ICS/PIT	POWER AND DATA CABLE.	MAXIMUM LENGTH 82'-0".
PDC	HD1	IRS	DATA CABLE.	MAXIMUM LENGTH 82'-0".
PD	HD1	PU	POWER CABLE.	MAXIMUM LENGTH 22'-0".
PD	HD1	ACS	DATA CABLE.	MAXIMUM LENGTH 22'-0".
PD	HD1	PRS	DATA CABLE.	MAXIMUM LENGTH 22'-0".
PD	HD1	HPC/ACS	DATA CABLE.	MAXIMUM LENGTH 22'-0".
PDC	12	B	POWER CABLE AND DATA CABLE.	MAXIMUM LENGTH 82'-0".
B	13	ICS/PIT	DATA CABLE.	MAXIMUM LENGTH 82'-0".
B	14,PDC,BASE, PD,HD1	IRS	DATA CABLE.	MAXIMUM LENGTH 82'-0".
B	15,PDC,BASE, PD,HD1	ACS	DATA CABLE.	MAXIMUM LENGTH 98'-0".
PDU	16	B	POWER CABLE.	MAXIMUM LENGTH 98'-0".
PU	HD1	PD	POWER CABLE.	MAXIMUM LENGTH 22'-0".
PU	HD1	APD	POWER CABLE.	MAXIMUM LENGTH 22'-0".
APD	LOOSE	ACS	POWER CABLE.	MAXIMUM LENGTH 3'-0".
APD	LOOSE	PRS	DATA CABLE.	MAXIMUM LENGTH 3'-0".
S	17	FA	WATER HOSE.	MAXIMUM LENGTH 16'-0".
FA1	18	B1	WATER HOSE.	MAXIMUM LENGTH 65'-0".
B1	19	S	WATER HOSE.	MAXIMUM LENGTH 65'-0".
B2	20	ON-SITE CONDENSATION LINE	CONDENSATION HOSE.	MAXIMUM LENGTH 32'-9".
IN2	21	IN3	INJECTOR CABLE.	STANDARD LENGTH 75'-0".
S	A2,22,DC ,22	S1	POWER CABLE AND CONTROL CABLE.	MAXIMUM LENGTH 131'-0".
S	BASE,PDC,23	B	DATA CABLE.	MAXIMUM LENGTH 98'-0".
S	24	S2	WATER HOSES.	MAXIMUM LENGTH 119'-0".

