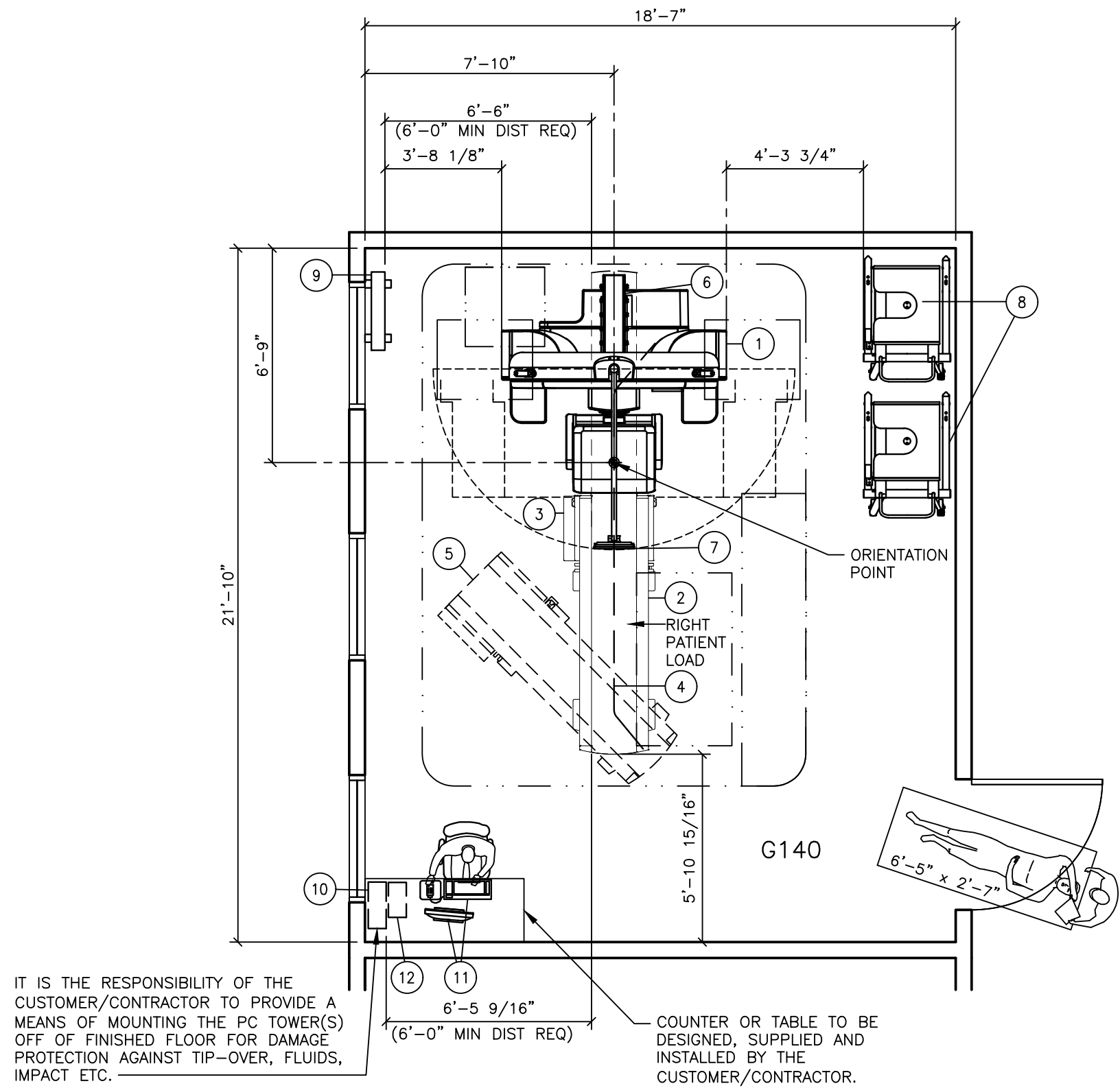




THIS SET OF FINAL DRAWINGS IS REFLECTIVE OF THE LATEST SALES CONFIGURATION. ANY CHANGES TO THIS SALES CONFIGURATION MAY REQUIRE A REVISION TO THIS PROJECT PLAN. IF REQUESTED, SIEMENS WILL PRODUCE A REVISED SET OF FINAL DRAWINGS TO REFLECT THE CHANGES, HOWEVER SIEMENS IS NOT RESPONSIBLE FOR ANY CONSTRUCTION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

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

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.

SYMBIA EVO SYSTEM REQUIRES A MINIMUM FINISHED CEILING HEIGHT OF 8'-0".

ARCHITECTURAL EQUIPMENT PLAN

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

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.
- THE SOUND SYSTEM AND INTERCOM BETWEEN THE EXAMINATION AND CONTROL ROOMS ARE TO BE LOCATED, FURNISHED AND INSTALLED BY THE CUSTOMER/CONTRACTOR.
- ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.

HELIUM CAUTION

WHEN PRESENT ABOVE NORMAL ATMOSPHERIC LEVELS, HELIUM GAS CAN CAUSE DAMAGE TO, AND/OR REDUCED LIFE EXPECTANCY OF, THE SPECT DETECTORS PMTs.

DAMAGE TO THE SPECT SUBSYSTEM DETECTORS AND INABILITY TO PASS SPECT DAILYQC.

AVOID EXPOSING THE SYSTEM TO HELIUM CONCENTRATIONS ABOVE THOSE FOUND UNDER NORMAL ATMOSPHERIC CONDITIONS (i.e., ~5ppm BY VOLUME).

MAGNETIC FIELD PROXIMITY SPECIFICATION

ITEM	GAUSS LIMITS
SYMBIA SPECT SYSTEM	UPPER LIMIT OF MAGNETIC FIELD EXPOSURE FOR A SYMBIA DETECTOR (REFER TO 1) TO BE 1 GAUSS AC OR DC.
COMPUTER, MAGNETIC DISK DRIVES	10 GAUSS
COLOR MONITORS	1.5 GAUSS (LIQUID CRYSTAL DISPLAY ONLY).

1) TOTAL MAGNETIC FIELD FROM SOURCES (SUCH AS MR SYSTEMS, SPEAKERS, MOTORS, EARTH'S MAGNETIC FIELD, ETC.) CANNOT EXCEED THE SYSTEM LIMIT IN THE PLANNING GUIDE. ADDITIONALLY, WHEN MEASURING THE MAGNETIC FIELD IN PROXIMITY TO AN MR SYSTEM, ENSURE THE MR SYSTEM IS OPERATING IN A MODE THAT CREATES THE LARGEST MAGNETIC FIELD.

TRANSPORT AND DELIVERY NOTES

TOTAL SYMBIA EVO GANTRY WITH TRANSPORT DEVICE	4,118 LBS.
SYMBIA EVO	3,979 LBS.
FRONT PHS	2,742 LBS.
REAR PHS	506 LBS.

NORMAL TRANSPORT REQUIREMENTS:
DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY.

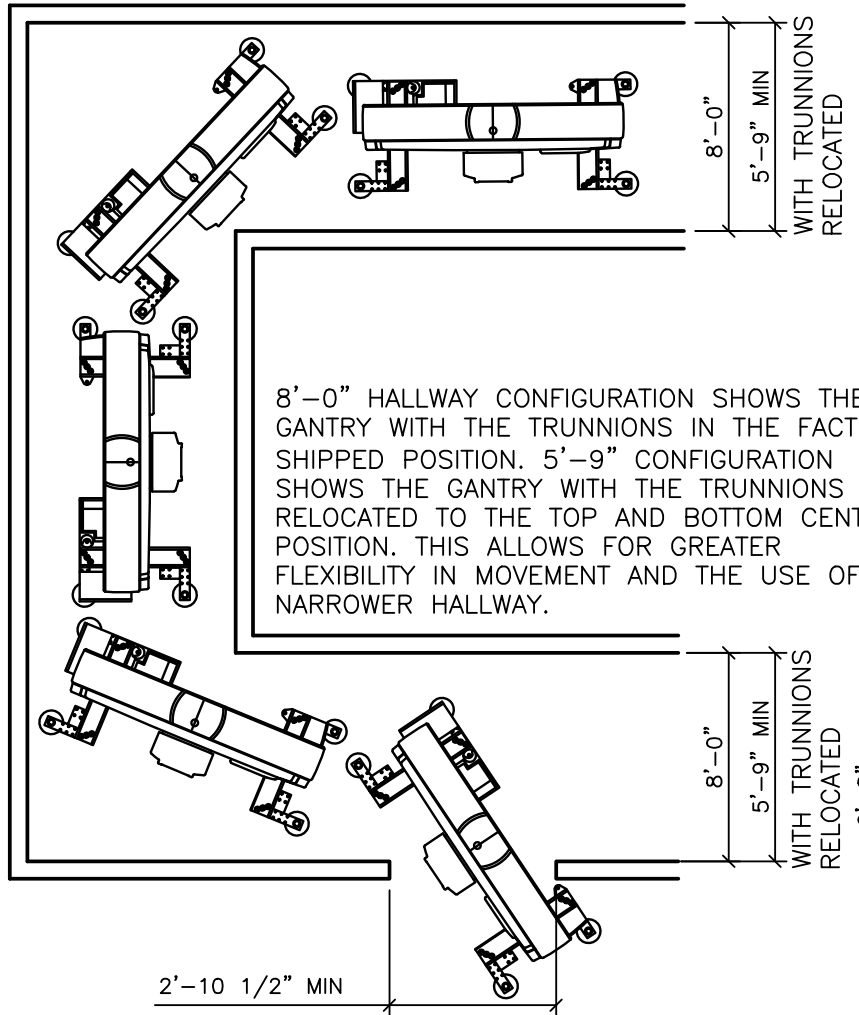
FRONT PHS REQUIRES THE SAME HALLWAY TRANSPORT ROUTE AS THE GANTRY AS SHOWN BELOW.

PLEASE CONSULT PLANNING GUIDE FOR ELEVATOR CLEARANCES FOR GANTRY AND FRONT PHS.

