

Site Planning Guide For:

VA West Roxbury (Boston MA) Room 113 Samsung GC85A Vision Plus OTC System

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These Room Plans are provided by Equipment Vendor for the sole purpose of showing specific information on the equipment to be installed at this facility. The provider of these plans is not responsible for designing or providing room specifications other than what is needed for the successful installation and operation of the Radiographic system.

Dwg No. 2408-29-A-F

drawn by: Cory Kimbrough

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Samsung GC85A Vision Plus OTC System

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General Notes

- Boston Imaging is only responsible for installation of imaging equipment purchased from Boston Imaging or equipment contracted to be relocated with Boston Imaging. All other construction and room preparation, including millwork, cabinets, sinks, backing for apron racks, networking connections, etc. are to be designed and supplied by others.
- Customer and his General Contractor are responsible for all work in preparing the x-ray room and surrounding area and all costs involved.
- Customer and his Contractor are responsible for the cost and obtaining of all professional fees and all permits, including all building and electrical permits.
- Customer is responsible for obtaining lead shielding requirements from a licensed physicist and/or compliance with local and state regulations.
- Although room lighting is not specified on these plans, it is the responsibility of the purchaser or his architect or electrical Contractor to provide dimming lights in the x-ray room and control booth area as well as convenient wall outlets, strategically placed around the room. Contractor must avoid placing LED lights directly above x-ray system
- Ceiling height is indicated on these plans and must be as maintained as stated. If for any reason the minimum ceiling height is unobtainable, it is the responsibility of the Customer or his Contractor to notify Boston Imaging Project Management.
- All dimensions are from finished surfaces unless otherwise noted. Accuracy of room dimensions are based upon information provided to the creator of these plans, thus the creator will not accept responsibility for any discrepancies.
- When required by state law, the purchaser is to employ a registered physicist to certify x-ray system and room shielding at the purchaser's expense.
- Any structural backing for equipment support shall be a minimum thickness of 2" wood secured to a minimum of three studs with the face of the backing flush with the line of the studs unless local codes supercede the suggested specifications noted in these plans.
- All construction shall comply with all building codes that have jurisdiction.
- The purchaser, at his expense, shall arrange to have furnished and installed any plumbing, wall, floor or ceiling reinforcing Unistrut, electrical conduit, wire, main switches, panel boards, junction boxes and cover plates, bushings, wire or cable duct or trough specified or required for the satisfactory installation of the x-ray equipment. Locations of electrical boxes may vary slightly due to stud locations. If dimensions aren't specified, then locations are to be within close proximity of item.
- These drawings are supplied to suggest location of x-ray equipment and associated apparatus, electrical wiring details and room arrangements. In preparing these plans, every effort has been made to conform details to the actual equipment expected to be installed. The provider of these plans cannot accept responsibility for any changes made to the equipment or the room or for any damages resulting therefrom. Actual construction drawings should be provided by the purchaser's architect or general Contractor.
- Boston Imaging assumes no responsibility for any construction costs, whether or not related to the installation of any x-ray equipment. No work may be performed or any materials furnished at the expense of Boston Imaging without a prior authorized, signed purchase order. Equipment listed on Sales quote supersedes the Equipment listed on the Equipment Legend on these plans.

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Site Readiness Requirements

The following general conditions are required prior to the delivery of equipment. These conditions will insure the best possible environment for the installation and protection of computers, electronics, x-ray tubes, image intensifiers, cameras, monitors, and mechanical equipment. Please note if these conditions are not met at the time of delivery, the Boston Imaging Project Manager should reschedule the installation start date.

- All necessary approvals, permitting, and shielding reviews required by either state or local governing agencies will be the customer's responsibility. Some states will not allow the installation to begin without prior approval.
- Power available at the designated power cabinet prior to delivery of equipment.
- Walls to be sanded, primed and painted, floor covering installed, ceiling completed, doors hung with finish applied and lead barriers installed.
- HVAC complete, functioning properly and tested prior to equipment delivery.
- Exam room floor under all floor mounted x-ray equipment shall be flat and level to within 0.125" in all directions in a 10' span.
- All structural backing boards, reinforcement plates, and overhead grid installed as designated in Site Planning Guide. It will be the responsibility of the customer's design engineer to furnish recommended methods of anchoring and attachment for applicable Boston Imaging x-ray equipment.
- All cable troughs, junction boxes, conduits and raceways correctly sized and installed according to the provided Site Planning Guide. All lighting installed and functioning at the time of delivery. **ALL FLUSH MOUNTED J-BOXES SHOULD HAVE OVERSIZED COVERS AND BE PAINTED TO MATCH THE WALL.** Surface-mounted junction boxes should also be painted to match the wall.
- Room and immediate vicinity to be dust free and remain so for the duration of the installation.
- Customer supplied PACS, laser imagers, cameras, computers, printers, routers, networks, and network drops are to be installed and verified operational prior to Boston Imaging installing image acquisition and processing hardware and software. Additionally, firewalls, backup power sources, virus software and other security software and hardware are the Customer's responsibility to acquire, install, and maintain current (unless prior arrangements have been made for Boston Imaging to provide this equipment). Boston Imaging will connect to customer installed network drops but assumes no responsibility for proper operation of Customer's network and associated hardware. It is strongly suggested that the Customer retain an IT person to be available for network related issues that may arise during its useful life. Boston Imaging is not responsible for computer malfunctions due to Customer or patient's unauthorized use or installation of computer programs for their personal use.
- Boston Imaging supplied servers are not allowed to have updates installed without the prior consent of Boston Imaging.
- Telephone service and VPN access must be installed and operational prior to installation for remote support.
- It will be the customer's responsibility to provide a clear and unobstructed pathway for delivery of diagnostic devices, including room entry.

Removal of old equipment must be quoted by service. Boston Imaging does not dispose of transformers or tubes. Third party disposal service companies are available upon request.

