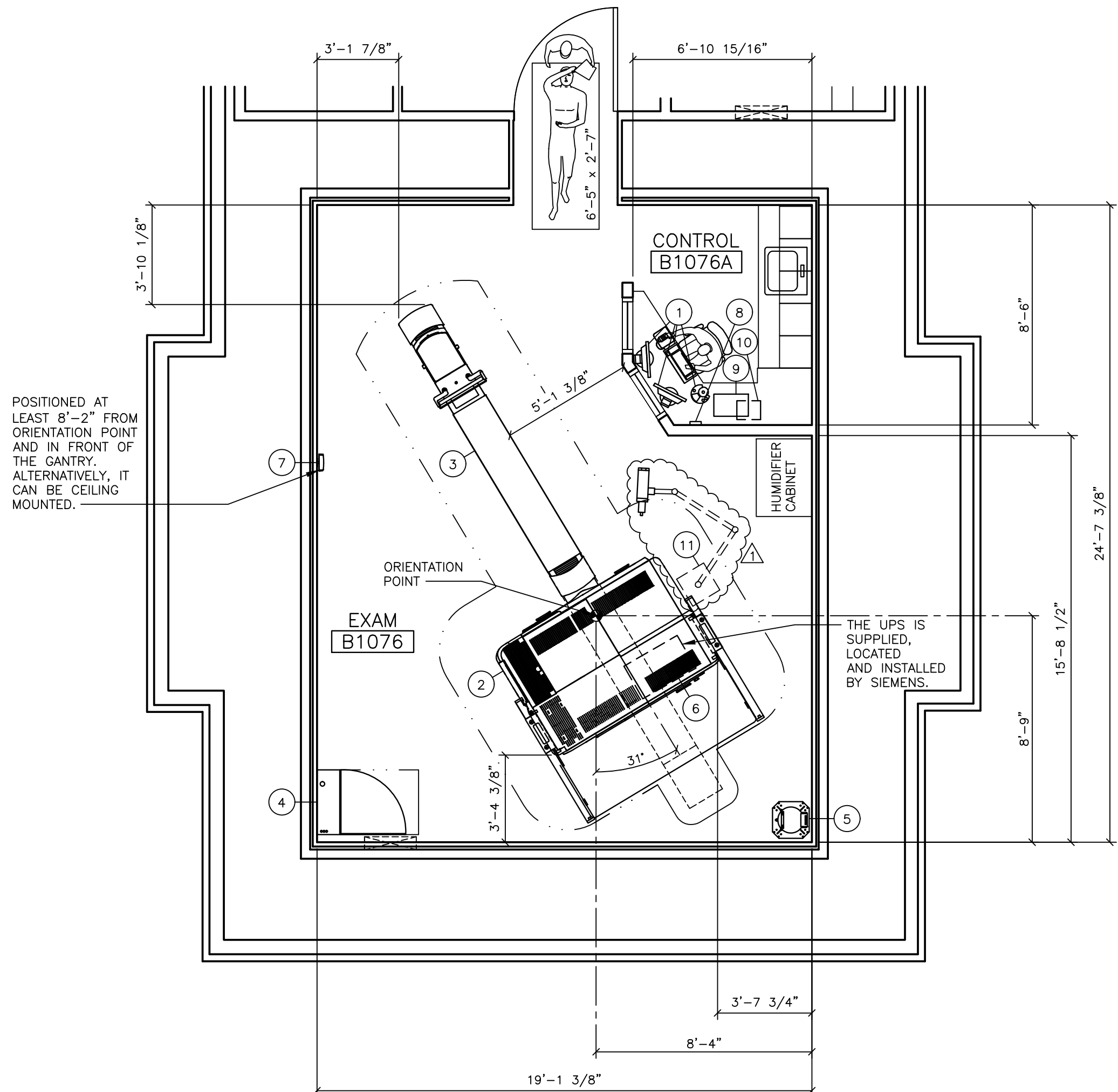




THIS SET OF FINAL DRAWINGS IS REFLECTIVE OF THE LATEST SALES CONFIGURATION. ANY CHANGES TO THIS SALES CONFIGURATION MAY REQUIRE A REVISION TO THIS PROJECT PLAN. IF REQUESTED, SIEMENS WILL PRODUCE A REVISED SET OF FINAL DRAWINGS TO REFLECT THE CHANGES. HOWEVER SIEMENS IS NOT RESPONSIBLE FOR ANY CONSTRUCTION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

STRETCHER SIZE (6'-5" X 2'-7") SHOWN IS FOR REFERENCE ONLY. VERIFICATION AND COORDINATION BY CUSTOMER IS REQUIRED TO ENSURE PROPER TRANSPORT AND WORKFLOW ACCESS.

IT IS IMPERATIVE A STRUCTURAL ENGINEER REVIEW SHEET S-101 WITH EXISTING FLOOR STRUCTURE.

SIEMENS HIGHLY RECOMMENDS THE CUSTOMER'S ARCHITECT DESIGNATES SPACE FOR A HOT LAB, PATIENT WAITING AREA, AND UPTAKE ROOM.

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

THE UPS IS SUPPLIED, LOCATED AND INSTALLED BY SIEMENS.

ARCHITECTURAL EQUIPMENT PLAN

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

NOISE LEVEL	
SYSTEM COMPONENT	DECIBEL LEVEL (AT 3'-3" DISTANCE)
PET/CT GANTRY	<63*
PATIENT HANDLING SYSTEM (PHS)	<84
* THE SYSTEM CONTINUES NOISE SHALL NOT EXCEED 63 dBA, MEASURED AT 1m (PERPENDICULAR) FROM EACH GANTRY CONTROL PANEL, AND ALL ALONG THE AXIS OF TRAVEL OF THE PATIENT. PEAK NOISE SHALL NOT EXCEED 72dBA.	
PEAK NOISE MEANS: NOISE LEVEL WITH COOLING AT HIGH LEVEL (65% CT FAN SPEED AND PET FAN SPEED AT MAXIMUM EXPECTED FOR 30C SCAN ROOM), FASTEST CT ROTATION TIME 0.33s, NOT TABLE MOVEMENT.	
CONTINUOUS NOISE MEANS: NOISE LEVEL WITH COOLING AT MEDIUM LEVEL (40% CT FAN SPEED AND PET SPEED AT MAXIMUM EXPECTED FOR 30C SCAN ROOM), MEDIUM ROTATION TIME 0.5s, NO TABLE MOVEMENT.	

RADIOACTIVE SOURCES	
THE FOLLOWING RADIOACTIVE SOURCES ARE REQUIRED AT THE TIME OF DELIVERY FOR CALIBRATION:	
Ge-68 (GERMANIUM-68) LINE SOURCES QUANTITY OF TWO LINE SOURCES	
Ge-68 (GERMANIUM-68) CYLINDRICAL PHANTOMS	
IT IS CUSTOMER'S RESPONSIBILITY TO OBTAIN THESE SOURCES.	
SOURCE PROVIDERS WILL NOT SHIP SOURCES TO SITE WITHOUT A VALID RAM LICENSE.	

RADIATION AND STORAGE CONSIDERATIONS	
THE CT PRODUCES RADIATION WHILE PERFORMING CT SCANS. RADIATION CONCERNS FOR PET LIE IN THE USE OF RADIOACTIVE ISOTOPES FOR CLINICAL SCANNING OR SERVICE SCANS. THE RADIOACTIVE SOURCES REQUIRED FOR INSTALLING THE SERVICING THE PER 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 MUST BE DESIGNATED FOR SOURCES UNTIL INSTALLATION TO LIMIT EXPOSURE.	
IT IS IMPORTANT FOR THE RADIOACTIVE SOURCE LEAD STORAGE CONTAINER THE UNIFORM SOURCE SHIELD IS PLANNED ACCORDINGLY PER THE PLANS FOR THE BIOGRAPH TRINION.	
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	

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 64°F-86°F (1°F PER HR.) WITH A RELATIVE HUMIDITY OF 20%-75%, NON-CONDENSING. AIR PRESSURE SHOULD RANGE FROM 800-1060 MBAR.	
CONTROL ROOM: ALL THE EQUIPMENT IS DESIGNED TO OPERATE IN A NORMAL OFFICE ENVIRONMENT OF 64°F-86°F (1°F PER HR.) WITH A RELATIVE HUMIDITY OF 20%-75%, NON-CONDENSING. AIR PRESSURE SHOULD RANGE FROM 800-1060 MBAR.	
EQUIPMENT ROOM: THE SCANNER ROOM SHOULD MAINTAIN BETWEEN 64°F-86°F (1°F PER HR.) WITH A RELATIVE HUMIDITY OF 20%-75%, NON-CONDENSING. AIR PRESSURE SHOULD RANGE FROM 800-1060 MBAR.	
SUPPLYING AIR FROM THE OUTSIDE (FRESH AIR), IT'S RECOMMENDED THE ON-SITE USE OF COARSE FILTERS:	
EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS EU3 TO EU4 TO FILTER DUST PARTICLES >10μm.	
IF IT IS NOT POSSIBLE TO MAINTAIN THE TEMPERATURE RANGE REQUIRED TO MEET THE NEEDS OF THE CHANGING SEASONS, ON-SITE ROOM HEATING AND AIR-CONDITIONING IS REQUIRED.	
THE ROOM VENTILATION HAS TO ENSURE THAT NOXIOUS MATTERS DO NOT ENTER THE ROOM. POLLUTION THROUGH HYDROSULFIDES REGARDLESS HOW SMALL THE AMOUNT IN AIR HAS TO BE PREVENTED. THE MOST COMMON SOURCES FOR HYDROSULFIDES 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.	
IN THE EVENT OF THIS TYPE OF CONTAMINATION HAZARD, 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	23" FLAT SCREEN CONTROL MONITOR, KEYBOARD AND CONTROL DEVICE	Ⓜ	20	256	22 1/2	9 1/4	19 3/8	ON CUSTOMER'S COUNTER
②	BIOGRAPH TRINION EP CT 128 (3 RING)	Ⓟ	5,370	31,726	89 1/2	61 5/16	76 3/8	BTU/HR INCLUDES PATIENT TABLE
③	PATIENT TABLE	Ⓢ	1,501	—	16	149	46	
④	SITE INTERFACE BOX	Ⓢ	201	—	30	11 1/16	36	MOUNTED ON THE WALL
⑤	UNIFORM SOURCE SHIELD (LEAD PIG)	Ⓢ	304.2	—	17	17	13 7/8	RADIOACTIVE SOURCE STORAGE
⑥	PET GANTRY UPS INSIDE GANTRY	Ⓢ	—	—	—	—	—	LOCATED INSIDE GANTRY
⑦	WIRELESS ACCESS POINT DEVICE	Ⓢ	2.5	—	—	—	—	HEIGHT OFF FINISHED FLOOR: ≥ 6'-6 3/4"
⑧	POWER OVER ETHERNET POWER SUPPLY (STANDARD WITH WAPD)	Ⓢ	—	—	—	—	0	ON CUSTOMER'S COUNTER
⑨	MEDRAD CERTEGRA WORKSTATION	Ⓢ	18	—	16	10 1/4	13 1/2	HEIGHT WITH SCREEN UP
⑩	MEDRAD BASE UNIT	Ⓢ	14	—	11	8 3/4	11 1/2	UNDER COUNTER ON SHELF
⑪	CEILING MOUNTED MEDRAD INJECTOR	Ⓢ	106	—	—	—	—	SEE MFG SPECIFICATIONS

CASEWORK & ACCESSORY NOTES	
1) 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.	
2) 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, EXAMINATION ROOM AREA AND EQUIPMENT AREA.	
DOOR (SAFETY) SWITCH REQUIRED ON ALL DOORS ACCESSING THE EXAMINATION ROOM IN ACCORDANCE WITH LOCAL CODES.	