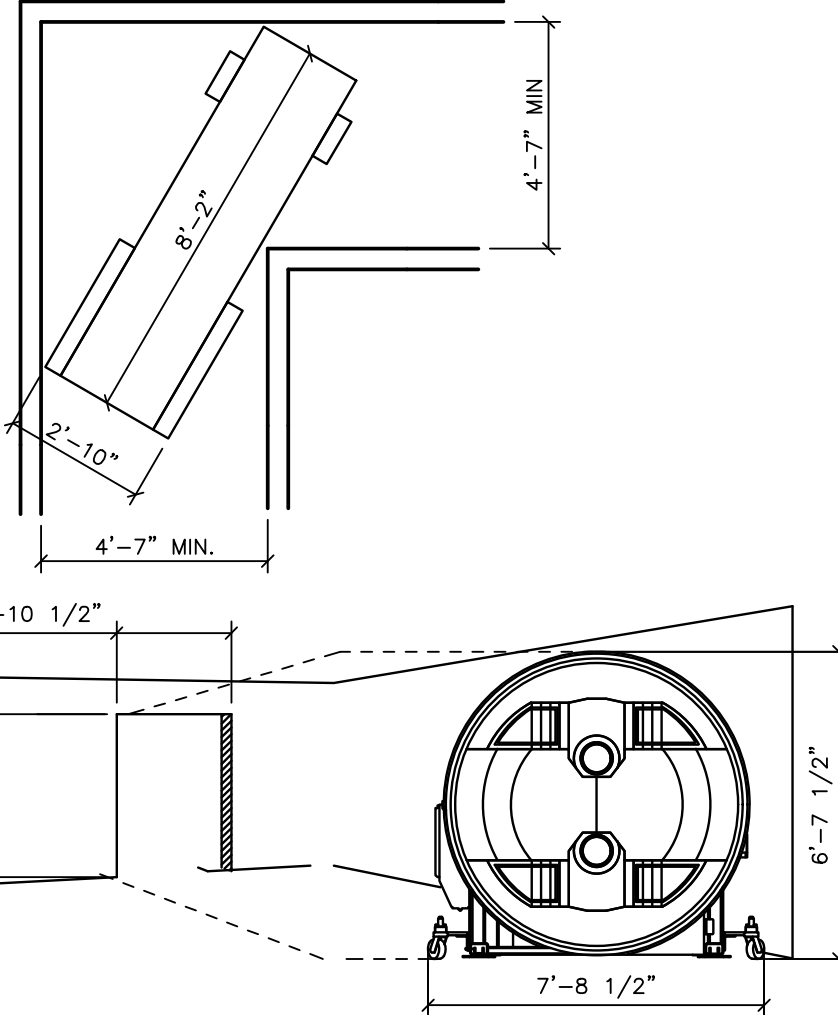
HALLWAY TO DOOR TRANSPORT:
TRANSPORTS MAY HAVE TO BE SWIVELED IN NARROW AREAS. ONCE SYSTEM HAS PASSED THROUGH NARROW AREA, THE TRANSPORT ROLLERS MUST BE SWIVELED OUT AGAIN FOR STABILITY.

TRANSPORTING GANTRY FLOOR LOAD:
ACCESS FLOORS MUST BE LAID OUT TO SUPPORT A LOAD MINIMUM 1296 LBS. DURING TRANSPORT OF THE GANTRY, HIGHER LOADS CAN OCCUR AT INDIVIDUALS POINTS IF THE FLOOR IS NOT LEVEL. COVER THE TRANSPORT PATH WITH SHEET METAL TO DISTRIBUTE THE FLOOR LOAD.

HALLWAY TRANSPORT:



HALLWAY TRANSPORT FOR FRONT PHS:



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.

ENVIRONMENTAL REQUIREMENTS

PLEASE SEE EQUIPMENT LEGEND TO GET SPECIFIC COMPONENT HEAT DISSIPATION.

SCANNER ROOM:
THE SCANNER ROOM SHOULD MAINTAIN BETWEEN 65°F-86°F (± 8°F/HR.) WITH A RELATIVE HUMIDITY OF 20-80%, NON-CONDENSING.

CONTROL ROOM:
THE CONTROL ROOM SHOULD MAINTAIN 75°F (± 8°F/HR.) WITH A RELATIVE HUMIDITY OF 20-80%, NON-CONDENSING.

COMBINED CONTROL AND SCANNER ROOM:
THE COMBINED ROOM AREA SHOULD MAINTAIN BETWEEN 65°F-86°F (± 8°F/HR.) WITH A RELATIVE HUMIDITY OF 20-80%, NON-CONDENSING.

VENTILATION AND AIR FILTERS:
FOR EXTERNAL AIR SUPPLY (FRESH AIR) IT IS RECOMMENDED THAT COURSE FILTERS OF THE CLASS EU3 TO EU4 BE USED ON-SITE TO FILTER OUT DUST PARTICLES >10µm.

THE VENTILATION SHOULD ENSURE THAT AGGRESSIVE POLLUTANTS ARE PREVENTED FROM ENTERING THE ROOM. THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION BY HYDROGEN SULFIDE, EVEN IN SMALL AMOUNTS. THE MOST WELL KNOWN SOURCES OF HYDROGEN SULFIDE INCLUDE: EXHAUST FUMES AND WASTE WATER FROM DEVELOPERS, EXPOSED SEWER DRAINS, EXHAUST FUMES FROM DIESEL POWER UNITS. IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS HAVE TO BE TAKEN E.G.: EXTRACTOR FANS, SIPHON, AND MODIFICATION OF VENTILATION INTAKE.

	Project Milestones To Be Completed Before Equipment Delivery	Reference Sheet
☐	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
☐	>10 mCi Co57 (Cobalt 57) Sheet Source at the time of installation - Source should be no more than 4 months from reference date (the date source was filled)	A-101/A-102
☐	30 mCi Tc99m (Technetium 99)	A-101/A-102
☐	Lead shielding (walls, doors, windows) complete	A-101/A-102
☐	Delivery path verified	A-101/A-102
☐	Climate control functioning 24 hours a day, 7 days a week	A-101/A-102
☐	Casework complete in exam and control rooms	A-101
☐	Ceiling height verified (check min. height)	A-101
☐	All rooms containing Siemens equipment are clean and dust free.	A-101
☐	Network addresses obtained for Siemens Remote Services (SRS)	A-102
☐	Floor levelness verified and within specifications	S-101/S-501
☐	Floor thickness verified and within specifications	S-101/S-501
☐	Power Requirements	E-101/E-102
☐	Cable runs checked to ensure maximum length not exceeded	E-101
☐	Contractor supplied electrical outlets/receptacles, including system connections (208V 30R)	E-101
☐	Cable inlets installed in locations per plans	E-101/E-102
☐	Cable outlets duct and floor openings per plans	E-101/E-102

FINISHED ROOM HEIGHT

SYMBIA SYMBIA EVO AND SYMBIA EVO EXCEL	RECOMMENDED 8'-0" MINIMUM 7'-6" IF DROP CEILING IS AVAILABLE AND MAY PROVIDE 5" ADDITIONAL CLEARANCE TO INSTALL THE GANTRY BOOM.
--	--

—ISSUE BLOCK—

PROJECT MANAGER: FRINI DOMINICI
TEL: (401) 262-7151
EXT: FAX:
EMAIL: FRINI.DOMINICI@SIEMENS-HEALTHINEERS.COM

WEST HAVEN CAMPUS CONNECTICUT VAMC
950 CAMPBELL AVE, WEST HAVEN, CT 06516
G140 — SYMBIA EVO

THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.

SCALE: AS NOTED
REF. #: CPQ-836111/0

PROJECT #: **2313264**
SHEET 1 OF 5
DRAWN BY: B. SILVERIA

SHEET: **A-101**

ARCHITECTURAL NOTES

- ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS HEALTHCARE ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICABILITY OF THE EQUIPMENT BEING PROPOSED. SIEMENS WILL NOT SUBMIT AN EQUIPMENT LAYOUT THAT IS NOT IN THE BEST INTEREST OF BOTH THE CUSTOMER AND SIEMENS. ALL EQUIPMENT LAYOUTS ARE BASED EITHER ON AN ACTUAL SITE SURVEY OR ARCHITECTURAL DRAWINGS SUPPLIED TO SIEMENS. SIEMENS WILL NOT BE RESPONSIBLE FOR ANY ALTERATIONS THAT ENCROACH WITHIN DESIGNATED SAFETY AND SERVICE CLEARANCE ZONES AS INDICATED ON DRAWINGS (I.E., 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 SIEMENS PROJECT MANAGER.
- SIEMENS HEALTHCARE IS NOT AN ARCHITECTURAL OR ENGINEERING FIRM. DRAWINGS SUPPLIED BY SIEMENS 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 INCLUDING OSHA/NEC SAFETY CLEARANCE REQUIREMENTS IN ADDITION TO SIEMENS-REQUIRED SAFETY/SERVICE CLEARANCES SHOWN.
- 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 SIEMENS 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 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.
- SIEMENS HEALTHCARE SHALL BE RESPONSIBLE FOR SIEMENS EQUIPMENT INSTALLATION, CALIBRATION, CONNECTION AND INSTALLATION OF SIEMENS PROVIDED CABLES. THE CUSTOMER/ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR TERMINATIONS OF CUSTOMER/ELECTRICAL CONTRACTOR-SUPPLIED CABLES TO SIEMENS 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 SUPERVISION PROVIDED BY SIEMENS. 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 COORDINATE WITH SIEMENS PROJECT MANAGER THE LOCATIONS AND TRAVEL OF ALL ANCILLARY EQUIPMENT TO BE CEILING OR WALL MOUNTED (I.E., 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 SIEMENS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS.
- CUSTOMER/CONTRACTOR MUST ASSIST SIEMENS INSTALLERS WITH INSTALLATION OF EQUIPMENT ABOVE 14'-0". REFER TO THE ELECTRICAL NOTES ON SIEMENS SHEET E-101 FOR MORE DETAILS.

NOISE LEVEL

SYSTEM COMPONENT	DECIBEL LEVEL (APPROXIMATELY AT 2'-0" DISTANCE)
GANTRY	63.2
PHS	62.1

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.

RESOURCE LIST (SMS USE ONLY)

DESIGNATION	PG NUMBER	DATE
SYMBIA EVO AND SYMBIA EVO EXCEL	M102-001.891.11.06.02	04/23

SYMBIA EVO
REV 14

SIEMENS

WEST HAVEN CAMPUS CONNECTICUT VAMC
950 CAMPBELL AVE, WEST HAVEN, CT 06516
G140 — SYMBIA EVO

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SCALE: AS NOTED
REF. #: CPQ-836111/0

PROJECT #: **2313264**
SHEET 1 OF 5
DRAWN BY: B. SILVERIA

SHEET: **A-101**

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 SPECT 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.