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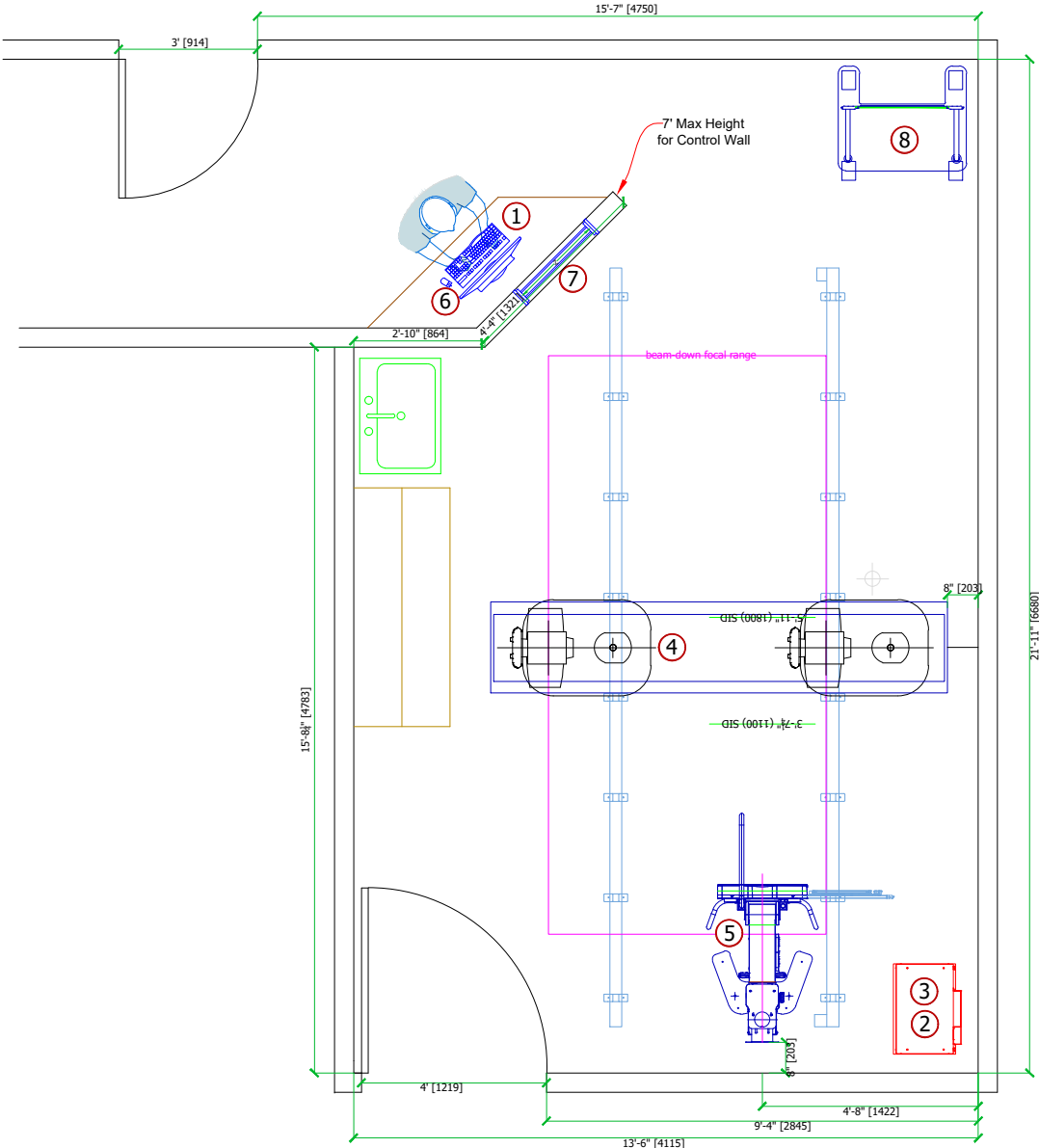
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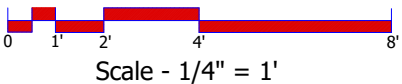
NOTE: Walls must be 5" thick to accommodate lead lining and electrical boxes



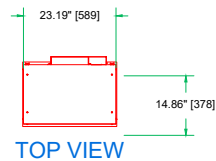
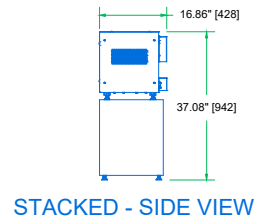
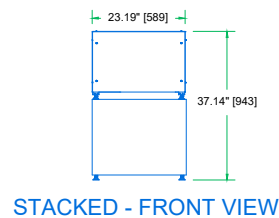
EQUIPMENT LEGEND						
FUTURE						
EXISTING						
INSTALLED BY CUSTOMER/CONTRACTOR						
FURNISHED BY CUSTOMER/CONTRACTOR						
INSTALLED BY BOSTON IMAGING						
FURNISHED BY BOSTON IMAGING						
ITEM	DESCRIPTION DIM: W X D X H	WT. (LBS)	BTU'S /HR			
①	Samsung GC85A DR Workstation	N/A	300.3	•	•	
②	Samsung GC85A System Cabinet DIM: 23.23" x 16.93" x 17.00"	264	549.4	•	•	
③	Spellman ZR75P - 80kw Generator Cabinet DIM: 23.46" x 16.14" x 18.90"			•	•	
④	Samsung GC85A Vision Plus OTC DIM: 5M x 3M (196.85" x 118.11" x Variable")	798-928	392.4	•	•	
⑤	Samsung GC85A Standard Wall Stand Right or Left Load to be specified on sales quote DIM: 29" x 40.7" x 87"	396	196.2	•	•	
⑥	Countertop with PC shelf below - to be designed and installed by customer/contractor			•	•	•
⑦	Lead Window DIM: Determined by customer				•	•
⑧	Samsung Mobile Stitching Stand DIM: 33.28" x 27.17" x 84.5"	N/A	N/A	•	•	

Samsung GC85A Vision Plus Overhead System
Recommended Ceiling Height: 105.31" - 107.28"
Min - Max Ceiling Height: 99.41" - 115.35"

NOTE: Ceiling heights outside of the recommended range require Samsung review and approval.

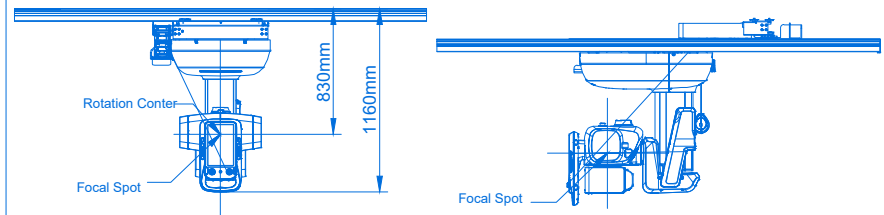


Generator & System Cabinet



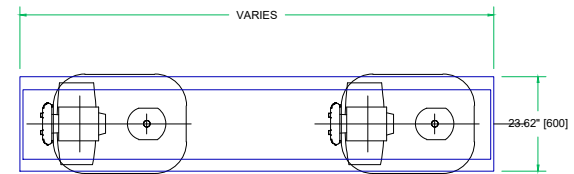
✓CK240313

Tube Head Unit (GC85A Vision Plus)