PROJECT MILESTONES TO BE COMPLETED BEFORE EQUIPMENT DELIVERY			
CHECK STATUS	COMPLETION DATE	MILESTONES	REFERENCE SHEET
		SYSTEM STANDARDS	
		ARCHITECTURAL	
☐		RADIOACTIVE MATERIALS LICENSE (RAM) LICENSE OBTAINED AND REVIEWED 4 WEEKS BEFORE DELIVERY.	A-101/A-102
☐		RADIOACTIVE SOURCES OF REQUIRED MATERIAL AND ACTIVITY AVAILABLE AT TIME OF INSTALL.	A-101/A-102
☐		Ge-68 (GERMANIUM-68) LINE SOURCES.	A-101/A-102
☐		Ge-68 (GERMANIUM-68) CYLINDRICAL PHANTOMS.	A-101/A-102
☐		STORAGE AREA COMPLETE FOR STORING RADIOACTIVE MATERIALS.	A-101/A-102
☐		LEAD SHIELDING (WALLS, DOORS, WINDOWS) COMPLETE.	A-101/A-102
☐		CLIMATE CONTROL FUNCTIONING 24 HOURS A DAY, 7 DAYS A WEEK.	A-101/A-102
☐		ALL ROOM CONTAINING SIEMENS EQUIPMENT ARE CLEAN AND DUST FREE.	A-101
☐		CASEWORK COMPLETE IN EXAM AND CONTROL ROOMS.	A-101
☐		CEILING HEIGHT VERIFIED (CHECK MINIMUM HEIGHT).	A-101/S-101
☐		ALL ROOMS CONTAINING SIEMENS EQUIPMENT AREA CLEAN AND DUST FREE.	A-101
☐		DELIVERY PATH VERIFIED. DELIVERY PATH MUST BE APPROVED BY CUSTOMER/SEOR AND DOCUMENTED.	A-102/A-501
		STRUCTURAL	
☐		FLOOR LEVELNESS VERIFIED AND WITHIN SPECIFICATIONS.	S-101/S-501
☐		FLOOR THICKNESS VERIFIED AND WITHIN SPECIFICATIONS.	S-101/S-501
☐		SIB CABINET PRE-INSTALLED PRIOR TO THE SYSTEM DELIVERY (OPTION).	S-101
		ELECTRICAL	
☐		CABLE RUNS CHECKED TO ENSURE MAXIMUM LENGTH NOT EXCEEDED.	E-101/E-102
☐		CABLE INLETS INSTALLED IN LOCATIONS PER PLANS.	E-101/E-102
☐		CABLE OUTLETS DUCTS AND FLOOR OPENINGS PER PLANS.	E-101/E-102
☐		CONTRACTOR SUPPLIED ELECTRICAL CABLING AND PIGTAILS INSTALLED.	E-101/E-102
☐		CONTRACTOR SUPPLIED ELECTRICAL OUTLETS AND RECEPTABLES.	E-101/E-102
☐		POWER REQUIREMENTS REVIEWED AND VERIFIED.	E-101/E-102
☐		ALL CONDUITS, TROUGHS, AND CORE DRILLS ARE OUTSIDE OF THE NO CORE DRILL ZONE AREAS.	S-101/S-501
☐		NETWORK ADDRESS OBTAINED FOR SIEMENS REMOTE SERVICES (SRS).	E-101/E-102
☐		NETWORK DATA DROPS INSTALLED (LANDED AND ACTIVE).	E-101/E-102
☐		I.P. AND PACS INFORMATION AVAILABLE AND PROVIDED TO SIEMENS REMOTE SERVICE TEAM (SRS).	E-101/E-102
☐		B2B VPAN TUNNEL ESTABLISHED BY SRS TEAM.	E-101/E-102
☐		NETWORK COORDINATION BETWEEN SITE AND IT SERVICE CONSULTANT COMPLETE.	E-101/E-102
☐		SIB CABINET AND EPO'S PRE-INSTALLED AND FUNCTIONAL PRIOR TO THE SYSTEM DELIVERY (OPTION).	E-101/E-102/E-501
☐		CONTRACTOR SUPPLIED X-RAY WARNING LIGHT AND WIRING INSTALLED.	E-101/E-102
		MECHANICAL	
☐		DIFFUSER LOCATIONS AND VERTILATION REQUIREMENTS CONFIRMED.	M-101/M-102
☐		AC THERMOSTAT PLACED PER THE PLANS.	M-101/M-102/E-101/E-102
		ACCESSORIES OPTIONS	
☐		OVERHEAD INJECTOR SUPPORT STRUCTURE AND PLATE INSTALLED (OPTION).	S-102/E-101/E-102

FINISHED ROOM HEIGHT	
FOR GANTRY ONLY	MINIMUM 7'-5"
CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, THE X-RAY WARNING CANNOT BE INSTALLED ABOVE THE GANTRY. A X-RAY WARNING LIGHT IN THIS LOCATION WOULD INTERFERE WITH THE TOP COVER.	

PROJECT MANAGER: SPENCER ROBLES TEL: (310) 795-6021 EXT: VMAIL: FAX: EMAIL: SPENCER.ROBLES@SIEMENS-HEALTHINEERS.COM		SIEMENS	
COMMUNITY HOSPITAL WAREHOUSE 710 ARROWEST ROAD, GRAND JUNCTION, CO 81505 EXAM B1076 -- BIOGRAPH TRINION EP		PROJECT #: 2515136	
THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.		SHEET: A-101	
ALL RIGHTS ARE RESERVED.		SHEET 1 OF 11 DRAWN BY: M. COPLEY	
SCALE: AS NOTED		DATE: 01/27/26	
REF. #: 30300796		DATE: 01/27/26	

ATTENTION:

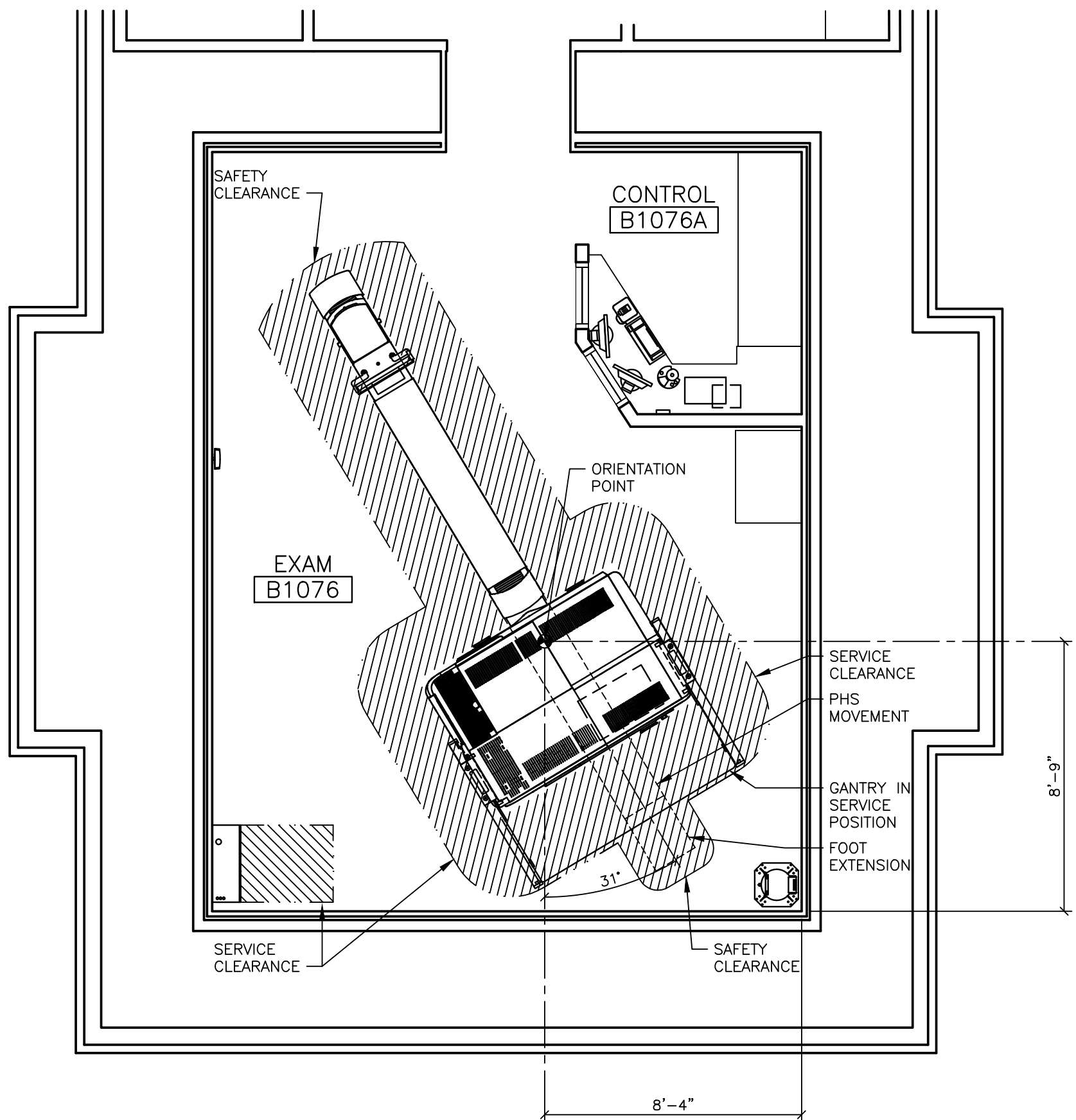
— THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

— 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.



SAFETY/SERVICE CLEARANCE PLAN

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

GANTRY COMPONENTS STORAGE

THE GANTRY SEPARATION WHEEL ASSEMBLIES AND TRACKS INCLUDED WITH THE SYSTEM ARE USE TO SEPARATE THE GANTRIES DURING INSTALL AND SERVICE OF THE SYSTEM. THESE ASSEMBLIES WILL NOT FIT UNDER THE GANTRY AND THEREFORE THE CUSTOMER/CONTRACTOR WILL NEED TO PROVIDE A SAFE STORAGE WITHIN THE VICINITY OF THE SYSTEM PREFERABLY IN THE SCANNER ROOM.

THE FOLLOWING ITEMS WILL NEED TO STORED.

DESCRIPTIONS	DIMENSIONS (LxWxH)	QUANTITY	WEIGHT
ASM SEPARATION WHEEL LEFT AND RIGHT	33.9x6.5x9.8	2	34.8 LBS EACH
ASM SEPARATION WHEEL TRACK LEFT AND RIGHT	65.7x3.1x6.5	2	14 LBS EACH

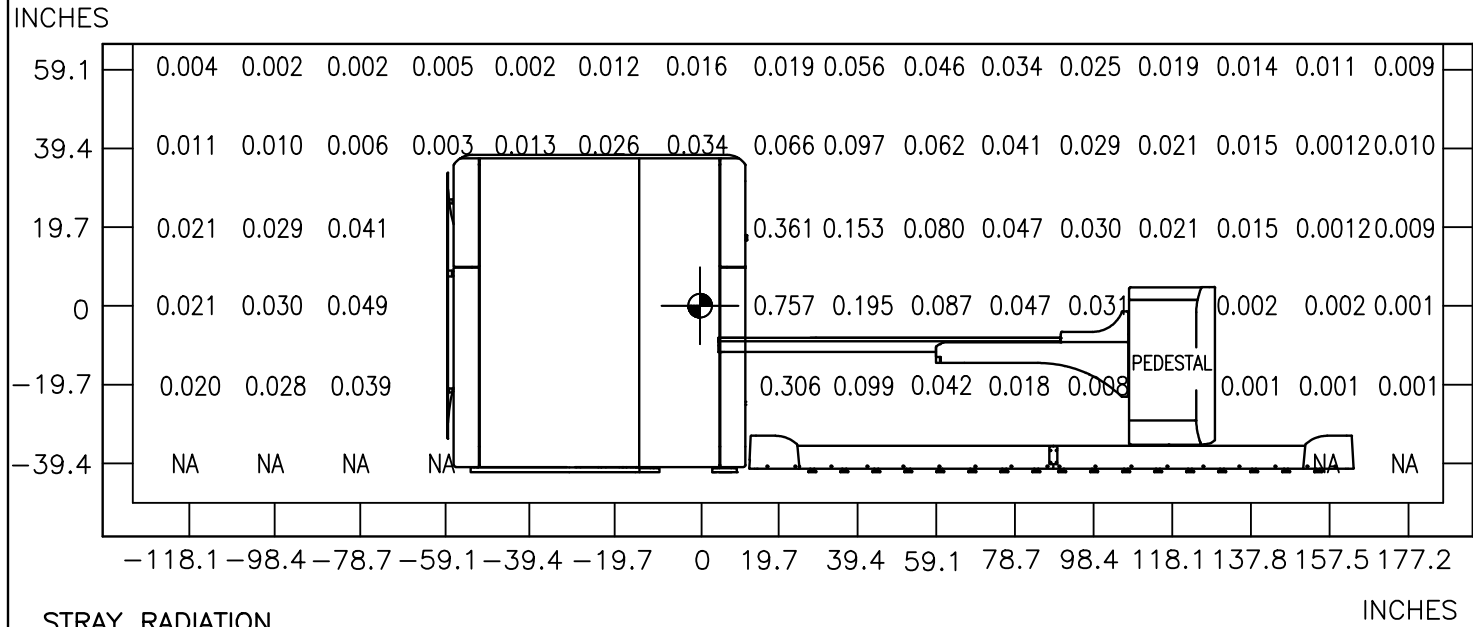
PATIENT POSITIONING ACCESSORIES STORAGE

THE CUSTOMER/CONTRACTOR WILL NEED TO PROVIDE A SAFE STORAGE WITHIN THE IN THE SCANNER ROOM FOR THE PATIENT POSITIONING ACCESSORIES THAT ARE UTILIZED DURING THE SCANNING PROCEDURES.

THE FOLLOWING ITEMS WILL NEED TO STORED.

DESCRIPTIONS	DIMENSIONS	QUANTITY	WEIGHT
MATTRESS	86x17x3.26	1	2.21 LBS
HEAD-ARM SUPPORT	19x18x10	1	4.00 LBS
HEAD HOLDER	10x9x8.5	1	3.00 LBS
HEAD HOLDER TILTABLE	12x9	1	1.55 LBS
CUSHION SET	DIFFERENT DIMENSIONS	7	1.00 LBS
HEADREST	10x10x3.25	1	2.25 LBS
PATIENT RESTRAINT SET	12x8x3.25	1	1.00 LBS
PATIENT HEAD IMMOBILIZATION STRAP SET	8x8x2	1	1.00 LBS
TABLETOP EXTENSION	10x18x3	1	5.00 LBS
KNEE-LEG SUPPORT	16x16x6.5	1	2.75 LBS
ARM SUPPORT COMPLETE	17x12.5x6	2	1.10 LBS
BABY MATTRESS	40x12.5x10	1	8.00 LBS
FOOT EXTENDER	24x72	1	20.00 LBS
FOOT SWITCH	6x6.2x4.6	2	4.00 LBS

RADIATION SCATTER



STRAY RADIATION

STRAY RADIATION IS INDICATED FOR THE HORIZONTAL AND VERTICAL PLANES ON THE BASIS OF THE SCANNER SYSTEM AT THE MAXIMUM TUBE VOLTAGE AND THE MAXIMUM TOTAL COLLIMATION WIDTH.

