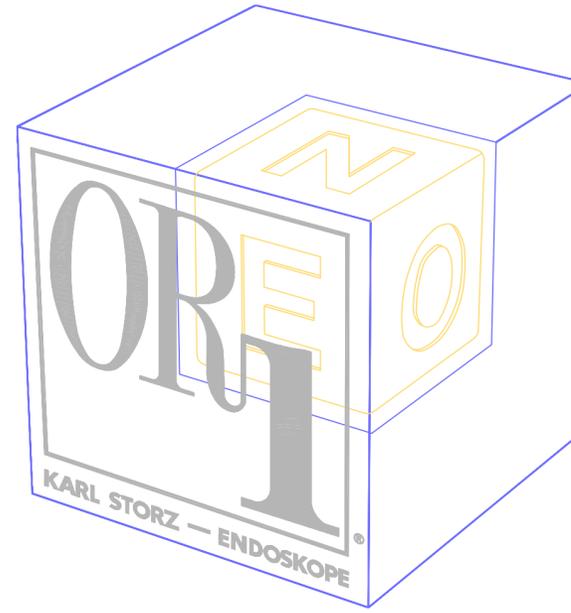


INDEX OF DRAWINGS

AV.IP.6.0.0	COVER SHEET
AV.IP.6.1.1	LEGENDS, SCHEDULES & RISERS
AV.IP.6.1.2	REMOTE NEO-IP SPLIT SYSTEM RISER
AV.IP.6.2.1	REQUIREMENTS DETAILS #1
AV.IP.6.2.2	REQUIREMENTS DETAILS #2
AV.IP.6.2.3	REQUIREMENTS DETAILS #3 (NEO-IP)
AV.IP.6.2.4	REQUIREMENTS DETAILS #4
AV.IP.6.2.5	REQUIREMENTS DETAILS #5
AV.IP.6.2.5	REQUIREMENTS DETAILS #6 (CollaboratOR1)
AV.IP.6.4.01	FLOOR PLAN & RCP - OR1 AIR
AV.IP.6.4.02	FLOOR PLAN & RCP - OR1 NEO IP
AV.IP.6.5.01	KSIS PROJECT MANAGEMENT REQUIREMENTS

KARL STORZ ENDOSCOPY-AMERICA STAFFORD, TEXAS



TYPICAL HOSPITAL CITY, STATE ROOM NUMBER

FACILITY REQUIREMENTS OR1® AIR & NEO IP SERIES SYSTEM



13803 N. PROMENADE
STAFFORD, TX 77477-5753
PH. 281.566.4100
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COVER SHEET

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ENG. BY:	
DATE:	00/00/2022
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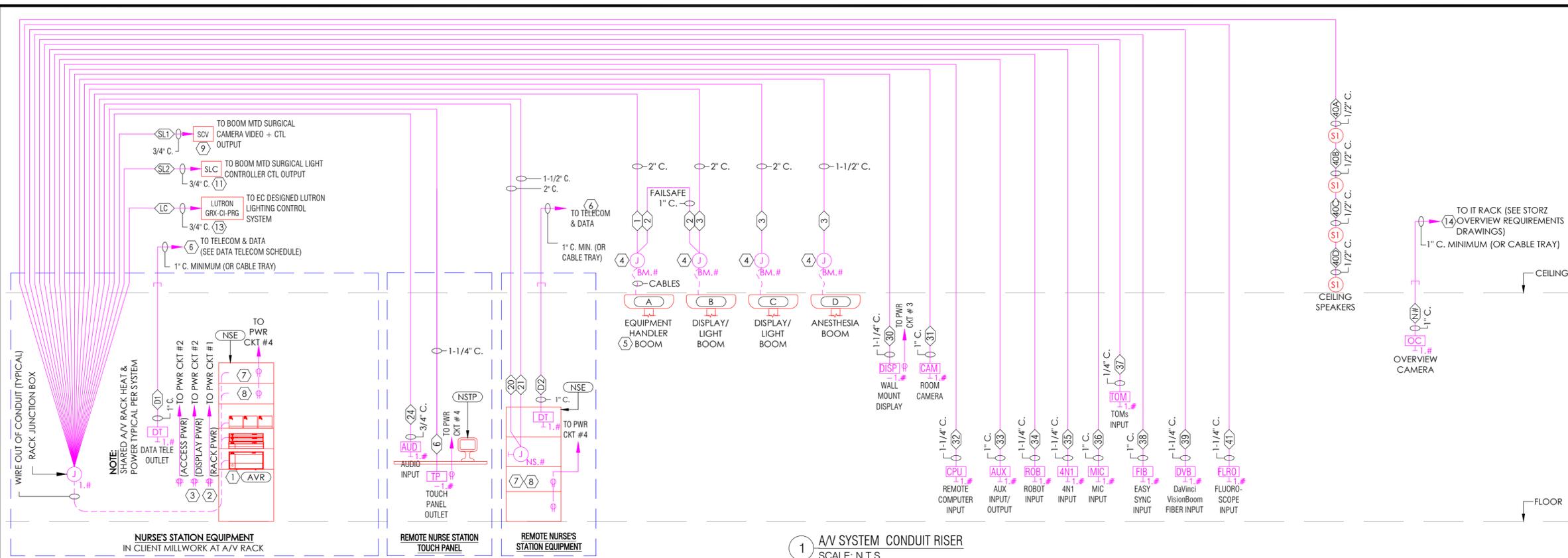
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6.0.0**

01 OF 12

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NOTE
1. MAXIMUM 70 FT. CONDUIT LENGTH (100 FT. CABLE LENGTH) ON RUNS FROM RACK TO OR EQUIPMENT.
2. DEDICATED 4 mm² - 6 mm², MAX. Ø 5.9 mm GROUND WIRE FROM GROUND PANEL TO A/V RACK PROVIDED BY C.C. (NOT STORZ).
3. A/V EQUIPMENT REQUIRES ADEQUATE AIR EXCHANGE PASSIVE OR ACTIVE FOR NOMINAL TEMPERATURE OF 90° FAHRENHEIT.

JUNCTION BOX SCHEDULE

J-BOX #	SIZE	TYPE (NOTE 1 BELOW)	MOUNTING/COMMENT (NOTE 2 BELOW)
J-1.#	12" X 12" X 4" D (MINIMUM)	NEMA 1, SCREW COVER, EQUAL TO HOFFMAN A-SE SERIES	WALL, FLUSH, SEE DETAIL
J-BM.#	8" X 8" X 4" D	NEMA 1, SCREW COVER, EQUAL TO HOFFMAN A-SE SERIES	ABOVE CEILING, ADJACENT TO BOOM
J-MP.#	12" X 12" X 6" D	NEMA 1, SCREW COVER, EQUAL TO HOFFMAN A-SE SERIES	WALL, FLUSH, SEE DETAIL
J-NS.#	8" X 8" X 4" D	NEMA 1, SCREW COVER, EQUAL TO HOFFMAN A-SE SERIES	WALL, FLUSH, FOR NSE, COORD. WITH MILLWORK

JUNCTION BOX SCHEDULE NOTES:
1. ALL BOXES AND COVER PLATES ARE PROVIDED BY THE CLIENTS CONTRACTOR UNLESS NOTED OTHERWISE.
2. MOUNTING REQUIREMENTS SHOWN ARE THE DEFAULT REQUIREMENTS UNLESS OTHERWISE NOTED/DETAILED.

POWER & HEAT LOAD SCHEDULE PER SYSTEM (1 SYSTEMS PER A/V RACK)

CIRCUIT REF. #	VOLTS	AMP	DESTINATION	LOAD	ELECT LOAD (WATTS)	HEAT LOAD (BTU)
1	120 VAC	20	RECEPTACLE @ A/V RACK / Collaborator 4	A/V RACK(IP)	1159.00	3954.51
1	120 VAC	20	RECEPTACLE @ NURSE STATION	OR1 AIR	981	3347.17
1	120 VAC	20	RECEPTACLE @ NURSE STATION	AV RACK(BRAK)	72.25	246.52
2	120 VAC	20	RECEPTACLES @ DISPLAY BOOM(S)	(3)BOOM DISPLAYS	501	1709.41
3	120 VAC	20	RECEPTACLES @ WALL DISPLAY(S)	(2)LCD	346	1180.55
4	120 VAC	20	RECEPTACLES @ NSTP & AIDA	(1)NSTP/AIDA/PRINTER	898	3063.98

POWER SCHEDULE NOTES:
1. ALL A/V POWER CIRCUITS MUST COME FROM THE SAME ELECTRICAL PANEL THAT PROVIDES POWER TO THE PATIENT VICINITY OUTLETS, BOOMS AND SERVICE COLUMNS.
2. ALL A/V POWER CIRCUITS ARE TO HAVE FULL SIZE DEDICATED NEUTRALS.
3. CIRCUITS SHOWN ARE FOR DEDICATED USE WITH STORZ EQUIPMENT ONLY
4. A/V CIRCUITS SHALL BE ON THE SAME PHASE AND FEED FROM THE SAME ISOLATED POWER PANEL THAT FEEDS ALL THE PATIENTS CRITICAL EQUIPMENT.
5. CIRCUIT BREAKER TRIP CURVE CHARACTERISTICS SHALL BE EQUAL TO OR GREATER THAN SQUARE-D QOQB-HM SERIES.