CONTRACTOR SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
POWER SOURCE	1,A4	PDU	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND ALL TO BE THE SAME SIZE. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDU	2	GROUND ELECTRODE	1-#8 TO BUILDING GROUND. DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDU	A1,3	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	4	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDU/COMP UPS	A1,5	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PPS/PDU	A1,6	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	7,A	PDC/UPS	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
PDC	A,8	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501
A1	9	A2	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	W/A SPLIT COOLING SYSTEM SEE POWER SCHEDULE

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SCALE: AS NOTED		REF. # 50158795	

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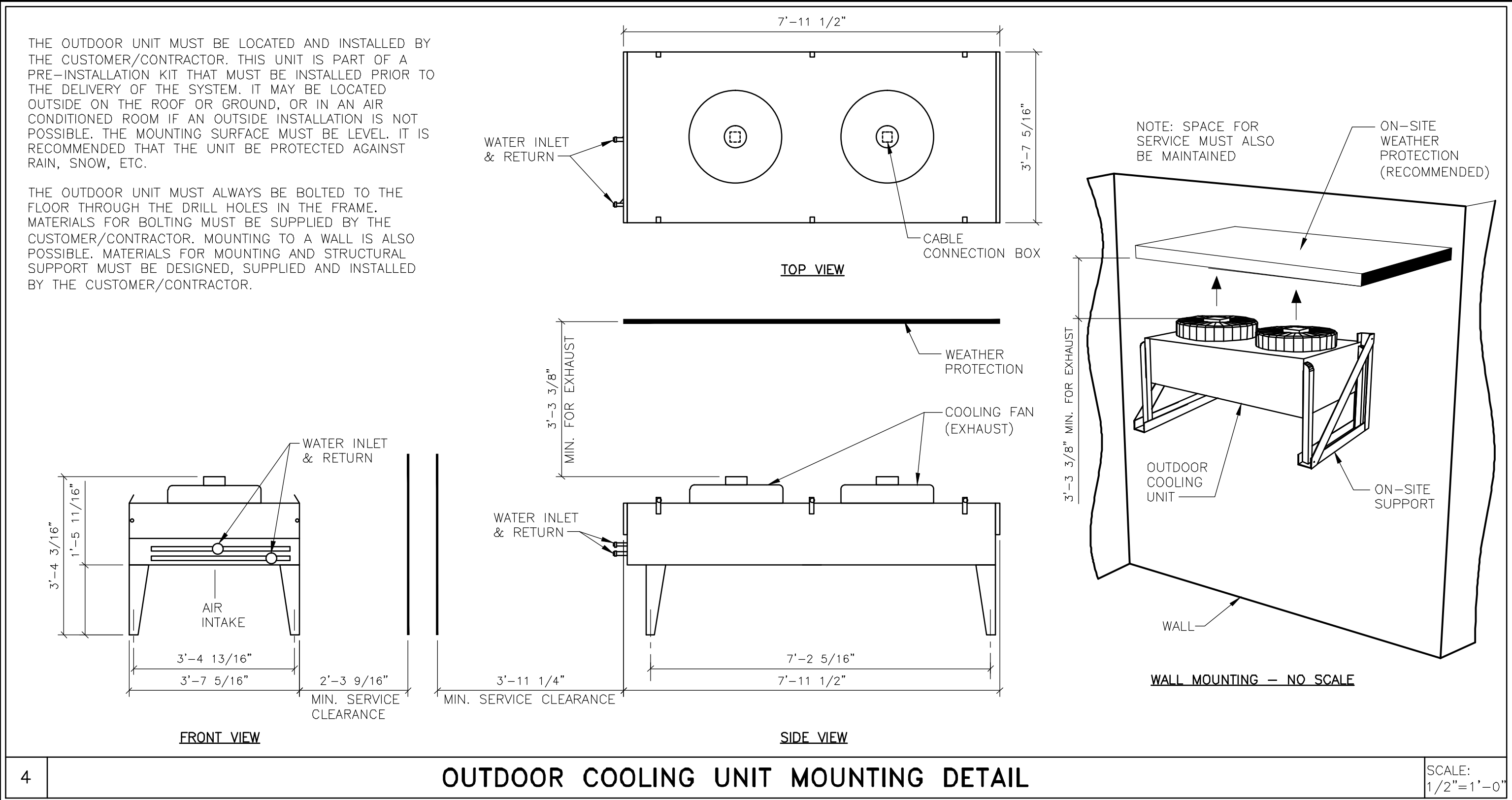
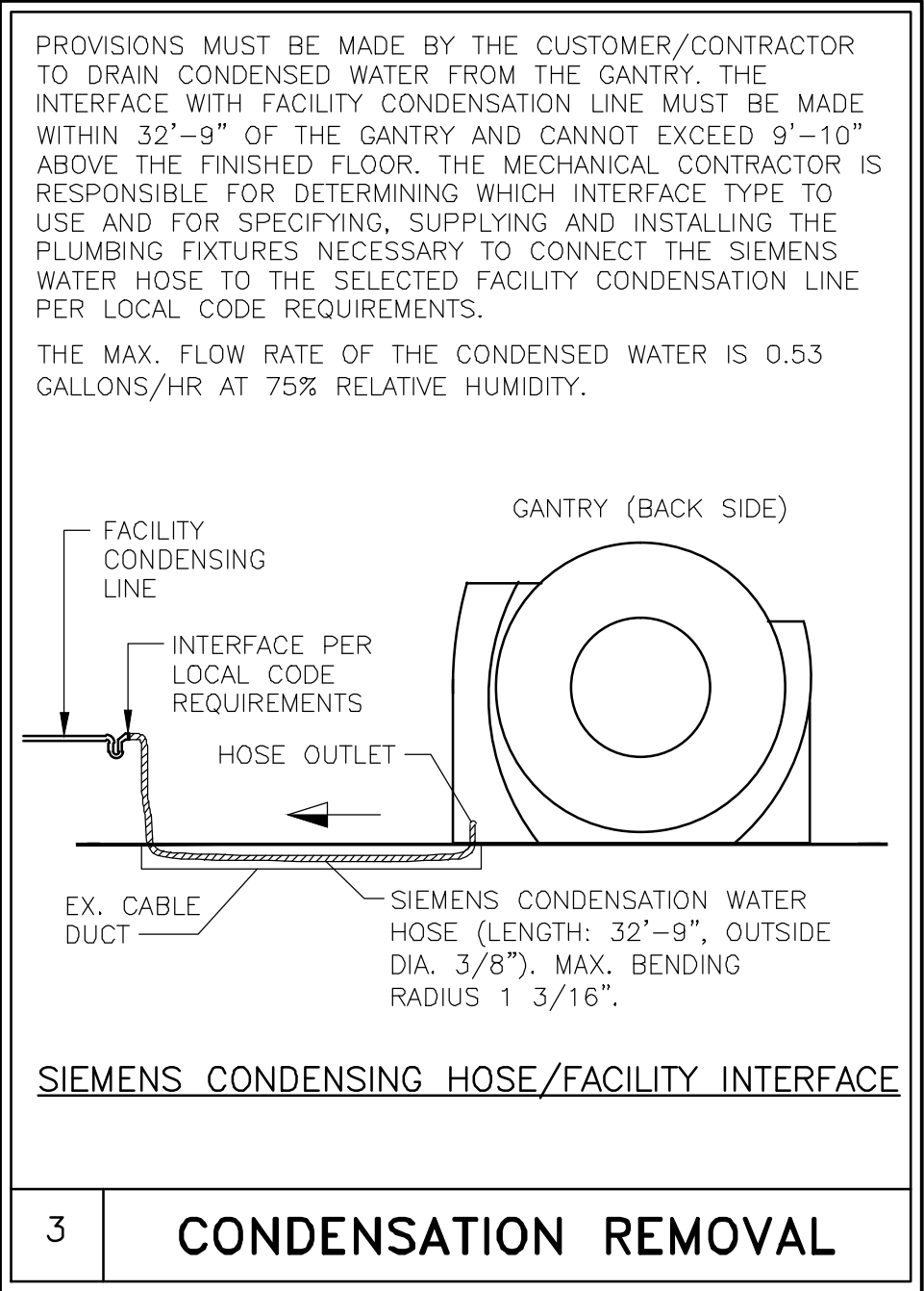
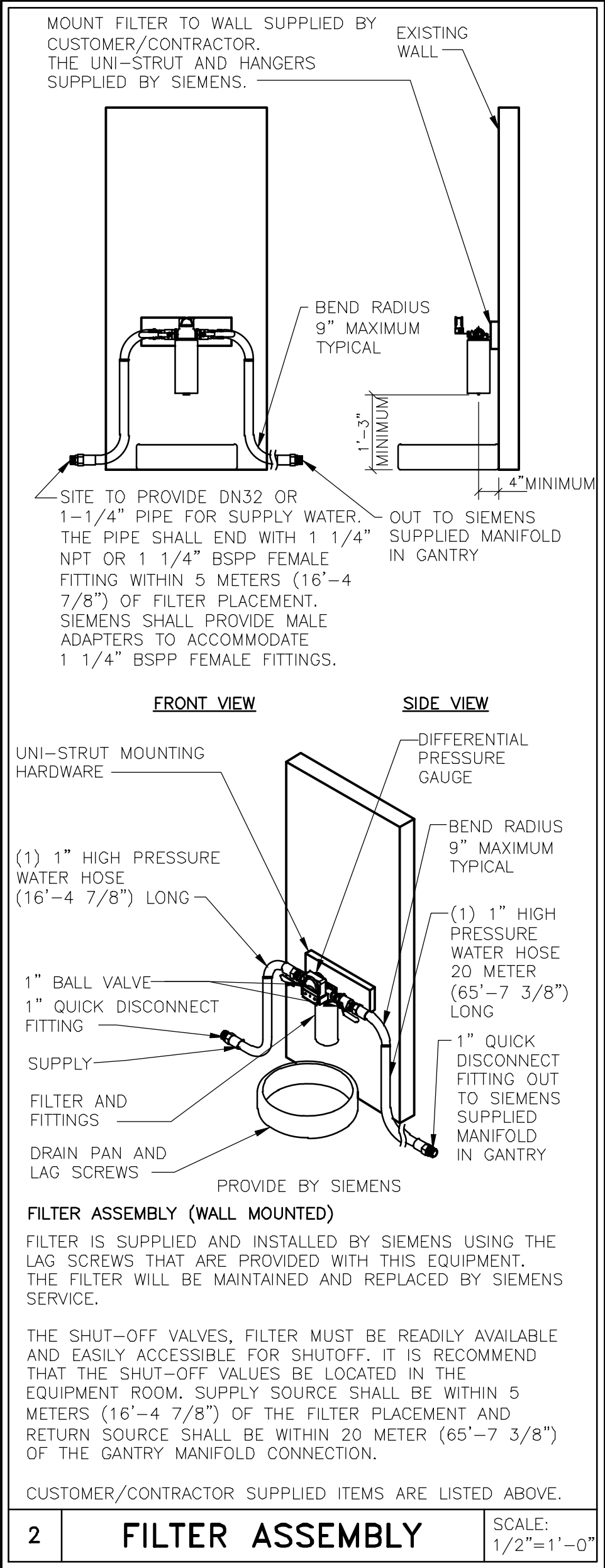
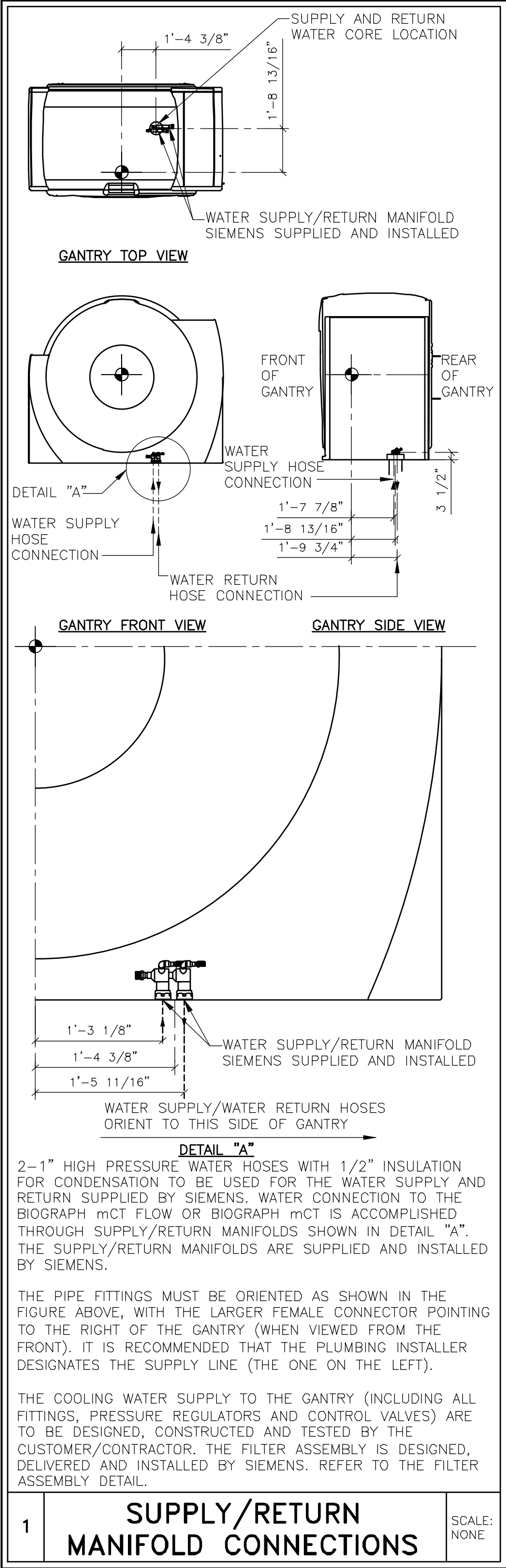
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