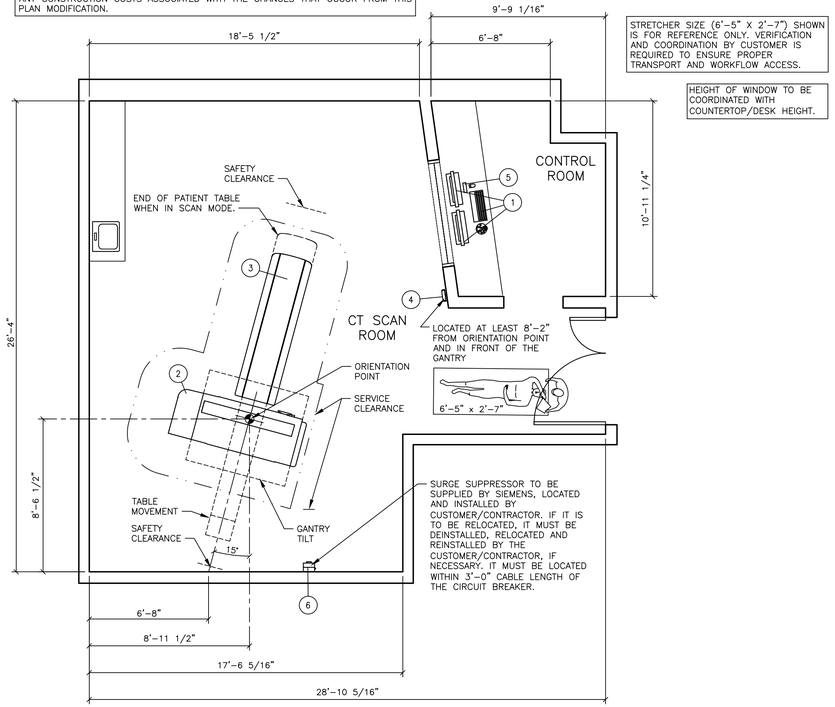
THIS SET OF FINAL DRAWINGS IS REFLECTIVE OF THE LATEST SALES CONFIGURATION. ANY CHANGES TO THIS SALES CONFIGURATION MAY REQUIRE A REVISION TO THIS PROJECT PLAN. IF REQUESTED, SIEMENS WILL PRODUCE A REVISED SET OF FINAL DRAWINGS TO REFLECT THE CHANGES, HOWEVER SIEMENS IS NOT RESPONSIBLE FOR ANY CONSTRUCTION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



ARCHITECTURAL EQUIPMENT PLAN

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

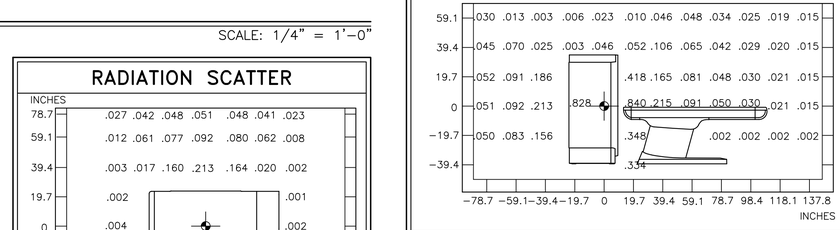
EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES) W	D	H	REMARKS
1	23" FLAT SCREEN WITH DUAL MONITORS, KEYBOARD AND CONTROL DEVICE	(XX)	20	---	22 1/2	9 1/4	19 3/8	
2	SOMATOM GO.TOP GANTRY	(B)	2,855	24,226	87 1/8	32 3/4	73 1/8	
3	PATIENT TABLE – VARIO 2	(XX)	780	1,024	99 13/16	27 3/8	21 13/16	307kg, MAX. HEIGHT 38"
4	WIRELESS ACCESS POINT	(XX)	2.5	---	---	---	---	HEIGHT OFF FF: > 6'-6 3/4"
5	POWER OVER ETHERNET SWITCH	(XX)	–	–	6 7/16	2	1 3/16	
6	EATON SURGE PROTECTIVE DEVICE PANEL	(XX)	13.5	---	7 1/2	6 11/16	12	WALL MOUNTED

PROJECT MILESTONES TO BE COMPLETED BEFORE EQUIPMENT DELIVERY

CHECK STATUS	COMPLETION DATE	MILESTONES	REFERENCE SHEET
		SYSTEM STANDARDS	
		ARCHITECTURAL	
☐		STORAGE AREA AVAILABLE FOR STORING ITEMS DURING INSTALLATION.	A-101/A-102/A-501
☐		DELIVERY PATH VERIFIED. DELIVERY PATH MUST BE APPROVED BY CUSTOMER / SEoR AND DOCUMENTED.	A-101/A-102/A-501
☐		MINIMUM DOOR OPENING.	A-101/A-102/A-501
☐		CLIMATE CONTROL FUNCTIONING 24 HOURS A DAY, 7 DAYS A WEEK.	A-101
☐		CASEWORK COMPLETE IN EXAM AND CONTROL ROOMS.	A-101
☐		ROOM LIGHTING COMPLETE AND FUNCTIONING.	A-101
☐		ALL ROOMS CONTAINING SIEMENS EQUIPMENT ARE CLEAN AND DUST FREE.	A-101
☐		LEAD SHIELDING (WALLS, DOORS, WINDOWS) COMPLETE.	A-101/A-102
☐		NETWORK ADDRESSES OBTAINED FOR SIEMENS REMOTE SERVICES (SRS).	A-102/E-102/E-501
☐		NETWORK DATA DROPS INSTALLED (LANDED AND ACTIVE).	A-102/E-102/E-501
☐		I.P. AND PACS INFORMATION AVAILABLE AND PROVIDED TO SIEMENS REMOTE SERVICE TEAM (SRS).	A-102/E-102/E-501
☐		B2B VPN TUNNEL ESTABLISHED BY SRS TEAM.	A-102/E-102/E-501
☐		NETWORK COORDINATION BETWEEN SITE AND IT SERVICE CONSULTANT COMPLETE.	A-102/E-102/E-501
		STRUCTURAL	
☐		FLOOR THICKNESS VERIFIED AND WITHIN SPECIFICATIONS.	S-101/S-501
☐		FOR ANY OEMS, VERIFY IF BUNDLING WITH SYSTEM DELIVERY OR PRE-DELIVERED/DROP-SHIPPED.	S-101/S-102/S-501
☐		CEILING HEIGHT VERIFIED (CHECK MIN. HEIGHT WITH OPTIONS).	S-102/S-501
☐		FLOOR LEVELNESS VERIFIED AND WITHIN SPECIFICATIONS.	S-101
		ELECTRICAL	
☐		CABLES RUNS CHECKED TO ENSURE MAXIMUM LENGTH IS NOT EXCEEDED.	E-101
☐		ALL CONDUITS, TROUGHS, AND CORE DRILLS ARE OUTSIDE OF THE NO CORE DRILL AREAS.	E-102/E-501
☐		CABLES INLETS INSTALLED AT LOCATIONS PER PLANS.	E-101/E-102
☐		MAIN PANEL AND BREAKERS INSTALLED.	E-101/E-102
☐		CONTRACTOR SUPPLIED ELECTRICAL CABLING AND PIGTAILS INSTALLED.	E-101/E-102
☐		CONTRACTOR SUPPLIED EPOS INSTALLED, TESTED, AND FUNCTIONING.	E-101/E-102/E-501
☐		CONTRACTOR SUPPLIED X-RAY WARNING LIGHT AND WIRING INSTALLED.	E-101/E-102/E-501
☐		CONTRACTOR SUPPLIED DOOR SWITCH AND WIRING INSTALLED (IF APPLICABLE).	E-101/E-102/E-501
		MECHANICAL	
		SYSTEM OPTIONS	
		ACCESSORIES OPTIONS	