DATA TELECOM SCHEDULE (CLIENT CABLING BY C.C.)

RUN #	LOCATION	C.C. TO PROVIDE
D1	DT OUTLET AT RACK	(4) HOSPITAL NETWORK (FOR STORZ NETWORK EQUIP/VIDEO CONF.)
D2	DT OUTLET AT NSE	(2) HOSPITAL NETWORK (FOR STORZ NETWORK EQUIP/VIDEO CONF.)

DATA TELECOM SCHEDULE NOTES:
1. CONNECTIONS REQUIRED FOR VIDEOCONFERENCING AND/OR VIDEO STREAMING.

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SHEET NOTES

- A/V EQUIPMENT RACK (AVR):** RACK MAYBE SUPPLIED BY KARL STORZ BASED ON SYSTEM SOLD.
- RACK POWER RECEPTACLE:** LOCATED AT A/V RACK FOR STORZ RACK POWER AND ASSOCIATED AV EQUIPMENT. RACK RECEPTACLE TO BE PROMINENTLY LABELED 'RACK POWER'.
- DISPLAY POWER RECEPTACLE AT RACK:** LOCATED AT RACK FOR BOOM MOUNTED DISPLAYS AND/OR TOUCH PANELS WITH REMOTE 24VDC POWER SUPPLIES. DISPLAY RECEPTACLE SHALL BE PROMINENTLY LABELED 'DISPLAY POWER'.
- BOOM JUNCTION BOXES:** MOUNT ADJACENT TO BOOM SUPPORT STRUCTURE. PROVIDE CEILING ACCESS BELOW BOXES IF CEILING SPACE AT BOX LOCATION IS INACCESSIBLE AFTER FINISHED CEILING IS INSTALLED. SEE BOOM JUNCTION BOX DETAIL.
- POWER CIRCUITS & RECEPTACLES IN EQUIPMENT HANDLER BOOMS:** STORZ EQUIPMENT TYPICALLY REQUIRES (2)20A, 120VAC CIRCUITS WITH (4) RECEPTACLES EACH. SEE BOOM SUPPLIER DRAWINGS FOR ELECTRICAL REQUIREMENTS AT BOOMS.
- DATA/TELEPHONE BOX:** DATA AND TELECOM CONNECTIVITY REQUIRED FOR STORZ INTEGRATION. PROVIDE SUITABLE IDENTIFICATION LABELS. SEE TELECOM/DATA SCHEDULE FOR REQUIREMENTS.
- NURSE STATION BOXES:** BOXES SHOWN ARE TO BE INTEGRATED WITH THE MILLWORK. SEE NURSE STATION DETAIL. VERIFY LOCATIONS WITH STORZ PRIOR TO INSTALLATION. C.C. TO PROVIDE ACCESS HOLES/WIREWAYS IN MILLWORK FOR CABLES.
- NURSE STATION EQUIPMENT POWER:** PROVIDE AT LEAST THE QUANTITY OF DUPLEX RECEPTACLES IN NSE CABINET FOR STORZ EQUIPMENT AND COMPUTERS AS SHOWN ON STORZ NURSE STATION EQUIPMENT (NSE) DETAIL.
- BOOM MOUNTED SURGICAL LIGHT CAMERA:** CONDUIT FROM THE SURGICAL LIGHT CAMERA CONTROL UNIT (VIDEO/CONTROL) OUTPUTS TO THE NURSE STATION IS REQUIRED FOR STORZ INTEGRATION. VERIFY OUTPUT LOCATION WITH SURGICAL LIGHT CAMERA CONTROL UNIT SUPPLIER.
- ROOM LIGHTING CONTROL:** DEDICATED SINGLE LUTRON GRX LIGHTING CONTROLLER, WITH 6 ZONES. LIGHTING CONTROL EQUIPMENT & DESIGN BY CLIENTS CONTRACTOR(NOT STORZ).
- BOOM MOUNTED SURGICAL LIGHTS:** CONDUIT FROM THE SURGICAL LIGHT CONTROLLER TO THE NURSE STATION (STORZ COMPUTER LOCATION) IS REQUIRED FOR STORZ REMOTE CONTROL OF SURGICAL LIGHTING.
- MULTIPLE TOUCH PANEL HUB (MTPH):** REQUIRED FOR SYSTEMS REQUIRING ADDITIONAL TOUCH PANELS. (3)EXTRA TOUCH PANELS CAN BE ADDED FOR A MAX OF (4)TOUCH PANELS PER SYSTEM. (MTPH SUPPLIED BY STORZ)
- CC OUTLET CONDUIT:** PROVIDE CONDUIT FROM OUTLET TO CONDUIT /CABLE TRAY IN CORRIDOR FOR STORZ CompleteView CAMERA SYSTEM. SEE STORZ CompleteView SYSTEM REQUIREMENTS DRAWINGS FOR C.C. REQUIREMENTS.

GENERAL NOTES & ABBREVIATIONS

GENERAL NOTES:
1. THESE DRAWINGS ARE FOR REQUIREMENTS REFERENCE ONLY. NOT FOR CONSTRUCTION.
2. SUPPLY AND INSTALLATION OF ALL CONDUIT, POWER CIRCUITS, BACK BOXES, ELECTRICAL DEVICES, ELECTRICAL WIRING IS TO BE PROVIDED BY THE CLIENTS ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
3. C.C. TO PROVIDE ADEQUATE VENTILATION FOR NOMINAL A/V EQUIPMENT TEMPERATURE OF 90° FAHRENHEIT.

GENERAL CONDUIT & BOX NOTES
1. C.C. TO PROVIDE BLANK COVER PLATES FOR ALL JUNCTION BOXES.
2. CC. TO PROVIDE CABLE PROTECTION BUSHINGS ON ALL BOXES AND CONDUIT STUB-OUTS.
3. ALL CONDUIT TO BE MINIMUM 3/4" METALLIC U.N.O.
4. MAXIMUM LENGTH FOR FLEX CONDUIT IF USED FOR STORZ AV CABLING IS 25 FEET.
5. CONDUITS TO BE DE-BURRED, CLEANED, CAPPED, AND FURNISHED WITH NYLON PULL ROPE.
6. CONDUIT STUB-OUTS, JUNCTION BOXES, AND OUTLETS SHALL BE SUITABLY LABELED FOR IDENTIFICATION OF FUNCTION, J-BOX #, AND/OR CONDUIT NUMBER.

ABBREVIATIONS:
A.F.F. = ABOVE FINISHED FLOOR
A/R = AS REQUIRED
B.C.P. = BLANK COVER PLATE
B.F.C. = BELOW FINISHED CEILING
C.C. = CLIENTS CONTRACTOR (NOT BY KARL STORZ)
C.P. = COVER PLATE
CRE = CONTROL ROOM EQUIPMENT
HT. = HEIGHT
I.G. = ISOLATED GROUND (TECHNICAL GROUND)
I.P. = ISOLATED PWR. (UNGROUND NEUTRAL PWR)