FRONT VIEW

SIDE VIEW



TOP VIEW

✓CK240621

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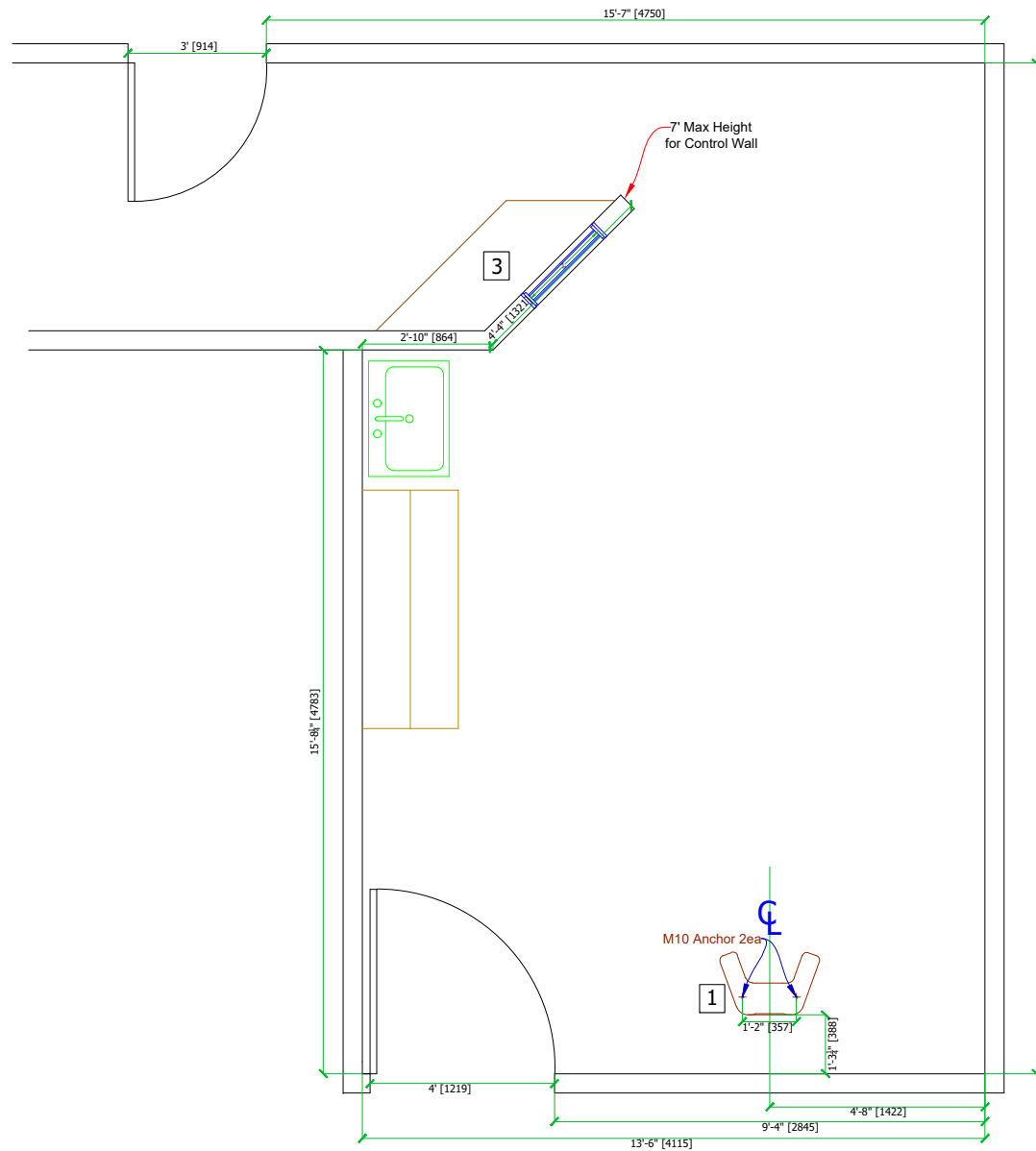
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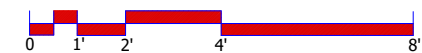
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Structural Layout - Floor & Wall



STRUCTURAL SUPPORT LEGEND	
FUTURE	
EXISTING	
INSTALLED BY CUSTOMER/CONTRACTOR	
FURNISHED BY CUSTOMER/CONTRACTOR	
INSTALLED BY BOSTON IMAGING	
FURNISHED BY BOSTON IMAGING	
ITEM	DESCRIPTION
1	Wall Stand Base Floor Bolt Locations.
3	Counter Top with bottom PC shelf to be designed and installed by customer/contractor.



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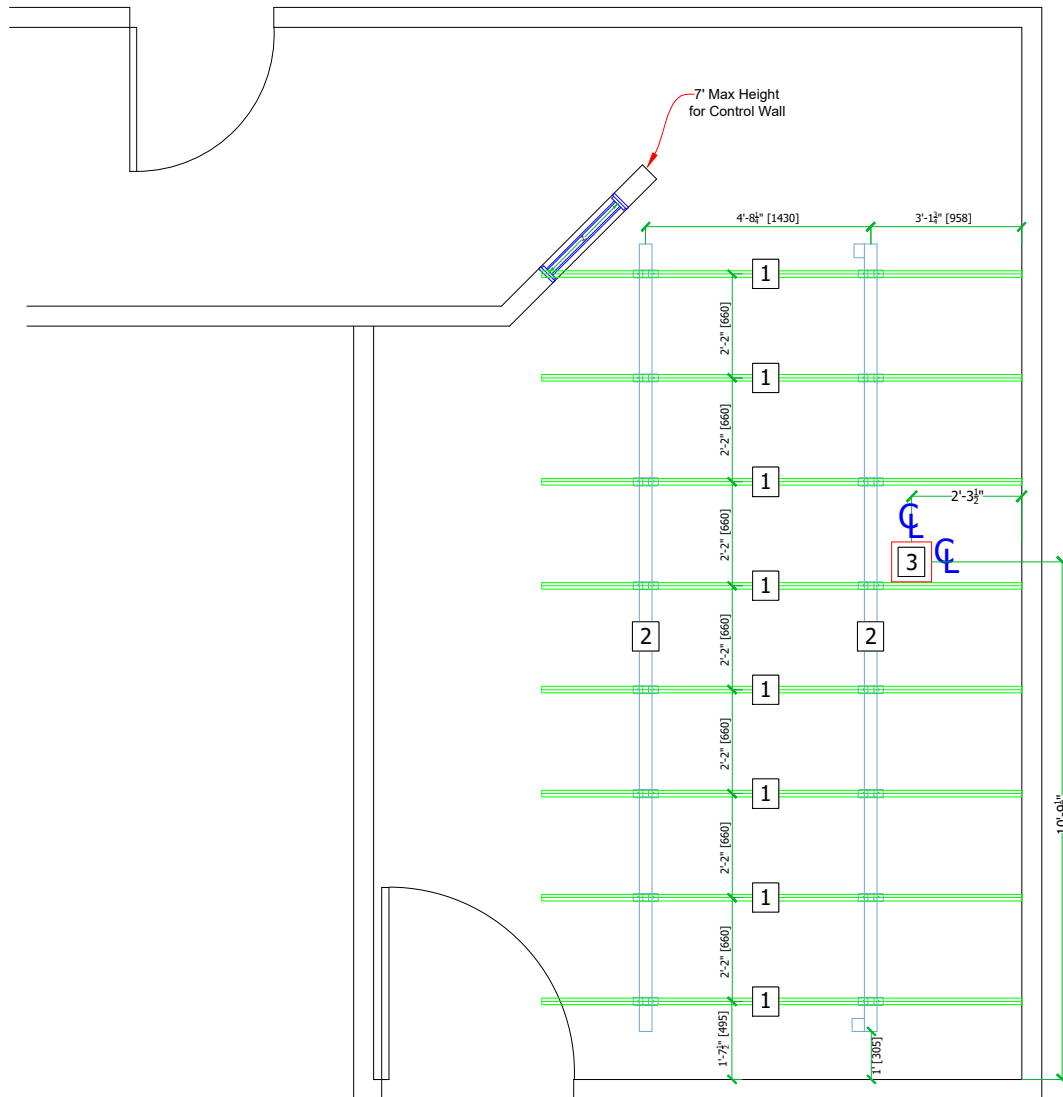
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Structural Layout - Ceiling