RADIATION SCATTER

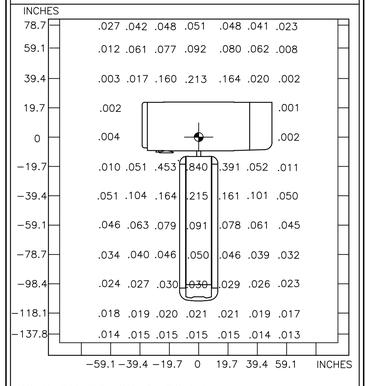


SOMATOM GO.TOP & GO.ALL

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

THE MEASUREMENT WAS TAKEN AT THE MAXIMUM SLICE THICKNESS OF 64 x 0.6 mm LARGE AT 140 kV IN THE VERTICAL PLANE THROUGH THE SYSTEM AXIS. THE PHANTOM USED WAS A CYLINDRICAL PMMA PHANTOM WITH A DIAMETER OF 32 CM AND 15 CM IN LENGTH. THE PHANTOM WAS CENTERED IN THE TOMOGRAPHIC PLANE.

RADIATION SCATTER



SOMATOM GO.TOP & GO.ALL

MEASUREMENT IN uGy/1 mAs SCALE 1/4"=1'-0"

THE MEASUREMENT WAS TAKEN AT THE MAXIMUM SLICE THICKNESS OF 64 x 0.6 mm LARGE AT 140 kV IN THE HORIZONTAL PLANE THROUGH THE SYSTEM AXIS. THE PHANTOM USED WAS A CYLINDRICAL PMMA PHANTOM WITH A DIAMETER OF 32 CM AND 15 CM IN LENGTH. THE PHANTOM WAS CENTERED IN THE TOMOGRAPHIC PLANE.

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY	MINIMUM 6'-10 11/16"
FOR CT GANTRY WITH INJECTOR ARM	MINIMUM 7'-6 9/16"
CAREVISION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET

ARCHITECTURAL NOTES

1) ALL PRELIMINARY EQUIPMENT LAYOUTS SUBMITTED BY SIEMENS HEALTHCARE ARE BASED ON THE RECOMMENDED SPACE NECESSARY FOR THE OPERATION AND SERVICEABILITY 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.
2) 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.
3) THE CUSTOMER IS RESPONSIBLE FOR ALL ROOM AND AREA PREPARATION COSTS, PROFESSIONAL FEES, PERMITS, REPORTS, AND INSPECTION FEES.
4) 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.
5) ALL DIMENSIONS SHOWN ARE FROM FINISHED SURFACES UNLESS SPECIFIED OTHERWISE.
6) THIS DRAWING DOES NOT PROVIDE RADIATION SHIELDING REQUIREMENTS FOR X-RAY AND ASSOCIATED EQUIPMENT. THE CUSTOMER IS RESPONSIBLE FOR CONSULTING WITH A REGISTERED RADIATION PHYSICIST. ACTUAL PROTECTION REQUIREMENTS SHALL BE SPECIFIED BY A REGISTERED RADIATION PHYSICIST AT CUSTOMER'S ENGAGEMENT AND EXPENSE. RESPONSIBILITY FOR ALL INFORMATION AS TO THE ROOM LOCATION, USE, AND NUMBER OF ANTICIPATED EXAMINATIONS TO BE PERFORMED PER TIME PERIOD SHALL BE PROVIDED TO THE PHYSICIST BY THE CUSTOMER. THE CUSTOMER SHALL FURTHER TAKE ALL RESPONSIBILITY IN THE COMMUNICATION AND COORDINATION OF ACTIVITIES OF THE RADIATION PHYSICIST AND THE ARCHITECTURAL REPRESENTATIVE.
7) 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.
8) 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.).
9) THE GENERAL CONTRACTOR/CUSTOMER SHALL BE RESPONSIBLE FOR ALL FINAL PAINT, TOUCH-UP AND ANY COSMETIC OR TRIM WORK WHICH NEEDS TO BE OR IS REQUIRED TO BE COMPLETED AFTER THE INSTALLATION OF THE SIEMENS EQUIPMENT AND ANY ASSOCIATED SUPPORT APPARATUS.
10) 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.

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

PLANNING REQUIREMENTS

EMERGENCY POWER OFF (EPO) BUTTONS ARE REQUIRED IN CONTROL AREA AND AT LEAST ONE LOCATION IN EXAMINATION OR SCAN ROOM.