NSE = NURSE STATION EQUIPMENT
NSTP = NURSE STATION TOUCH PANEL
N/A = NOT APPLICABLE
N/R = NOT REQUIRED
N/U = NOT USED
O.R. = OPERATING ROOM
RJB = RACK JUNCTION BOX
S.F. = STERILE FIELD
T.B.D. = TO BE DETERMINED
U.N.O. = UNLESS NOTED OTHERWISE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	BOX (NOTE 1 BELOW)	MOUNTING/COMMENT
[AP]	CEILING ACCESS PANEL	(NOTE 3 BELOW)	FOR REQUIRED ACCESS TO BOXES ABOVE CLG.
[#]	EQUIPMENT LABEL		DENOTES EQUIPMENT AT LOCATION SHOWN
[#]	CONDUIT OR CABLE RUN #		CONDUIT/CABLE RUN REFERENCE #
[—]	CONDUIT STUB OUT		CONDUIT STUB OUT WITH BUSHING
[J]	JUNCTION BOX	SEE J-BOX SCHEDULE	SEE J-BOX SCHEDULE
[4N1]	AUXILIARY INPUT BOX	RACO 263 DATA-BOX, TR-1G	WALL, FLUSH, RECEPTACLE HT. SEE 6/AV/EN.6.21
[AUD]	AUDIO INPUT BOX	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, ABOVE COUNTERTOP
[AUX]	AUXILIARY INPUT/OUTPUT BOX	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, RECEPTACLE HT.
[CAM]	HD RM CAMERA BOX(MINIRRAY)	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, SEE DETAIL 11/AV/EN.6.21
[CPU]	COMPUTER INPUT BOX	RACO 263 DATA-BOX, TR-1G	WALL, FLUSH, RECEPTACLE HT. SEE 6/AV/EN.6.21
[DISP]	DISPLAY BOX	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, SEE DETAIL 15/AV/EN.6.21
[DISP2]	DISPLAY BOX(COLLABORATOR)	SnapAV 14x14 VersaBox	WALL, FLUSH, SEE DETAIL FOR Collaborator DISPLAY
[DT]	DATA/TELEPHONE BOX	A/R, TYPICAL 1G	WALL, FLUSH, RECEPTACLE HT. (NOTE 6)
[MIC]	MICROPHONE BOX	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, RECEPTACLE HT.
[CC]	CompleteView CAMERA OUTLET	A/R, TYPICAL 1G	WALL, FLUSH, 12" B.F.C. (NOTE 8)
[CC]	CompleteView CAMERA OUTLET	A/R, TYPICAL 1G	CEILING, FLUSH, SEE DETAIL
[POD]	iPOD EXTENSION OUTLET	4S, TR-2G, 2G-B.C.P.	WALL, FLUSH, TYPICAL 4" BELOW COUNTERTOP
[ROB]	ROBOT INPUT BOX	6x6x4, COVER W/1G-B.C.P.	WALL, FLUSH, RECEPTACLE HT. SEE DETAIL
[S]	CEILING SPEAKER	CUTOUT (PER TEMPLATE)	HOLE CUT IN SHEETROCK BY C.C.(NOT STORZ), CUTOUT TEMPLATE PROVIDED BY STORZ.
[SLC]	SURGICAL LIGHT CCU OUTPUT	SEE VENDER SPECIFICATIONS	COORDINATE W/SURGICAL LIGHT VENDER
[TOM]	TOMS INPUT BOX	4S, TR-2G, 2G-B.C.P.	WALL, FLUSH, SWITCH HT.
[TP]	TOUCH-PANEL BOX	4S, TR-1G, 1G-B.C.P.	WALL, FLUSH, TYPICAL 4" BELOW COUNTERTOP
[⊖]	DUPLEX POWER RECEPTACLE	A/R, TYPICAL 1G	WALL, FLUSH, RECEPTACLE HT.
[⊖]	QUAD POWER RECEPTACLE	A/R, TYPICAL 2G	WALL, FLUSH, RECEPTACLE HT.

SYMBOL LEGEND NOTES

- ALL BOXES AND COVER PLATES ARE PROVIDED BY THE CLIENTS CONTRACTOR UNLESS NOTED OTHERWISE.
- MOUNTING REQUIREMENTS SHOWN ARE THE DEFAULT REQUIREMENTS UNLESS OTHERWISE NOTED/DETAILED.
- BOXES/OUTLETS/RECEPTACLES LOCATED ABOVE THE CEILING MUST BE WITHIN 18 INCHES OF THE CEILING AND BE ACCESSIBLE FROM THE SPACE BELOW. CLIENT / C.C. TO PROVIDE SUITABLE CEILING ACCESS PANELS AT DEVICE LOCATIONS. (ACCESS PANELS EQUAL TO WILLIAMS BROS. MODEL WBFCR).
- "RECEPTACLE HEIGHT" DENOTES MOUNTING HEIGHT OF REGULAR RECEPTACLES SPECIFIED FOR THIS PROJECT.
- "SWITCH HEIGHT" DENOTES MOUNTING HEIGHT OF REGULAR SWITCHES SPECIFIED FOR THIS PROJECT.
- SEE DATA/TELECOM SCHEDULE FOR CLIENT CABLING REQUIREMENTS.
- SEE STORZ STREAMCONNECT SYSTEM REQUIREMENTS FOR CLIENT REQUIREMENTS.
- SEE STORZ CompleteView SYSTEM REQUIREMENTS FOR CLIENT REQUIREMENTS.
- C.C. TO SUSPEND SPEAKER ASSEMBLY FROM STRUCTURE ABOVE CEILING.
- BOX/OUTLET NUMBER: "1.#" FIRST NUMBER DENOTES BOX/OUTLET NUMBER. "#" DENOTES ROOM SEQUENCE.

BOX TYPES:
1G = SINGLE GANG METALLIC BACK BOX (MINIMUM DEPTH 3-1/2").
2G = 2 GANG METALLIC BACK BOX (MINIMUM DEPTH 3-1/2").
4G = 4 GANG METALLIC BACK BOX (MINIMUM DEPTH 3-1/2").
4S = 4" X 4" SQUARE BACK BOX WITH TRIM RING AS NOTED (MINIMUM DEPTH 3-1/2").
TR-1G = TRIM RING FOR MOUNTING 1 GANG PLATE.
TR-2G = TRIM RING FOR MOUNTING 2 GANG PLATE.
#G-B.C.P. = BLANK GANG METALLIC, GANG SIZE AS DENOTED BY #.

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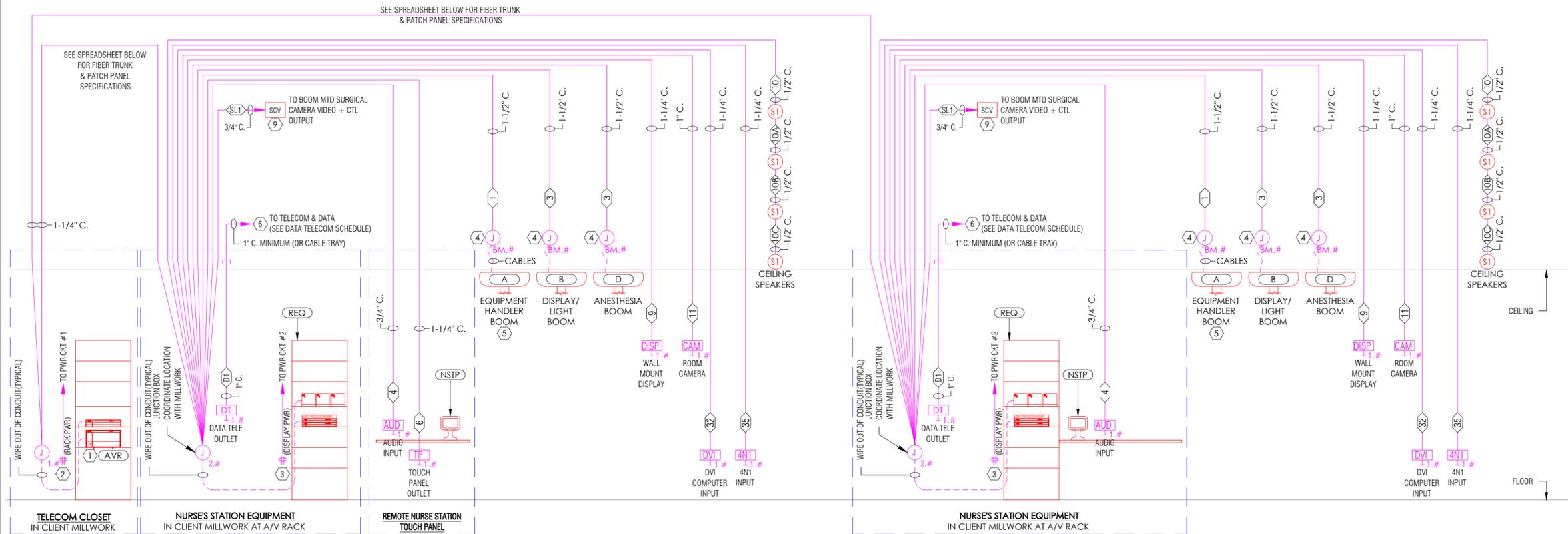
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1 A/V SYSTEM CONDUIT RISER - REMOTE SPLIT SYSTEM
SCALE: N.T.S.