A CYLINDRICAL PMMA PHANTOM WITH A DIAMETER OF 32 cm AND A LENGTH OF 15 CM IS CENTERED IN THE SCAN PLANE FOR THE STRAY RADIATION MEASUREMENT. A 1000 CM3 SPHERICAL DOSE CHAMBER WITH 140 MM DIAMETER IS USED FOR THE MEASUREMENT.

THE ACCURACY OF THE STATED VALUE IS DETERMINED BY THE ACCURACY OF THE CHAMBER POSITIONING AND BY THE ACCURACY OF THE DOSEMETER. BACKSCATTER FROM THE CABIN WALLS OR SIMILAR SURFACE MAY CAUSE ADDITIONAL VARIATION IN THE RADIATION MEASUREMENTS. DEPENDING ON THE SYSTEM CONFIGURATION, THAT IS, SHAPED FILTER OR GANTRY COVER LOWER VALUES MAY RESULT.

DATA IN THE TABLE IS DERIVED FROM THE MEASURED VALUES. STRAY RADIATION MEASUREMENTS HAVE USED THE MAXIMUM TUBE VOLTAGE, THE MAXIMUM BEAM COLLIMATION AND THE WIDEST SHAPED FILTER.

SCAN PARAMETERS FOR STRAY RADIATION MEASUREMENT:
MAXIMUM TUBE VOLTAGE: 140 kV
MAXIMUM BEAM COLLIMATION: 64 X 0.6 MM
WIDEST SHAPE FILTER: WIDE

RADIATION SAFETY

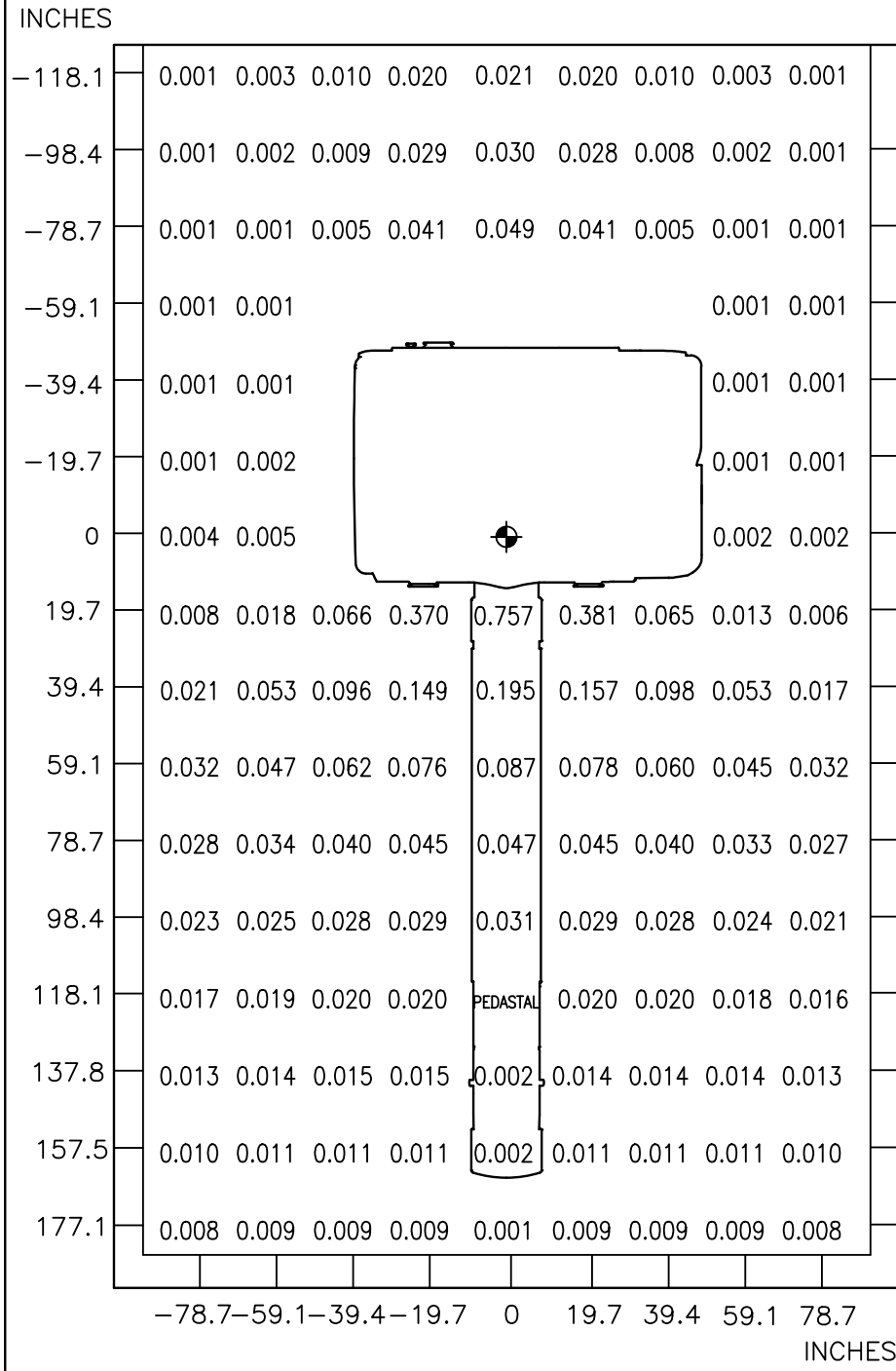
LEAD OR EQUIVALENT SHIELDING MAY BE REQUIRED IN THE WALLS OF THE SCANNER ROOM, HOTLAB AND/OR PATIENT PREPARATION AREAS. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY WITH THE SITE'S RADIATION SAFETY OFFICER THAT RADIATION DOSE RATES FROM THE PET PATIENT AND/OR ISOTOPE WILL NOT EXCEED LOCAL RADIATION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

IMPROPER SHIELDING MAY AFFECT CAMERA'S PERFORMANCE.

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 SCATTER



BIOGRAPH TRINION

HORIZONTAL LOCAL DOSE DISTRIBUTION MEASUREMENT IN uGy/mAs SCALE 1/4"=1'-0"

STRAY RADIATION

STRAY RADIATION IS INDICATED FOR THE HORIZONTAL AND VERTICAL PLANES ON THE BASIS OF THE SCANNER SYSTEM AT THE MAXIMUM TUBE VOLTAGE AND THE MAXIMUM TOTAL COLLIMATION WIDTH.

A CYLINDRICAL PMMA PHANTOM WITH A DIAMETER OF 32 cm AND A LENGTH OF 15 CM IS CENTERED IN THE SCAN PLANE FOR THE STRAY RADIATION MEASUREMENT. A 1000 CM3 SPHERICAL DOSE CHAMBER WITH 140 MM DIAMETER IS USED FOR THE MEASUREMENT.

THE ACCURACY OF THE STATED VALUE IS DETERMINED BY THE ACCURACY OF THE CHAMBER POSITIONING AND BY THE ACCURACY OF THE DOSEMETER. BACKSCATTER FROM THE CABIN WALLS OR SIMILAR SURFACE MAY CAUSE ADDITIONAL VARIATION IN THE RADIATION MEASUREMENTS. DEPENDING ON THE SYSTEM CONFIGURATION, THAT IS, SHAPED FILTER OR GANTRY COVER LOWER VALUES MAY RESULT.

DATA IN THE TABLE IS DERIVED FROM THE MEASURED VALUES. STRAY RADIATION MEASUREMENTS HAVE USED THE MAXIMUM TUBE VOLTAGE, THE MAXIMUM BEAM COLLIMATION AND THE WIDEST SHAPED FILTER.

SCAN PARAMETERS FOR STRAY RADIATION MEASUREMENT:
MAXIMUM TUBE VOLTAGE: 140 kV
MAXIMUM BEAM COLLIMATION: 64 X 0.6 MM
WIDEST SHAPE FILTER: WIDE

MI CARDIO AND MI ROUTINE ONCO STORAGE

THE CUSTOMER/CONTRACTOR WILL NEED TO PROVIDE A SAFE STORAGE WITHIN THE IN THE SCANNER ROOM FOR MI CARDIOM AND MI ROUTINE ACCESSORIES THAT ARE UTILIZED DURING THE SCANNING PROCEDURES.

THE FOLLOWING ITEMS WILL NEED TO STORED.

DESCRIPTIONS	DIMENSIONS	QUANTITY	WEIGHT
PAPER ROLL HOLDER	30x8x4	1	5.00 LBS
INFUSION BOTTLE HOLDER	40x10x4.5	1	3.50 LBS

FINISHED ROOM HEIGHT

FOR GANTRY ONLY MINIMUM 7'-5"

CEILING MOUNT SEE DETAIL ON S-102 SHEET

THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.

IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, THE X-RAY WARNING CANNOT BE INSTALLED ABOVE THE GANTRY. A X-RAY WARNING LIGHT IN THIS LOCATION WOULD INTERFERE WITH THE TOP COVER.

TRANSPORT AND DELIVERY

TRANSPORT				
CT	LENGTH	WIDTH	HEIGHT	RECOMMEND DOOR WIDTH
CT GANTRY ON TRANSPORT DEVICE - STANDARD TRANSPORT TRANSPORT ROLLER SWIVELED OUT	108.19"	64.21"	73.39"	65.75" x 74.41"
CT GANTRY ON TRANSPORT DEVICE - STANDARD TRANSPORT TRANSPORT ROLLER SWIVELED IN	135.79"	40.94"	73.39"	42.52" x 74.41"
PET				
PET GANTRY ON PRIMARY TRANSPORT DEVICE-NORMAL TRANSPORT WHEELS SWIVELED OUT COVERS ON	127"	34"	76"	36" x 78"
PET GANTRY ON PRIMARY TRANSPORT DEVICE-MINIMUM TRANSPORT WITHOUT COVERS	126"	30"	73"	36" x 78"
PET GANTRY ON SECONDARY TRANSPORTERS-NORMAL/MINIMUM SIZE WHEELS SWIVELED OUT COVERS WHEELS SWIVELED IN WITHOUT COVERS WITHOUT MOVERS AND WITHOUT COVERS	103" 101" 86"	37" 37" 37"	76" 74 76"	36" x 78" 36" x 78" 36" x 78"
PHS PEDESTAL SECTION - STANDARD	79"	35"	51"	36" x 78"
PHS SHORT SECTION - STANDARD	74"	35"	17"	36" x 78"

CT AND PET GANTRIES WEIGHT WITH AND WITHOUT TRANSPORT DEVICE

CT GANTRY
CT GANTRY TRANSPORT DEVICE WEIGHT: 3,598 LBS.
CT GANTRY TRANSPORT DEVICE: 417 LBS.
PET GANTRY
PET GANTRY PRIMARY AS SHIPPED WITH MOVER ADAPTERS AND PRIMARY MOVERS WEIGHT: 2,561.3 LBS (EP) - 2,610 LBS. (EP2) - 2,707.9 LBS. (EP5) - 2,805.6 LBS. (EP9)
PET GANTRY SECONDARY AS SHIPPED WITH MOVER ADAPTERS AND SECONDARY MOVERS WEIGHT: 2,461.5 LBS (EP) - 2,510.4 LBS (EP2) - 2,608.1 LBS (EP5) - 2,705.7 LBS (EP9)
PET GANTRY ELEVATOR AS SHIPPED WITH MOVERS ADAPTERS AND MASS (ONLY) OF MOVERS PRIMARY AND SECONDARY WEIGHT: 2,800.8 LBS (EP) - 2,849.7 LBS (EP2) - 2,947.4 LBS (EP5) - 3,045 LBS (EP9)

PET GANTRY TRANSPORT DEVICE: 362 LBS.

SPECIAL NOTE:

FLOOR LOAD DURING TRANSPORT FOR BOTH GANTRIES:

ACCESS FLOORS HAVE TO BE DESIGNED FOR A WEIGHT CAPACITY OF THE SYSTEM. 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 PET GANTRY WITH CRANE:

BASE LIFT:

IT IS POSSIBLE TO LIFT PET GANTRY FROM THE BASE, BUT SUPPORTS SHOULD BE ROUGHLY CENTERED ABOUT THE CG, A MINIMUM 3'-3" APART, SPREAD OUT AS WIDE AND AS CLOSE TO THE JACKSCREWS AS POSSIBLE AND RUN THE ENTIRE DEPTH OF THE FRONT AND BACK OF THE GANTRY. IF STRAPS/SLINGES ARE USED TO LIFT THE GANTRY THEY MUST BE POSITIONED SUCH THAT THEY CANNOT CONTACT ANY CRITICAL PARTS ON THE GANTRY.

OVERHEAD LIFT:

LIFTING POINTS ARE PROVIDED IN THE FRAME FOR OVERHEAD LIFTING. IT IS RECOMMENDED THAT PROPER RIGGING OR SPANNING BAR BE UTILIZED TO LEVEL OUT THE LOAD. ALSO, IT IS RECOMMENDED TO USE A PROPERLY RATED, SWIVEL TYPE HOIST RING. THREADS PROVIDED IN FROM AREA M16x2. OVERHEAD LIFTING ANY OTHER POINTS OF THE FRAME IS PROHIBITED.

FOR ADDITIONAL INFORMATION FOR BASE LIFTING AND OVERHEAD LIFT FOR THE PET GANTRY REFER TO THE SYSTEM PLANNING GUIDE.

THE PET GANTRY SHOULD ONLY BE LIFTED BY A CRANE WITH AND EXPERIENCE OPERATOR.