ROOM LIGHTING

NO SUNSHINE DIRECTLY ON THE SYSTEM DUE TO SYSTEM INFRARED SENSITIVE DEVICES. LIGHT FILTERING TO BE APPLIED ON THE WINDOW(S) SUCH AS CURTAINS. DIRECT SUNKIGHT OR INCANDESCENT LIGHTING ON SYSTEM LIMITED TO 800 LUX.

THE FOLLOWING REQUIREMENTS MUST BE MET FOR LIGHTING IN SOME ROOMS WHICH PLAYBACK DEVICE (MONITORS) ARE USED FOR DIAGNOSTICS.

CONTROLLABLE, GLARE FREE, REPRODUCIBLE ADJUSTMENT OF LIGHTING INTENSITY, DIMMER WITH A SCALE
NOT REFLECTION OR GLARE FROM WINDOWS, LIGHTS AND LIGHT BOXES AT THE LOCATION WHERE THE MONITORS ARE NORMALLY USED.

THE FOLLOWING MEASUREMENTS ARE REQUIRED SO THAT MINIMUM REQUIREMENTS FOR THE ACCEPTANCE TEST AND CONSTANCY TEST FOR IMAGE PLAYBACK DEVICES ACCORDING TO DIN 68-68-57 CAN BE ASSURED.

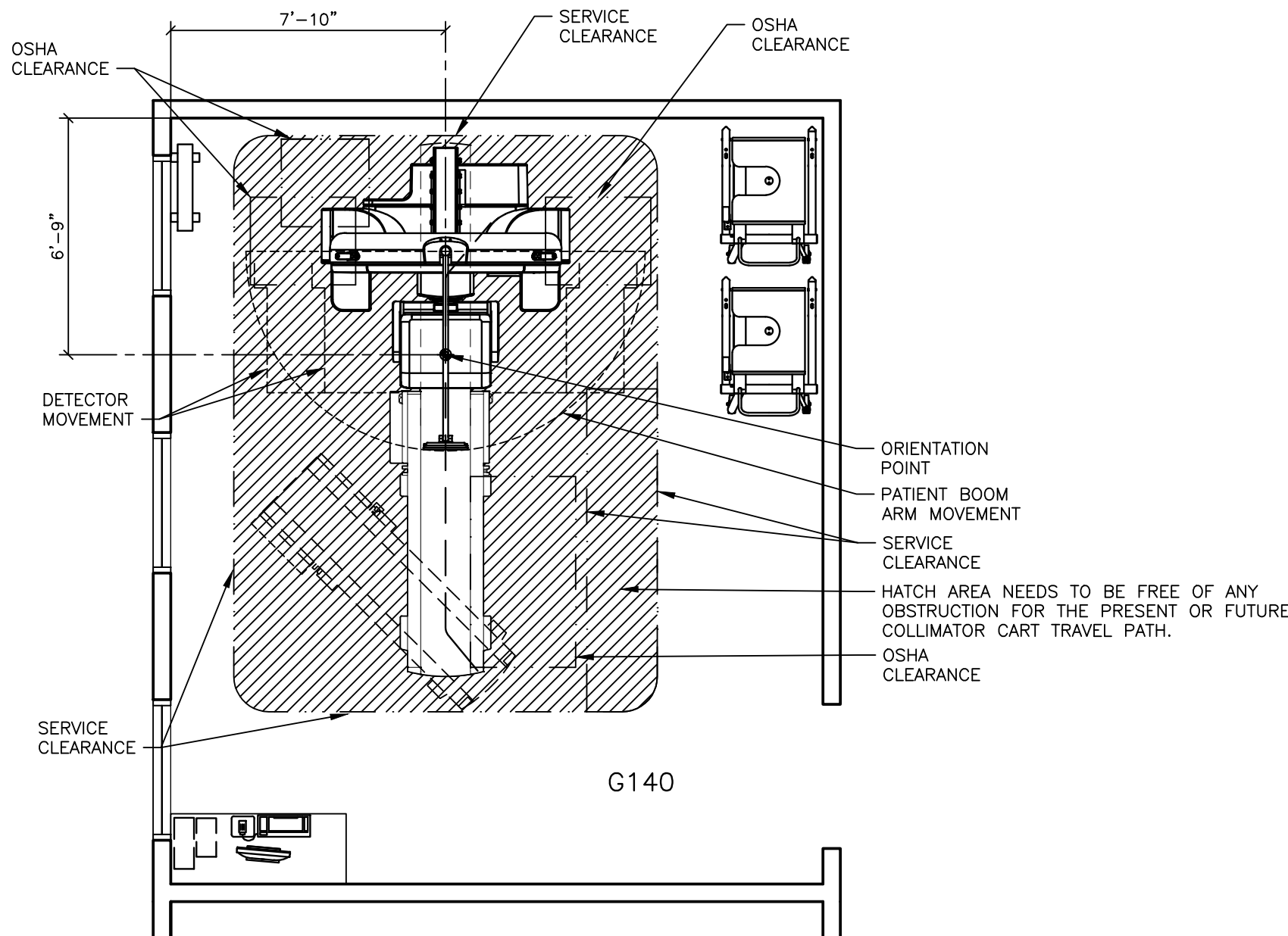
AT THE LOCATION WHERE THE IMAGE PLAYBACK DEVICES ARE NORMALLY USED AND AT WHICH DIAGNOSIS IS MADE, THE VEIL LUMINANCE MUST BE MEASURED USING AN APPROVED LUMINANCE METER. (E.G., MAVOMETER WITH SPOTMETER):

THE ROOM LIGHTING HAS TO BE SET TO THE ORDINARY OPERATING CONDITIONS BY USING DIMMER WITH A SCALE.

THE DIAGNOSTIC MONITOR MUST REMAIN SWITCHED OFF.

THE VEIL LUMINANCE OF THE DIAGNOSTIC MONITOR MUST BE MEASURED, SEE DIN 68 68-57 USING AN APPROVED LUMINANCE METER AT A DISTANCE RECOMMENDED BY THE MANUFACTURER.

HOWEVER, IF THE VEIL LUMINANCE IS HIGHER THAN THIS VALUE, THE OPERATOR AND/OR THE BUILDING ENGINEER MUST BE INFORMED OF THIS IMMEDIATELY SO THAT CORRECTIVE MEASUREMENTS (ADDITIONAL DEFINED LOWERING OF THE LIGHT INTENSITY, DARKENING OF WINDOWS, ETC.) CAN BE UNDERTAKEN IN A TIMELY MANNER.



SAFETY/SERVICE CLEARANCE PLAN

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

FINISHED ROOM HEIGHT

SYMBIA SYMBIA EVO AND SYMBIA EVO EXCEL	RECOMMENDED 8'-0" MINIMUM 7'-6" IF DROP CEILING IS AVAILABLE AND MAY PROVIDE 5" ADDITIONAL CLEARANCE TO INSTALL THE GANTRY BOOM.
--	--

SYMBIA EVO
REV 14

PROJECT MANAGER: FRINI DOMINICI
TEL: (401) 262-7151 EXT:
VMAIL:
FAX:
EMAIL: FRINI.DOMINICI@SIEMENS-HEALTHINEERS.COM

SIEMENS

WEST HAVEN CAMPUS CONNECTICUT VAMC

950 CAMPBELL AVE, WEST HAVEN, CT 06516
G140 - SYMBIA EVO

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PROJECT #:
2313264

SHEET:

A-102

ALL RIGHTS ARE RESERVED.

SHEET 2 OF 5
DRAWN BY: B. SILVERIA

SCALE: AS NOTED
REF. #: CPQ-836111/0

DATE: 01/19/24

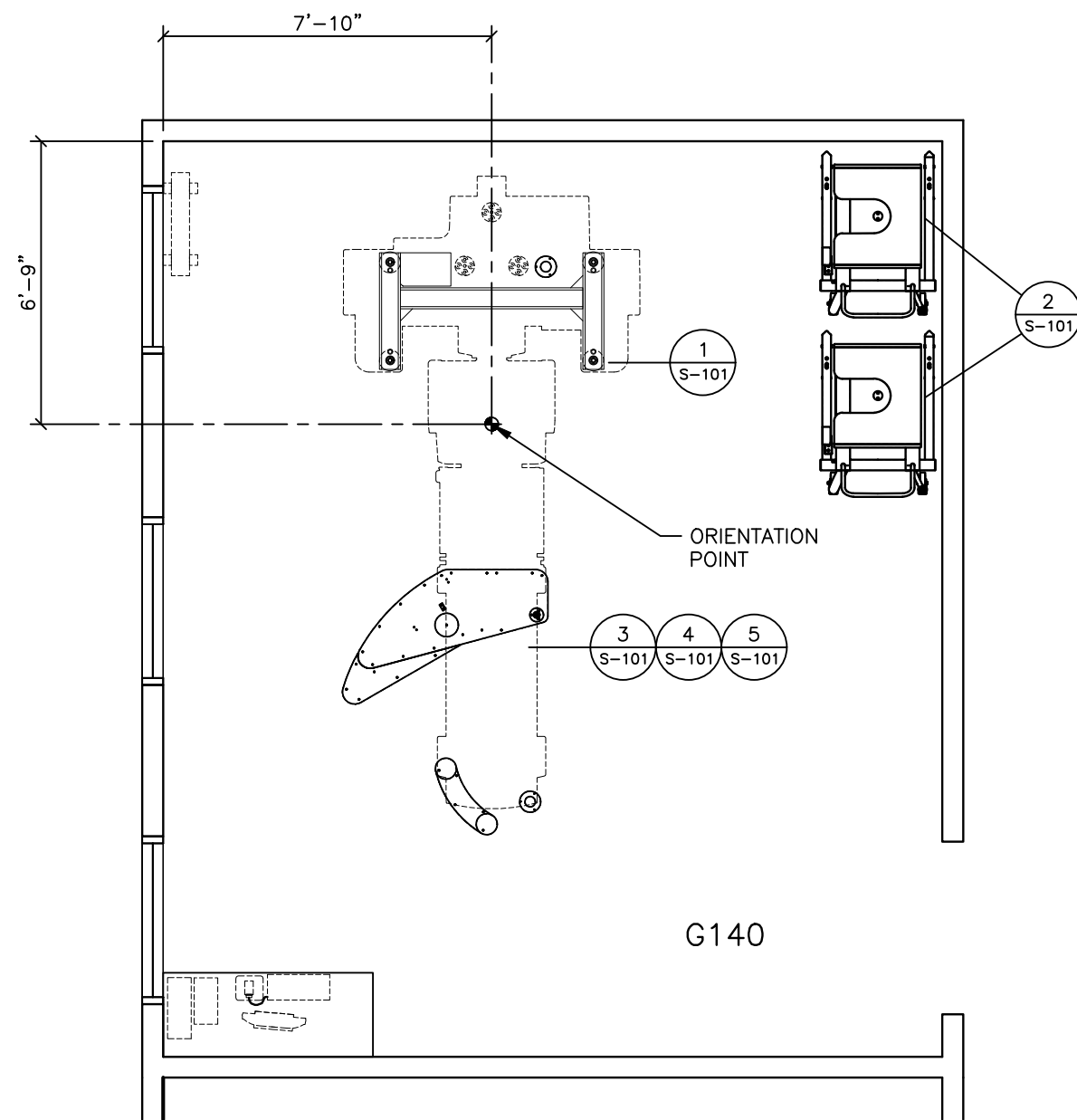
SYM	DATE	DESCRIPTION
△	01/19/24	2313264RA VERSION DATED 09/20/23 APPROVED BY DZL FOR FINALS
-ISSUE BLOCK-		

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.