NOTE:
1. MAXIMUM 70 FT. CONDUIT LENGTH (100 FT. CABLE LENGTH) ON RUNS FROM RACK TO OR EQUIPMENT WITH OUT FIBER TRUNK.
2. DEDICATED 4 mm² - 6 mm², MAX. Ø 5.9 mm GROUND WIRE FROM GROUND PANEL TO A/V RACK PROVIDED BY C.C. (NOT STORZ).
3. A/V EQUIPMENT REQUIRES ADEQUATE AIR EXCHANGE PASSIVE OR ACTIVE FOR NOMINAL TEMPERATURE OF 90° FAHRENHEIT.

Fiber Optic Trunk Cable Specification	
Cable Type:	Indoor Trunk
Cable Jacket Rating:	Plenum (OFNP)
Fiber Type:	Multimode OM3 50/125µm or OM4 50/125 µm
Connector Type End 'A':	MPO (12 Strand) Male
Connector Type End 'B':	MPO (12 Strand) Male
Cable Polarity:	Method B
Fiber Count:	Varies by System 96
Jacket Color:	Aqua
Maximum Cable Attenuation:	3.5dB/km at 850nm (Multimode) 1.5dB/km at 1300nm
Maximum Connector Insertion Loss:	Multimode MPO: 0.50dB
Maximum Connector Return Loss:	Multimode MPO: 26dB
Cable Maximum Outside Diameter (OD):	11.1mm
Minimum Bend Radius:	Under load: 20 x cable OD Static: 10 x cable OD
Cable Flex:	100 Cycles
Cable Twist:	10 Cycles
Connector Durability:	MTP - 500 Mating Cycles
Transition Outside Diameter (MPO):	48-fiber: 19mm 72-fiber: 19mm 96-fiber: 19mm 144-fiber: 19mm
Pulling Eye Diameter:	48-fiber: 41mm 72-fiber: 41mm 96-fiber: 41mm 144-fiber: 41mm
Breakout Length:	1 meter
Installation Temperature:	0°C to 70°C
Operating Temperature:	-20°C to 70°C

Fiber Optic Patch Panel Cassette Specification	
Fiber Count:	24 x 2 (Total 48)
Fiber Type:	Multimode OM3 50/125µm or OM4 50/125 µm
Front Connectivity:	LC Duplex
Split Sleeve Material:	Zirconia Ceramic
Rear MTP Connectivity:	Multimode TP Adapter(s) with Male Ferrules (pins) and PC Polish
Operating Temperature:	0°C to 70°C
Insertion Loss (Link Loss):	0.75dB Maximum (Per Channel)
Return Loss:	>26dB (Per Channel)
Connector Durability:	MTP - 500 Mating Cycles

- NOTES:**
- CLIENT'S CONTRACTOR PROVIDES FIBER TRUNK & PATCH PANEL @ BOTH ENDS (NOT STORZ)
 - 300m MAX TRUNK LINE DISTANCE

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DATE: 00/00/2022
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PLT SC: N.T.S
Generic_NEO_Facility_Drawings

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JOB NO.
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**AV.IP.
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03 OF 12

**TYPICAL HOSPITAL (NOT PROJECT SPECIFIC)
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FACILITY REQUIREMENTS:
REQUIREMENTS DETAILS #1**

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1 DETAIL - BOOM JUNCTION BOX
SCALE: N.T.S.

2 DETAIL - 4S BOX WITH 1G TRIM RING
SCALE: N.T.S.

3 DETAIL - 4S BOX WITH 2G TRIM RING
SCALE: N.T.S.

4 DETAIL - 1GANG JBOX (SyncEasy)
SCALE: N.T.S.

5 DETAIL - Collaborator 65" Display & Up Box
SCALE: N.T.S.

6 DETAIL - VisitOR1 V4 (3GANG)
SCALE: N.T.S.

7 DETAIL - MULTI-PLATE J-BOX
SCALE: N.T.S.

8 DETAIL - RACK J-BOX ELEVATION (TYP.)
SCALE: N.T.S.

9 DETAIL - TOMS PLATE J-BOX ASSEMBLY
SCALE: N.T.S.

10 DETAIL - 4N1 WALL PLATE
SCALE: N.T.S.

11 DETAIL - 2N1 WALL PLATE
SCALE: N.T.S.

12 DETAIL - BLUETOOTH IN WALL RECEIVER
SCALE: N.T.S.

13 DETAIL - AUDIO INPUT/VOLUME PLATE
SCALE: N.T.S.

14 DETAIL - AUDIO INPUT WLPLT
SCALE: N.T.S.

15 DETAIL - MIC (XLR) PLATE
SCALE: N.T.S.

16 DETAIL - 12G-SDI PLATE
SCALE: N.T.S.

17 DETAIL - DUAL 12G-SDI PLATE
SCALE: N.T.S.

18 DETAIL - CANARYBOX AUDIO PLATE
SCALE: N.T.S.

19 DETAIL - AIDA FOOTSWITCH PLATE
SCALE: N.T.S.

20 DETAIL - HIVE NETWORK WLPLT
SCALE: N.T.S.

21 DETAIL - HIVE CCU WLPLT
SCALE: N.T.S.

22 DETAIL - DVI INPUT PLATE
SCALE: N.T.S.

23 DETAIL - da Vinci FIBER J-BOX ASSEMBLY
SCALE: N.T.S.

24 DETAIL - da Vinci Tile Pro 1 BACK BOX ASSEMBLY
SCALE: N.T.S.

25 DETAIL - ROBOT (DVI) BACK BOX ASSEMBLY
SCALE: N.T.S.

26 DETAIL - CLG. SPEAKER (POWERED)
SCALE: N.T.S.

27 DETAIL - CLG. SPEAKER (OPTION)
SCALE: N.T.S.

29 DETAIL - TOMS REQUIREMENTS
SCALE: N.T.S.

30 DETAIL - TOMS CAMERA
SCALE: N.T.S.

31 DETAIL - CompleteView CAMERA
SCALE: N.T.S.

32 DETAIL - 4K CAMERA W/ENCODER
SCALE: N.T.S.

33 DETAIL - CEILING MOUNTED RM CAM
SCALE: N.T.S.

34 DETAIL - CAMERA CEILING BRACKET
SCALE: N.T.S.

35 DETAIL - ALF-30X-SDIW (WUIS3660)
SCALE: N.T.S.

36 DETAIL - CODEC CAMERA
SCALE: N.T.S.

37 DETAIL - CODEC TOUCH 10
SCALE: N.T.S.

38 DETAIL - CODEC PLUS
SCALE: N.T.S.

39 DETAIL - STEREO AMP
SCALE: N.T.S.

40 DETAIL - CANARYBOX
SCALE: N.T.S.

WARNING:
A/V EQUIPMENT REQUIRES ADEQUATE AIR EXCHANGE PASSIVE
OR ACTIVE FOR NOMINAL TEMPERATURE OF 90° FAHRENHEIT.

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01 REV. 0:	3/31/2022 (INITIAL RELEASE)

DRAWN BY: SSatre
ENG. BY:
DATE: 00/00/2022
FILE NAME: GENERIC_NEO_FACILITY_DRAWINGS.DWG
PLT SC: N.T.S.
Generic_NEO_Facility_Drawings

CHK. BY: DATE:

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GENERIC
DRAWING NUMBER
**AV.IP.
6.2.1**

**TYPICAL HOSPITAL (NOT PROJECT SPECIFIC)
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FACILITY REQUIREMENTS:
REQUIREMENTS DETAILS #2**