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

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
SOMATOM GO	C2-081.891.01.21.02	10.25
COMMON CT	CT00-000.891.04.25.02	07.25
COMMON CT OPTIONS	CT00-000.891.03.58.02	07.25

GO-TOP
REV 30

Facility Name: Orlando Health Melbourne Hospital
Project Name: Freestanding ER - Viera
OPC Project #: 23/23960034-19987

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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SYM	DATE	DESCRIPTION
0	02/04/26	R-101RA VERSION DATED 02/04/26 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

PROJECT MANAGER: MIKE ROWAN
TEL: (813) 431-2205
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SIEMENS

ORLANDO HEALTH / MELBOURNE FSED

LAKE ANDREW DRIVE, MELBOUNE, FL 32940
CT SCAN ROOM - SOMATOM GO-TOP

PROJECT #: 2610370

SHEET 1 OF 6

DRAWN BY: T. KELLEY

SCALE: AS NOTED

REF. #: CPQ-1648726/D

DATE: T. KELLEY

SHEET: A-101

TRANSPORT AND DELIVERY

PACKAGING INFORMATION

COMPONENT	WIDTH	DEPTH	HEIGHT	WEIGHT (WITH TRANSPORT ADAPTERS)	COMPONENT	WIDTH	DEPTH	HEIGHT	WEIGHT
CT GANTRY CRATE	93"	42 1/8"	85 7/16"	3,545 LBS.	CT UPS ONLY	24 5/8"	20 11/16"	9 3/16"	60 LBS.
CT TABLE CRATE	101 3/8"	32 7/16"	59 3/4"	1,305 LBS.					

SPECIAL NOTES

1. FLOOR LOADING DURING GANTRY TRANSPORT: THE MAXIMUM POSSIBLE FLOOR LOAD (TWO POINT LOAD) PER ROLLER MAY BE REACHED DURING TRANSPORT. IF NECESSARY, COVER THE TRANSPORT ROUTE WITH METAL SHEETS TO DISTRIBUTE THE LOAD.

2. TRANSPORT THROUGH A NARROW ENTRANCE: THE GANTRY CAN BE MOVED THROUGH ENTRANCES AS NARROW AS 3'–3 3/8" WHEN THE TRANSPORT ADAPTER IS PARTIALLY REMOVED BUT WITH SUCH A NARROW PASSAGE, SEVERAL COVERS NEED TO BE REMOVED AS WELL. IN SUCH CASES, IT IS ALSO RECOMMENDED TO ARRANGE FOR MORE HELPERS AND OBSERVERS TO MONITOR THE SPACE AROUND THE GANTRY.

3. REDUCING THE GANTRY WEIGHT: IN SPECIAL CASES THE GANTRY WEIGHT MUST BE REDUCED BY A FEW POUNDS, E.G. TO USE A FREIGHT ELEVATOR WITH A LIMITED FREIGHT LOAD. THIS CAN BE DONE BY REMOVING CERTAIN PARTS OF THE GANTRY COVERS AS SHOWN IN THE TABLE. NOTE: A SERVICE ENGINEER IS REQUIRED FOR DISASSEMBLY AND REASSEMBLY. STORE THE REMOVED COVERS CAREFULLY AT A SAFE LOCATION TO AVOID DAMAGE DURING TRANSPORT OF THE GANTRY.
THE FOLLOWING LIST SHOWS THE WEIGHT OF THE REMOVABLE COVERS: FRONT COVERS: 77 LBS. REAR COVERS: 73 LBS. SIDE COVERS: 31 LBS.

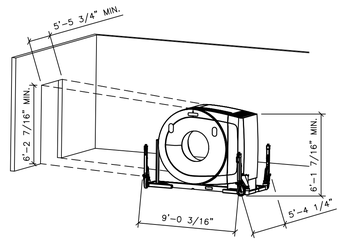
TRANSPORT INFORMATION

TOTAL GANTRY TRANSPORT WEIGHT: 3,272 LBS.

GANTRY WITHOUT TRANSPORT DEVICE: 2,855 LBS.
TRANSPORT DEVICE: 417 LBS.

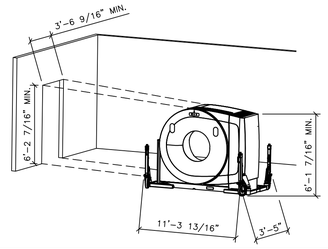
NORMAL TRANSPORT REQUIREMENTS:

DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY AS SHOWN BELOW. THE MAXIMUM WIDTH IS 5'–4 1/4" AND THE MAX. LENGTH IS 9'–0 3/16" WHEN CASTERS ARE SWIVELED OUT.

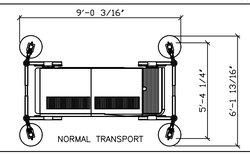


NARROW SPACE TRANSPORT REQUIREMENTS:

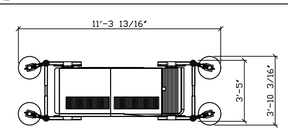
WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE OR DOORWAY, THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN BELOW. THE MAXIMUM WIDTH IS 3'–5" AND MAXIMUM LENGTH IS 11'–3 13/16".



TRANSPORT DEVICE



NORMAL TRANSPORT



NARROW TRANSPORT

ENVIRONMENTAL CONDITIONS

AIR TEMPERATURE	MINIMUM 64.4°F TO 86°F MAXIMUM
RELATIVE HUMIDITY	20% TO 75%
ABSOLUTE HUMIDITY	MAXIMUM 30 G/M^3 (NO CONDENSATION AT ANY TIME)
TEMPERATURE GRADIENT	MAXIMUM 6 KELVIN PER HOUR
BAROMETRIC PRESSURE	11.6 TO 15.4 PSI
INSTALLATION ALTITUDE	MAXIMUM 6562 FT. A.S.L

AIR QUALITY

EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS MERV 8 TO FILTER DUST PARTICLES >10 µm.

THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION BY HYDROGEN SULPHIDE, EVEN IN SMALL AMOUNTS. IF A DANGER OF SUCH CONTAMINATION EXISTS, CORRECTIVE ACTIONS HAVE TO BE TAKEN. E.G., EXTRACTOR FANS, SIPHON, MODIFICATION OF VENTILATION INTAKE, ETC.

NO SUNSHINE DIRECTLY ON GANTRY, INSULATION HAS TO BE APPLIED TO WINDOW (EX. CURTAIN)

OZONE STERILIZERS

OZONE STERILIZERS SHOULD NOT BE PLANNED OR OPERATED WITH A CT SCANNER IN THE SAME ROOM. IF THE CUSTOMER USES OZONE STERILIZERS IN THE SCANNER ROOM, IT MAY REDUCE THE LIFETIME OF VARIOUS CT COMPONENTS.

