

CHRISTUS ST. ELIZABETH HOSPITAL  
SAINT E CATH LAB 1 UPGRADE  
CATH LAB 1

-----  
BEAUMONT, TX  
DATE: 13 APR 22

### DIRECTORY

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#### ENGINEERING APPROVAL

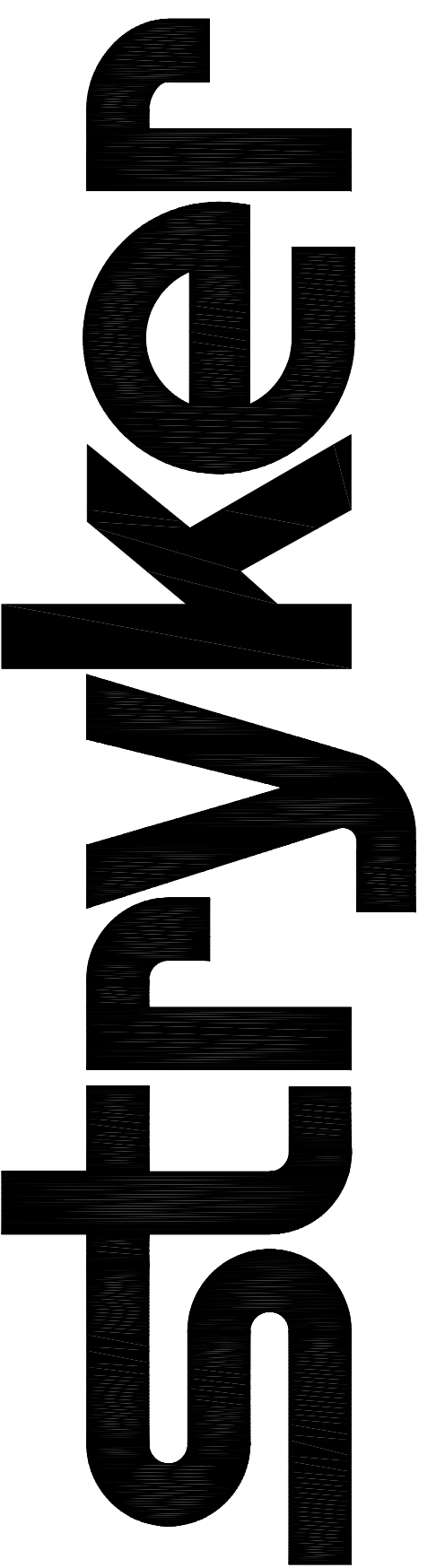
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APPROVED REVISION: 4

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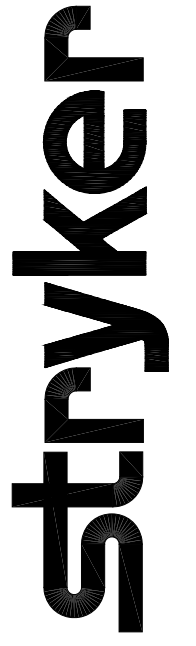
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REP: MICHAEL PARRISH  
P.M: SPIRO PHILLOS

SHEET:

TITLE

SUMMARY LIST OF CHANGES		
KEY #	DESCRIPTION OF CHANGE	ROOM #
1	MOVE ITEM D -- 5" TOWARD PLAN NORTH	CATH



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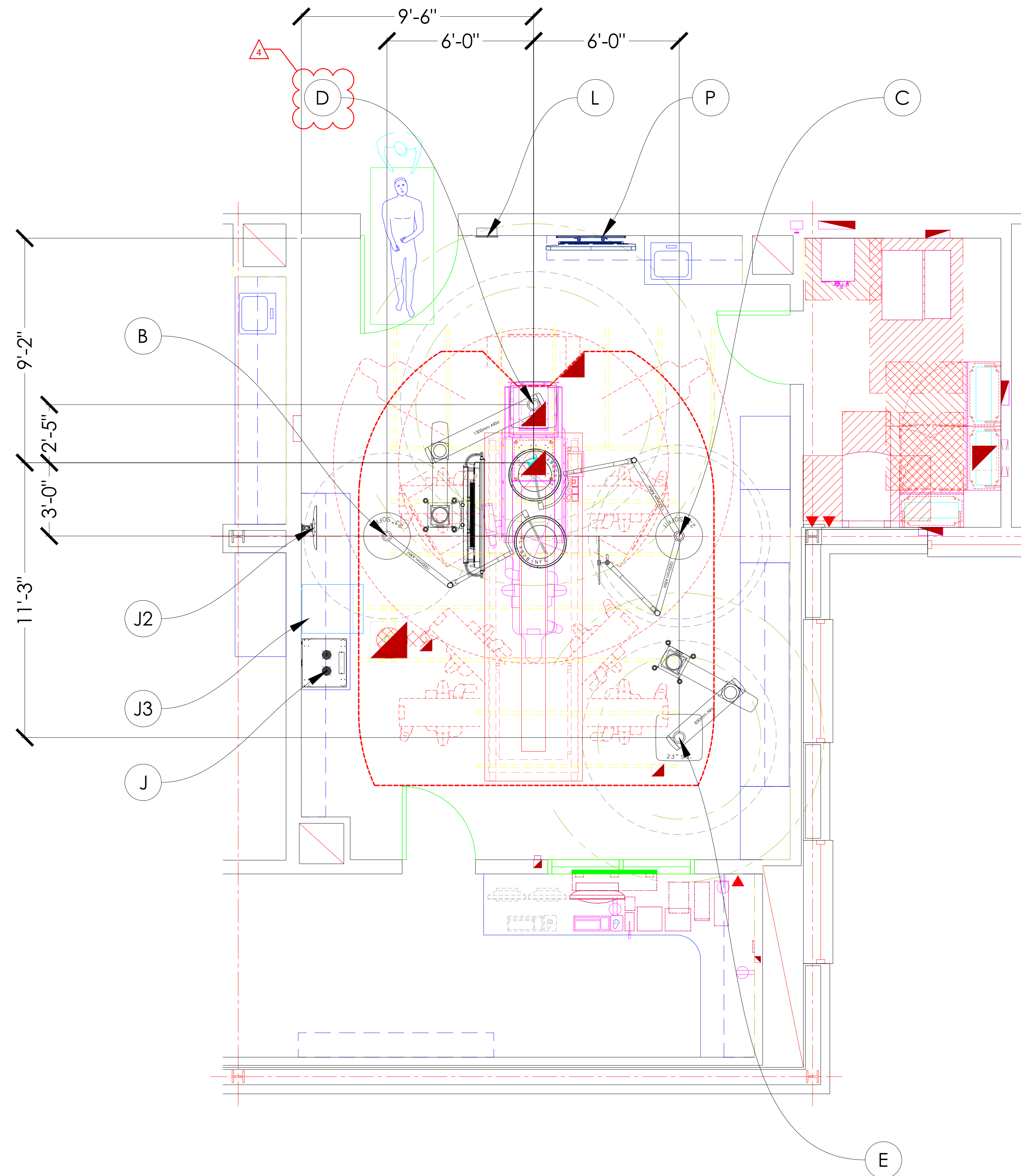


NOTES: (UNLESS OTHERWISE SPECIFIED)

EQUIPMENT SCHEDULE		
KEY ITEM	NAME	QTY
B	SLX 528 LIGHT (1000)	1
C	MAVIG LEAD SHIELD (1100) / SLX 528 LIGHT (1000)	1
D	S-SERIES SPS-2-LSM3 MONITOR BOOM (1300)	1
E	S-SERIES SPS-2 ANESTHESIA BOOM (850)	1
J	COR LITE (15U RACK)	1
J2	TOUCH PANEL (WALL)	1
J3	EIZO LMM UNIT	1
K	SK ENCLOSURE (LOCATION TBD)	1
L	WALL CONTROL PANEL (SURFACE)	1
P	32" WALL MONITOR	1

CONDUIT SCHEDULE		
CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
B - K	2	1"
B - C	1	1"
C - K	2	1"
D - J	2	2"
D - J3	1	2"
E - J	1	2"
J2 - J	1	1 1/4"
K - *	1	1"
L - K	1	1"
P - J	1	1 1/4"

\* NEAREST ELECTRICAL PANEL



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**EQUIPMENT LAYOUT**

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SCALE: 3/8" = 1'



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL CONDUIT RUNS INCLUDE INSULATED BUSHINGS AND PULL STRINGS.
2. CONDUIT RUNS CANNOT EXCEED 45' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS.
3. CABLES BETWEEN ITEMS OVER 45 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE REFER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS.
4. THE PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE.
5. EQUIPMENT LIST:

**PRE-INSTALL NOTES SCHEDULE**

KEY ITEM	NAME
<b>B</b> <b>C</b>	<b>SLX SURGICAL LIGHT</b> <b>MAVIG LEAD SHIELD / SLX SURGICAL LIGHT</b> "STRUCTURAL: - STRYKER PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - COMMON MOUNTING PLATE, A 21.25-INCH CIRCULAR HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 23.25-INCH CIRCULAR CEILING COVER CONCEALS HOLE AFTER SUSPENSION IS INSTALLED CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE. TERMINATE ALL CONDUIT WITHIN 18" OF THE CENTER OF THE CEILING MOUNT. ACCESS PANEL: - ONE (1) 24" X 24" ACCESS PANEL ADJACENT TO SUSPENSION"
<b>D</b> <b>E</b>	<b>S-SERIES SPS-2-LSM3 MONITOR BOOM</b> <b>S-SERIES SPS-2 ANESTHESIA BOOM</b> "STRUCTURAL: - STRYKER COMMON PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - TO ENSURE ADEQUATE ROOM FOR INSTALLATION OF THE S-SERIES BOOM THE OWNER AND/OR CONTRACTOR MUST ENSURE THAT STRUCTURAL/UTILITY COMPONENTS DO NOT INTERFERE WITH ANY PART OF THE S-SERIES BOOM. THIS "NO-FLY" ZONE EXTENDS 12-INCHES FROM THE MOUNTING PLATE ON ALL SIDES, AND 16-INCHES UP FROM THE FINISHED CEILING. - REQUIRED: A 21-INCH SQUARE HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 23-INCH SQUARE CEILING COVER CONCEALS HOLE AFTER BOOM IS INSTALLED POWER: - REFER TO S-SERIES MANUFACTURING SERVICE MODULE DRAWING FOR ELECTRICAL CIRCUIT COUNT. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIP DURING STRYKER INSTALLATION. - ALL ELECTRICAL CIRCUITS SHALL BE CONNECTED TO S-SERIES JUNCTION BOX OR BOXES. - THE S-SERIES JUNCTION BOX (7.4" X 3.5" X 3.74") ARRIVES ATTACHED TO THE S-SERIES BOOM FLANGE BY A GROUND WIRE. THE JUNCTION BOX MUST BE MOUNTED ADJACENT TO THE MED GAS LINES BY THE CUSTOMER/CONTRACTOR ACCORDING TO NATIONAL AND LOCAL BUILDING CODES. REQUIRED ACCESS PANEL: - ONE (1) 24-INCH X 24-INCH ACCESS PANEL ADJACENT TO BOOM, SO JUNCTION BOXES, TC JUNCTION BOX AND MED GAS LINES CAN BE EASILY ACCESSED. CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18-INCHES OF THE CENTER OF THE CEILING MOUNT. PLUMBING: - INSTALL VALVE BRIDGE TO TOP OF PRE-INSTALL PLATE. ALL GAS LINES MUST BE TERMINATED WITH STRYKER SUPPLIED GAS RISERS BY CUSTOMER/MEDGAS INSTALLER. - ALL FINAL DISS CONNECTIONS TO BE MADE BY CUSTOMER/MEDGAS INSTALLER AFTER STRYKER INSTALLATION."

**PRE-INSTALL NOTES SCHEDULE**

KEY ITEM	NAME
<b>J</b>	<b>COR LITE</b> "DIMENSIONS: - TOTAL SPACE REQUIRED: 27.5"W X 31"H X 29"D - STRYKER-PROVIDED 9U RACK: 23.62"W X 19.83"H X 21.71"D POWER: TWO (2) 20A CIRCUITS** AT THE MEDIA HUB LOCATION **NOTE: 3 CIRCUITS MAY BE REQUIRED WITH CERTAIN SUSPENSIONS, CONSULT WITH YOUR STRYKER PROJECT ENGINEER. - ALL RECEPTACLES REQUIRE CRITICAL POWER. - ALL ELECTRICAL CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR WHAT IS SPECIFIED IN THE IBC. - A UPS IS RECOMMENDED FOR AT LEAST ONE (1) OF THE 20A CIRCUITS. DATA: TWO (2) ETHERNET CONNECTIONS BACKBOX: ONE (1) 12"W X 12"H X 4"D (OR LARGER) JUNCTION BOX FLUSH MOUNTED AND COVERED WITH A 12"X12" U-PROFILE SPLIT PLATE WITH A 6" DIAMETER PASSTHROUGH. - SET BOTTOM OF BOX 9" ABOVE FINISHED FLOOR. - NOTE: TERMINATE ALL INTEGRATION CONDUITS TO THIS JUNCTION BOX."
<b>J2</b>	<b>TOUCH PANEL (WALL)</b> "CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNT J-BOX WITHIN 18" OF TOUCH PANEL LOCATION GCX TRACK: CONTRACTOR TO MOUNT 4" X 7" (W X H) TRACK VERTICALLY ON THE WALL AT A CUSTOMER SPECIFIED HEIGHT ABOVE FINISHED FLOOR POWER: TWO (2) QUAD OUTLETS WITHIN 18" OF TOUCH PANEL LOCATION. "
<b>J3</b>	<b>EIZO LMM UNIT</b> "BACKBOX: - ONE (1) 6"W X 6"H X 4"D (OR LARGER) JUNCTION BOX FLUSH MOUNTED. - MOUNT J-BOX WITHIN 18" OF UNIT LOCATION RACK MOUNTING DIMENSIONS: 16.93"W X 17.72"D X 6.97H OVERALL DIMENSIONS: 19.01"W X 19.41"D X 6.97H CONNECTOR: ONE (1) ETHERNET (RJ45) POWER REQUIREMENT: - TWO (2) STANDARD DUPLEX OUTLETS MOUNTED TO THE UNIT. - AC 100 - 120V, 200 V: 50/60 HZ (REDUNDANCY: TWO (2) INDEPENDENT POWER SUPPLIES HOT SWAP CAPABLE. NOTE: THIS UNIT IS DESIGNED TO HOUSED IN A HOSPITAL/CONTRACTOR PROVIDED EQUIPMENT RACK. (REV A)"