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<p>OR1 AIR MAX. WT.: 43.3 LBS MAX. PWR.: 75W HEAT LOAD: 2586 BTU</p> <p>NOTES: 1. 28.5 lbs without SMARTSCREEN 2. 6.2" Height without SMARTSCREEN 3. 2" CABLE CLEARANCE</p> <p>1 DETAIL - OR1 AIR SCALE: N.T.S</p>	<p>AIDA IMAGE CAPTURE MAX. WT. (LOADED): 28 LBS MAX. PWR.: 508 W HEAT LOAD: 1733 BTU</p> <p>NOTES: 1. SINGLE CHANNEL REQUIRES (2) ENCODER & (1) DECODER. 2. DUAL CHANNEL REQUIRES (3) ENCODER & (2) DECODER.</p> <p>2 DETAIL - AIDA BELLA SCALE: N.T.S</p>	<p>AIDA XPAND 1 - 2 MAX. WT. (LOADED): 9.6 LBS MAX. PWR.: 300 W HEAT LOAD: 1024 BTU</p> <p>3 DETAIL - AIDA XPAND 1 & 2 SCALE: N.T.S</p>	<p>HD CONNECT SCALER MAX. WT. (LOADED): 6 LBS MAX. PWR.: 12 W HEAT LOAD: 40.9 BTU</p> <p>NOTES: 1) PLACE NEXT TO AIDA HD CONNECT</p> <p>4 DETAIL - HD CONNECT SCALER SCALE: N.T.S</p>	<p>AIDA PRINT (SONY) MAX. WT. (LOADED): 25.3 LBS MAX. PWR.: 340 W HEAT LOAD: 1160 BTU</p> <p>NOTES: 1. CONNECTED TO AIDA THRU USB CABLE</p> <p>5 DETAIL - AIDA PRINT (SONY) SCALE: N.T.S</p>	<p>CONVERTER MAX. WT.: 0.6 LBS HEAT LOAD: 40.92 BTU/hr</p> <p>6 DETAIL - SDI TRANSPORT CONVERTER SCALE: N.T.S</p>	<p>Distribution Amplifier (DA) MAX. WT.: 0.7 LBS HEAT LOAD: 10.2 BTU/hr</p> <p>NOTES: 1. 1x6 12G-SDI Re-locking DA</p> <p>7 DETAIL - MINI DISPRIBUTION AMPLIFIER SCALE: N.T.S</p>
<p>300 LIGHT SOURCE MAX. WT. (LOADED): 17.5 LBS MAX. PWR.: 700 W HEAT LOAD: 2391 BTU</p> <p>NOTES: 1. GENERAL LOCATED ON EQUIPMENT BOOM</p> <p>8 DETAIL - STORZ XENON 300 Light Source SCALE: N.T.S</p>	<p>OR1 CONTROL NEO (SCB) MAX. WT.: 13.3 LBS MAX. PWR.: 5 A (@100 V AC), 2A (@240 V AC) HEAT LOAD: 1706 BTU</p> <p>9 DETAIL - OR 1 CONTROL NEO (SCB) SCALE: N.T.S</p>	<p>STORZ IMAGE 1 S MAX. WT. (LOADED): 12.5 LBS MAX. PWR.: 500 W HEAT LOAD: 1706 BTU</p> <p>NOTES: 1. TC200 MUST BE PAIRED WITH TC300/TC301 MODULE 2. 6" MINIMUM CABLE CLEARANCE BEHIND MODULES</p> <p>10 DETAIL - STORZ IMAGE 1 S SCALE: N.T.S</p>	<p>WIRELESS MIC RECEIVER MAX. WT.: 10.1 oz MAX. PWR.: 55 W HEAT LOAD: 1.9 BTU</p> <p>11 DETAIL - WIRELESS MIC RECEIVER SCALE: N.T.S</p>	<p>Mixer/Volume Controller (MVC) WT.: 0.6 LBS HEAT LOAD: 16.7 BTU/hr</p> <p>12 DETAIL - AUDIO PROCESSOR SCALE: N.T.S</p>	<p>EN/DECODER MAX. WT.: ?? LBS HEAT LOAD: 82 BTU/hr</p> <p>NOTES: 1. DECODER / ENCODER</p> <p>13 DETAIL - HDMI/DisplayPort En/Decoders SCALE: N.T.S</p>	<p>MFS DVI SCALER MAX. WT.: 7 LBS MAX. PWR.: 24 W HEAT LOAD: 81.84 BTU/hr</p> <p>14 DETAIL - MFS DVI SCALER SCALE: N.T.S</p>
<p>MFS SCALER MAX. WT.: 7 LBS MAX. PWR.: 15 W HEAT LOAD: 51.18 BTU</p> <p>NOTES: 1. CAN BE PLACED IN EQUIPMENT HANDLER, NURSE STATION AND RACK LOCATION 2. WALL PLATE HAS COMPOSITE, S-VIDEO, VGA & DVI</p> <p>15 DETAIL - MFS SCALER (4N1) SCALE: N.T.S</p>	<p>CONVERTER MAX. WT.: 0.5 LBS HEAT LOAD: 30 BTU/hr</p> <p>16 DETAIL - HDMI/SDI 4K CONVERTER SCALE: N.T.S</p>	<p>CONVERTER MAX. WT.: 0.5 LBS HEAT LOAD: 8.5 BTU/hr DEPTH: 0.9"</p> <p>17 DETAIL - HDMI/3G-SDI BI-Directional Conv SCALE: N.T.S</p>	<p>SWITCH (10 PORT PoE) WEIGHT: 77 LBS PWR: 44 WATTS (PoE out) HEAT LOAD: 150 BTU/HR</p> <p>18 DETAIL - HIVE 10 PORT PoE SWITCH SCALE: N.T.S</p>	<p>TX/RX (FIBER OPTIC - HDMI) HEAT LOAD: 2.5W - 8.5 BTU/hr</p> <p>NOTES: 1. TRANSMITTER/RECEIVER.</p> <p>19 DETAIL - FIBER 18G/4K HDMI Transmission SCALE: N.T.S</p>	<p>AV RACK (BR4K) MAX. WT. (LOADED): 23 LBS MAX. PWR.: 72.25 W HEAT LOAD: 246.37 BTU/hr</p> <p>20 DETAIL - BOOM ROOM 4K (AVR) SCALE: N.T.S</p>	<p>CONVERTER MAX. WT.: 0.6 LBS HEAT LOAD: 40.92 BTU/hr</p> <p>21 DETAIL - SDI to HDMI CONVERTER SCALE: N.T.S</p>
<p>AUDIO DSP RACK MAX. WT. (LOADED): 35 LBS MAX. PWR.: 180 W HEAT LOAD: 614.18 BTU/hr</p> <p>29 DETAIL - AUDIO DSP RACK SCALE: N.T.S</p>	<p>Digital Matrix Processor (DMP) MAX. WT. (LOADED): 2.8 LBS HEAT LOAD: 96 BTU</p> <p>30 DETAIL - NEO IP AUDIO PROCESSOR SCALE: N.T.S</p>	<p>XTRA Power Amp (XPA) MAX. WT. (LOADED): 2.5 LBS HEAT LOAD: 682.42 BTU/hr</p> <p>31 DETAIL - NEO IP XTRA POWER AMP SCALE: N.T.S</p>	<p>LTG CONTROL INTERFACE PROVIDED BY C.C. (SEE NOTE #1) RS-232 CABLE BY STORZ</p> <p>NOTES: 1. LUTRON GRX-CI-PRG & QSE CI-NWK-E ONLY COMPATIBLE INTERFACE. 2. INTERFACE MAX PLACEMENT FROM AV RACK IS 100 CABLE FEET. 3. MUST BE A DEDICATED GRAFIK Eye GRX-3506 or QSGRJ 6P CONTROLLER. 4. ALL REMAINING LUTRON HARDWARE, (IE WALL STATIONS), SPECIFIED BY THE CLIENT'S ELECTRICAL ENGINEER (NOT STORZ).</p> <p>32 DETAIL - O.F.E. ROOM LIGHTING CTRL SCALE: N.T.S</p>			

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ENG. BY:
DATE: 00/00/2022
FILE NAME: GENERIC_NEO_FACILITY_DRAWINGS.DWG
PLT SC: N.T.S
Generic_NEO_Facility_Drawings

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GENERIC

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AV.IP. 6.2.2

05 OF 12

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**TYPICAL HOSPITAL (NOT PROJECT SPECIFIC)
OR1@ NEO SERIES SYSTEM
FACILITY REQUIREMENTS:
REQUIREMENTS DETAILS #3(NEO-IP)**