STRUCTURAL FLOOR PLAN

STRUCTURAL NOTES

- 1) THE CUSTOMER/CONTRACTOR SHALL FURNISH AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF THE SIEMENS EQUIPMENT.
- 2) THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID AND BRACED FOR SWAY.
- 3) ALL STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LEVEL, PARALLEL AND COPLANAR WITH RESPECT TO EACH OTHER, WITH A HORIZONTAL STRUCTURAL SUPPORT MEMBER TO BE LOCATED AND SET WITH A TRANSIT.
- 4) ALL STRUCTURAL SUPPORT DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON TYPICAL AND STANDARD BUILDING PRACTICES AND ARE NOT INTENDED AS ACTUAL CONSTRUCTION DETAILS. ALL CONSTRUCTION DETAILS AND SUPPORT CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE CUSTOMER'S EXPENSE. IN THE EVENT AN EXISTING SUPPORT SYSTEM IS TO BE USED, IT WILL BE THE CUSTOMER'S RESPONSIBILITY TO VERIFY THE INTEGRITY OF THAT SYSTEM.
- 5) MOUNTING PLATES, FRAMES, AND HARDWARE SUPPLIED BY SIEMENS AS DETAILED IN THIS DRAWING SET ARE INSTALLED BY SIEMENS UNLESS OTHERWISE REQUIRED. ANY DEVIATION FROM THE PROVIDED MATERIALS OR MOUNTING METHODS MUST BE DESIGNED AND DOCUMENTED BY THE STRUCTURAL ENGINEER OF RECORD. ALTERNATE MOUNTING MATERIALS (I.E. ANCHORS, THREADED ROD, BACKING PLATES, ETC.) MUST BE SUPPLIED BY THE CUSTOMER/CONTRACTOR. SIEMENS MAY REQUIRE ASSISTANCE FROM THE CUSTOMER/CONTRACTOR WITH INSTALLATION WHEN UTILIZING ALTERNATE MOUNTING MATERIALS.
- 6) ALL CEILING FIXTURES (I.E. AIR SUPPLY GRILLES, AIR RETURN GRILLES, EXHAUST GRILLES, SPRINKLER HEADS, INCANDESCENT AND FLUORESCENT LIGHT FIXTURES, INTERCOM SPEAKERS, MEDICAL GAS COLUMNS, ETC.) SHALL BE INSTALLED FLUSH MOUNTED WITH THE FINISHED CEILING TO PROVIDE FREE AND UNRESTRICTED TRAVEL OF THE SMS CEILING MOUNTED EQUIPMENT.
- 7) THE BOTTOM SIDE OF THE UNISTRUT CEILING GRID AND ANY CEILING MOUNTED SUPPORT PLATES ARE TO BE INSTALLED FLUSH WITH THE FINISHED CEILING. THE CUSTOMER/CONTRACTOR SHALL ALSO PROVIDE COVERSTRIPS FOR THE UNISTRUT.
- 8) THE STRUCTURAL PLANNING AS SHOWN ON THE 1/4" STRUCTURAL PLAN HAS BEEN COORDINATED WITH THE EQUIPMENT LOCATION AS SHOWN ON THE 1/4" EQUIPMENT LAYOUT PLAN. FOR THIS REASON, ANY DEVIATIONS FROM THE STRUCTURAL PLANNING AS SHOWN MUST BE APPROVED BY SMS PLANNING DEPARTMENT.
- 9) THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAIL OF FLOOR, WALL, AND CEILING STRUCTURES IN ACCORDANCE WITH THE STRUCTURAL INFORMATION SHOWN, AND LOCAL GOVERNING BUILDING CODES.
- 10) ALL ANCHORS, SUPPORTS AND BRACES FOR SECURING THE SIEMENS EQUIPMENT ON THE UNDERSIDE OF THE CONCRETE SLAB (WHETHER SUPPLIED BY SIEMENS OR CONTRACTOR) SHALL BE SECURED IN A MANNER TO PREVENT THEM FROM FALLING DURING A DE-INSTALLATION. ALL WORK FOR SECURING THESE MOUNTS SHALL BE BY THE CONTRACTOR.

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 6".
- 2) CONDITIONS OF FLOORING:

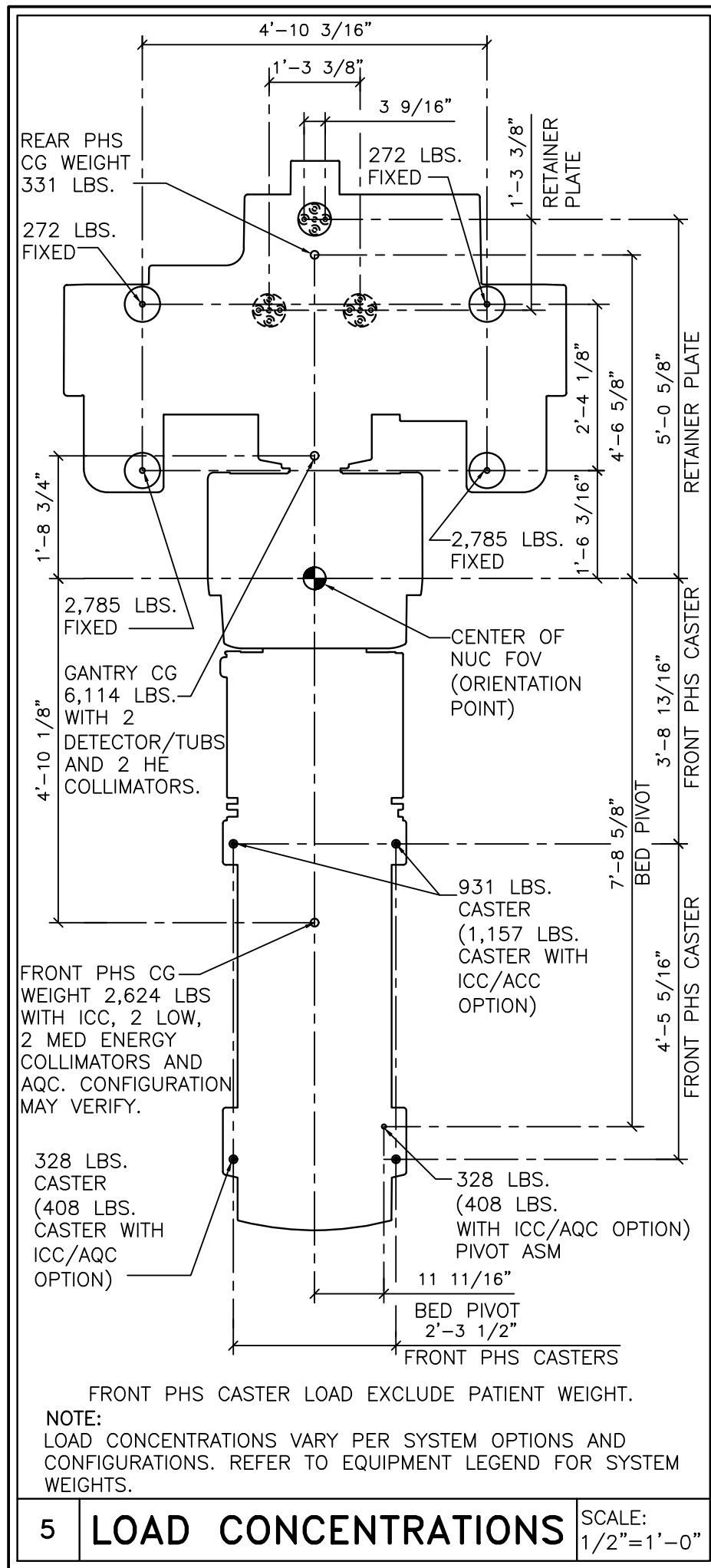
INSTALLATION OF THE GANTRY AND PATIENT TABLE ON:

CONCRETE FLOORING CLASS C20/25 TO C50/60, COMPOSITE FLOORING OR ACCESS FLOOR WITH SUITABLE ON SITE MOUNTING FRAME OR SUB CONSTRUCTION.