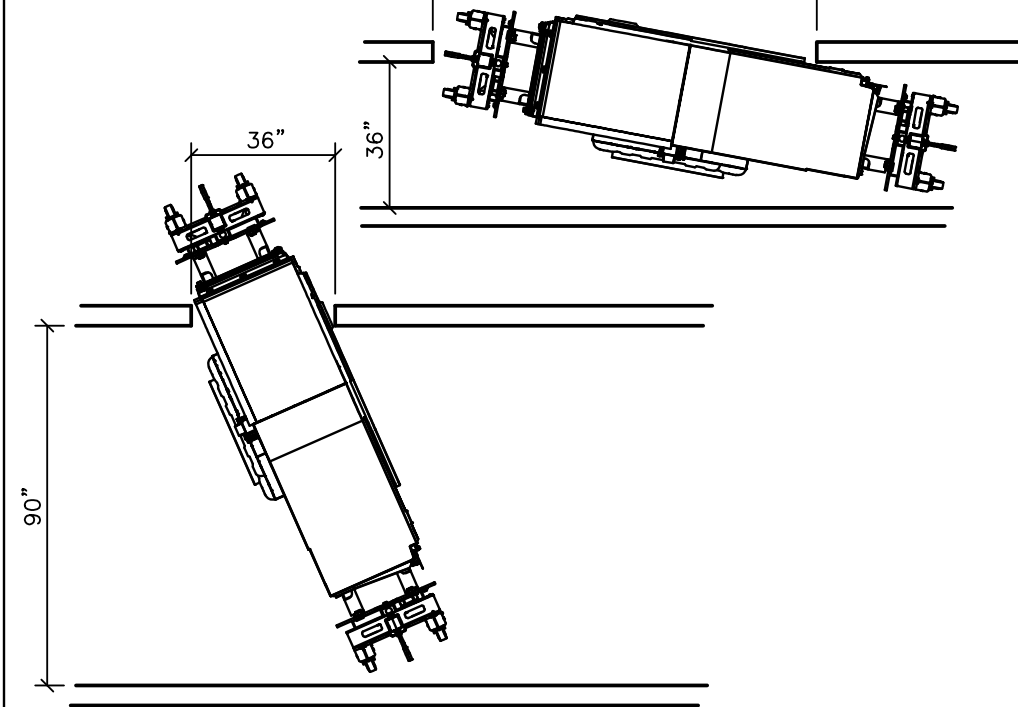
PET GANTRY WITH TRANSPORT DEVICE		CT GANTRY WITH TRANSPORT DEVICE	
STANDARD PRIMARY TRANSPORT TOP VIEW		STANDARD TRANSPORT SWIVELED OUT TOP VIEW	
MINIMUM SECONDARY TRANSPORT TOP VIEW		STANDARD TRANSPORT SWIVELED IN TOP VIEW	

DELIVERY PATH

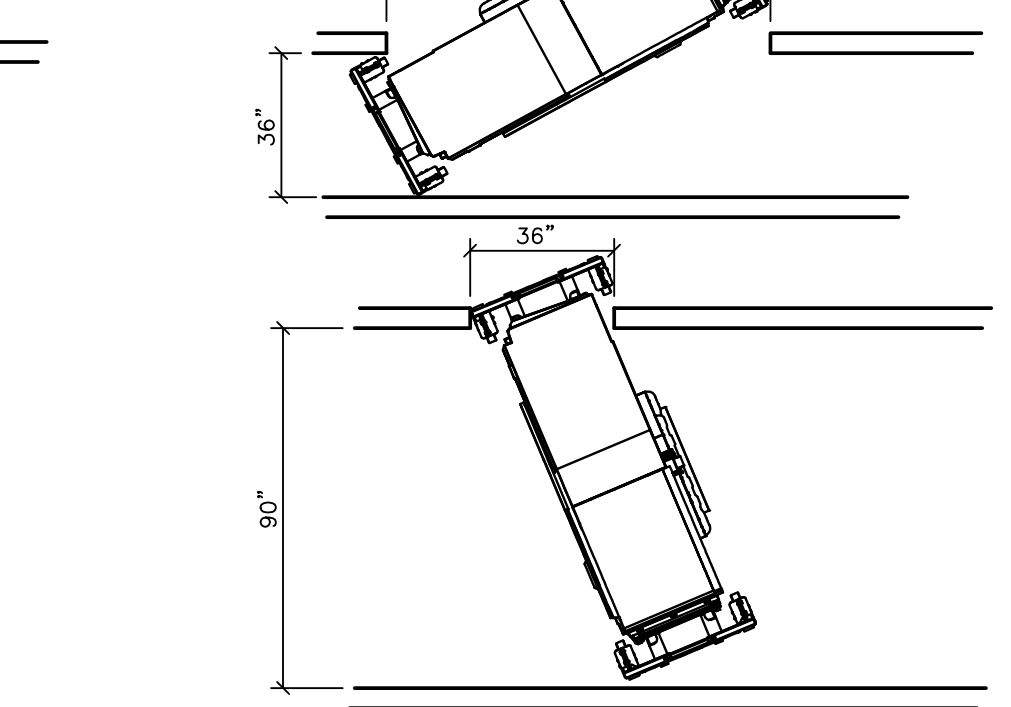
DOORWAY AND CORRIDOR REQUIREMENTS:

THE PET GANTRY CAN BE TRANSPORTED THROUGH A RANGE OF DIFFERENT DOORWAY AND CORRIDOR WIDTHS. THESE ARE MINIMUM ALLOWABLE DOORWAY AND CORRIDOR EXAMPLES.

PRIMARY TRANSPORTS:



SECONDARY TRANSPORTS:



BIOGRAPH TRINION 8

ATTENTION:

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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.

PROJECT MANAGER: SPENCER ROBLES
TEL: (310) 795-6021 EXT:
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SIEMENS

COMMUNITY HOSPITAL WAREHOUSE

710 ARROWEST ROAD, GRAND JUNCTION, CO 81505

EXAM B1076 - BIOGRAPH TRINION EP

PROJECT #:		SHEET:	
2515136		A-102	
SHEET 2 OF 11		DRAWN BY: M. COPLEY	
DATE: 01/27/26		SCALE: AS NOTED	
REF. #: 30300796		DATE: 01/27/26	

STORAGE CONSIDERATIONS

THE BIOGRAPH TRINION GANTRY IS SHIPPED WITH THE DETECTORS MODULES INSTALLED. TO AVOID PERMANENT DAMAGE TO THE CRYSTALS DURING STORAGE, THE TEMPERATURE TOLERANCE MUST REMAIN BETWEEN 50°F-86°F AND RELATIVE HUMIDITY OF 20% TO 75%. A BAROMETRIC PRESSURE: 10.1 TO 15.4 psi AND MAXIMUM TEMPERATURE GRADIENT 11°F PER HOUR. THE BIOGRAPH TRINION MAXIMUM STORAGE TIME IS SIX MONTHS.

BIOGRAPH TRINION 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.

CLIMATE REQUIREMENTS WILL NEED TO BE CONSIDERED FOR INTERMEDIATE STORAGE. ELECTRONIC COMPONENTS AND ESPECIALLY THE DETECTOR MODULES ARE SENSITIVE TO TEMPERATURE AND HUMIDITY, WITH HIGH HUMIDITY BEING MOST CRITICAL. WITHOUT TEMPERATURE AND HUMIDITY CONTROL, THE HIGH-VALUE COMPONENTS MAY BE DAMAGED DURING STORAGE.

WHEN MOVING THE BIOGRAPH TRINION GANTRY FROM A COLD ENVIRONMENT INTO A WARM ROOM, ALLOW THE SYSTEM TO STABILIZE AT ROOM TEMPERATURE FOR 24 HOURS BEFORE OPENING TO ENSURE THAT THE ENTIRE SYSTEM IS COMPLETELY DRY BEFORE SWITCHING ON.

IF THE SYSTEM HAS BEEN UNPACKED AND INSTALLED IN A ROOM WITHOUT CLIMATE CONTROL, IT MUST BE REPACKED AND SEALED AGAINST HUMIDITY.

INSTALLATION CHEMICALS

THE FOLLOWING CHEMICAL LIST ARE NOT INCLUDED IN THE INSTALLATION KIT AND WILL NEED TO BE SUPPLIED AND ORDER PRIOR TO THE INSTALLATION. ALL CHEMICALS ARE AVAILABLE TO BE PURCHASED THROUGH SIEMENS CSL/ORDER MANAGEMENT BY THE PROJECT MANGER OR THEY CAN BE PURCHASED LOCALLY FOLLOWING THE SPECIFICATIONS IN THE CHEMICAL'S DOCUMENTATION.

THE FOLLOWING ITEMS ARE REQUIRED FOR ALL INSTALLATIONS
STANDARD AND SEISMIC.

DESCRIPTION	QUANTITY	EQUIVALENT MINIMUM TOTAL AMOUNT
THREAD LOCKER LOCTITE 243 (BLUE)	2	.68 OZ
ANTI-SEIZE, LOCTITE 8008 C5-A, 2G TUBE	6	.42 OZ
SIMPLE GREEN CLEANER	1	24.00 OZ
MOBILITH XHP 222 GREASE	1	13.50 OZ
IDEAL CLEAR GLIDE WIRE PULLING LUBRICANT	1	32.00 OZ

SEISMIC/ACCULINE RT KIT INSTALLATIONS

THE FOLLOWING ITEMS ARE REQUIRED IN ADDITION TO THOSE PREVIOUSLY LISTED FOR THE BASIC INSTALLATION.

DESCRIPTION	QUANTITY	EQUIVALENT MINIMUM TOTAL AMOUNT
MICOROX X-TRA FLUID GROUT	*	*
MOBILUTH XHP 222 GREASE	1	13.50 OZ
TAP MAGIC	1	16.00 OZ
LOCTITE 262 (RED)	1	1.70 OZ
CLEAR RTV SILICON	1	10.00 OZ

* THE QUANTITY OF MICOROX X-TRA FLUID GROUT IS DEPENDENT ON THE TYPE OF PLATE INSTALLATION. REFER TO GANTRY AND PATIENT TABLE (PHS) FLOOR PLATES NON-EMBEDDED/EMBEDDED - SEISMIC/ACCULINE DETAIL AND/OR THE BIOGRAPH TRINION LOAD DRAWING STORED IN CB-DOC.

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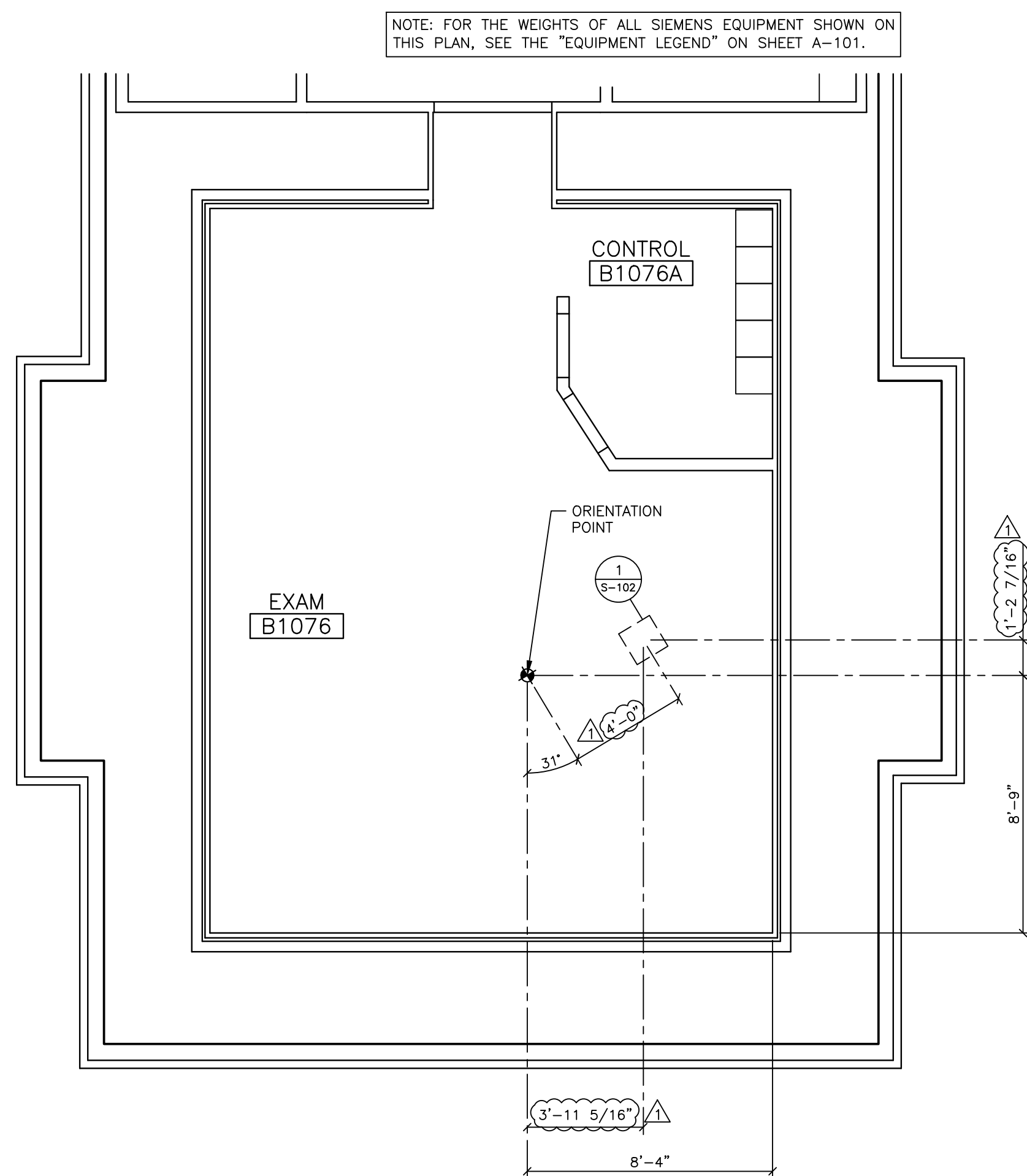
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			PROJECT MANAGER: SPENCER ROBLES TEL: (310) 795-6021 VMAIL: EXT: FAX: EMAIL: SPENCER.ROBLES@SIEMENS-HEALTHINEERS.COM		SIEMENS	
			COMMUNITY HOSPITAL WAREHOUSE 710 ARROWST ROAD, GRAND JUNCTION, CO 81505 EXAM B1076 – BIOGRAPH TRINION CP			
△	02/17/26		RELOCATED INJECTOR; UPDATED SERWSMS AND REVISED ELECTRICAL ROUTING.	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.	PROJECT #: 2515136	SHEET: A-501
△	01/27/26		2515136RA DATED 01/06/26 APPROVED BY CUSTOMER FOR FINALS			
SYM	DATE		DESCRIPTION		SHEET 3 OF 11 DRAWN BY: M. COPLEY	
—ISSUE BLOCK—			SCALE: AS NOTED	REF. #: 30300796	DATE: 01/27/26	