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<p>AVR NEO 4K SYSTEM MAX. WT. (LOADED) : 34.9 LBS HEAT LOAD: 950 BTU Air Humidity: 10%-80% RH, non-condensing</p> <p>NOTE: 1. DEDICATED 4 mm² - 6 mm² MAX Ø 5.9 MM GROUND WIRE FROM GROUND PANEL PROVIDED BY C.C. (NOT STORZ).</p> <p>1 DETAIL - NEO IP SCALE: N.T.S</p>	<p>PS16+ POWER SUPPLY MAX. WT. (LOADED) : 9.6 LBS HEAT LOAD: 655 BTU</p> <p>2 DETAIL - NEO PS16+ SCALE: N.T.S</p>	<p>PS32+ POWER SUPPLY MAX. WT. (LOADED) : 11.6 LBS HEAT LOAD: 1312 BTU/hr</p> <p>3 DETAIL - NEO IP PS32+ - WUIS3438 SCALE: N.T.S</p>	<p>SWW SWITCH WHISPER WRAP WEIGHT (UNLOADED) : 6.85 lbs MAX. WT. (LOAD) : 23.6 lbs (SWITCHER INSIDE) HEAT LOAD: 1185 BTU</p> <p>NOTES: 1. NOISE DAMPENING HOUSING FOR SWITCHER.</p> <p>4 DETAIL - SWITCH WHISPER WRAP SCALE: N.T.S</p>	<p>SW NEO-IP SWITCH MAX. WT.: 18.74 lbs HEAT LOAD: 1185 BTU</p> <p>NOTE: 1. IF INSTALLED REMOTELY SEE REMOTE REQUIREMENTS.</p> <p>5 DETAIL - NEO-IP 48 PORT SWITCH SCALE: N.T.S</p>	<p>SW NEO-IP SWITCH MAX. WT.: 9.17 lbs HEAT LOAD: 264.44 BTU</p> <p>NOTES: 1. IF INSTALLED REMOTELY SEE REMOTE REQUIREMENTS.</p> <p>6 DETAIL - NEO IP 24 PORT SWITCH SCALE: N.T.S</p>	<p>UPM UPM WITH ISOLATION TRANSFORMER WEIGHT: 65 LBS. PWR: 89 WATTS HEAT LOAD: 304 BTU/HR</p> <p>7 DETAIL - RACKABLE MEDICAL UPM SCALE: N.T.S</p>	
<p>DISP 32" 4K DISPLAY DISPLAY WT.: 27.1 LBS (32.5 lbs with bracket & decoder) MAX. PWR: 130 W HEAT LOAD: 443.58 BTU</p> <p>NOTES: 1. VESA STANDARD 100 x 100 mm 2. FIELD MOUNTED WITH REMOTE POWER</p> <p>8 DETAIL - 32" 4K DISPLAY SCALE: N.T.S</p>	<p>DISP 31" 4K DISPLAY DISPLAY WT.: 23.68 LBS (29.1 lbs with bracket & decoder) MAX. PWR: 150 W HEAT LOAD: 511.8 BTU/hr</p> <p>NOTES: 1. VESA STANDARD 200 x 100 mm 2. FIELD MOUNTED WITH REMOTE POWER</p> <p>9 DETAIL - 31" 4K BOOM DISPLAY SCALE: N.T.S</p>	<p>DMT DEC MON MNT MAX. WT. (LOADED) : 5.4 LBS</p> <p>NOTES: 1. MOUNTS BETWEEN DISPLAY & BOOM ARM. 2. HOUSES DECODER & MICROPHONE.</p> <p>10 DETAIL - NEO-IP ASSM, DEC MON MNT SCALE: N.T.S</p>	<p>DMT DEC MON MNT MAX. WT. (LOADED) : 1.95 LBS</p> <p>NOTES: 1. ALTERNATIVE SOLUTION FOR THE DECODER MONITOR MOUNT. 2. DEVICE HAS KEYBOARD & MOUSE FUNCTIONALITY.</p> <p>11 DETAIL - DECODER MONITOR MOUNT SCALE: N.T.S</p>	<p>TC1 NEO-TC1 MAX. WT. (LOADED) : 4.41 LBS HEAT LOAD: 112 BTU</p> <p>NOTES: 1. MOUNTS BETWEEN TOUCH PANEL & STAND/ARTICULATING ARM. 2. DEVICE HAS KEYBOARD & MOUSE FUNCTIONALITY.</p> <p>12 DETAIL - NEO-TC1 SCALE: N.T.S</p>	<p>TC+ NEO TC+ MAX. WT. (LOADED) : 4.41 LBS HEAT LOAD: 121 BTU</p> <p>NOTES: 1. MOUNTS BETWEEN TOUCH PANEL & STAND/ARTICULATING ARM. 2. DEVICE HAS KEYBOARD & MOUSE FUNCTIONALITY. 3. POWER BRICK NEED TO SIT CLOSE TO THE TOUCH PANEL.</p> <p>13 DETAIL - NEO-TC+ SCALE: N.T.S</p>	<p>PWR NEO IP TCx/TC+/TC1 POWER SUPPLY HEAT LOAD: 102W - 348 BTU/HR</p> <p>NOTES: 1. Output plug (Power 6 Pin Dual Row with Locking clip) Molex 39-01-2060 2. Mating plug (on TCx/TC+/TC1) Molex 39-01-3063 3. Customer side not provided with power supply</p> <p>14 DETAIL - NEO IP TCx PWR SUPPLY SCALE: N.T.S</p>	
<p>TCX NEO TCX MAX. WT. (LOADED) : 4.41 LBS HEAT LOAD: 121 BTU</p> <p>NOTES: 1. MOUNTS BETWEEN TOUCH PANEL & STAND/ARTICULATING ARM. 2. DEVICE HAS KEYBOARD & MOUSE FUNCTIONALITY. 3. POWER BRICK LOCATED AT RACK/NURSE STATION.</p> <p>15 DETAIL - NEO IP TCX SCALE: N.T.S</p>	<p>DISP 32" DISPLAY (TM343) DISPLAY WT.: 29.1 LBS (34.6 lbs with bracket & decoder) MAX. PWR: 167 W (39W Power Save Mode) HEAT LOAD: 569.8 BTU/hr</p> <p>NOTES: 1. VESA STANDARD 100 x 100 mm</p> <p>16 DETAIL - 32" BOOM DISPLAY SCALE: N.T.S</p>	<p>PWR TM343 POWER SUPPLY HEAT LOAD: 167W - 569.8 BTU/HR</p> <p>NOTES: 1. CLASS 1 DEVICE. 2. ATTACHED CORD 35.4" LONG. 3. PLACE AT AVR RACK LOCATION.</p> <p>17 DETAIL - 32" DISPLAY PWR SUPPLY SCALE: N.T.S</p>	<p>NEO IP THERMAL SPECS: 1. NEO IP SYSTEM COMPONENTS HAVE BEEN TESTED AND CERTIFIED TO PERFORM RELIABLY AT A MAXIMUM AMBIENT AIR TEMPERATURE OF 40 DEGREES C (104 F), THAT MEANS THAT THE AIR TEMPERATURE AROUND THE NEO IP SYSTEM COMPONENTS (SURROUNDING AIR TEMPERATURE ONE INCH DISTANCE FROM THE COMPONENT CASES, NOT EXHAUST FAN OPENINGS) SHOULD NOT EXCEED 104 DEGREES F. (THAT SAYS... THE DEVICES WILL OPERATE ABOVE 104 F. AMBIENT BUT WE CANNOT GUARANTEE FOR HOW LONG.) 2. NEO IP COMPONENTS CANNOT BE PLACED INSIDE SMALL CLOSED AREAS WITH NO AIRFLOW... THIS WILL CAUSE A SLOW RISE IN TEMPERATURE POTENTIALLY EXCEEDING THE MAX OPERATING TEMPERATURE OF 104 DEGREES F... VENTILATION MUST BE PROVIDED... INSTALLATION OF DOOR OR DRAWER COVER GRATES ALLOW OUTSIDE ROOM AIR TO PASS THROUGH THE DOOR OR DRAWER COVER INTO THE ENCLOSED AREA WHERE NEO IP COMPONENTS ARE INSTALLED. 3. SEE NEO IP SERVICE MANUAL FOR PROVIDE ADDITIONAL INSTRUCTIONS CONCERNING THIS SUBJECT.</p> <p>18 DETAIL - NEO IP THERMAL SPECS SCALE: N.T.S</p>	<p>REMOTE IT CLOSET OPTION: 1. TRUNK LINE REQUIRED BETWEEN IT CLOSET & OR 2. MAXIMUM OF 16RU OF RACK SPACE POSSIBLE FOR REMOTE IT CLOSET USE. 3. 10G SWITCH, NEO IP BASE ENCLOSURE, & TC+S MAY BE LOCATED REMOTELY IN 19IN RACK INSIDE IT CLOSET ALONG WITH RACK MOUNTED PATCH PANEL. 4. DEDICATED UPS WILL NEED TO BE LOCATED IN IT CLOSET FOR THESE DEVICES. 5. A PATCH PANEL SPEC WILL BE PROVIDED. PATCH PANEL MAY BE LOCATED IN CEILING, IN WALL, OR POSSIBLY DIRECTLY OUTSIDE OF OPERATING ROOM (IN CEILING OR WALL). 6. CLIENT'S CONTRACTOR PROVIDES FIBER TRUNK & PATCH PANEL @ BOTH ENDS (NOT STORZ)</p> <p>19 DETAIL - NEO IP REMOTE REQ SCALE: N.T.S</p>	<p>UPS UPS WITH ISOLATION TRANSFORMER WEIGHT: 49 LBS. PWR: 73 WATTS HEAT LOAD: 249 BTU/HR</p> <p>20 DETAIL - UPS ISO. TRANSFMR. SCALE: N.T.S</p>	<p>TX/RX DVI FIBER TX HEAT LOAD: 17.06 BTU</p> <p>NOTES: 1. TRANSMITTER/RECEIVER.</p> <p>21 DETAIL - Module-DVI-Fiber TX SCALE: N.T.S</p>	
<p>NODE StreamConnect NODE MAX. WT. (LOADED) : 2.5 LBS MAX. PWR: 50 W HEAT LOAD: 170 BTU</p> <p>22 DETAIL - StreamConnect NODE SCALE: N.T.S</p>	<p>TX/RX TRANSMIT/RECEIVE HEAT LOAD: 11.5 BTU REQUIRED (1)TX UNIT & (1)RX UNIT</p> <p>23 DETAIL - TX/RX (4 CH CC FIBER) SCALE: N.T.S</p>	<p>ENC ENCODER MAX. WT.: 1.4 lbs (ENCODER/DECODER)</p> <p>24 DETAIL - 10G Encoders/Decoders SCALE: N.T.S</p>	<p>ERK ENCODER RACK KIT MAX. WT.: 13 LBS</p> <p>25 DETAIL - ENCODER RACK KIT SCALE: N.T.S</p>	<p>SS2H 2 STACKED WT.: 0.101 lbs (SHIELD & SHOE ONLY)</p> <p>26 DETAIL - 2 Stack Horizontal Shield SCALE: N.T.S</p>	<p>SS2 2 STACKED WT.: 0.201 lbs (SHIELD & SHOE ONLY)</p> <p>27 DETAIL - 2 Stack Shield & Shoe SCALE: N.T.S</p>	<p>SS3 3 STACKED WT.: 0.269 lbs (SHIELD & SHOE ONLY)</p> <p>28 DETAIL - 3 Stack Shield & Shoe SCALE: N.T.S</p>	<p>SS4 4 STACKED WT.: 0.387 lbs (SHIELD & SHOE ONLY)</p> <p>29 DETAIL - 4 Stack Shield & Shoe SCALE: N.T.S</p>