STRUCTURAL SUPPORT LEGEND

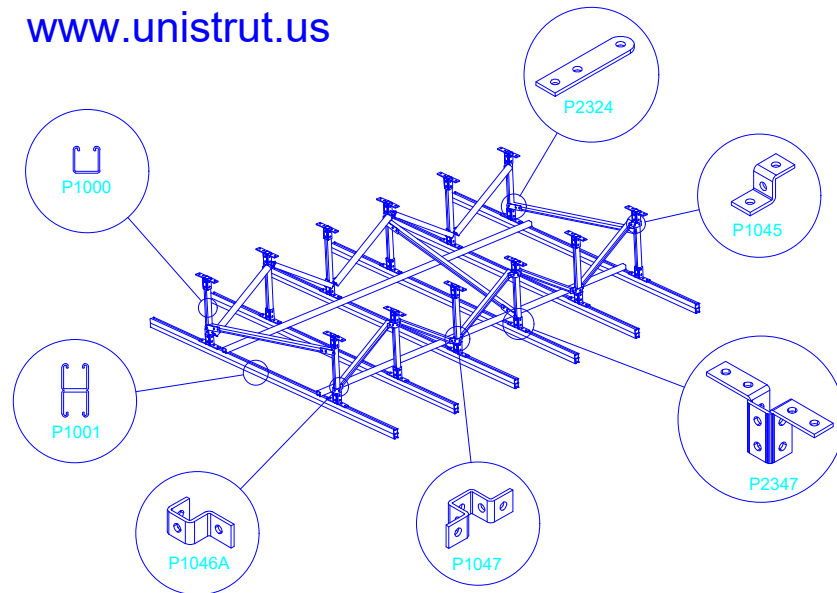
ITEM	DESCRIPTION					
1	Unistrut Support, located and spaced as shown. See notes on sheet S3 for more info. NOTE: Unistrut to provide (2) 8mm x 30mm mounting bolts and (2) 8mm nuts at each mounting location for installation of longitudinal rails (ITEM 2)					
2	Manufacturer supplied longitudinal rails - to be secured to Unistrut support (ITEM 1).					
3	Unistrut design must accommodate 10" x 10" x 10" electrical box, which will be flush mounted in the ceiling (furnished/installed by Electrical Contractor).					

NOTE: See page S4 for ceiling clear zones. All light fixtures, HVAC vents and fire sprinklers must be clear of all ceiling support. Architect to specify 2' x 2' flush mounted lift out ceiling tiles. A minimum of 12" above ceiling tiles is required for service access of the equipment.

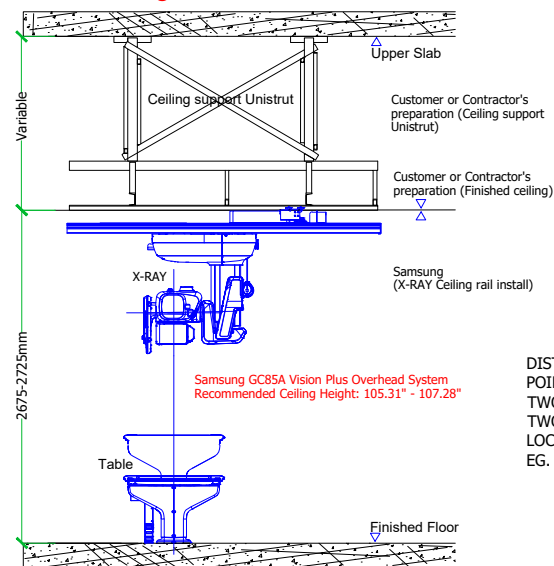
NOTE: Ceiling structural support for the Samsung GC85A must be able to withstand a dynamic load of 1.25 tons.

CEILING RAIL UNISTRUT DETAILS

www.unistrut.us



Samsung GC85A Vision Plus



Samsung GC85A Vision Plus Overhead System
Recommended Ceiling Height: 105.31" - 107.28"

DISTRIBUTED STATIC LOAD 2400 LBS.
POINT LOAD 1325 LBS.
TWO 8mm X 30mm MOUNTING BOLTS AND
TWO 8mm NUTS AT EACH MOUNTING
LOCATION.
EG. 6 UNISTRUT = 12 MOUNTING
LOCATIONS = 24 MOUNTING BOLTS.

DRAWING FOR REFERENCE ONLY
ACTUAL DESIGN, PARTS AND PART NUMBERS ARE FACILITY DEPENDENT

Unistrut & Ceiling Detail

STRUCTURAL NOTES:

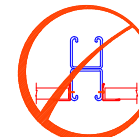
- THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL STRUCTURAL SUPPORT MEMBERS AND NEEDED HARDWARE FOR THE INSTALLATION OF CEILING MOUNTED X-RAY AND ANCILLARY EQUIPMENT.
- THE OVERHEAD STRUCTURAL SUPPORT SYSTEM SHALL BE FIXED, RIGID, AND BRACED FOR SWAY WITH A MAXIMUM DEFLECTION OF .0625" AT ANY GIVEN POINT.
- ALL OVERHEAD STRUCTURAL SUPPORT MEMBERS SHALL BE TRUE, SQUARE, LEVEL, PARALLEL, AND COPLANAR IN RESPECT TO EACH OTHER WITH ALL HORIZONTAL STRUCTURAL SUPPORT MEMBERS TO BE LOCATED AND SET WITH A WATER LEVEL OR TRANSIT.
- ANY STRUCTURAL DETAILS SHOWN ARE SAMPLE DETAILS BASED UPON STANDARD BUILDING PRACTICES AND ARE NOT INTENDED FOR CONSTRUCTION USE. ACTUAL CONSTRUCTION DETAILS, LOADING FACTORS, SPECIFICATIONS, AND ALL CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL STRUCTURAL ENGINEER AT THE HOSPITAL'S EXPENSE.
- METHODS OF SUPPORT FOR THE STEELWORK THAT WILL PERMIT ATTACHMENT TO STRUCTURAL STEEL OR THROUGH BOLTS IN CONCRETE CONSTRUCTION SHOULD BE FAVORED. DO NOT USE SCREW ANCHORS IN DIRECT TENSION.
- DO NOT USE SCREWS TO FASTEN CEILING GRID TO UNISTRUT. AN ALTERNATE METHOD SUCH AS TACK OR SPOT WELDING, ETC. SHOULD BE CONSIDERED. ALL LIGHTS, SPRINKLER HEADS AND ANY CEILING PIECE MUST BE FLUSH WITH THE FINISHED CEILING TO AVOID MOVEMENT OF OTC.
- ALL UNISTRUT MEMBERS HAVE BEEN COORDINATED WITH THE X-RAY EQUIPMENT. ANY DEVIATION FROM THIS PLAN MUST BE APPROVED BY SIGNATURE THROUGH THE EQUIPMENT VENDOR.
- THE EQUIPMENT VENDOR OR VENDOR'S DESIGNER IS IN NO WAY RESPONSIBLE FOR THE DESIGN OR INSTALLATION OF THE SUPPORT STRUCTURE FOR ANY OVERHEAD CEILING MOUNTED EQUIPMENT. THIS IS THE RESPONSIBILITY OF THE PURCHASER OR PURCHASER'S CONTRACTOR. IT IS VERY STRONGLY RECOMMENDED THAT A STRUCTURAL ENGINEER IN CONJUNCTION WITH UNISTRUT REPRESENTATIVES COORDINATE THE UNISTRUT SUPPORT STRUCTURE.
- UNISTRUT CHANNEL TO BE FLUSH MOUNTED IN FINISHED CEILING UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS. ALL EXPOSED CHANNELS SHALL BE PAINTED THE SAME COLOR AS THE FINISHED CEILING. CONTRACTOR TO SUPPLY AND INSTALL CLOSURE STRIPS IN ALL EXPOSED UNISTRUT.



DO NOT MOUNT TILE LOWER THAN UNISTRUT. IF TILE IS NOT FLUSH MOUNT, MOUNT IN SUCH A WAY THAT THE LOWEST PART OF TILE IS FLUSH WITH UNISTRUT RAIL.



DO NOT DRILL INTO OR ATTACH ANY FASTENERS TO UNISTRUT UNLESS FIRST APPROVED BY A LICENSED STRUCTURAL ENGINEER.



NOT TO SCALE

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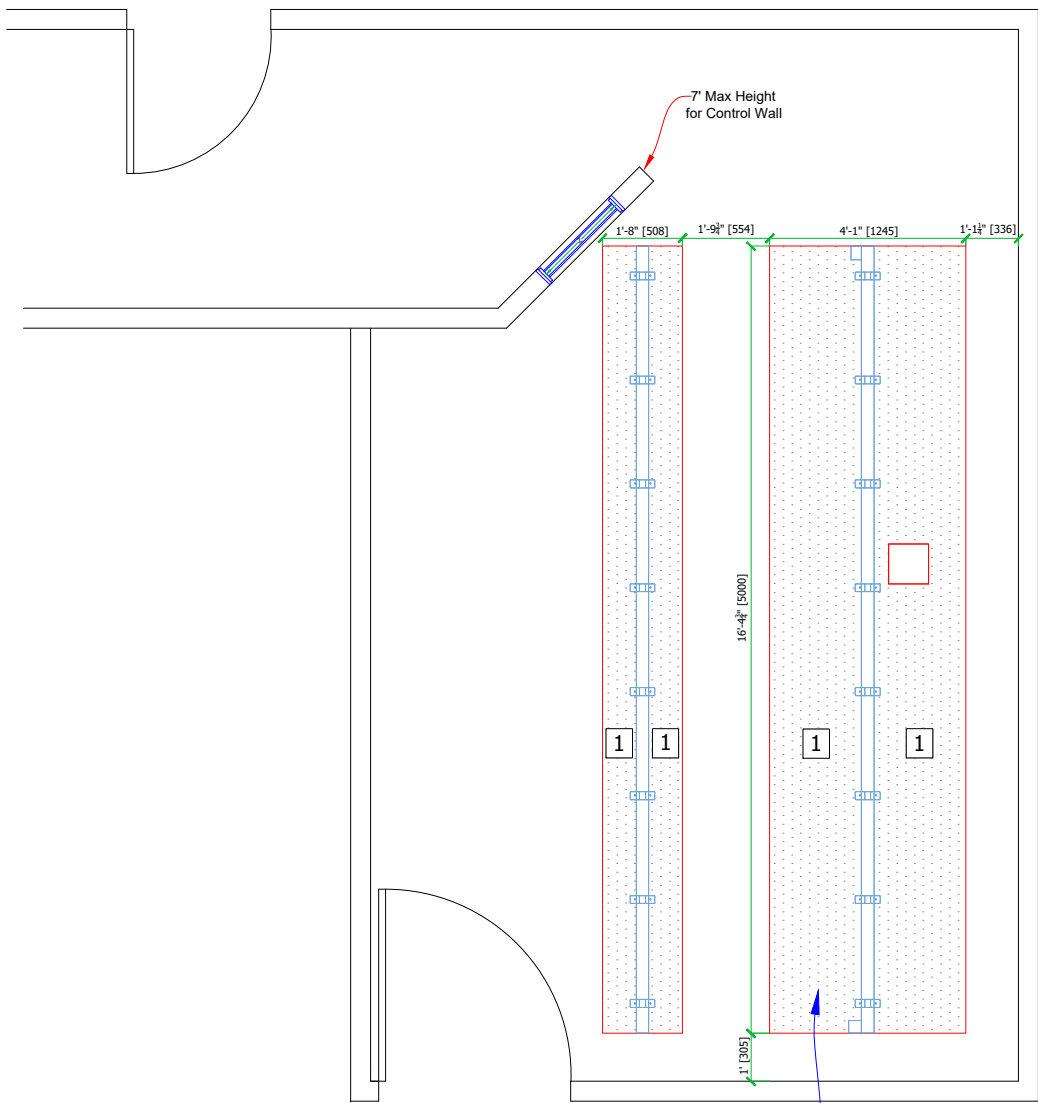
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Ceiling Exclusion Zones



WARNING: EQUIPMENT CABLE CHAIN
IN THIS AREA WILL BLOCK ITEMS IN
CEILING SUCH AS SPRINKLERS!