REFERENCE DOCUMENT - NOT FOR CONSTRUCTION

GO–TOP
REV 30

Facility Name: Orlando Health Melbourne Hospital
Project Name: Freestanding ER - Viera
OPC Project #: 23/23960034-19987

ATTENTION:

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SYM	DATE	DESCRIPTION
0	02/04/26	R-1019A VERSION DATED 02/04/26 APPROVED BY CUSTOMER FOR FINALS

–ISSUE BLOCK–

PROJECT MANAGER: MIKE ROWAN
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SIEMENS

ORLANDO HEALTH / MELBOURNE FSED

LAKE ANDREW DRIVE, MELBOUNE, FL 32940
CT SCAN ROOM – SOMATOM GO–TOP

PROJECT #: 2610370

SHEET: A-501

SHEET OF 2 6

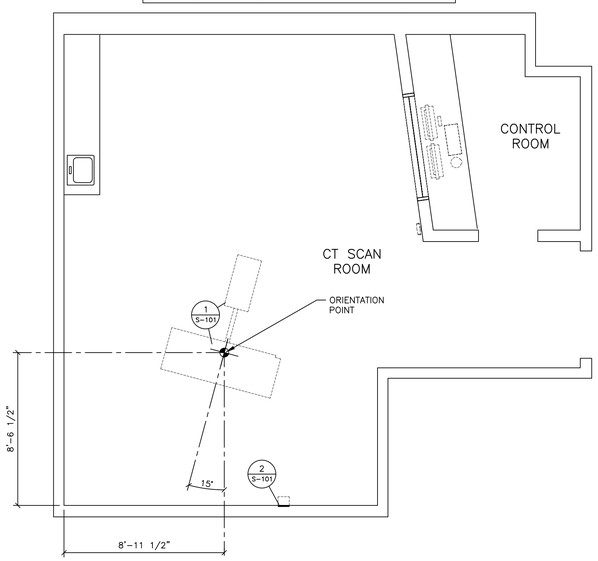
DRAWN BY: T. KELLEY

SCALE: AS NOTED

REF. #: CPQ–1648726/D

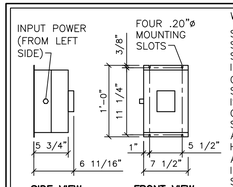
DATE: T. KELLEY

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



STRUCTURAL FLOOR PLAN

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



WEIGHT: 13.5 LBS.

SURGE SUPPRESSOR, SUPPLIED BY SIEMENS AND INSTALLED BY THE CUSTOMER/CONTRACTOR. SURGE SUPPRESSOR IS WALL MOUNTED, CONTRACTOR TO SUPPLY BACKING AND MOUNTING HARDWARE. MAINTAIN A MINIMUM OF 36" IN FRONT OF SURGE SUPPRESSOR FOR SERVICE.

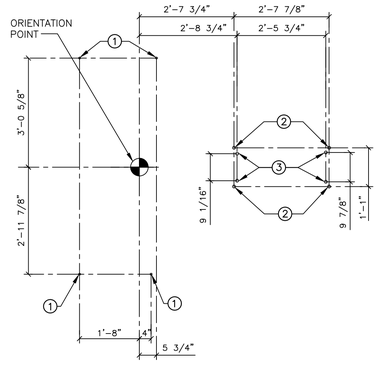
PARALLEL SURGE SUPPRESSOR UNIT MUST BE LOCATED WITHIN 3 FEET CABLE RUN FROM CIRCUIT BREAKER.

EATON SPD

2	SURGE SUPPRESSOR	SCALE: NONE

THE GANTRY AND PATIENT TABLE ARE SUPPLIED AND INSTALLED BY SIEMENS.

THE CONCRETE FLOOR MUST BE LEVEL WITHIN 3/8" (10mm) MAXIMUM DEVIATION IN THE AREA AROUND THE BASE OF THE GANTRY AND THE BASE OF THE PATIENT TABLE.



① (4) 5/8"ø HOLES THROUGH THE ADJUSTABLE FEET TO MOUNT THE GANTRY TO THE FLOOR IF REQUIRED, EX. EARTHQUAKE ZONES.

② (4) 1"ø HOLES THROUGH FLOOR PLATE TO MOUNT THE PATIENT TABLE TO THE FLOOR.

③ (4) 1"ø ALTERNATE MOUNTING HOLES.

MAXIMUM POSSIBLE EXTRACTION FORCE AT THESE POINTS IS 3776 POUNDS. (INCLUDES SAFETY-FACTOR 4).

FLOOR SURFACE REQUIREMENTS

THE GANTRY AND PATIENT TABLE MUST BE INSTALLED ON THE SAME PLANE. IT IS THE CUSTOMER'S RESPONSIBILITY TO MEET FLOOR LEVELNESS SPECIFICATIONS AS OUTLINED IN THIS DETAIL. THE GANTRY AND PATIENT TABLE MUST BE PLACED DIRECTLY ON THE CONCRETE FLOOR. EXISTING FLOOR COVERING IN THE AREA OF THE INSTALLATION SUPPORT SURFACE AND ATTACHMENT POINTS OF THE GANTRY AND THE ENTIRE FOOTPRINT AREA OF THE PATIENT TABLE BASE MUST BE REMOVED AND REPLACED WITH SHIMS OF THE APPROPRIATE THICKNESS. ANTI-STATIC FLOORING IS RECOMMENDED IN THE EXAMINATION ROOM. THE GANTRY AND PATIENT TABLE RESTS ON ADJUSTABLE FEET AND ANY LEVELING IS DONE WITH THE ADJUSTABLE FEET.

BOLTING REQUIREMENTS

THE WEIGHT CAPACITY OF THE FLOOR MUST BE EVALUATED BY A STRUCTURAL ENGINEER. BOLTING THE GANTRY TO THE FLOOR IS ONLY NECESSARY WHEN LOCAL OR NATIONAL REGULATIONS REQUIRE IT (EXAMPLE: EARTHQUAKE ZONES). BOLT THE GANTRY TO THE FLOOR USING ANCHORS THROUGH THE ADJUSTABLE FEET. MATERIALS FOR BOLTING MUST BE SUPPLIED ON-SITE.

THE PATIENT TABLE MUST ALWAYS BE BOLTED TO THE FLOOR THROUGH THE ATTACHMENT POINTS IN THE TABLE PEDESTAL. A DRILLING TEMPLATE AND ALL INSTALLATION MATERIALS ARE INCLUDED IN THE DELIVERY FOR STANDARD ANCHORING. MIN. CONCRETE THICKNESS 5 1/2". DRILL AND TOOLS TO BE AVAILABLE ON-SITE. THE MINIMUM EXTRACTION FORCE OF 944 POUNDS PER ATTACHMENT POINT IS REQUIRED.