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AV.IP. 6.2.3

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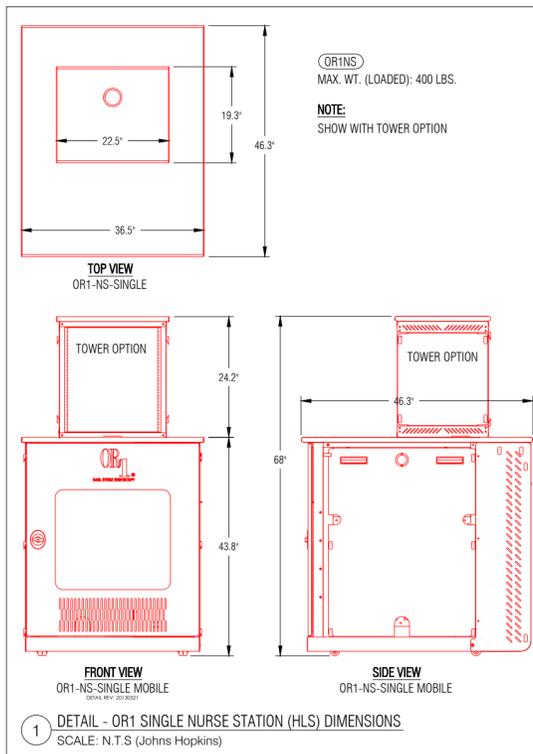
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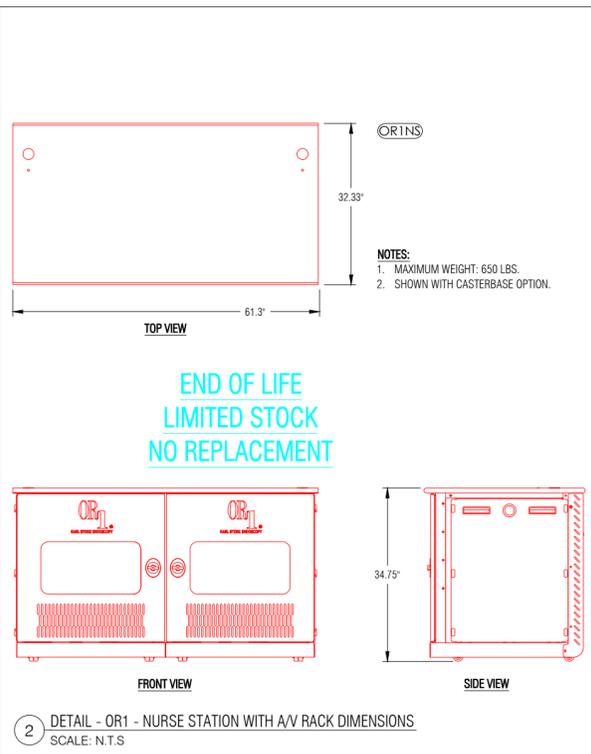
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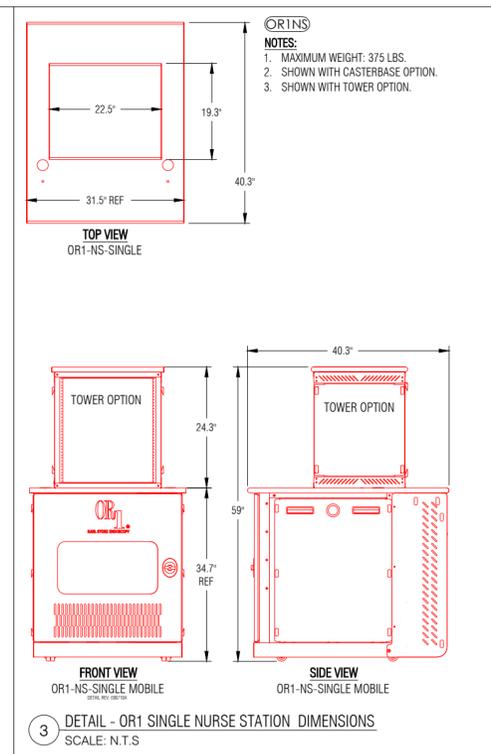
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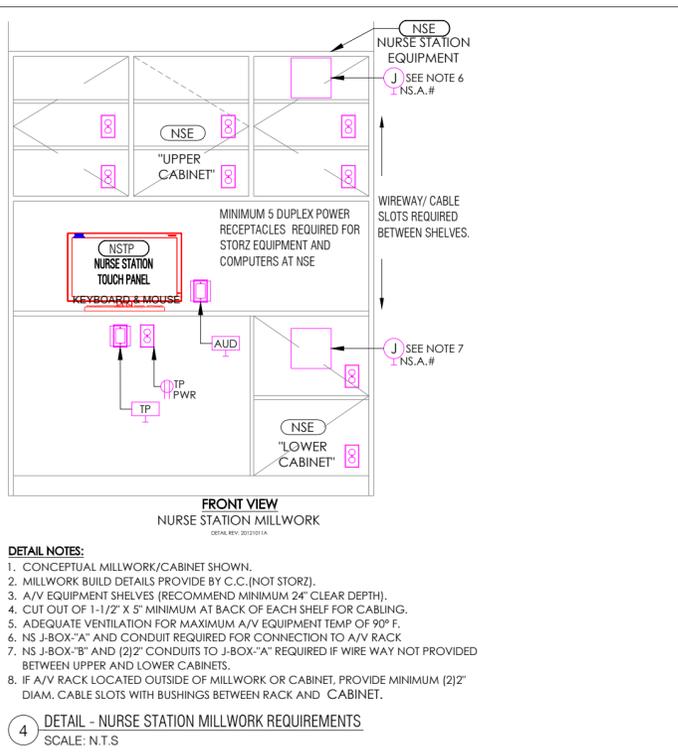
1 DETAIL - OR1 SINGLE NURSE STATION (HLS) DIMENSIONS
SCALE: N.T.S (Johns Hopkins)