ITEM	DESCRIPTION
1	CLEAR ZONES - NOTHING IN THESE AREAS SUCH AS FIRE DETECTORS, SPRINKLERS, LIGHTS, ETC. WITHOUT PRIOR WRITTEN CONSENT OF EQUIPMENT SUPPLIER. SOME EXCEPTIONS MAY BE POSSIBLE.
NOTE: OTHER AREAS OUTSIDE OF CLEAR ZONES MUST HAVE ONLY FLUSH MOUNTED DEVICES TO ALLOW FULL RANGE OF EQUIPMENT TRAVEL.	

CAUTION: PROTRUDING DEVICES; SPRINKLER HEADS, LIGHTS, AC VENTS, ETC. MAY DAMAGE OR BE DAMAGED BY INSTALLED EQUIPMENT IN OPERATION. ARCHITECT TO SPECIFY 2' BY 2' FLUSH MOUNT CEILING TILES.

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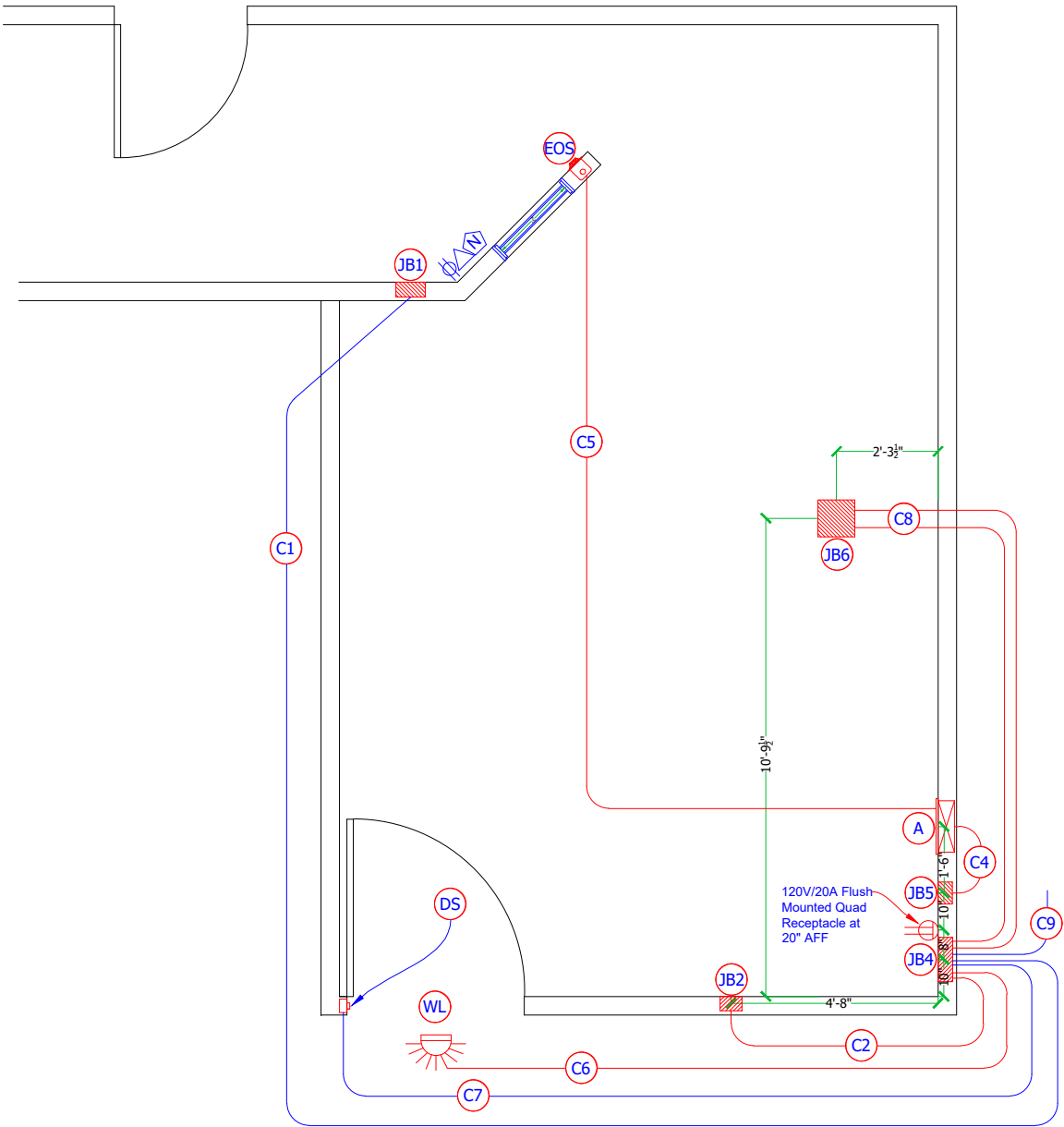
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NOTE: Conduit runs are drawn with minimal overlap on the page so they are easy to visually interpret and understand.

NOTE: Actual conduit runs must be as short as possible due to cable length limitations (see page E2).

NOTE: All conduit runs must have sweeping bends for turns.