THE FOLLOWING APPROVED CHEMICAL ANCHORS MAY BE USED WHEN STANDARD ANCHORS ARE NOT POSSIBLE. TO BE SUPPLIED BY THE MIV:

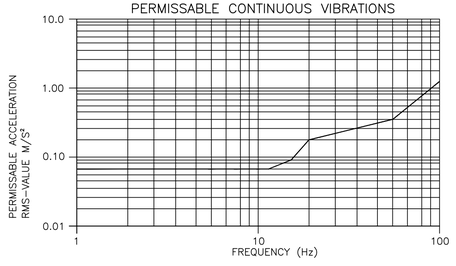
1. HILTI INJECTABLE ADHESIVE ANCHOR: HIT-RE 500-V3 HARDENING TIME AT TEMP. FROM 68°-75° - 7 HOURS
2. HILTI INJECTABLE ADHESIVE ANCHOR: HIT-HY 200-A HARDENING TIME AT TEMP. FROM 70°-86° - 30 MIN.
3. HILTI INTERNALLY THREADED INSERT: HIS-N M10X110 USE THIS SIZE WHEN REPLACING AN ANCHOR. MIN. CONCRETE THICKNESS: 6"

IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER TO DETERMINE THE ANCHORING DEPTH AND CONCRETE STRENGTH NEEDED TO INSTALL THE TABLE BASE WITH THE SIEMENS SUPPLIED ANCHORS OR EQUIVALENT ANCHORS (MAX. ANCHOR DIAMETER TO BE 5/8") SPECIFIED BY THE STRUCTURAL ENGINEER AND SUPPLIED BY THE CUSTOMER/ CONTRACTOR.

1	GANTRY AND PATIENT TABLE MOUNTING DETAIL	SCALE: 1/2"=1'-0"

FLOOR AND BUILDING VIBRATIONS

PERMISSABLE CONTINUOUS VIBRATIONS



TRANSIENT VIBRATIONS (SHOCKS)

ANY TRANSIENT VIBRATION HAS TO BE LESS THAN 0.5 M/S² PEAK-TO-PEAK IN THE TIME DOMAIN. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz.

THE CT SYSTEM IS NOT SENSITIVE TO COMMON VIBRATIONS. IF THE CT IS AWAY FROM VIBRATIONAL SOURCES OR THE CT IS REPLACING A CT SYSTEM, THAT TO DATE, HAS NOT SHOWN IMAGE QUALITY PROBLEMS DUE TO VIBRATIONS, IT IS USUALLY NOT NECESSARY TO EXECUTE VIBRATIONAL MEASUREMENTS. IF THERE ARE ANY DOUBTS, THE FOLLOWING THRESHOLDS HAVE TO BE VERIFIED BY MEASUREMENT:
IN THE THREE SPATIAL DIRECTIONS, ACCELERATION IN VIBRATIONS AT THE MOUNTING POINTS OF THE GANTRY AND THE PATIENT TABLE MUST NOT EXCEED THE THRESHOLDS AS DESCRIBED HERE.

THE THRESHOLD IS DEFINED AS ACCELERATION RMS VALUE (ROOT MEAN SQUARE) IN M/S² OF AN FFT SPECTRUM DERIVED WITH A FREQUENCY RESOLUTION OF 1 Hz AND USING A HANNING-WINDOW. THE VIBRATIONS HAVE TO BE MEASURED WITH A SAMPLING RATE OF 1000Hz USING AN ANTI-ALIASING-FILTER WITH A LIMIT FREQUENCY OF 250Hz. THE THRESHOLD IS VALID FOR VIBRATIONS AT THE INSTALLATION LOCATION WITH A CT IN POSITION. MEASUREMENTS MUST BE TAKEN PRIOR TO THE INSTALLATION OF THE CT, THEREFORE CHANGES IN THE EIGENFREQUENCY OF THE SLAB CAUSED BY THE ADDITIONAL MASS OF THE CT MUST BE CONSIDERED WHEN COMPARING THE FREQUENCY SPECTRUM WITH THE THRESHOLD.

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.

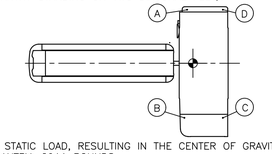
FLOOR LOADING

DESCRIPTION	
F STAT MAX	STATIC FLOOR LOAD DUE TO GANTRY'S OWN WEIGHT
AMPLITUDE F DYN	DIFFERENCE BETWEEN MINIMUM AND MAXIMUM FLOOR LOADING DURING GANTRY ROTATION

TABLE OF PARAMETERS

GANTRY MEASUREMENT POINTS	F STAT MAX (POUNDS)	AMPLITUDE FOR F DYN (POUNDS)	SUPPORT SURFACE	DIAMETER
(A)	598	+/- 67	2 1/2 IN²	2 1/8 IN
(B)	710	+/- 67		
(C)	996	+/- 67		
(D)	607	+/- 67		

THE FLOOR STRUCTURE MUST WITHSTAND THE OCCUPIED WEIGHT OF THE GANTRY AND THE INDIVIDUAL CONTACT LOADING AREA. DURING GANTRY INSTALLATION AND LEVELING, THE MAXIMUM POSSIBLE LOAD ON ONE GANTRY FOOT IS 1745 POUNDS (WITH THE GANTRY STANDING ON TWO DIAGONAL FEET).



TOTAL STATIC LOAD, RESULTING IN THE CENTER OF GRAVITY OF THE GANTRY: 2911 POUNDS.