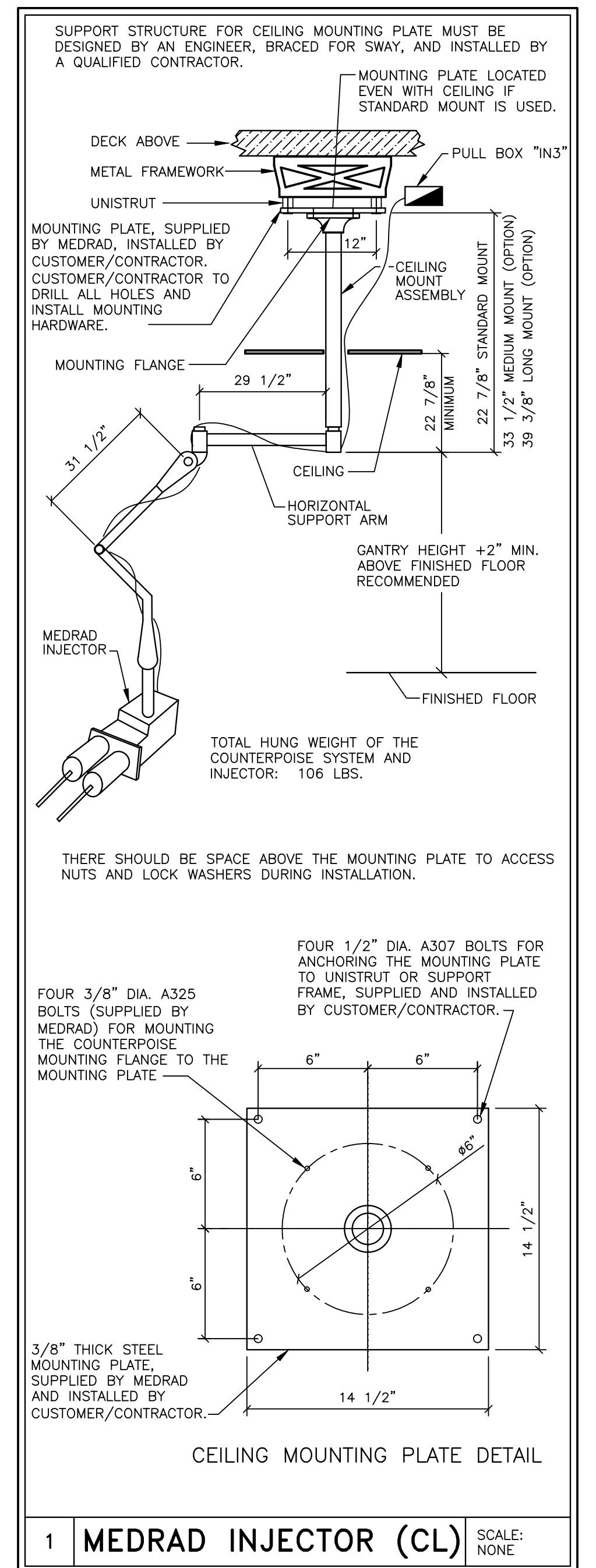
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STRUCTURAL CEILING PLAN

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



FINISHED ROOM HEIGHT	
FOR GENTRY ONLY	MINIMUM 7'-5"
CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GENTRY. IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, THE X-RAY WARNING CANNOT BE INSTALLED ABOVE THE GENTRY. A X-RAY WARNING LIGHT IN THIS LOCATION WOULD INTERFERE WITH THE TOP COVER.	

ATTENTION:

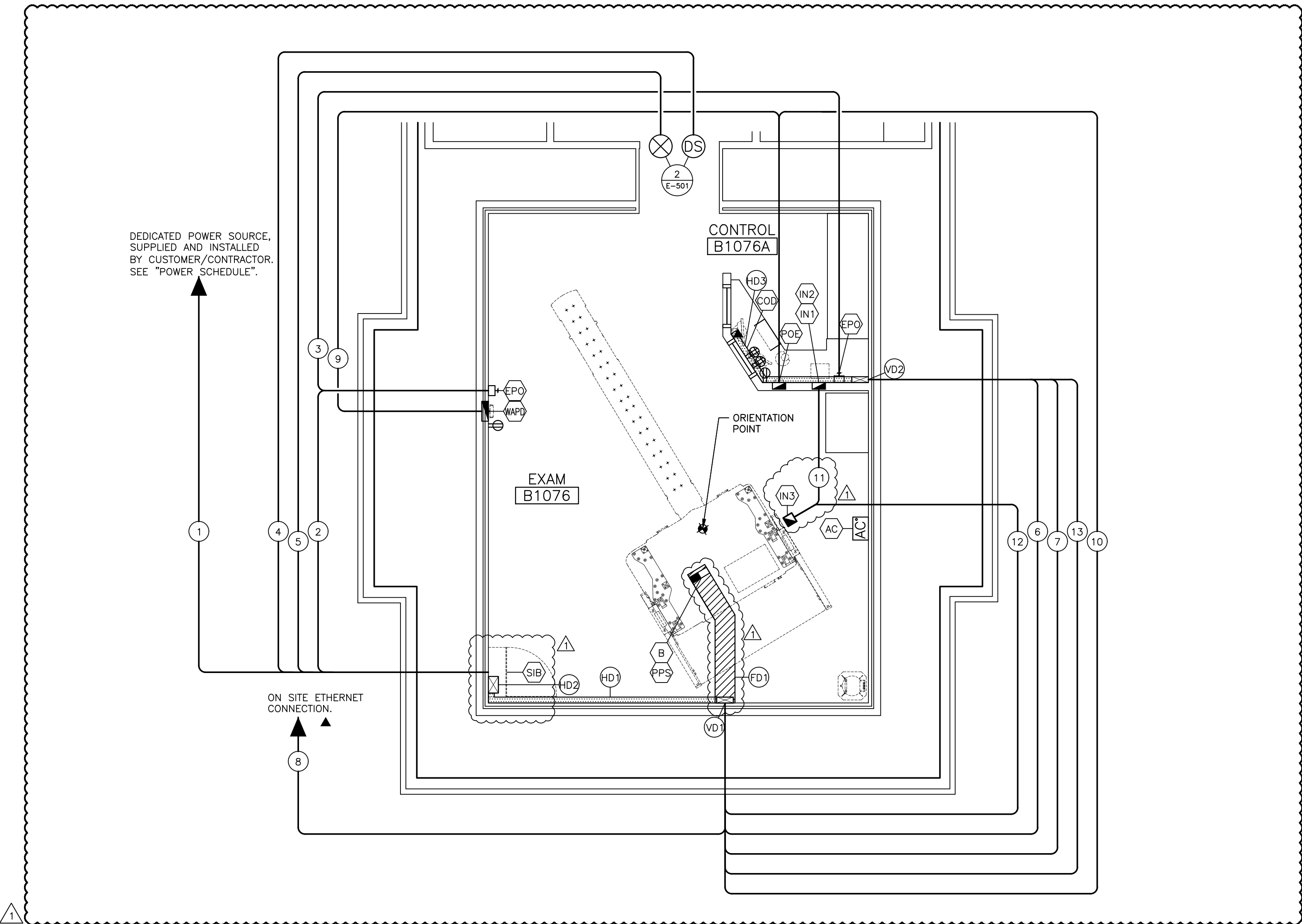
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[illegible]



ELECTRICAL RACEWAY PLAN

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

SIEMENS SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
SIB	HD2,HD1,VD1,FD1	B	POWER CABLE. (W2101:380-480AC, W2102: 230-288AC)	MAXIMUM LENGTH 82'-0".
SIB	HD2,HD1,VD1,FD1	B	DATA CABLE. (W2005: 24VDC, W2103: 24DC, W2104:24DC, W2120:12DC)	MAXIMUM LENGTH 80'-0".
B	FD1,VD1,6,VD2,HD3	COD	POWER CABLE. (W46Y: 230 VAC, W48:0V)	MAXIMUM LENGTH 82'-0".
B	FD1,VD1,7,VD2,HD3	COD	DATA CABLE. (W50:UNMARKED, W51:5VAC, W60:24VDC)	MAXIMUM LENGTH 82'-0".
B	FD1,VD1,8	ON-SITE EXTERNAL NETWORK	DATA CABLE (24 DC)	MAXIMUM LENGTH 82'-0"
WAPD	9	POE	DATA CABLE. (ETHERNET CABLE)	MAXIMUM LENGTH 82'-0".
POE	10,VD1,FD1	B	DATA CABLE. (ETHERNET CABLE)	MAXIMUM LENGTH 82'-0".
IN1	LOOSE	IN2	INJECTOR CABLE.	
IN2	11	IN3	INJECTOR CABLE.	MAXIMUM LENGTH 75'-0".
B	FD1,VD1,12	IN2	POWER AND COMMUNICATION CABLE.	
COD	HD3,VD2,13,VD1,FD1	B	DATA CABLE. (300V)	MAXIMUM LENGTH 82'-0"

CONTRACTOR SUPPLIED CABLES				
FROM	VIA	TO	DESCRIPTION	REMARKS
POWER SOURCE	1	SIB	3-PHASE CONDUCTORS, 1 NEUTRAL AND PLUS GROUND DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
SIB	2	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	3	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
SIB	4	DOOR SAFETY SWITCH	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501
SIB	5	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE DETAIL E-501

FINISHED ROOM HEIGHT	
FOR GENTRY ONLY	MINIMUM 7'-5"
CEILING MOUNT	SEE DETAIL ON S-102 SHEET
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SIEMENS
COMMUNITY HOSPITAL WAREHOUSE
710 ARROWEST ROAD, GRAND JUNCTION, CO 81505
EXAM B1076 - BIOGRAPH TRINION EP

PROJECT #:
2515136

SHEET:
E-101

DATE: 01/27/26

DATE: 01/27/26

SCALE: AS NOTED

REF. #: 30300796

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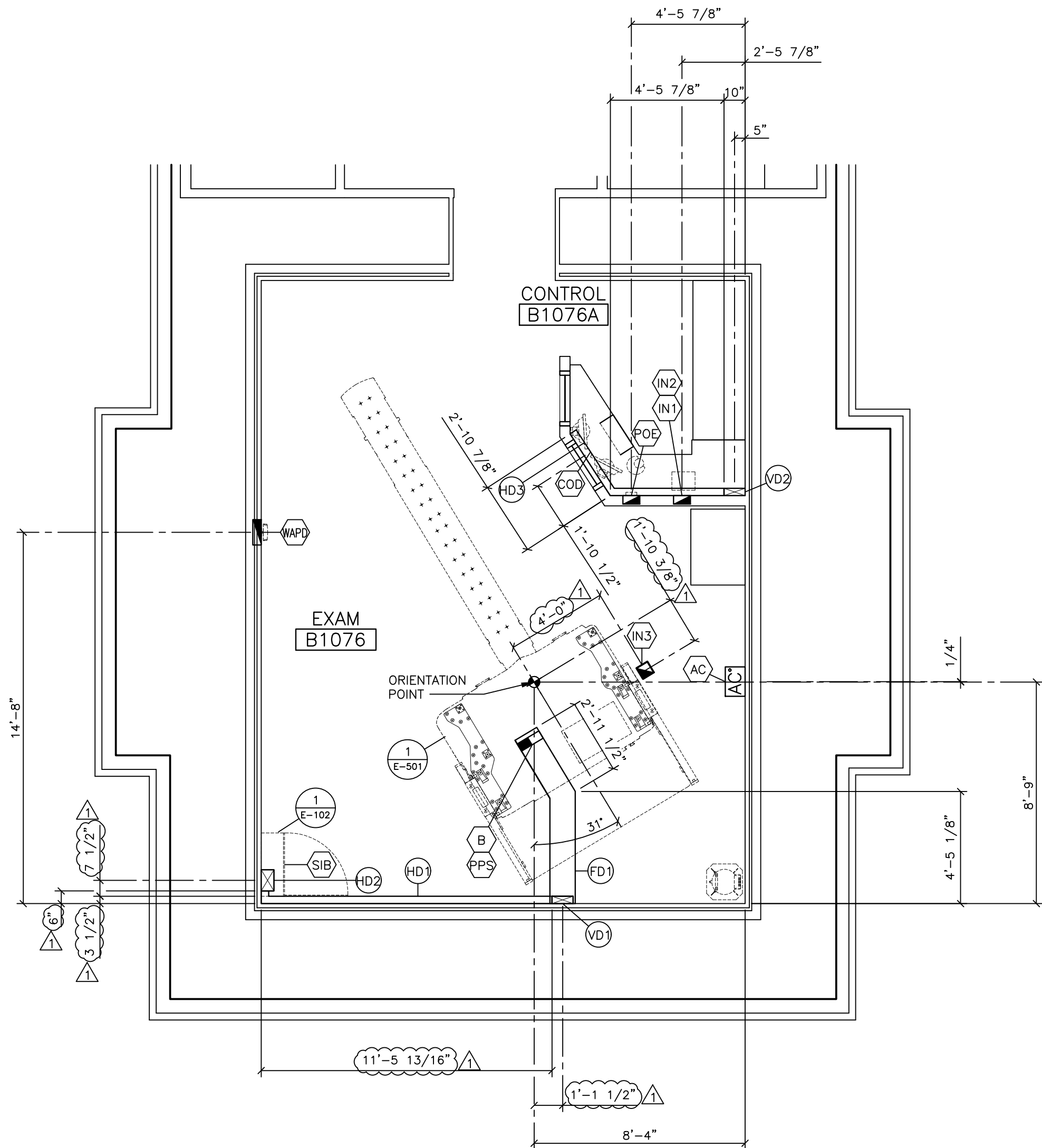
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ELECTRICAL DIMENSION PLAN