ELECTRICAL LEGEND				
FUTURE				
EXISTING				
INSTALLED BY CUSTOMER/CONTRACTOR				
FURNISHED BY CUSTOMER/CONTRACTOR				
INSTALLED BY BOSTON IMAGING				
FURNISHED BY BOSTON IMAGING				
ITEM	DESCRIPTION			
A	NEMA 1. 480VAC - 3 PHASE, FRONT OPERATED, SHUNT TRIP TYPE CIRCUIT BREAKER ENCLOSURE WITH NEUTRAL AND GROUND, ACCORDING TO SPECS ON PAGE E3. FLUSH MOUNT IN WALL, CENTERED AT 66" AFF, LOCATED AS CLOSE TO "JB5" AS POSSIBLE.			
JB1	8" x 8" x 4" DEEP JUNCTION BOX, 18" AFF, FLUSH MOUNTED IN WALL WHERE SHOWN. PROVIDE FLUSH MOUNT COVER PLATE.			
JB2	6" x 6" x 4" DEEP JUNCTION BOX, FLUSH MOUNTED IN WALL. ALIGN BOTTOM OF BOX TO FLOOR LEVEL. PROVIDE A BLANK FLUSH MOUNT COVER PLATE.			
JB4	12" x 12" x 4" DEEP JUNCTION BOX, 9" AFF, FLUSH MOUNTED IN WALL WHERE SHOWN. PROVIDE A BLANK FLUSH MOUNT COVER PLATE.			
JB5	6" x 12" x 4" DEEP JUNCTION BOX, 9" AFF, FLUSH MOUNTED IN WALL WHERE SHOWN. EC TO PROVIDE TERMINAL BLOCK INSIDE BOX TO CONNECT TO SYSTEM CABINET. PROVIDE A FLUSH MOUNT COVER PLATE. PROVIDE 1 1/4" FLEX CONDUIT, 3' IN LENGTH, WITH 90° CONNECTOR ON BOTH ENDS. ATTACH ONE END TO COVER, THE OTHER END WILL ATTACH TO SYSTEM CABINET.			
JB6	10" x 10" x 10" DEEP JUNCTION BOX, FLUSH MOUNTED IN CEILING IN LOCATION SHOWN. PROVIDE A BLANK OVERSIZED COVER FOR CABLE ACCESS. BOX MUST MOUNT NEXT TO UNISTRUT AND NOT INTERFERE WITH UNISTRUT OPERATION. BOX MUST NOT HANG BELOW UNISTRUT. SEE PAGE S4.			
C1	2" CONDUIT RUN FROM "JB1" TO "JB4". LEAVE PULL STRING. SMOOTH CONDUIT PREFERRED.			
C2	2 1/2" CONDUIT RUN IN OR UNDER FLOOR, FROM "JB2" TO "JB4". SMOOTH CONDUIT PREFERRED. LEAVE PULL STRINGS.			
C4	EQUIPMENT REPRESENTATIVE SHALL SUPPLY THE EC WITH THE EQUIPMENT POWER INTERCONNECT PRIOR TO EQUIPMENT INSTALLATION. EC TO RUN CONDUIT FROM "A" TO "JB5", SIZE APPROPRIATE (SEE PAGE E3) AND LEAVE A 6' PIGTAIL			
C5	3/4" CONDUIT RUN FROM "A" BREAKER TO "EOS". (2) #14AWG PLUS GROUND. PROVIDE POWER IF NECESSARY FOR SHUNT TRIP SOLENOID.			
C6	3/4" CONDUIT FOR 120V RUN FROM "WL" TO "JB4".			
C7	3/4" CONDUIT RUN FROM "DS" TO "JB4". PROVIDE #16 AWG, 2 COND, FROM "DS" TO "JB4", LEAVE 6' PIGTAIL AT "JB4" SIDE.			
C8	(2) 3" CONDUITS RUN FROM "JB4" TO "JB6". LEAVE PULL STRINGS. SMOOTH CONDUIT PREFERRED. 3" CONDUIT IS IDEAL, HOWEVER, CONDUITS MUST BE 2 1/2" MINIMUM.			
C9	3/4" CONDUIT STUBBED ABOVE FINISHED CEILING FOR ROUTING DATA CABLE TO WIRELESS ROUTER MOUNTED ABOVE DROP CEILING PANELS. LEAVE PULL STRINGS.			
WL	X-RAY WARNING LIGHT, EC TO PROVIDE 120VAC FOR THE LIGHT, AND PULL THE WIRE TO "JB4". LEAVE 8' PIGTAIL AT "JB4" SIDE. X-RAY GENERATOR WILL THE PROVIDE SWITCH.			
DS	PROVIDE NORMALLY OPEN (MAGNETIC STYLE) DOOR SWITCH WITH WIRE RUN TO "JB4" - PROVIDED BY EC.			
EOS	EMERGENCY OFF SWITCH (SHUNT TRIP TYPE) TO BE CONNECTED TO THE "A" BREAKER, 60" AFF, LOCATED AS SHOWN.			



Provide the following in control area:

- 120VAC, 15 Amp, Dedicated Quad Outlet
- VPN Connection or Internet Access for Remote Diagnostics
- Provide (2) RJ-45 Network Connection w/Cat. 6 Cable Outlet

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STANDARD WIRE LENGTHS PROVIDED GC85 CABINET TO CEILING

TRANSVERSE	2.5 M	3 M	3.5 M	4 M
LONGITUDINAL				
3 M	8.75 M 28' 8"	8.6 M 28' 2"	7.6 M 24' 11"	7.6 M 24' 11"
3.5 M	8.4 M 27' 6"	8.25 M 27' 0"	7.25 M 23' 9"	7.25 M 23' 9"
4 M	8.4 M 27' 6"	8.25 M 27' 0"	7.25 M 23' 9"	7.25 M 23' 9"
4.5 M	7.85 M 25' 9"	7.7 M 25' 3"	6.7 M 21' 11"	6.7 M 21' 11"
5 M	7.85 M 25' 9"	7.7 M 25' 3"	6.7 M 21' 11"	6.7 M 21' 11"
6.5 M	6.85 M 22' 5"	6.7 M 21' 11"	5.7 M 18' 8"	5.7 M 18' 8"

EXTRA LONG WIRE LENGTHS PROVIDED GC85 CABINET TO CEILING

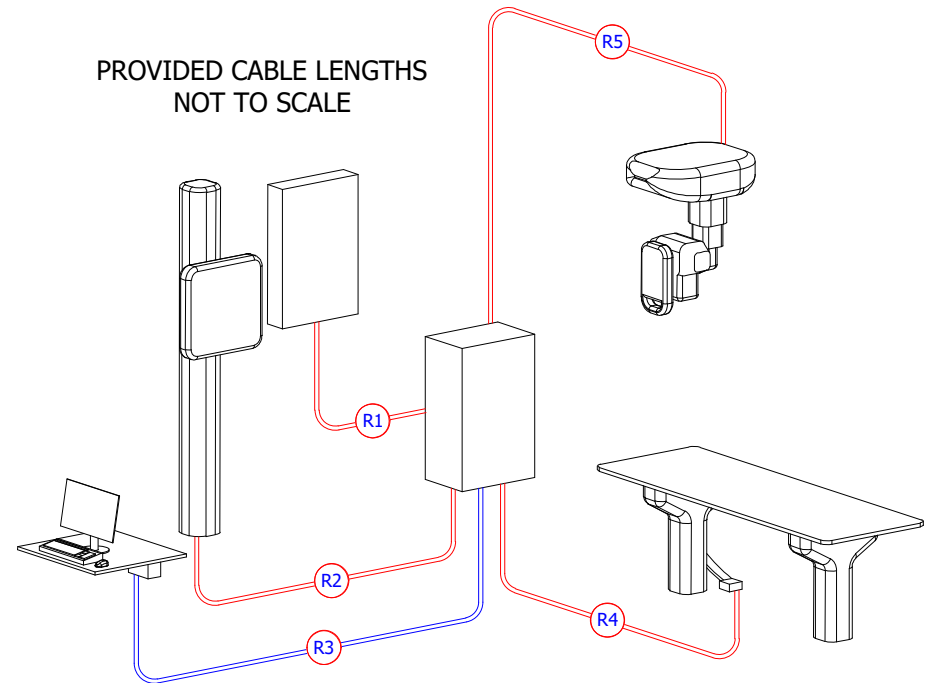
TRANSVERSE	2.5 M	3 M	3.5 M	4 M
LONGITUDINAL				
3 M	13.75 M 45' 1"	13.6 M 44' 7"	12.6 M 41' 4"	12.6 M 41' 4"
3.5 M	13.4 M 43' 11"	13.25 M 43' 5"	12.25 M 40' 2"	12.25 M 40' 2"
4 M	13.4 M 43' 11"	13.25 M 43' 5"	12.25 M 40' 2"	12.25 M 40' 2"
4.5 M	12.85 M 42' 1"	12.7 M 41' 8"	11.7 M 38' 4"	11.7 M 38' 4"
5 M	12.85 M 42' 1"	12.7 M 41' 8"	11.7 M 38' 4"	11.7 M 38' 4"
6.5 M	11.85 M 38' 10"	11.7 M 38' 4"	10.7 M 35' 1"	10.7 M 35' 1"