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY	MINIMUM 6'-10 11/16"
FOR CT GANTRY WITH INJECTOR ARM	MINIMUM 7'-6 9/16"
CAREVISION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET

SYM	DATE	DESCRIPTION
0	02/04/26	R-1019A VERSION DATED 02/04/26 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

GO-TOP REV 30

PROJECT MANAGER: MIKE ROWAN
TEL: (813) 431-2205 EXT:
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EMAIL: MIKE.ROWAN@SIEMENS-HEALTHINEERS.COM

SIEMENS

ORLANDO HEALTH / MELBOURNE FSED

LAKE ANDREW DRIVE, MELBOUNE, FL 32940
CT SCAN ROOM - SOMATOM GO-TOP

PROJECT #: 2610370

SHEET: S-101

SHEET 3 OF 6

DRAWN BY: T. KELLEY

SCALE: AS NOTED

REF. #: CPQ-1648726/0

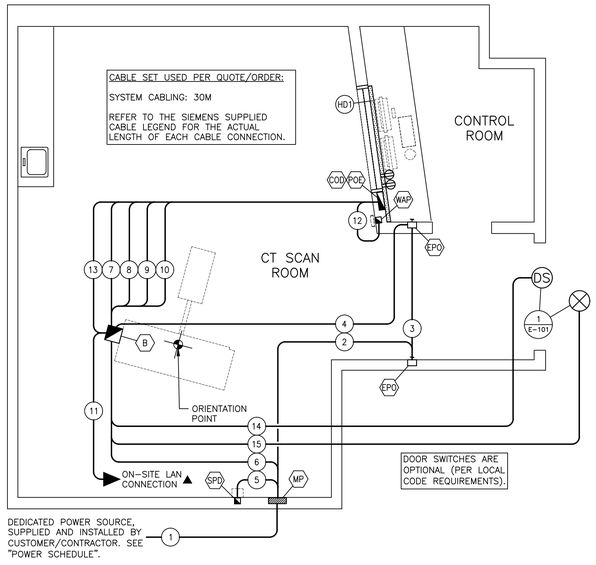
DATE: T. KELLEY

Facility Name: Orlando Health Melbourne Hospital
Project Name: Freestanding ER - Viera
OPC Project #: 23/23960034-19987

ATTENTION:

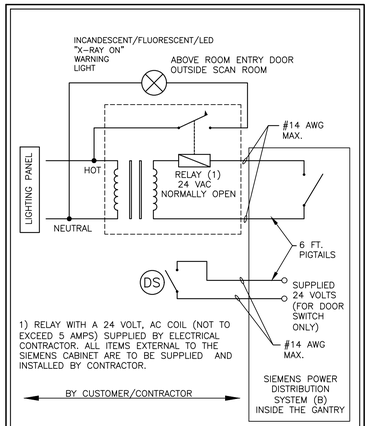
- THIS DRAWING IS DESIGNED TO CONFORM TO FEATURES AND EQUIPMENT REQUIREMENTS PRESENTED AT THE TIME OF THEIR PREPARATION. SINCE BOTH THESE FACTORS ARE SUBJECT TO DESIGN MODIFICATION, THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.
- THIS SET OF PLANS REPRESENTS A COMPLETE SET OF DETAILS AND SHOULD 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.

NOT FOR CONSTRUCTION - REFERENCE DOCUMENT



ELECTRICAL RACEWAY PLAN

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



X-RAY WARNING LIGHTS AND DOOR SWITCH SCHEMATIC

AUXILIARY WIRING

SCALE: NONE

SYMBOLS

ALL MAY NOT APPLY

	MAIN PANEL OR ENCLOSURE BY CUSTOMER/CONTRACTOR
	OPENING IN RACEWAY OR TRENCHDUCT
	PULLBOX IN (FLOOR/WALL/CEILING)
	OPENING IN ACCESS FLOORING
(X)	WARNING LIGHT (X-RAY ON)
(DS)	DOOR SAFETY SWITCH (OPTIONAL)
(EPO)	(EPO) EMERGENCY POWER OFF BUTTON
	TRENCHDUCT
	CEILING DUCT
	UNDER FLOOR DUCT
	SURFACE DUCT
	VERTICAL DUCT
	ETHERNET CONNECTION TO CUSTOMER'S INFORMATION SYSTEMS NETWORK (VERIFY WITH SMS PROJECT MANAGER).
	110 VOLT, 20 AMP, HOSPITAL GRADE DUPLEX OUTLET UNLESS OTHERWISE STATED.
	110 VOLT, 20 AMP, HOSPITAL GRADE QUAD OUTLET
L6-30R	SPECIAL PURPOSE RECEPTACLE

ELECTRICAL LEGEND

SYM	SIZE	DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	REMARKS
(B)	10" x 10"	PULL BOX MOUNTED FLUSH WITH FINISHED FLOOR IN SHOWN LOCATION.	GANTRY CABLE ACCESS
(WA)	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT THE FLOOR LINE IN CONTROL AREA IN SHOWN LOCATION PROVIDED WITH 3"ø OPENING IN FINISHED COVER.	
(EPO)	---	EMERGENCY POWER OFF BUTTON. EXACT LOCATIONS TO BE DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE
(MP)	---	MAIN PANEL WITH MAIN BREAKER. EXACT LOCATION DETERMINED BY CUSTOMER/CONTRACTOR.	SEE POWER SCHEDULE.
(XX)	---	FIXED POINT DESIGNATION, SAME PULL BOX/OPENING AS COD.	POWER OVER ETHERNET
(WA)	AS REQUIRED	PULL BOX MOUNTED FLUSH WITH FINISHED WALL PROVIDED WITH 2"ø OPENING IN FINISHED COVER. THE SURGE PROTECTIVE DEVICE MUST BE LOCATED WITHIN 3 FEET CABLE RUN FROM CIRCUIT BREAKER, AT HEIGHT DETERMINED BY CUSTOMER/ CONTRACTOR.	SEE DETAIL S-101
(WA)	AS REQUIRED	PULLBOX MOUNTED FLUSH WITH FINISHED WALL AT WIRELESS ACCESS POINT LOCATION. HEIGHT OFF FF: > 6'-6 3/4"	WIRELESS ACCESS POINT
(W1)	6" x 3-1/2"	ELECTRICAL DUCT RUN HORIZONTALLY ON THE WALL AT THE FLOOR LINE AND SURFACE MOUNTED ON FINISHED WALL AS SHOWN. DUCT TO BE DIVIDED INTO TWO SECTIONS WITH METAL DIVIDERS.	RACEWAY
(1)	AS REQUIRED	CONDUIT FROM POWER SOURCE TO "MP" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(2)	AS REQUIRED	CONDUIT FROM "MP" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(3)	AS REQUIRED	CONDUIT FROM "EPO" TO "EPO" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(4)	AS REQUIRED	CONDUIT FROM "EPO" TO "B" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(5)	AS REQUIRED	CONDUIT FROM "MP" TO "SPD" SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
(6)	AS REQUIRED	CONDUIT FROM "MP" TO "B".	SEE POWER SCHEDULE
(7)	2"ø	CONDUIT FROM "B" TO "COD". POWER CABLE; W46: 300V	MAX. CONDUIT LENGTH 88'-0"
(8)	2"ø	CONDUIT FROM "B" TO "COD". DATA CABLE; W50: 0V	MAX. CONDUIT LENGTH 88'-0"
(9)	1 1/2""ø	CONDUIT FROM "B" TO "COD". DATA CABLES; W48:0V	MAX. CONDUIT LENGTH 88'-0"
(10)	1 1/2""ø	CONDUIT FROM "B" TO "COD". DATA CABLES; W51: 30V, W60: 30V	MAX. CONDUIT LENGTH 88'-0"
(11)	1"ø	CONDUIT (IF NEEDED) FROM "B" TO ON-SITE LAN	MAX. CONDUIT LENGTH 88'-0"
(12)	1"ø	CONDUIT FROM "POE" TO "WAP".	MAX. CONDUIT LENGTH 82'-0"
(13)	1"ø	CONDUIT FROM "B" TO "POE".	MAX. CONDUIT LENGTH 82'-0"
(14)	AS REQUIRED	CONDUIT FROM "B" TO "WARNING LIGHT", SIZED BY ELECTRICAL ENGINEER OF RECORD.	
(15)	AS REQUIRED	CONDUIT FROM "WARNING LIGHT" TO "WARNING LIGHT", SIZED BY ELECTRICAL ENGINEER OF RECORD.	
	NOTE	ELECTRICAL CONTRACTOR TO IDENTIFY ALL CONDUIT RUNS IN ALL JUNCTION BOXES ON BOTH ENDS BY THE CONDUIT NUMBER AND VOLTAGE RATING ASSOCIATED WITH EACH CONDUIT.	