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

POWER QUALITY

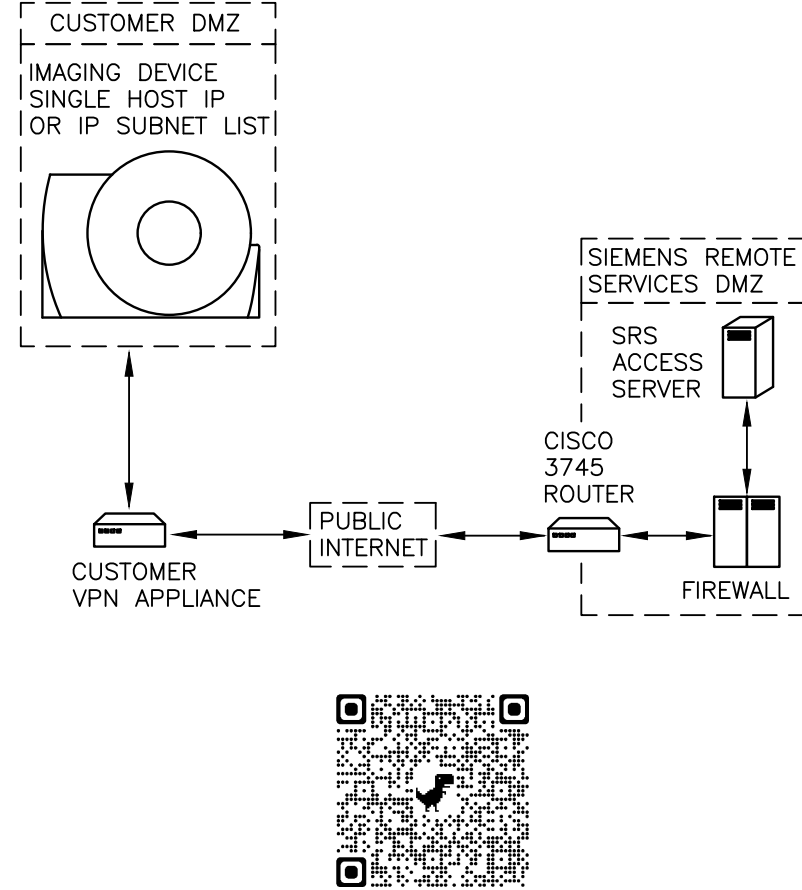
POOR POWER WILL ALTER EQUIPMENT PERFORMANCE

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.

SIEMENS SMART REMOTE SERVICE

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.

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 SMART REMOTE SERVICES TO DETERMINE BEST IMPLEMENTATION FOR YOUR SITE. CONTACT: IMCPTSCSRS.DL@SIEMENS-HEALTHINEERS.COM.



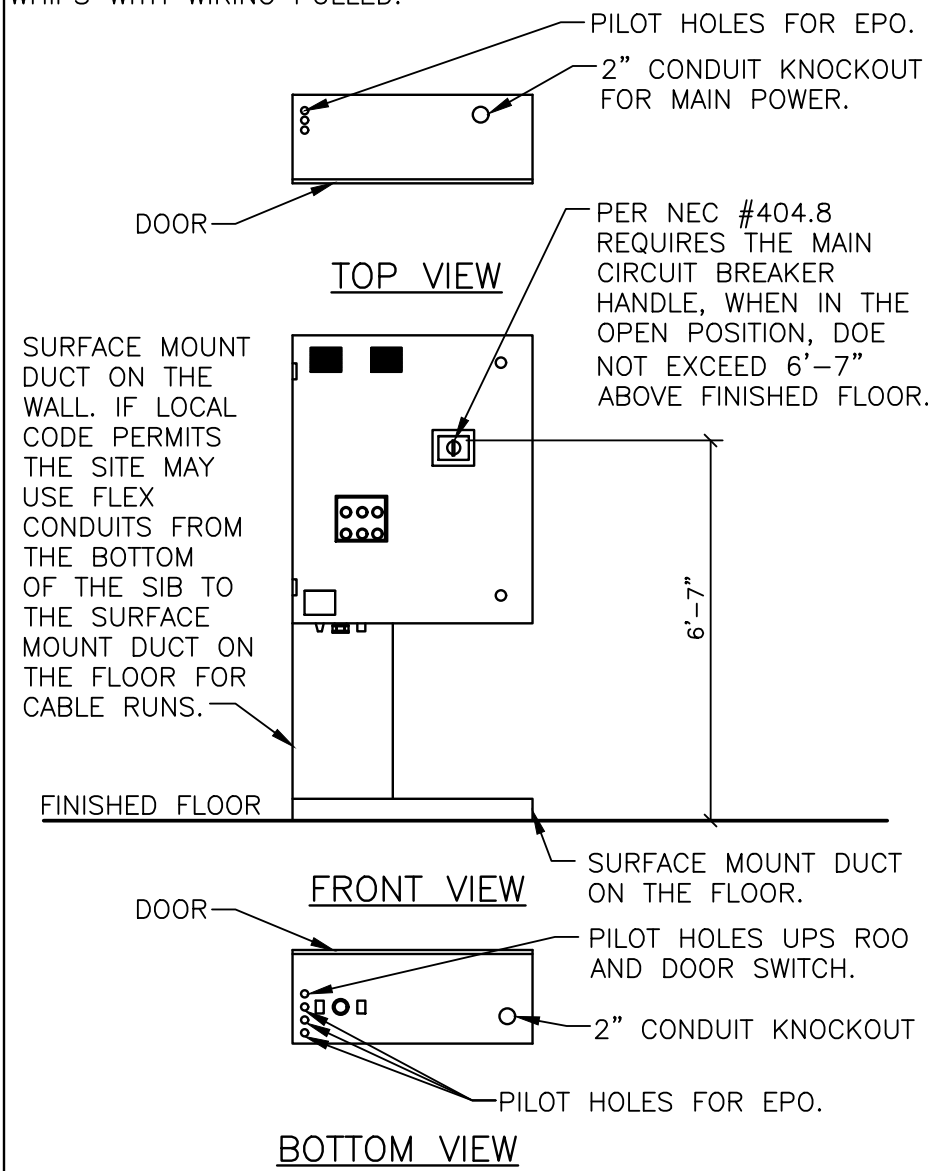
CABLE PROTECTION

CABLES ARE NOT PLENUM RATED. ALL CABLES MUST BE ROUTED IN CABLE DUCTS OR CABLE CONDUITS.

ELECTRICIAN COORDINATION

AN ELECTRICIAN IS REQUIRED TO BE AVAILABLE DURING THE ACTUAL INSTALLATION OF THE SYSTEM.

A LOCAL CERTIFIED ELECTRICIAN MUST BE AVAILABLE ON THE SECOND OR THIRD DAY FOLLOWING DELIVERY. THE SITE SHOULD BE PREPARED IN ADVANCE FLEXIBLE WHIPS OR WHIPS WITH WIRING PULLED.



SITE INTERFACE BOX (SIB)

THE SITE INTERFACE BOX (SIB) IS AN INTEGRAL PART OF THE BIOGRAPH TRINION PROVIDING POWER DISTRIBUTION TO THE PET AND CT SUBSYSTEMS.

PILOT DEVICES MOUNTED ON THE COVER OF THE SITE INTERFACE BOX (SIB) INDICATE SYSTEM STATUS, PROVIDE ILLUMINATED PUSH TO TEST CAPABILITIES FOR THE MAINS CIRCUIT BREAKER, CT AND PET GANTRY BRANCH CIRCUIT, PET GANTRY UPS BATTERY, EPO CIRCUIT, AND SURGE SUPPRESSORS.

WARNING LIGHTS, DOOR SWITCHES, EPO SWITCHES AND OPTIONAL POWER DISTRIBUTOR INPUTS ALL CONNECT TO THE SITE INTERFACE BOX (SIB) BEFORE ROUTING THE TO THE PET/CT GANTRIES.

THREE EPO'S PUSH BUTTONS WITH THREE NORMALLY CLOSED CONTACTS ARE PROVIDED WITH THE PANEL. FIELD CONNECTIONS FOR THE EPO BUTTONS MAY EXIT FROM EITHER THE TOP OR THE BOTTOM, ON THE LEFT SIDE OF THE BOX. PRE-CUT HOLES ARE PROVIDED AS WELL AS CORD GRIPS.

THE SITE INTERFACE BOX (SIB) CONTROL CIRCUIT IS CONFIGURED TO REMAIN ENERGIZED IN THE EVENT OF VOLTAGE DROPS, POWER TESTING AND TRANSFER OR OTHER OUTAGES THAT MAY OTHERWISE DISRUPT NORMAL OPERATION OF THE SITE INTERFACE BOX (SIB).

SITE INTERFACE BOX (SIB)	
INPUT VOLTAGE 480/277 VAC, 50/60 HZ	
SHORT CIRCUIT CURRENT RATING:	
25,000A RMS SYMMETRICAL@480VAC MAXIMUM	
Icc - 25,000g@415VAC MAXIMUM	

1	SIB BOX	NOT TO SCALE
---	---------	--------------

PREINSTALLATION

SITE INTERFACE BOX IS SUPPLIED BY SIEMENS, CUSTOMER/CONTRACTOR INSTALLED. THE SIB NEEDS TO BE INSTALLED AND FUNCTIONAL PRIOR TO SYSTEMS DELIVERY.

FAILURE TO DO SO WILL RESULT IN INSTALLATION DELAYS.

IT IS THE CUSTOMER/CONTRACTORS LOCAL CERTIFIED ELECTRICIANS RESPONSIBILITY TO PROVIDE POWER TO THE SITE INTERFACE BOX PRIOR TO EQUIPMENT DELIVERY AND INSTALLATION.

ELECTRICAL NOTES

1) COMPLIANCE: ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH 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 WITH ANSI, IEEE AND NEMA STANDARDS AND ARE U.L. LISTED AND LABELED. THE CUSTOMER'S/CONTRACTOR'S WORK AND ALL EQUIPMENT INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED/ENFORCED BY THE AUTHORITY HAVING JURISDICTION.

2) QUALITY ASSURANCE: THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD TO INSURE THAT THE NEW WORK WILL FIT INTO 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 SIEMENS PROJECT MANAGER. ALL DIMENSIONS ARE FROM FINISHED SURFACES. CONDUIT AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER.

3) POWER SUPPLY SOURCE, POWER SUPPLIES FOR SIEMENS HEALTHCARE EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE "WYE" SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED THAT IS KEPT ENTIRELY FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING. NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR MEDICAL IMAGING PANEL THAT SERVES THE SIEMENS HEALTHCARE EQUIPMENT. IF THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT REQUIRED TO ESTABLISH THE POWER SUPPLY IN ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CUSTOMER AND/OR UTILITY COMPANY FIELD REPRESENTATIVE.

4) WORK FURNISHED BY CUSTOMER/CONTRACTOR, WORK NOT PROVIDED BY SIEMENS HEALTHCARE BUT SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CUSTOMER/CONTRACTOR INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING, UNLESS NOTED OTHERWISE: ELECTRICAL RACEWAYS AND DUCTS, WIRING TROUGHS, PULL BOXES, CONDUITS, CIRCUIT BREAKERS, ACCESS PANELS, EMERGENCY OFF BUTTONS, DOOR SWITCHES, WARNING LIGHTS, WIRING DEVICES, CONNECTORS, LIGHTING EQUIPMENT AND GROUNDING.

5) RACEWAY AND CONDUIT NOTES: ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE. 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. ALL CONNECTORS FOR EMT SHALL BE COMPRESSION OR DOUBLE SET SCREW TYPE.