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REP: MICHAEL PARRISH  
P.M.: SPIRO PHILLOS

SHEET:  
**P-1**



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<b>K</b>	<p><b>SK ENCLOSURE</b>                      "ENCLOSURE DIMENSIONS/MOUNTING:                      - SINGLE ENCLOSURE 19.69" X 15.75" X 7.87" (1-2 LIGHTHEADS), WEIGHT = 64LBS                      - DOUBLE ENLCOSURE 19.69" X 31.5" X 7.87" (3-4 LIGHTHEADS), WEIGHT = 128 LBS                      CONDUIT:                      - MAXIMUM LENGTH OF 45 FEET (15M) OF CONDUIT RUN TO BOTH THE MOUNTING PLATE AND THE TO WALL CONTROL BOX                      - TWO (2) 1" FROM SK ENCLOSURE TO EACH LIGHT MOUNTING LOCATION,                      - ONE (1) 1" BETWEEN LIGHT MOUNTING LOCATIONS,                      - ONE (1) 1" FOR MAINS 120VAC TO SK ENCLOSURE (UP TO TWO(2)) LIGHTS PER CIRCUIT).                      POWER:                      - MAINS AC POWER SHOULD BE 120 VAC, 50/60 HZ CONNECTED WITH 3 WIRE, 12 AWG MIN., 600 V TERMINATED TO FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE                      - DC WIRING FROM SK ENCLOSURE TO MOUNTING PLATE SHOULD BE 12 AWG, 600 VOLT, 1 WIRE PAIR PER LIGHT HEAD AND 1 GROUND WIRE PER MOUNTING PLATE. WIRES TERMINATE AT NON-FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE AND FALL A MINIMUM OF 18 INCHES BELOW THE CEILING AT THE MOUNTING PLATE                      - CONTRACTOR IS RESPONSIBLE FOR RUNNING POWER FROM AN AC MAINS SUPPLY TO THE SK BOX                      - CONTRACTOR IS RESPONSIBLE FOR RUNNING DC WIRING FROM THE SK ENCLOSURE TO THE SURGICAL LIGHT MOUNTING PLATE                      - CONTRACTOR IS RESPONSIBLE FOR MAKING BOTH AC AND DC CONNECTIONS IN THE SK ENCLOSURE"</p>
<b>L</b>	<p><b>WALL CONTROL PANEL (SURFACE)</b>                      "CONDUIT:                      - ONE (1) 1" CONDUIT WITH FINISH GROMMETS TO SK ENCLOSURE OR ON TUBE ELECTRONICS. ENSURE ONE END OF CONDUIT TERMINATES TO THE BACK OF THE BACKBOX                      - ONE (1) 1" CONDUIT WITH FINISH GROMMETS TO VIDEO INTEGRATION/HUB LOCATION. REFER TO ROOM LAYOUT FOR LOCATION. ENSURE ONE END OF CONDUIT TERMINATES TO THE BACK OF THE BACKBOX                      BACK BOX:                      - CONTRACTOR MUST SUPPLY ONE (1) STANDARD 4X4 JUNCTION BOX MOUNTED DIRECTLY BEHIND THE STRYKER-PROVIDED WALL CONTROL BOX, LOCATED 53" (1.35M) ABOVE FLOOR.                      POWER: NONE"</p>
<b>P</b>	<p><b>32" WALL MONITOR</b>                      "CONDUIT:                      - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE                      BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING                      - MOUNTED DIRECTLY ABOVE THE TOP OF THE MOUNTING BRACKET.                      POWER: ONE (1) STANDARD DUPLEX OUTLET MOUNTED ADJACENT TO JUNCTION BOX.                      STRUCTURAL: CUSTOMER/CONTRACTOR TO MOUNT STRYKER PROVIDED BRACKET TO THE WALL IN THE DESIRED LOCATION WITH PROPER REINFORCEMENT TO SUPPORT THE MONITOR PRIOR TO STRYKER INSTALLATION.                      DIMENSIONS: 49.5" X 28.8" X 3.4"                      WEIGHT: 74.1LBS                      STRYKER-PROVIDED WALL BRACKET DEPTH: 3.4"                      NOTE: STRYKER PROJECT MANAGER WILL PROVIDE MOUNTING SPECIFICATIONS."</p>

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