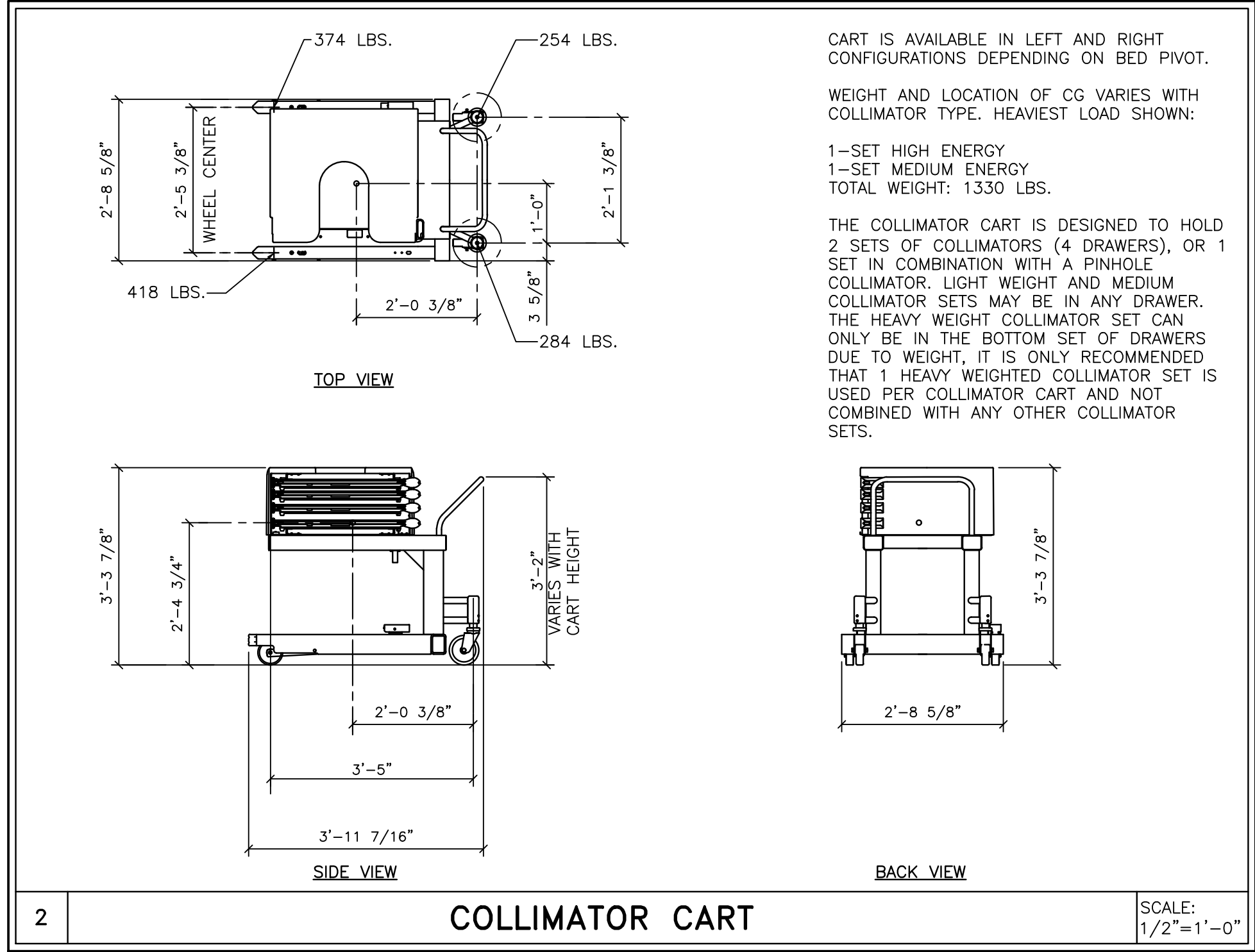
- 3) WEIGHT CAPACITY OF FLOORING SHOULD BE TESTED BY A STRUCTURAL ENGINEER.
- 4) ANY FLOORING OTHER THAN LISTED ABOVE REQUIRES AN ON SITE FRICTION FREE SUB CONSTRUCTION MADE FROM STEEL IN THE AREAS OF SUPPORT. PLEASE CONSULT STRUCTURAL ENGINEER.
- 5) FOR THE MINIMUM EXTRACTION FORCE REFER TO THE ANCHOR REQUIREMENTS DETAIL.

INSTALLATION ON A FLOATING FLOOR WITHOUT SUB-CONSTRUCTION IS PROHIBITED.

- 6) FLOOR LEVELNESS REFER TO THE PREPARATION/PROCEDURE FLOOR LEVELING AND FLATTENING DETAIL.
- 7) EXISTING MOUNTING FRAME ATTACHED TO THE CONCRETE FLOOR WITH SCREWS, HAVE TO BE REMOVED. REWORK THE FLOORING (WITH THE RESPECT TO BEING LEVEL, MATERIAL), IF REQUIRED.
- 8) THE BASE FRAME PLATE-FOOT ARE MOUNTED TO THE FLOOR USING (4) 3/4" X 8" ANCHORS.
- 9) THE MINIMUM REQUIREMENTS FOR COMPRESSIVE STRENGTH FOR THE FLOOR COVERING BASED ON SYMBIA COLLIMATOR CART SHALL BE 375 PSI. THIS IS BASE ON WORSE CASE LOADING WITH 2-HIGH ENERGY AND 2-MEDIUM ENERGY COLLIMATORS PLACED ON THE COLLIMATOR CART.

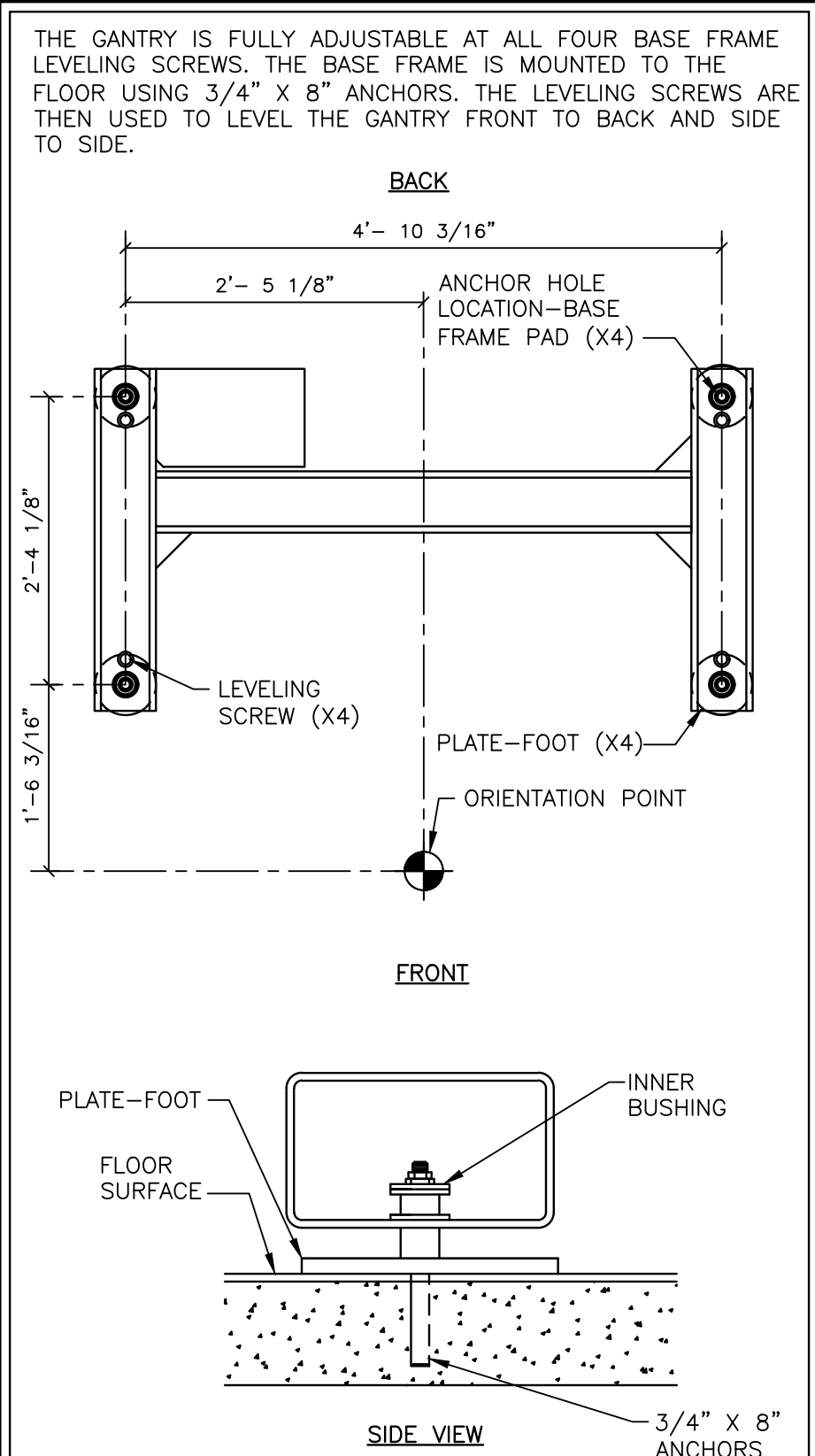


SCALE: 1/4" = 1'-0"



COLLIMATOR CART

SCALE: 1/2"=1'-0"



CONCRETE SLAB MUST BE A MINIMUM OF 6" THICK. DRILL (4) 3/4" HOLES, 8" DEEP FROM THE TOP OF THE INNER BUSHING.

ALTERNATE SOLUTION FOR GANTRY WITH MINIMUM 4" THICK CONCRETE SLAB:

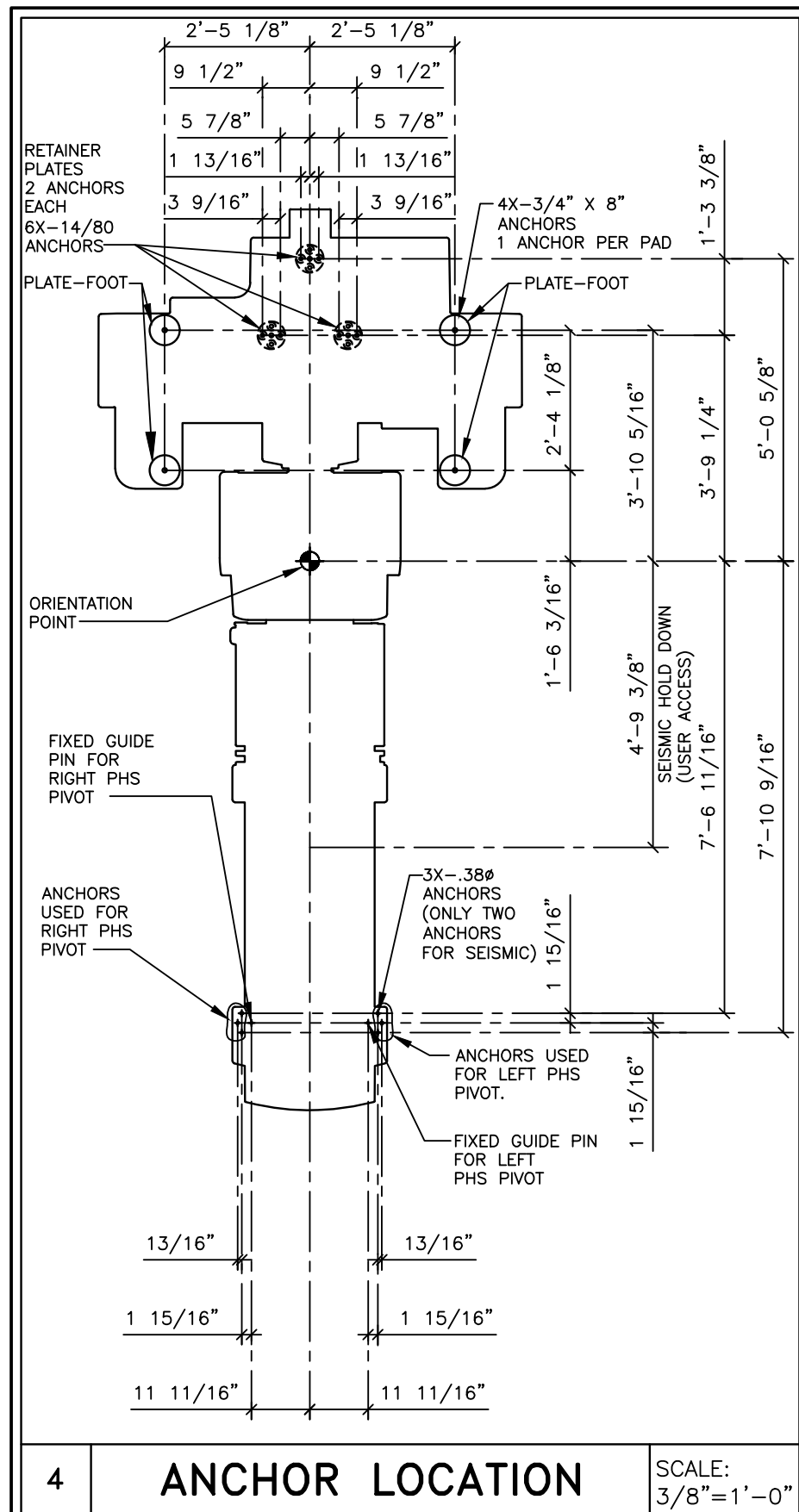
THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING WILL NEED TO APPROVE SITES WITH A MINIMUM 4" THICK CONCRETE SLAB FOR THE GANTRY ONLY, USING HILTI INJECTABLE MORTAR AND HAS-E ANCHORS LIST BELOW.

HILTI HY 200-R INJECTABLE MORTAR
HILTI HAS-E 1/2" X 6.5" ANCHOR ROD AND NUT
13MM HARDENED WASHER

IF THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING APPROVES THESE ANCHORS, INFORM THE MIV TEAM IN ADVANCE AND THEY WILL SUPPLY THE MATERIALS AT THE TIME OF INSTALL.

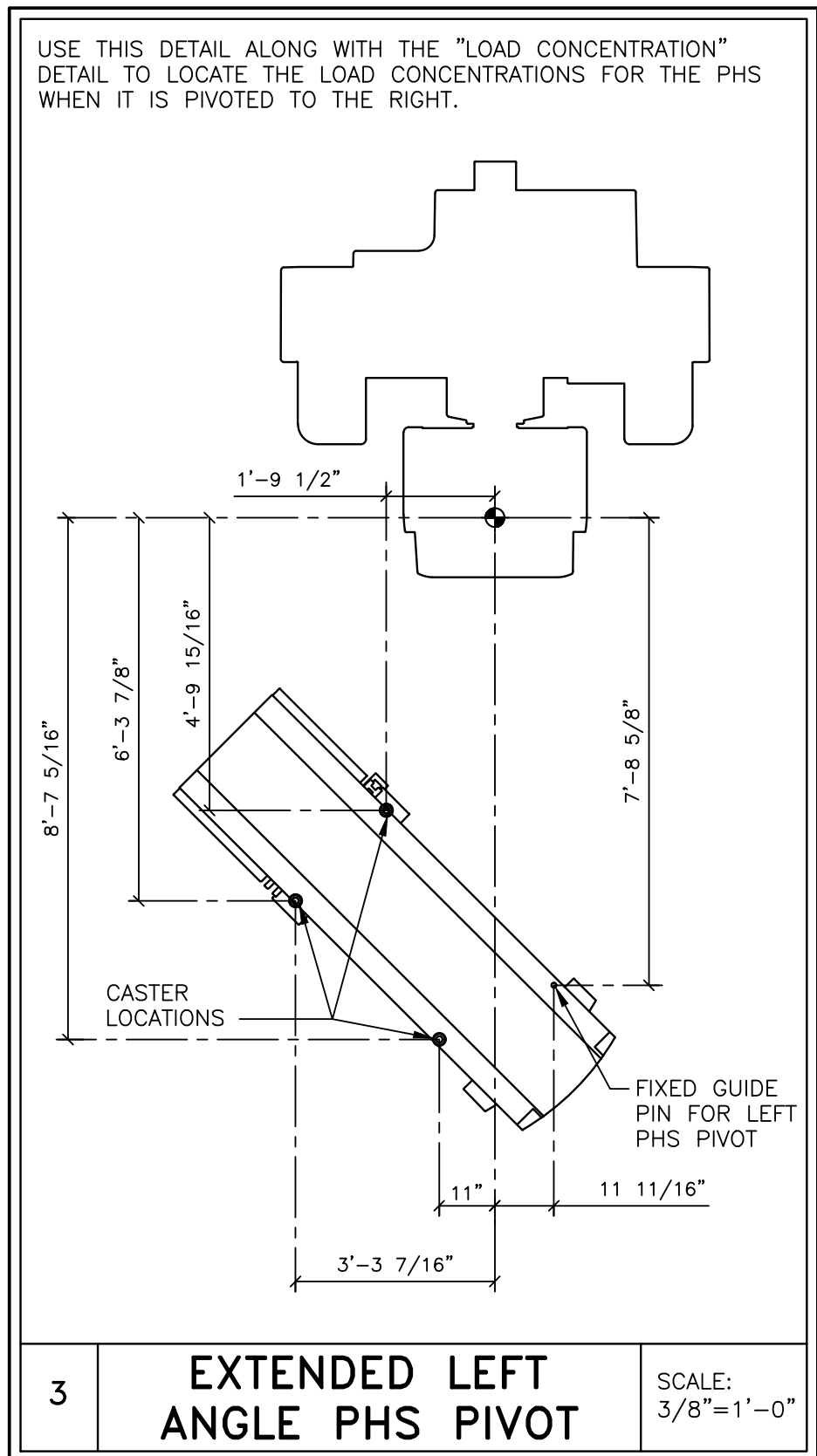
SYMBIA EVO AND EVO EXCEL BASE FRAME

SCALE: NO SCALE



ANCHOR LOCATION

SCALE: 3/8"=1'-0"



EXTENDED LEFT ANGLE PHS PIVOT

SCALE: 3/8"=1'-0"

FINISHED ROOM HEIGHT

SYMBIA SYMBIA EVO AND SYMBIA EVO EXCEL

RECOMMENDED 8'-0"

MINIMUM 7'-6" IF DROP CEILING IS AVAILABLE AND MAY PROVIDE 5" ADDITIONAL CLEARANCE TO INSTALL THE GANTRY BOOM.

SYMBIA EVO REV 14

SIEMENS

PROJECT MANAGER: FRINI DOMINICI
TEL: (401) 262-7151
FAX: EXT:
EMAIL: FRINI.DOMINICI@SIEMENS-HEALTHINEERS.COM

WEST HAVEN CAMPUS CONNECTICUT VAMC

950 CAMPBELL AVE, WEST HAVEN, CT 06516
G140 - SYMBIA EVO

THE USE OR REPRODUCTION OF THIS TITLE BLOCK WITHOUT SIEMENS AUTHORIZATION WILL RESULT IN PROSECUTION UNDER FULL EXTENT OF THE LAW.

SCALE: AS NOTED
REF. #: CPQ-836111/0

PROJECT #:

2313264

SHEET 3 OF 5

DATE: 01/19/24

DRAWN BY: B. SILVERIA

SHEET:

S-101

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.

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-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.

FLOOR AND BUILDING VIBRATIONS

EXTERNAL VIBRATIONS OR SHOCK TRANSMITTED BY THE WALLS OR FLOOR OF THE BUILDING MAY AFFECT THE GANTRY AND DEGRADE IMAGE QUALITY OF THE SYMBIA EVO AND SYMBIA EVO EXCEL. THEREFORE THE GANTRY AND THE PATIENT HANDLING TABLE MUST BE INSTALLED IN AN ENVIRONMENT FREE OF VIBRATIONS. SOURCES THAT PRODUCE VIBRATIONS ARE RAILROADS, SUBWAYS, ROADS, CONSTRUCTION, POWER PLANTS, MINES, FERRY MOORINGS, AND ANY OTHER SOURCE STRIKING VIBRATIONS.

THE SYMBIA EVO AND SYMBIA EVO EXCEL IS NOT SENSITIVE TO COMMON VIBRATIONS. IF THE SYSTEM IS AWAY FROM VIBRATION SOURCES, OR THE SYSTEM IS REPLACING A SYSTEM THAT SO FAR HAS NOT HAD ANY IMAGE QUALITY PROBLEMS DUE TO VIBRATIONS, IT IS USUALLY NOT NECESSARY TO MEASURE VIBRATIONS. IF THERE ARE ANY DOUBTS, THE FOLLOWING THRESHOLDS HAVE TO BE VERIFIED VIA MEASUREMENTS.

IMPULSE LOADS (SYMBIA EVO AND SYMBIA EVO EXCEL):
IN ADDITION TO THE NOMINAL FLOOR LOADING (WEIGHT), THE GANTRY ROTATION GENERATES ADDITIONAL 1,200 LBF IMPULSE LOAD PER FOOT DURING STOP AND SHOOT PROCEDURES.

IT IS THE CUSTOMER/CONTRACTOR RESPONSIBILITY TO CONTRACT A QUALIFIED SPECIALIST. THE SPECIALIST MUST IMPLEMENT SITE MODIFICATIONS TO MEET THE SPECIFIC LIMITS AND TO DESIGN STRUCTURAL SOLUTIONS IN CASE OF DEVIATIONS.

**SYMBIA EVO AND SYMBIA EVO EXCEL:
PERMITTED VIBRATION SENSITIVITY**

VIBRATIONAL SPEED v_{rms}^1 LEVEL OF THE 3rd-OCTAVE BAND	FREQUENCY RANGE ²
25 $\mu m/s$	1 Hz to 120 Hz

¹ ROOT MEAN SQUARE.
² VIBRATIONAL SPEED v_{rms} TRANSFERRED THROUGH THE BUILDING OR THROUGH THE FLOOR TO THE GANTRY MUST NOT BE EXCEEDED IN THE 3 SPATIAL ORIENTATIONS AT THIS FREQUENCY RANGE.