CONTRACTOR SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
POWER SOURCE	1	MP	3-PHASE CONDUCTORS, 1 NEUTRAL, 1 GROUND. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	2	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	3	EPO	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
EPO	4	B	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	5	SPD	3-PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
MP	6	B	3 PHASE CONDUCTORS, 1 NEUTRAL AND 1 GROUND. SIZED BY ELECTRICAL ENGINEER OF RECORD.	SEE POWER SCHEDULE
B	14	WARNING LIGHT	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	
B	15	DS	DETERMINED BY ELECTRICAL ENGINEER OF RECORD.	

SIEMENS SUPPLIED CABLES

FROM	VIA	TO	DESCRIPTION	REMARKS
B	7,8,9,10	COD	POWER CABLE; W46:300V, DATA CABLE; W48:0V, W050:0V, W51:30V, W60:30V	MAXIMUM LENGTH 88'-0"
B	11	ON-SITE LAN	ETHERNET CABLE	MAXIMUM LENGTH 88'-0"
POE	12	WAP	ETHERNET CABLE	MAXIMUM LENGTH 82'-0"
B	13	POE	ETHERNET CABLE	MAXIMUM LENGTH 82'-0"

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, 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 STRICTURE. 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.

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.

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"

CABLE PROTECTION

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

FINISHED ROOM HEIGHT

FOR CT GANTRY ONLY	MINIMUM 6'-10 11/16"
FOR CT GANTRY WITH INJECTOR ARM	MINIMUM 7'-6 9/16"
CAREVISION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET

SYM	DATE	DESCRIPTION
1	02/04/26	R-101RA VERSION DATED 02/04/26 APPROVED BY CUSTOMER FOR FINALS

-ISSUE BLOCK-

GO-TOP
REV 30

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ORLANDO HEALTH / MELBOURNE FSED
LAKE ANDREW DRIVE, MELBOUNE, FL 32940
CT SCAN ROOM - SOMATOM GO-TOP

PROJECT #: 2610370
SHEET: E-101
SHEET OF 4 6
DRAWN BY: T. KELLEY
SCALE: AS NOTED
REF. #: CPQ-1648726/D
DATE: T. KELLEY

Facility Name: Orlando Health Melbourne Hospital
Project Name: Freestanding ER - Viera
OPC Project #: 23/23960034-19987

ATTENTION:

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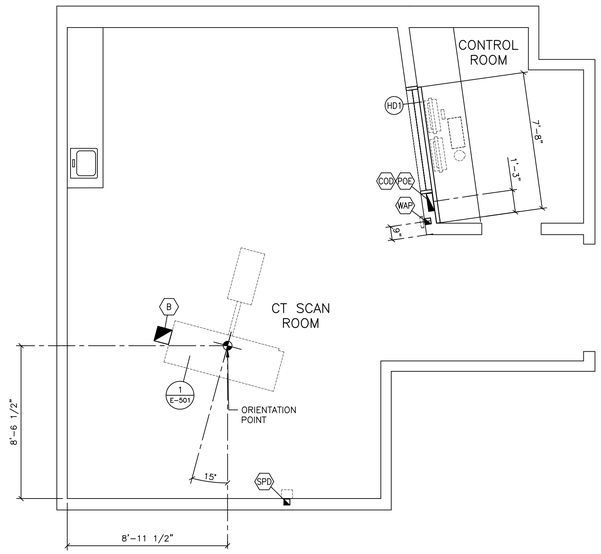
NOT FOR CONSTRUCTION - REFERENCE DOCUMENT -



ELECTRICAL DIMENSION PLAN

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

FINISHED ROOM HEIGHT	
FOR CT GANTRY ONLY	MINIMUM 6'-10 11/16"
FOR CT GANTRY WITH INJECTOR ARM	MINIMUM 7'-6 9/16"
CAREVISION MONITOR/CEILING MOUNT	SEE DETAIL ON S-102 SHEET

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SHEET: E-102

SHEET OF 5 6

DRAWN BY: T. KELLEY

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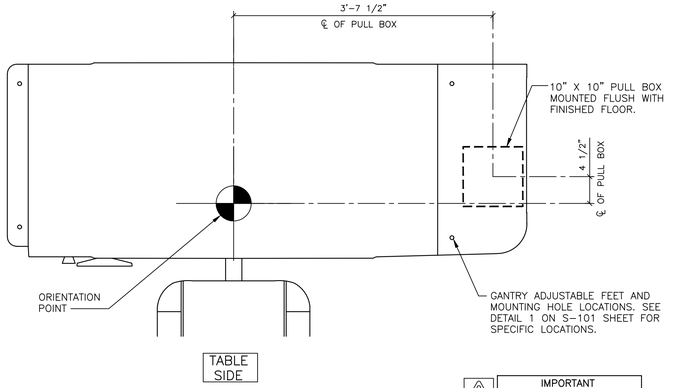


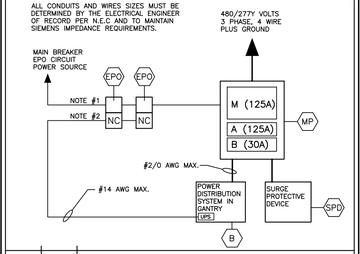
IMPORTANT
ALL CONDUITS MUST HAVE STANDARD SWEEP ELBOWS

PLAN VIEW OF GANTRY CABLE INLETS

1 **GANTRY OPENINGS** SCALE: 1"=1'-0"

POWER SCHEDULE

ALL CONDUITS AND WIRES SIZES MUST BE DETERMINED BY THE ELECTRICAL ENGINEER OF RECORD PER N.E.C AND TO MAINTAIN SIEMENS IMPEDANCE REQUIREMENTS.