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, EXCEPT AS OTHERWISE INDICATED. THE CONTRACTOR SHALL MAKE CERTAIN THAT ANY CONDUIT/RACEWAY RUNS CONTAINING SIEMENS HEALTHCARE CABLES DO NOT EXCEED THE SPECIFIED MAXIMUM DISTANCES AS SHOWN ON THE ELECTRICAL DETAILS. LISTED CONDUIT SIZES FOR SIEMENS-SUPPLIED CABLES MUST BE MAINTAINED IN ORDER TO ENABLE THE TOTAL CABLE BUNDLE INCLUDING CONNECTORS TO BE PULLED THROUGH WITHOUT DAMAGE.

PROVIDE ENCLOSED METAL WIRE DUCT RACEWAY SYSTEM WHERE SHOWN ON DRAWINGS WITH DIVIDERS TO SEPARATE THE DUCT INTO TWO OR THREE SEPARATE COMPARTMENTS AS SHOWN ON THE SIEMENS PLANS (FOR POWER AND SIEMENS HEALTHCARE CABLING). DIVIDERS AND CROSSOVER PIECES TO BE PROVIDED AS NECESSARY. THE CABLE TO CABLE AS WELL AS THE CIRCUIT TO CIRCUIT SEPARATION REQUIREMENT WAS EVALUATED DURING THE UL SYSTEM CERTIFICATION OF THE EQUIPMENT. ADDITIONAL SEPARATION OF THE SYSTEM CABLE ASSEMBLIES INTO SEPARATE OR PARTITIONED RACEWAYS, UNLESS OTHERWISE NOTED, IS NOT NECESSARY TO INSURE SEPARATION OF CIRCUITS.

PROVIDE WIRE DUCT/RACEWAY WITH ACCESSIBLE REMOVABLE COVERS. LOCATIONS OF BUILDING MATERIAL OPENINGS (I.E. ACCESS PANELS) TO BE CUT IN FIELD ARE TO BE COORDINATED WITH THE DRAWING REQUIREMENTS AND BUILDING STRUCTURE. THOSE THAT ARE NOT INDICATED OR INTERFERE WITH BUILDING ELEMENTS SHALL 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. CONTRACTORS MUST PROVIDE PULL STRINGS FOR ALL CONDUIT AND WIRE DUCT/RACEWAY. IN-FLOOR TRENCH DUCT AND FLUSH FLOOR BOXES SHALL BE PROVIDED WITH FULLY GASKETED REMOVABLE COVERS.

WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED HIGHER THAN 14 FEET ABOVE FINISHED FLOOR, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP THE SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE. WHEN JUNCTION BOXES AND WIRE DUCT/RACEWAY ARE MOUNTED ABOVE A HARD CEILING (I.E. SHEET ROCK), A 24" x 24" ACCESS PANEL IS REQUIRED AT EACH JUNCTION BOX AND WITHIN 2 FEET OF EACH RACEWAY TRANSITION (SUCH AS A 90 DEGREE ELBOW OR TEE) IN DUCT/RACEWAY. THERE MUST BE FREE AND CLEAR ACCESS TO JUNCTION BOXES AND WIRE DUCT/RACEWAY. WHEN ACCESS PANELS ARE LOCATED MORE THAN 3 FEET FROM JUNCTION BOXES AND WIRE DUCT/RACEWAY THE ELECTRICAL CONTRACTOR SHALL PROVIDE TWO ELECTRICIANS TO HELP SIEMENS INSTALLERS PULL SIEMENS SUPPLIED CABLES AT CUSTOMER'S EXPENSE.

6) WIRING: ALL WIRING INSTALLED SHALL BE 600 VOLT CLASS, STRANDED TYPE THHN/THWN-2, SINGLE CONDUCTOR ANNEALED COPPER FOR A MAXIMUM OPERATING TEMPERATURE OF 90° C (194° F), SIZED AS INDICATED, INSTALLED IN METAL RACEWAYS. THE CUSTOMER/CONTRACTOR SHALL LEAVE A MINIMUM 10 FEET OF WIRE TAILS AT ALL OUTLET POINTS WITH WIRE IDENTIFICATION TAGGED AT BOTH ENDS FOR FINAL CONNECTION BY THE CUSTOMER/ELECTRICAL CONTRACTOR.

7) SHORT CIRCUIT REQUIREMENTS: ALL CIRCUIT BREAKERS SUPPLIED FOR THE SIEMENS EQUIPMENT REQUIREMENTS SHALL BE RATED HIGHER THAN THE SHORT CIRCUIT AVAILABLE AT THE TERMINALS OF THE ELECTRICAL EQUIPMENT AS DETERMINED BY THE ENGINEER OF RECORD, BUT NOT LESS THAN 35,000A RMS SYMMETRICAL AT 480V, 3-PHASE, 60 HERTZ. THE CONTRACTOR SHALL OBTAIN THE CORRECT SHORT CIRCUIT CURRENT RATING OF ALL THE NEW EQUIPMENT FOR INSTALLATION FROM THE ENGINEER OF RECORD.

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SIEMENS			
COMMUNITY HOSPITAL WAREHOUSE			
710 ARROWEST ROAD, GRAND JUNCTION, CO 81505 EXAM B1076 - BIOGRAPH TRINION EP			
PROJECT #: 2515136		SHEET: E-102	
SHEET 9 OF 11 DRAWN BY: M. COPLY		DATE: 01/27/26	
ALL RIGHTS ARE RESERVED.		SCALE: AS NOTED	
REF. #: 30300796			

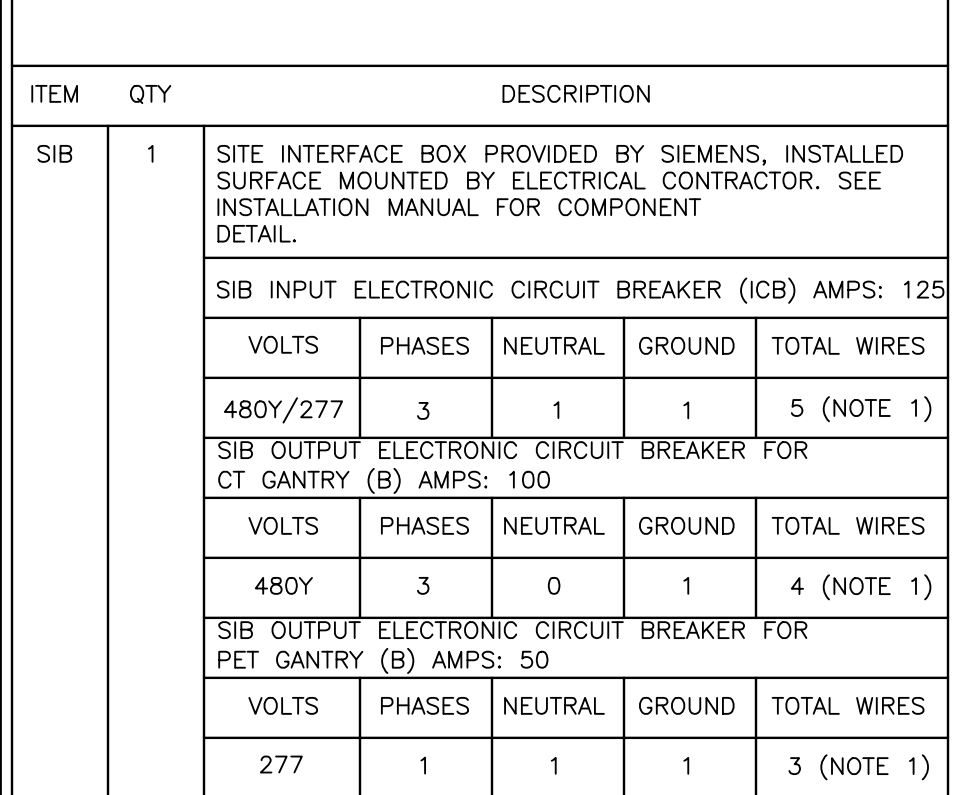
SYSTEM	SUPPLY VOLTAGE (VOLTS)	POWER CONSUMPTION (kVA)	SUPPLY IMPEDANCE (mΩ)	BREAKER (AMPS) SIB *
BIOGRAPH TRINION	3Ø 480Y/277 ±10%	120kVA NON-CONTINUOUS AND 10kVA CONTINUOUS	160	125 (ICB)

SYSTEM IN STANDBY MODE THE CT SYSTEM CAN BE OPERATED WITH PHS FUNCTIONS, HOWEVER NO SCAN MODE IS LOAD. CT GANTRY ON, PET GANTRY ON AND ALL COMPUTERS ON.

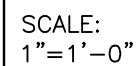
- IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN PET/CT OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

THE SCANNER, CONTROL AND EQUIPMENT ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EACH EMERGENCY POWER OFF BUTTON.

ALL CONDUITS AND WIRES SIZES MUST BE DETERMINED BY THE ELECTRICAL ENGINEER OF RECORD PER N.E.C AND TO MAINTAIN SIEMENS IMPEDANCE REQUIREMENTS.	480Y/277 VOLTS 3 PHASE, 4 WIRES, PLUS GROUND
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EPO	VARIES	ALL EPO'S SUPPLIED BY SIEMENS WITH THE SITE INTERFACE BOX. EPO'S INSTALLED AND WIRED BY CUSTOMER/CONTRACTOR. THE CUSTOMER/CONTRACTOR MUST SUPPLY ALL ADDITIONAL EPO'S THAT ARE REQUIRED AND BE THE SAME AS THOSE SUPPLIED BY SIEMENS. NOTE 1 – EPO CONTACTS TO BE <u>NORMALLY CLOSED</u>, WIRED IN SERIES, CONNECTED TO THE SIB BOX. THE EPO'S MUST BE INSTALLED BY A QUALIFIED ELECTRICAL CONTRACTOR ACCORDING TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS. THE CUSTOMER IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPO'S AND THEIR ASSOCIATED CIRCUITS AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.
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EQUIPMENT GROUNDING CONDUCTOR TO COMPLY WITH THE FOLLOWING:

- 1) SIZE GROUNDING WIRE TO SIEMENS EQUIPMENT PER POWER SCHEDULE REQUIREMENTS.
- 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.

IF AS A NORM, THERE SHOULD NOT BE ANY CURRENT PRESENCE ON THE GROUND CONDUCTOR, BUT IT IS ACCEPTABLE TO HAVE $\leq 500\text{mA}$ DURING OPERATION OF THE IMAGING EQUIPMENT.



- 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.

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

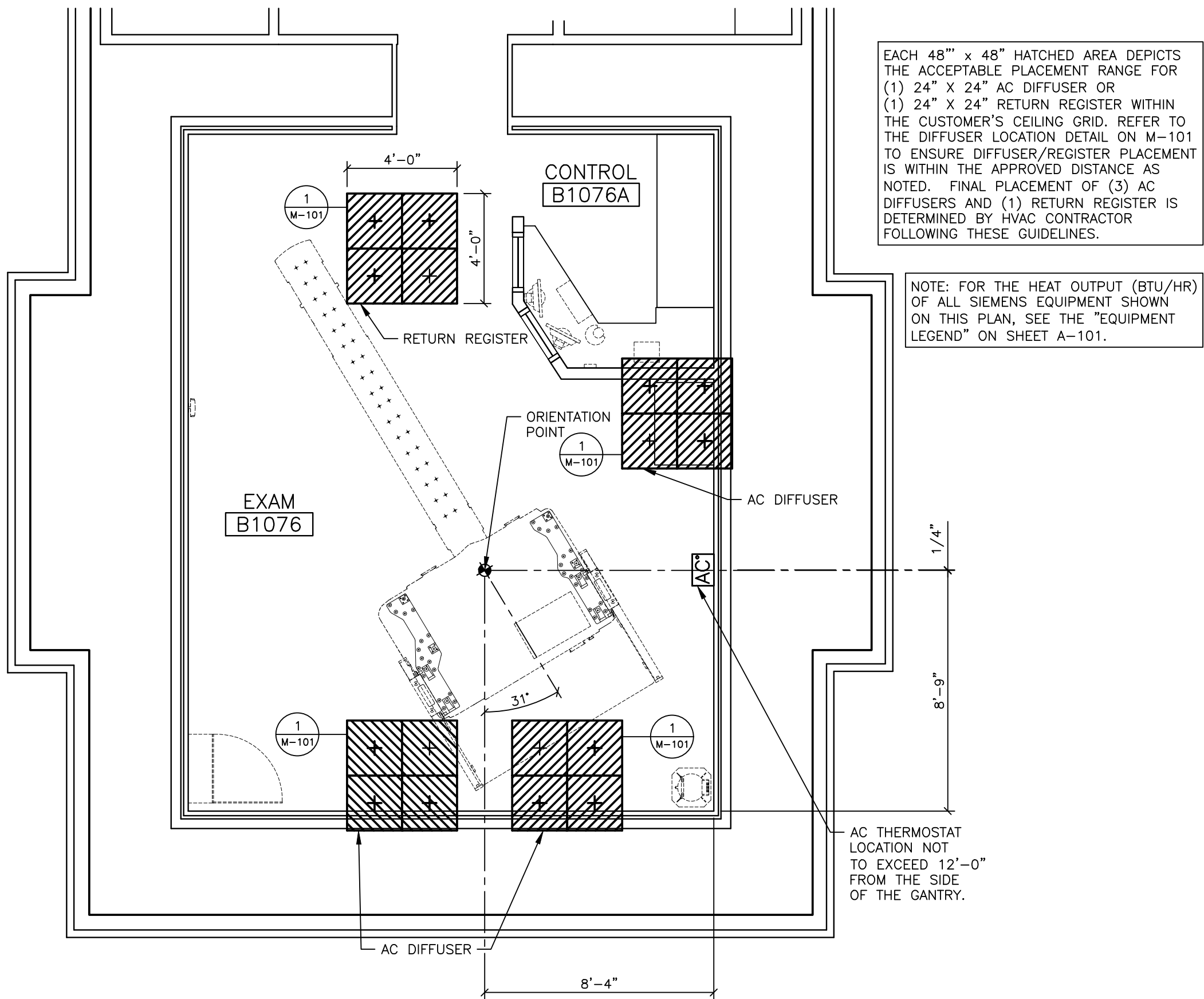
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COMMUNITY HOSPITAL WAREHOUSE
710 ARROWST ROAD, GRAND JUNCTION, CO 81505
EXAM B1076 - BIOGRAPH TRINION EP