ANCHOR REQUIREMENTS		
THE MINIMUM ALLOWABLE CONCRETE THICKNESS OF THE SCANNER ROOM FLOOR IS 6" IN NON-SEISMIC REGIONS.		
ANCHOR MOUNTING		
LOCATION	ANCHOR CLAMP HEIGHT (INCHES)	ANCHOR CLEARANCE THROUGH HOLE DIAMETER (INCHES)
GENTRY CONCENTRIC FEET	3.29	.88
FRONT PHS	.59	.51
REAR PHS	.20	.71
SEISMIC ANCHORING PROPERTIES		
LOCATION	ANCHOR CLAMP HEIGHT (INCHES)	ANCHOR CLEARANCE THROUGH HOLE DIAMETER (INCHES)
FRONT PHS SEISMIC	.79	.42
REAR PHS SEISMIC	.40	.61
ANCHOR CLAMP HEIGHT IS THE DISTANCE FROM THE FINISHED FLOOR TO THE TOP OF THE FIXTURE BEING CLAMPED.		
ANCHOR STATIC TENSION LOAD – 1)		
LOCATION	FORCE (LBF)	
GENTRY CONCENTRIC FEET	124	
FRONT PHS	606	
REAR PHS	723	
1) TENSION LOAD INCLUDE SAFETY FACTORS AND REPRESENT THE MINIMUM TENSION LOADS REQUIRED BY THE RESPECTIVE, INDIVIDUAL ANCHOR FOR STATIC ENVIRONMENTS. SEISMIC LOADS ARE NOT CONSIDERED, IT IS THE CUSTOMER/CONTRACTOR RESPONSIBILITY TO HAVE A LOCAL STRUCTURAL ENGINEER REVIEW.		

PREPARATION/PROCEDURE FOR FLOOR LEVELING AND FLATTENING

PREPARATION LEVELING AND FLATTENING THE FLOOR AREA

THE SCANNER ROOM FLOOR MUST BE LEVELED AND THE SURFACE MUST BE SMOOTH. ANY DEVIATION IN LEVELS WILL HAVE A DETRIMENTAL EFFECT ON THE PATIENT HANDLING TABLE (PHS) TO THE GANTRY ALIGNMENT WHICH MAY EFFECT COLLIMATOR EXCHANGE.

IT IS RECOMMENDED THAT THE FLOOR IN THE ENTIRE ROOM WILL BE LEVELED AND FLATTENED ACCORDING TO THE SIEMENS SPECIFICATIONS GIVEN BELOW. IT IS IMPERATIVE THAT THE SYSTEM INSTALLATION AREA, AS INDICATE BY THE HATCH AREA BELOW, IS LEVELED AND FLATTENED.

UPON COMPLETION OF THE INSTALLATION FLOOR AREA, VERIFY THE SURFACE FLATNESS, USING A STRAIGHT EDGE 4'-0" IN LENGTH OR LONGER.

RIGHT PATIENT LOAD AREA
15'-2" (182") X 6'-3" (75")

LEFT PATIENT LOAD AREA
15'-2" (182") X 6'-3" (75")

FLOOR LEVELING AREA	15'-2" (182") X 6'-3" (75")
SLOPE	0.25 DEGREES MAXIMUM 0.79" MAXIMUM OVER 182" LENGTH 0.33" MAXIMUM OVER 75" WIDTH
FLATNESS	FLOOR SURFACE SHOULD BE SMOOTH AND HAVE NO MORE THAN 3/16" DEVIATION IN ANY 4'-0" (48") THROUGHOUT THE SYSTEM INSTALLATION AREA.
FLOOR SURFACE	FLOOR SHOULD HAVE ONE SINGLE POURED SURFACE. NO FILL MATERIAL SHOULD BE USED TO COMPENSATE FOR HOLES OR DEPRESSIONS IN THE FLOOR SURFACE.

FLOOR CHECKING PROCEDURE

THIS PROCEDURE PROVIDES DETAILS ON HOW TO VERIFY THAT THE FLOOR IS BOTH FLAT AND LEVEL BEFORE SYSTEM INSTALLATION BEGINS. THIS PROCEDURE SHOULD BE COMPLETE BY THE SIEMENS PROJECT MANAGER AND CUSTOMER/CONTRACTOR. MEASUREMENTS SHOULD BE TAKEN LEFT TO RIGHT OR RIGHT TO LEFT, FRONT TO BACK OR BACK TO FRONT AND DIAGONALLY IN EITHER DIRECTION. REFER TO THE DIAGRAM ABOVE.

SLOPE/FLATNESS - FLOOR SURFACE SHOULD BE SMOOTH AND HAVE NO MORE THEN 3/16" DEVIATION IN ANY 4'-0" (48") SEGMENT IN ENTIRE THE SCANNER ROOM AREA.

IT IS THE CUSTOMER/CONTRACTOR'S RESPONSIBILITY THAT ANY MEASUREMENT OUT OF ACCEPTABLE LIMITS ARE AN INDICATION THAT THE FLOOR NEEDS TO BE LEVELED WITH SOME SORT OF LEVELING COMPOUND.

WHERE THE UNACCEPTABLE DEVIATION EXIST, THE WHOLE (MINIMUM SYSTEM AREA) SHOULD BE RE-SURFACED.

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			PROJECT MANAGER: FRINI DOMINICI TEL: (401) 262-7151 VMAIL: FAX: EMAIL: FRINI.DOMINICI@SIEMENS-HEALTHINEERS.COM		SIEMENS		
			WEST HAVEN CAMPUS CONNECTICUT VAMC 950 CAMPBELL AVE, WEST HAVEN, CT 06516 G140 – SYMBIA EVO				
△	01/19/24	2313264RA VERSION DATED 09/20/23 APPROVED BY DZL FOR FINALS		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 #: 2313264	SHEET: S-501
	SYM	DATE	DESCRIPTION			SHEET OF 4 5 DRAWN BY: B. SILVERIA	
—ISSUE BLOCK—			SCALE: AS NOTED	REF. #: CPQ-836111/0	DATE: 01/19/24		

SYMBIA EVO
REV 14

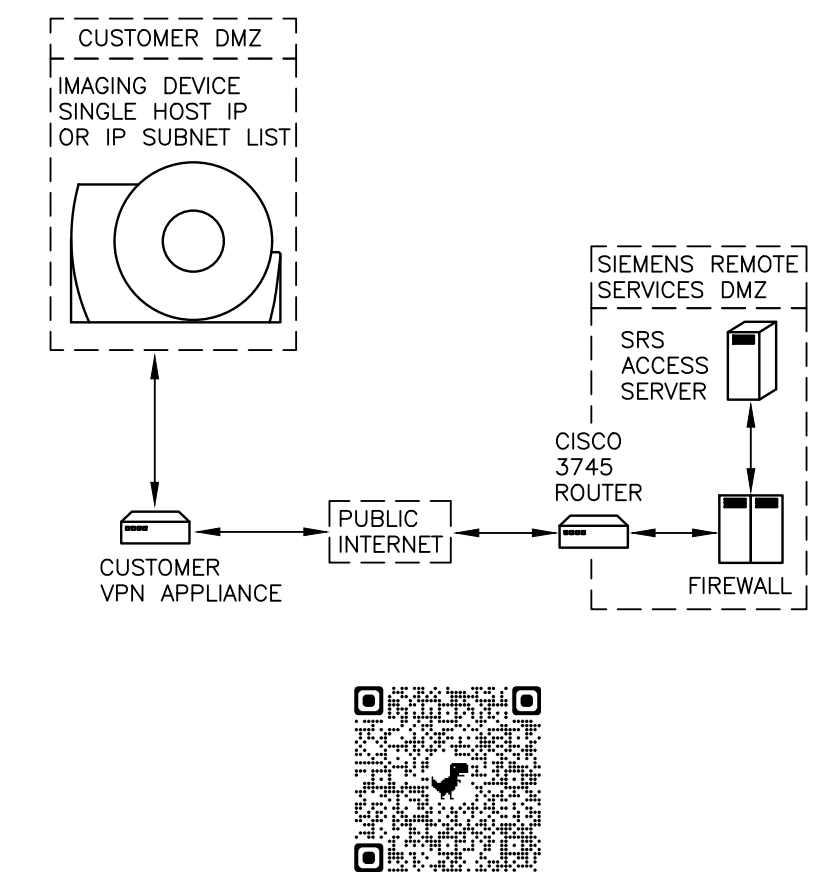
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SIEMENS SMART REMOTE SERVICE

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:

IMCPTSCRS.DL@SIEMENS-HEALTHINEERS.COM.



ELECTRICAL LEGEND

SYM	SIZE	DESCRIPTION	REMARKS
		SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	
(B)	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL 12" ABOVE FINISH FLOOR IN SHOWN LOCATION.	SNAC SYSTEM
(B1)	6" x 6"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION PROVIDED WITH 3"ø OPENING IN FINISHED COVER.	PHS CABLE ACCESS UNDER THE GANTRY
(B2)	6" x 6"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION PROVIDED WITH 3"ø OPENING IN FINISHED COVER.	PHS CABLE ACCESS UNDER THE PHS
(R)	---	208 VAC SINGLE PHASE; 30 AMPS. DEDICATED OUTLET FOR SYMBIA EVO SYSTEM. INSTALL A TWIST-LOCK NEMA L6-30P RECEPTACLE TO RECEIVE L6-30P PLUG FOR INSTALLATION OF THE SIEMENS GANTRY POWER CABLES. LOCATED 12" ABOVE FINISH FLOOR	
(B3)	---	100 VAC TO 120 VAC SINGLE PHASE; 20 AMPS. DEDICATED DOUBLE DUPLEX OUTLET FOR COMPUTERS.	
(R1)	6" x 3 1/2"	ELECTRICAL DUCT THAT RUNS HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN FOR EXCESS CABLE STORAGE.	RACEWAY
(1)	1 1/2"ø	CONDUIT FROM "ACS" TO "B".	MAXIMUM CONDUIT LENGTH 99'-0"
(2)	3"ø	CONDUIT FROM "B1" TO "B2". MINIMUM BENDING RADIUS 4 1/2".	MAXIMUM CONDUIT LENGTH 18'-0"

SIEMENS SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
ACS	1	B	ESTOP CABLE AND SYMBIA EVO SYNGO ACQUISITION WORKPLACE: 300V.	MAXIMUM LENGTH 99'-0"
B1	2	B2	PHS CABLE: POWER CABLE: 300V.	MAXIMUM LENGTH 18'-0"

GROUNDING NOTES

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.
- 7) 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.