WIRING SCHEDULE

(CONTRACTOR FURNISHED - CONTRACTOR INSTALLED)

RUN #	METERS	FT-IN	COMMENTS
R1	2.8	9' 2"	FROM POWER DISTRIBUTION TO SYSTEM CABINET
R2	10.6	34' 9"	FROM WALL STAND TO SYSTEM CABINET
R3	18.8	61' 8"	FROM CONTROL ROOM PC TO SYSTEM CABINET
R4	9.5	31' 2"	FROM TABLE TO SYSTEM CABINET
R5	SEE CHART	SEE CHART	FROM TUBE HEAD UNIT TO SYSTEM CABINET. SEE CHART FOR ACTUAL ROOM CABLE LENGTH BASED ON TUBE HEAD UNIT SIZE LISTED ON PAGE A1

PROVIDED CABLE LENGTHS
NOT TO SCALE



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HVAC Environmental Notes:

Temperature must be regulated between 50 – 90 degrees F with relative humidity regulated at 30% to 85% non-condensing.

Heat output of equipment in one area must not affect temperature and humidity regulations in other areas. It is strongly recommended that each area be individually environmentally controlled with a thermostat.

Supply diffusers shall not cause direct air contact on patients or operators.

Typically, this system will operate in a normal office environment.

Spellman ZR75P - 80kw Generator Power Line Requirements

Line Voltage	Recommended Distribution Transformer	Breaker Size	Wire Size "A" to "JB4"	Ground Wire Size	Max. Line Impedance
3 Phase					
380VAC	125kVa	100A	#6	#6	0.09 Ω
400VAC	125kVa	100A	#6	#6	0.10 Ω
480VAC	125kVa	100A	#6	#6	0.15 Ω

Electrical Contractor to supply L1, L2, L3, and Gnd in appropriate size conduit from "A" Breaker Panel to "JB4". Leave 8' pigtail on "JB4" side.

Wire must be made of copper and flexible.

Grounding: Insulated grounding must conform with current requirements for electrically susceptible patient areas. See Article 517, National Electrical Code.

Line voltage automatic compensation +/- 10% V~.
Maximum line regulation for maximum kVa demand: 6%

✓CK240313

NOTE: EC SHALL ENSURE THAT LUGS ARE LARGE ENOUGH TO FACILITATE OVERSIZED INCOMING CABLES REQUIRED BY X-RAY EQUIPMENT. REFER TO INCOMING WIRE SIZE NOTES.

Dwg No. 2408-29-A-F

drawn by: Cory Kimbrough

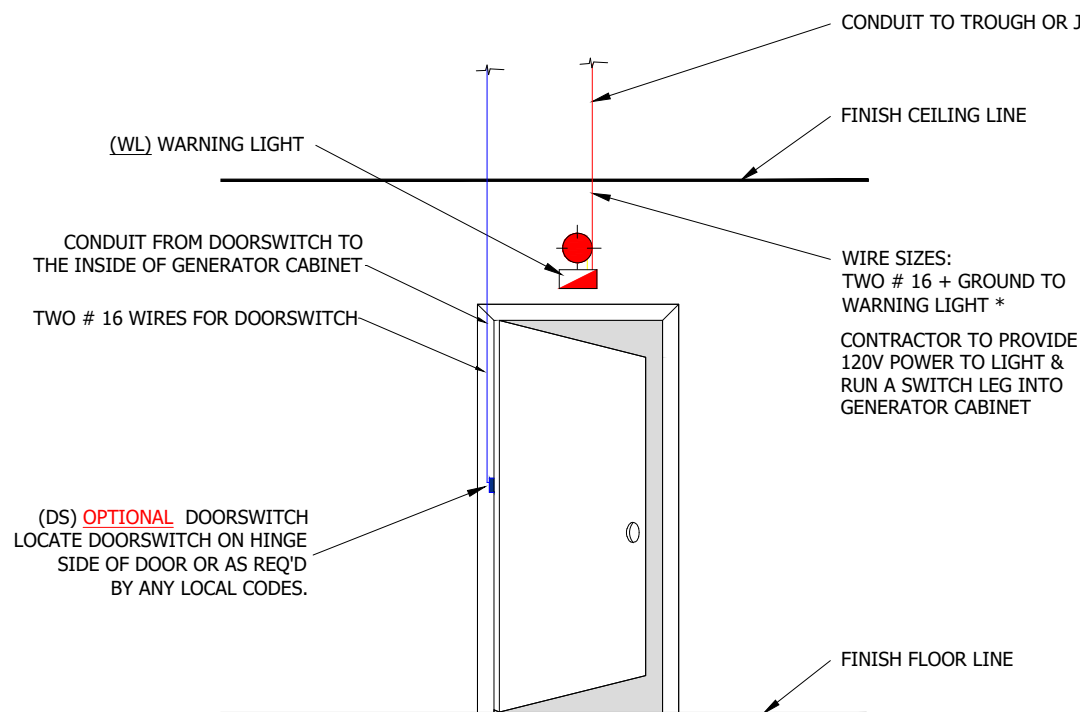
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WARNING LIGHT DETAIL & (OPTIONAL) DOORSWITCH



NOTE: IF DOUBLE DOORS ARE APPLIED, USE ONE DOORSWITCH FOR EACH DOOR HINGE
SEE TROUGH LAYOUT FOR LOCATION OF WARNING LIGHT/DOORSWITCH LOCATIONS

RUN POWER AND RETURN FOR WARNING LIGHT TO X-RAY GENERATOR.
GENERATOR HAS NORMALLY OPEN CONTACT TO ENABLE WARNING LIGHT.

DESCRIPTION:

WARNING LIGHT = 4" [10cm] STANDARD BOX WITH "X-RAY ON" OR RED WARNING LAMP OVER DOOR.

OPTIONAL DOORSWITCH = INTERRUPT MICROSWITCH IN JAMB, SQUARE "D", TYPE AO, NORMALLY OPEN, 24-120 VOLTS.

PURPOSE OF MICROSWITCH:

TO PREVENT AN X-RAY EXPOSURE FROM OCCURRING ONCE THE DOOR IS OPENED. CUSTOMER TO DETERMINE REQUIREMENT AND LOCATION BASED ON LOCAL CODES.

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