ITEM	QTY	DESCRIPTION
MP	1	MAIN PANEL WITH CIRCUIT BREAKERS FLUSH OR SURFACE MOUNTED. MINIMUM 35KAIC @ 480V.
M	1	MAIN BREAKER MUST HAVE TRIPPING DEVICE SO WHEN ANY EPO IS PRESSED THE BREAKER TRIPS.

MAIN BREAKER AMPS: 125

VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
480/277Y	3	1	1	5

ITEM	QTY	DESCRIPTION
A	1	BREAKER AMPS: 125 (FOR GANTRY "B")

VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
480/277Y	3	1	1	5

ITEM	QTY	DESCRIPTION
B	1	BREAKER AMPS: 30 (FOR SURGE PROTECTIVE DEVICE "SPD") (THIS BREAKER WILL NOT BE NEEDED IF THE SURGE PROTECTIVE DEVICE IS NOT PURCHASED)

VOLTS	PHASES	NEUTRAL	GROUND	TOTAL WIRES
480/277Y	3	1	1	5

PHASE AND NEUTRAL WIRES TO BE THE SAME SIZE, GROUND PER NEC. UNLESS OTHERWISE NOTED ALL BREAKERS WILL BE 80% RATED.

ITEM	QTY	DESCRIPTION
EPO	VARIES	NOTE 1 – EPO CIRCUIT #1 MAIN CIRCUIT BREAKER EMERGENCY POWER OFF BUTTON WITH PROTECTIVE COVER THAT PREVENTS ACCIDENTAL ACTIVATION. THE EPO MUST BE OF FAIL-SAFE DESIGN. ALL EPO'S TO HAVE MECHANICAL LATCHING MECHANISM. EPO MUST BE RESET BEFORE MAIN BREAKER CAN RESUME OPERATION. CONTACTS AND WIRING CONFIGURATION TO BE DESIGNED BY ELECTRICAL ENGINEER OF RECORD. NOTE 2 – EPO CIRCUIT #2 EPO CONTACTS TO BE NORMALLY CLOSED, WIRED IN SERIES, CONNECTED TO CT (B) UPS ONLY. THE EPOs MUST BE INSTALLED BY A QUALIFIED ELECTRICAL CONTRACTOR ACCORDING TO NATIONAL ELECTRICAL CODE, STATE AND LOCAL REGULATIONS. MEASURES SHOULD BE TAKEN TO DESIGN THE CIRCUIT IN SUCH A WAY THAT IT WILL ALWAYS WORK WHEN THE MEDICAL EQUIPMENT IS POWERED. THE CUSTOMER IS SOLELY RESPONSIBLE FOR THE IMPLEMENTATION OF THE EPOs AND THEIR ASSOCIATED CIRCUITS AND MUST MAKE THE FINAL DETERMINATION CONSIDERING ALL SITE CONDITIONS AND REGULATORY FACTORS.

UNLESS OTHERWISE NOTED, ALL ITEMS LISTED IN THIS SCHEDULE SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

POWER REQUIREMENTS

SYSTEM	SUPPLY VOLTAGE (VOLTS)	POWER CONSUMPTION (kVA)	SUPPLY IMPEDANCE (mΩ)	MAIN CIRCUIT BREAKER (AMPS)
GANTRY WITH PATIENT TABLE	3ø 480/277Y ±10%	SEE BELOW	≤ 300	125

POWER CONSUMPTION OF GANTRY WITH PATIENT TABLE
OPERATING FOR 4 SEC. ≤ 115 kVA
OPERATING FOR 10 SEC. ≤ 100 kVA
OPERATING FOR 30 SEC. ≤ 75 kVA
OPERATING FOR 50 SEC. ≤ 63 kVA
OPERATING FOR 100 SEC. ≤ 40 kVA
STAND-BY – ≤ 3 kVA

IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN CT OPERATING VOLTAGE, IT MUST HAVE A MINIMUM OUTPUT CAPACITY OF 115kVA AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

DO NOT CONNECT ANY EXTERNAL USERS TO THE CT POWER LINES.

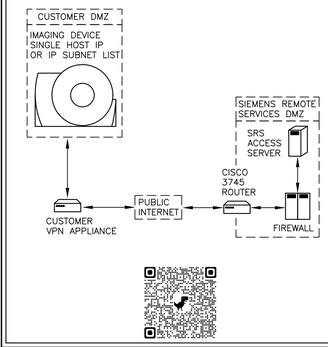
THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.

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 SEPARATION

THIS ELECTRICAL RACEWAY PLAN DEPICTED IN THIS DRAWING IS PLANNED ACCORDING TO SIEMENS SYSTEM REQUIREMENTS AND UL CERTIFICATION OF THIS SYSTEM. ADDITIONAL SEPARATION OF THE SYSTEM CABLE SETS INTO SEPARATE OR PARTITIONED RACEWAYS UNLESS OTHERWISE NOTED IS NOT NECESSARY TO ENSURE SEPARATION OF CIRCUITS. INTERCONNECTING CABLE SETS ARE TESTED AS PART OF THE SYSTEM, AND ARE NOT CONSIDERED PREMISE WIRING.

THE CUSTOMER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ADDITIONAL SEPARATION REQUIREMENTS INCLUDING, BUT NOT LIMITED TO: DETERMINING THE NEED FOR ADDITIONAL SEPARATION AND DETERMINING ANY ADDITIONAL ITEMS NEEDED OTHER THAN THOSE IDENTIFIED ON THIS PLAN.

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 <500mA DURING OPERATION OF THE IMAGING EQUIPMENT.

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SHEET: E-501

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