POWER REQUIREMENTS

ITEM 1 (R) - 208 VAC SINGLE PHASE; 30 AMPS. DEDICATED OUTLET FOR SYMBIA EVO SYSTEM. INSTALL A TWIST-LOCK NEMA L6-30 R RECEPTACLE TO RECEIVE L6-30P PLUG FOR INSTALLATION OF THE SIEMENS GANTRY POWER CABLES. LOCATED 12" ABOVE FINISHED FLOOR.

ITEM 2 (R1) - 100 VAC TO 120 VAC SINGLE PHASE; 20 AMPS. DEDICATED DOUBLE DUPLEX OUTLET FOR COMPUTERS.

ITEM 2 (R1) - 100 VAC TO 120 VAC SINGLE PHASE; 20 AMPS. DEDICATED DOUBLE DUPLEX OUTLET FOR COMPUTE

NOTE: THE SPECT UPS (OPTION) IS RATED FOR 200-240 VAC INPUT VOLTAGE. THE SPECT UPS AUTO-CONFIGS OUT TO THE SPECT SYSTEM AT 208 VAC.

POWER SUPPLIED FOR SIEMENS MEDICAL SOLUTIONS
EQUIPMENT SHALL BE DEDICATED SERVICES KEPT ENTIRELY
FREE AND INDEPENDENT OF ALL OTHER BUILDING WIRING
EQUIPMENT SUCH AS: ELEVATORS, GENERATORS, PUMPS, AND
SYSTEMS, ETC.

CONDUIT LENGTH CALCULATIONS

IF SITE SPECIFIC CONDITIONS EXCEED THE FOLLOWING ASSUMED VALUES THEN ADDITIONAL LENGTH MUST BE SUBTRACTED BY THE ELECTRICAL CONTRACTOR FROM THE MAXIMUM CONDUIT LENGTHS LISTED.

IF DUCT LOCATIONS ARE ALTERED FROM THE SHOWN LAYOUT IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO RECALCULATE THE MAXIMUM CONDUIT LENGTHS.

ASSUMED VALUES USED IN CALCULATING STATED MAXIMUM
CONDUIT LENGTHS:

VERTICAL DUCTS - 10'-0"
FLOOR PENETRATIONS - 3'-0'

NETWORK COMMUNICATION

SIEMENS IS DEDICATED TO PROVIDING A CYBER SECURE SOLUTION TO OUR CUSTOMERS IN ORDER TO PROTECT HEALTH, INFORMATION AND ENABLE UPTIME FOR SYSTEMS, AS A RESULT, ANY SIEMENS MI SPECT AND SPECT/CT COMPUTERS (IE, E.SOFT WORKSTATION, SYMBIA.NET 1ST USER, SYMBIA.NET SERVER, MIWP, SYMBIA ACQUISITION WORKPLACE, ETC.) RUNNING E.SOFT OR MI APPLICATIONS AND CONNECTED AS NETWORK NODES WILL NEED THEIR USER NAME AND PASSWORD TO BE UPDATED TO MATCH THE LATEST SOFTWARE RELEASE USER NAME AND PASSWORD. THE USER NAME AND PASSWORD WILL NEED TO BE UPDATED PRIOR TO THE NEW SYSTEM INSTALLATION. THE USER NAME AND PASSWORD OF THE CONNECTED NETWORK NODES ARE NOT UPDATED, THE SYSTEMS WILL BECOME LOCKED OUT.

CABLE PROTECTION

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

FINISHED ROOM HEIGHT

SYMBIA SYMBIA EVO AND SYMBIA EVO EXCEL	RECOMMENDED 8'-0" MINIMUM 7'-6" IF DROP CEILING IS AVAILABLE AND MAY PROVIDE 5" ADDITIONAL CLEARANCE TO INSTALL THE GANTRY BOOM.
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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. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL MEET 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 NATIONAL ELECTRICAL CODE. THIS CONTRACT IS NOT TO BE ACCEPTED/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 EXISTING STRUCTURES SHOWING NO SIGNIFICANT DEFECTS. IF ANY SUCH CONDITIONS EXIST OR BE DISCOVERED THAT PREVENT THE INSTALLATION OF WORK AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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 CONDUITS, PULL BOXES, CONDUCITS, CIRCUIT BREAKERS, AND PULL BOXES TO BE INSTALLED BY THE CUSTOMER/CONTRACTOR WITH LOCATIONS BEING FIELD VERIFIED BY THE SIEMENS PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING EQUIPMENT SHALL BE FROM A MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT THAT IS A GROUNDED 3 OR 4-WIRE "VE" SOURCE PER THE SPECIFIC EQUIPMENT OPERATION REQUIREMENTS. A DEDICATED CIRCUIT SHALL BE PROVIDED TO EACH MEDICAL IMAGING PANEL OR BUILDING SERVICE EQUIPMENT. ALL OTHER BUILDING WIRING, NO ELEVATORS, GENERATORS, PUMPS, HVAC OR SIMILAR EQUIPMENT SHALL BE CONNECTED TO THE SAME CIRCUIT OR OTHERWISE BE PROTECTED BY AN OVERCURRENT DEVICE. IF THE POWER SUPPLY SOURCE DOES NOT MEET THE SPECIFIC SIEMENS EQUIPMENT POWER REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE NECESSARY WIRING AND/OR EQUIPMENT TO MEET THE SPECIFIC SIEMENS EQUIPMENT REQUIREMENTS. ACCORDANCE WITH THE REQUIRED POWER SUPPLY PARAMETERS OF THE SIEMENS EQUIPMENT, THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE SIEMENS ENGINEERING DEPARTMENT.
- 3) 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: UNIFORM BARS, UNIFORM CHANNELS, UNIFORM TRAYS, UNIFORM DUCTS, WIRING TROUGH, PULL BOXES, CONDUCITS, 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 ACCORDANCE WITH THE CURRENT ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE.

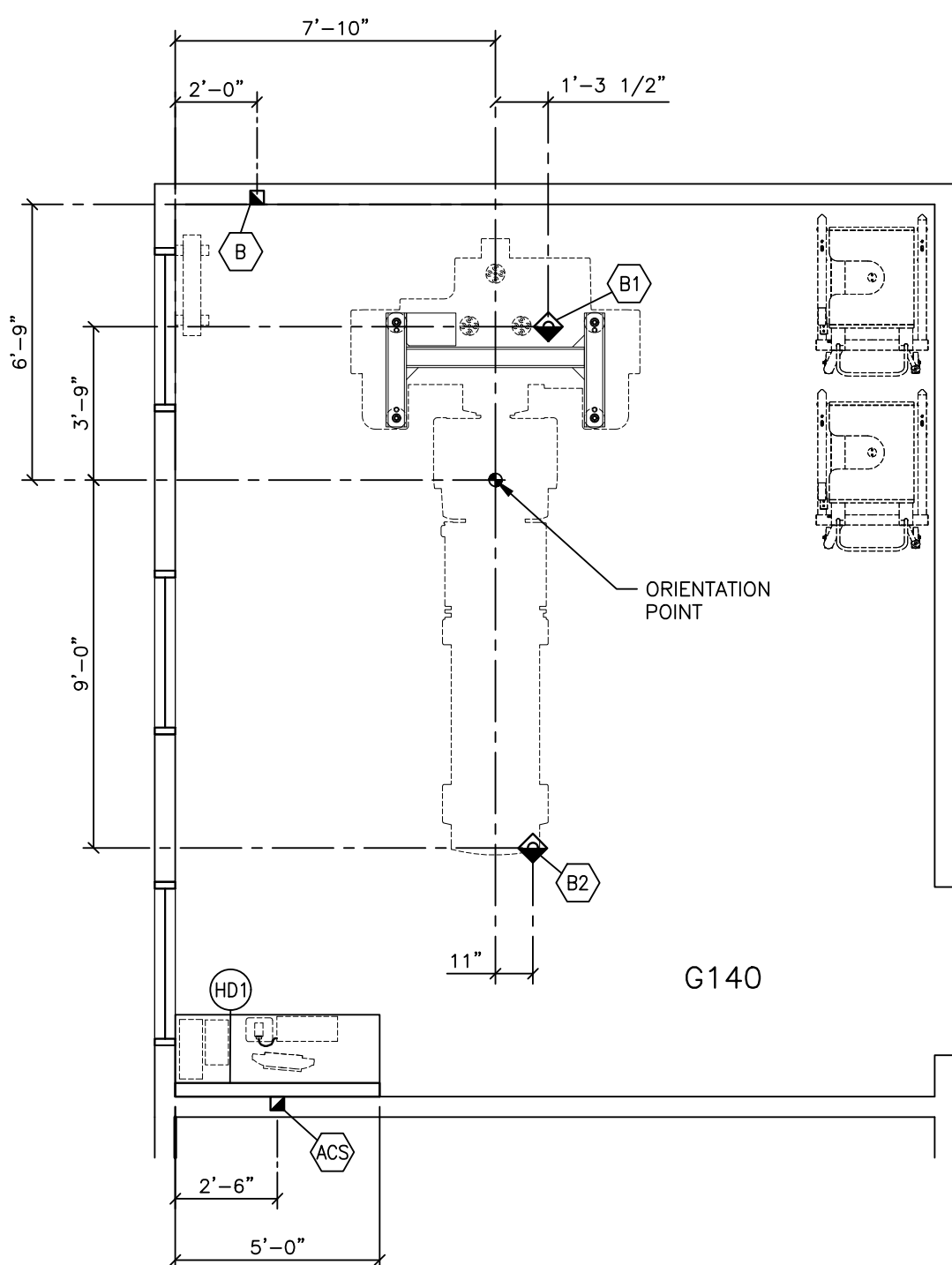
POWER QUALITY

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.

ELECTRICAL RACEWAY PLAN

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



ELECTRICAL DIMENSION PLAN

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

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						WEST HAVEN CAMPUS CONNECTICUT VAMC 950 CAMPBELL AVE, WEST HAVEN, CT 06516 G140 – SYMBIA EVO			
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							SHEET 5 OF 5 DRAWN BY: B. SILVERIA	E-101	
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