PROJECT #:		2515136	
SHEET	OF	DRAWN BY:	
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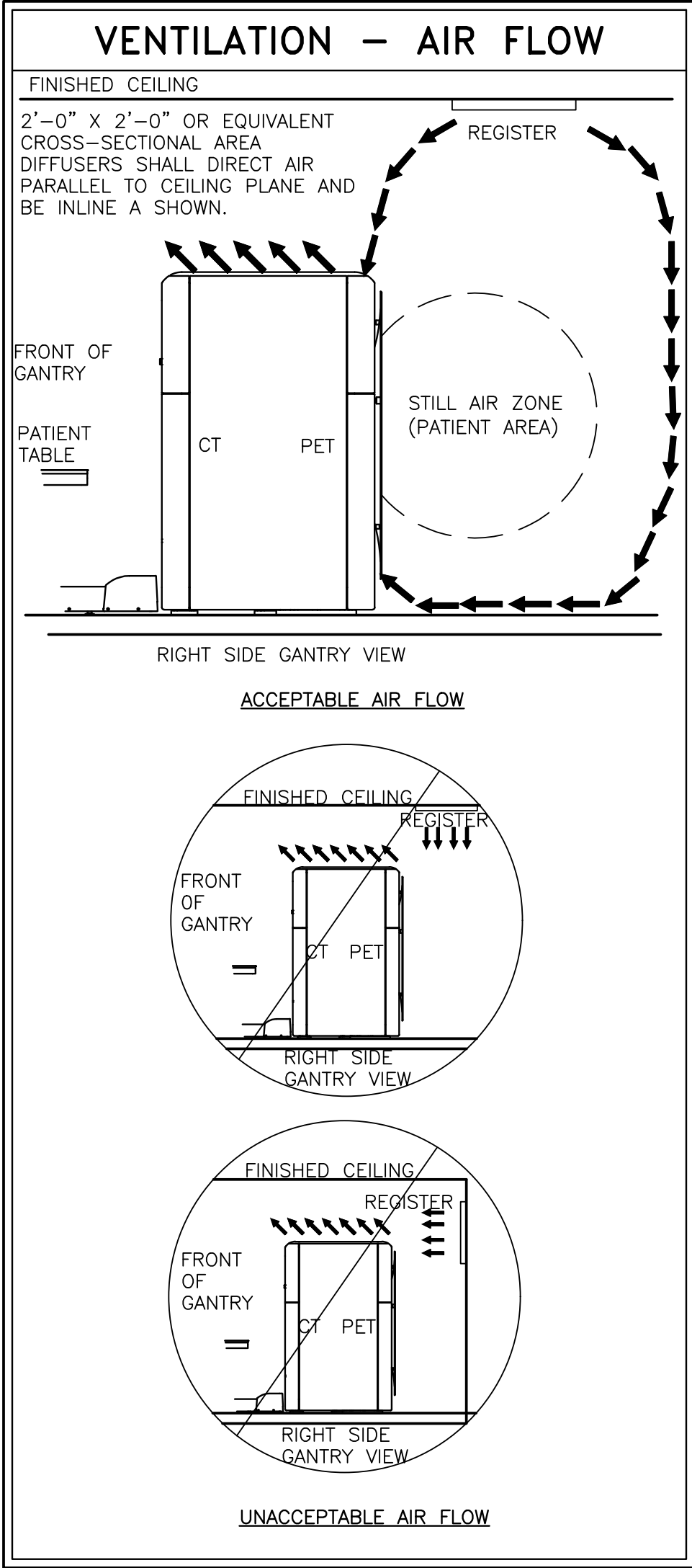
SHEET:
E-501

DATE:	01/27/26
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HVAC PLAN

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

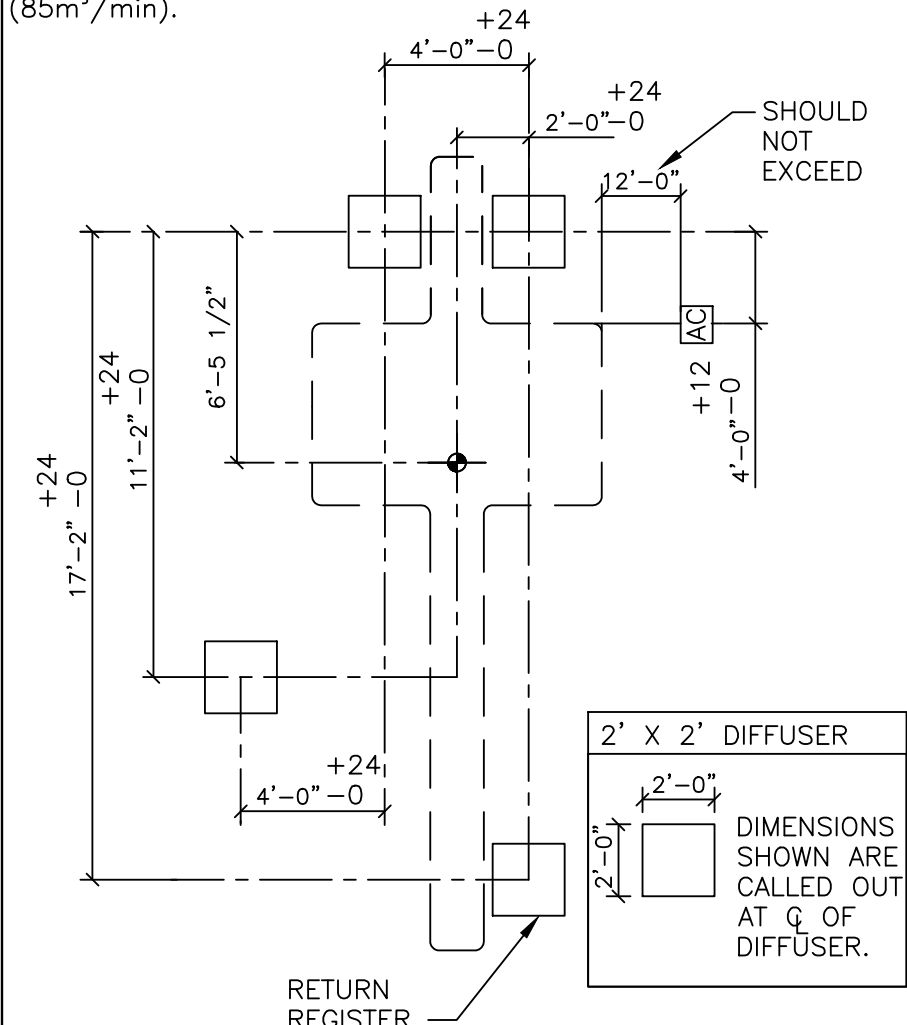


THE BIOGRAPH TRINION SYSTEM REQUIRES SPECIFIC PLACEMENT FOR THE HVAC DIFFUSERS TO PROPERLY COOL THE SYSTEM. A VARIANCE IN DIRECTION AS SHOWN IS ALLOWED TO LOCATE DIFFUSERS WITHIN CUSTOMER'S EXISTING CEILING GRID.

POSITION OF THE AC THERMOSTAT CUSTOMER SUPPLIED MAY BE LOCATED ON EITHER SIDE WALL AT THE CLOSEST POSSIBLE DISTANCE TO THE REAR CORNER OF THE BIOGRAPH TRINION GENTRY NOT TO EXCEED 12'-0". EXACT LOCATION OF AC THERMOSTAT IS EXTREMELY IMPORTANT FOR TO PROPERLY COOL THE SYSTEM. IMPROPER PLACEMENT MAY CAUSE THE SYSTEM TO OVERHEAT.

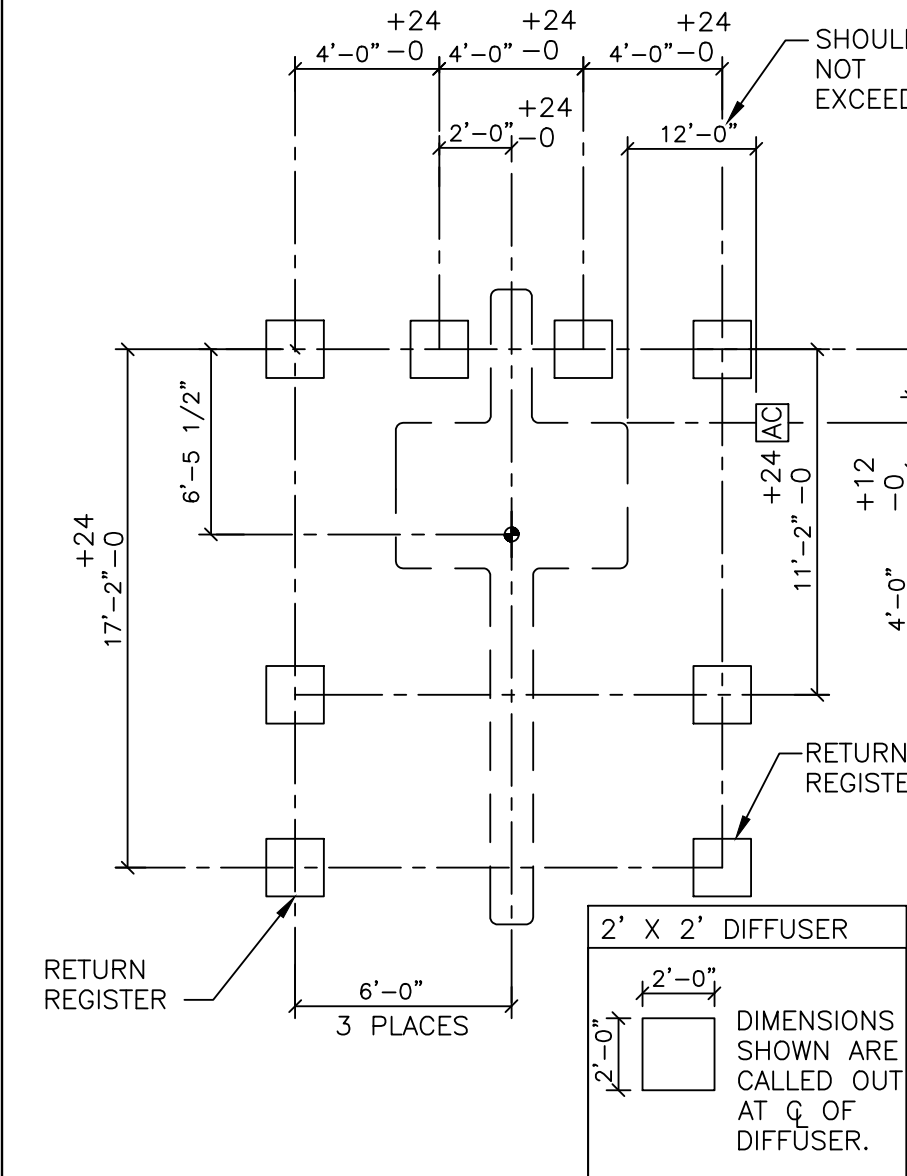
DIFFUSERS SHALL NOT BE DIRECTLY ABOVE THE PATIENT AS SHOWN IN THE BELOW LOCATIONS.

STANDARD DIFFUSER LOCATIONS
USE THE "STANDARD DIFFUSER LOCATION" CONFIGURATION IF THE AIRFLOW IN THE SCANNER ROOM IS LESS THAN 3000 FT³/MIN (85m³/min).



THE NUMBER OF DIFFUSERS AT THE REAR SIDE OF THE SCANNER TO THE NUMBER OF DIFFUSERS AT THE FRONT SIDE OF THE SCANNER SHALL BE 2:1 RATIO. THE SUPPLYING FEED DUCT TO EACH AIR DIFFUSER SHALL BE EQUIPPED WITH A MANUAL ADJUSTMENT DAMPER.

ALTERNATIVE DIFFUSER LOCATIONS
USE THE "ALTERNATIVE DIFFUSER LOCATION" CONFIGURATION IF THE AIRFLOW IN THE SCANNER ROOM IS GREATER THAN 3000 FT³/MIN (85m³/min).



THE NUMBER OF DIFFUSERS AT THE REAR SIDE OF THE SCANNER TO THE NUMBER OF DIFFUSERS AT THE FRONT SIDE OF THE SCANNER SHALL BE 2:1 RATIO. THE SUPPLYING FEED DUCT TO EACH AIR DIFFUSER SHALL BE EQUIPPED WITH A MANUAL ADJUSTMENT DAMPER.

1 VENTILATION LOCATION SCALE: NONE

FINISHED ROOM HEIGHT	
FOR GENTRY ONLY	MINIMUM 7'-5"
CEILING MOUNT	SEE DETAIL ON S-102 SHEET
THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GENTRY.	
IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, THE X-RAY WARNING CANNOT BE INSTALLED ABOVE THE GENTRY. A X-RAY WARNING LIGHT IN THIS LOCATION WOULD INTERFERE WITH THE TOP COVER.	

ATTENTION:

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

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

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

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			COMMUNITY HOSPITAL WAREHOUSE	
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