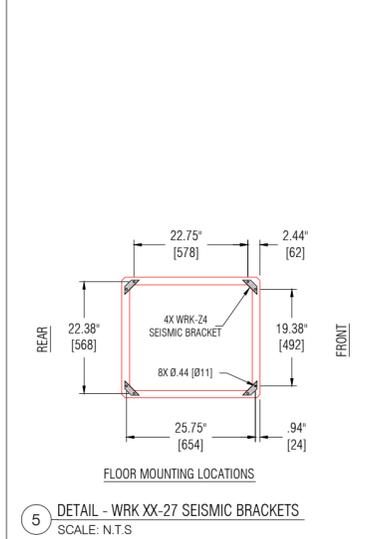
2 DETAIL - OR1 - NURSE STATION WITH A/V RACK DIMENSIONS
SCALE: N.T.S



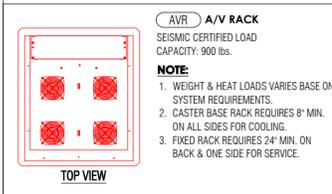
3 DETAIL - OR1 SINGLE NURSE STATION DIMENSIONS
SCALE: N.T.S



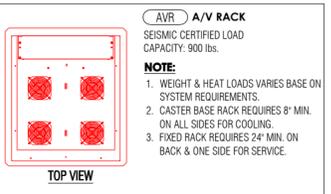
4 DETAIL - NURSE STATION MILLWORK REQUIREMENTS
SCALE: N.T.S



5 DETAIL - WRK XX-27 SEISMIC BRACKETS
SCALE: N.T.S



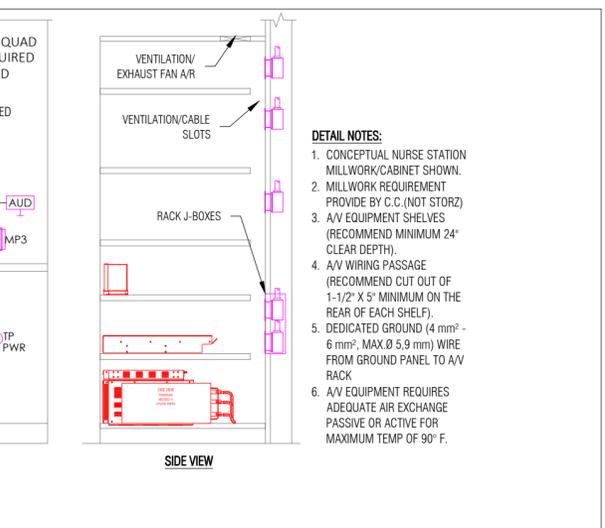
6 DETAIL - A/V RACK NEO-IP (SMALL)
SCALE: N.T.S



7 DETAIL - WRK-37-27 RACK (MEDIUM)
SCALE: N.T.S



8 DETAIL - WRK-44-27 RACK (LARGE)
SCALE: N.T.S



9 DETAIL - NURSE STATION ELEVATION- W/ AV RACK
SCALE: N.T.S

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(NSTP) NURSE STATION TOUCH PANEL
MAX. WT.: 24.1 LBS
MAX. PWR: 35 W
HEAT LOAD: 119.4 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
2/8" TOUCH PANEL

NOTES:

1. VERSA 100 MOUNTING.
2. 10 LBS LESS WITHOUT STAND.

1 **DETAIL - 21" TOUCH PANEL**
SCALE: N.T.S

(NSTP) NURSE STATION TOUCH PANEL
MAX. WT.: 27 LBS
MAX. PWR: 50 W
HEAT LOAD: 170.6 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
2/8" TOUCH PANEL

NOTES:

1. VERSA 100 MOUNTING.
2. 10 LBS LESS WITHOUT STAND.

2 **DETAIL - 24" TOUCH PANEL**
SCALE: N.T.S

(4KTP) 4K TOUCH PANEL
MAX. WT.: 4.9 LBS
AC adapter: AC 100 - 120 V, 200 - 240 V, 50/60 Hz
Monitor: 12 - 24 VDC

TOP VIEW
1/8" TOUCH PANEL

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. OFE GCX ARM (VERSA STD 75 x 75 mm)

3 **DETAIL - 10" TOUCH PANEL**
SCALE: N.T.S

TOUCH PANEL SPECS

MODEL	DIMENSION	WEIGHT	POWER
ORI 21"	21.2" W x 12.8" H x 2.3" D	13.3 LBS	35W
NEO - TCX	14.7" W x 10.3" H x 3.4" D	9 LBS	138W
GCX MOUNT	OSHPD Pre-Approval compliance: M Series arms = 60 lbs		

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE DISPLAY & BRACKET ANCHORAGE
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (NOT STORZ)

4 **DETAIL - GCX WALL MOUNTED NSTP**
SCALE: N.T.S

WALL MOUNTED TOUCH PANEL

MODEL	DIMENSION	WEIGHT	POWER
ORI 24"	22.9" W x 13.8" H x 2.3" D	15.3 LBS	50W

WALL MOUNTED (VERSA 75/100) BRACKET (WUS2792/1967)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. 11.7" FROM WALL TO FRONT OF TOUCH PANEL IN DOCK MODE
3. C.C. TO PROVIDE DISPLAY & BRACKET ANCHORAGE
4. C.C. TO MOUNT BRACKET TO STRUCTURE. (NOT STORZ)

5 **DETAIL - TOUCH PANEL WALL MOUNTED**
SCALE: N.T.S

(PWR) BOOM DISPLAY POWER SUPPLY (CLASS 1)
HEAT LOAD: 5W - 17 BTU/HR

SIDE VIEW

FRONT VIEW

NOTES:

1. CLASS 1 DEVICE.
2. ATTACHED CORD 36" LONG.
3. PLACE AT A/V RACK LOCATION.

6 **DETAIL - BOOM DISPLAY PWR SUPPLY**
SCALE: N.T.S

(DISP) 55" DISPLAY
DISPLAY WT.: 77.6 LBS
MAX. PWR: 290 W
HEAT LOAD: 989.5 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. VESA STANDARD 200 or 300 mm
2. REQUIRES 110V POWER AT BOOM BY C.C. (NOT STORZ).

6 **DETAIL - LARGE FORMAT 4K DISPLAY**
SCALE: N.T.S

(DISP) 26" DISPLAY
DISPLAY WT.: 16 LBS
(3.5 LBS - BACK COVER & 3.5 LBS - FRONT COVER)
MAX. PWR: 60 W
HEAT LOAD: 204.72 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. VESA STANDARD 100 x 100 mm
2. FIELD MOUNTED WITH REMOTE POWER

7 **DETAIL - 26" BOOM DISPLAY (NDS)**
SCALE: N.T.S

(DISP) 26" DISPLAY
DISPLAY WT.: 17 LBS
(1.25 LBS - BACK COVER & 3.5 LBS - FRONT COVER)
MAX. PWR: 69 W
HEAT LOAD: 235.43 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. VESA STANDARD 100 x 100 mm
2. FIELD MOUNTED WITH REMOTE POWER

8 **DETAIL - 26" BOOM DISPLAY (PANASONIC)**
SCALE: N.T.S

(DISP) 27" DISPLAY
DISPLAY WT.: 20.28 LBS (25.6 lbs with bracket & decoder)
MAX. PWR: 118 W
HEAT LOAD: 341.2 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. VESA STANDARD 100 x 100 mm
2. FIELD MOUNTED WITH REMOTE POWER

9 **DETAIL - 27" BOOM DISPLAY**
SCALE: N.T.S

(DISP) 42" DISPLAY
DISPLAY WT.: 45 LBS
MAX. PWR: 118 W
HEAT LOAD: 402.6 BTU

FRONT VIEW
1/8" TOUCH PANEL

SIDE VIEW
1/8" TOUCH PANEL

NOTES:

1. VESA STANDARD 100 x 100 mm
2. FIELD MOUNTED WITH REMOTE POWER

10 **DETAIL - 42" BOOM DISPLAY**
SCALE: N.T.S

(PWR) BOOM DISPLAY POWER SUPPLY (CLASS 1)
HEAT LOAD: 5W - 17 BTU/HR

SIDE VIEW

FRONT VIEW

NOTES:

1. CLASS 1 DEVICE.
2. ATTACHED CORD 36" LONG.
3. PLACE AT A/V RACK LOCATION.

11 **DETAIL - BOOM DISPLAY PWR SUPPLY**
SCALE: N.T.S

WALL MOUNTED LCD DISPLAY

MODEL	DIMENSION	WEIGHT	POWER
FW58240H	48.48" W x 27.99" H x 2.76" D	38.38 LBS	173W(0.5W)
TYPE	DESCRIPTION	WEIGHT	DEPTH
ST660	TILT +15, -5 DEGREES	BLBS	2.6"

SEE OSHPD 'OPM-0211-13' FOR ANCHORAGE(CA)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE ANCHORAGE TO SUPPORT DISPLAY & BRACKET.
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (BRACKET SUPPLIED BY STORZ)

12 **DETAIL - WALL MOUNTED LED DISPLAY**
SCALE: N.T.S

WALL MOUNTED LCD DISPLAY

MODEL	DIMENSION	WEIGHT	POWER
FW58240H	57.89" W x 32.81" H x 2.76" D	48.34 LBS	214W(0.5W)
TYPE	DESCRIPTION	WEIGHT	DEPTH
ST660	TILT +15, -5 DEGREES	BLBS	2.6"

SEE OSHPD 'OPM-0211-13' FOR ANCHORAGE(CA)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE ANCHORAGE TO SUPPORT DISPLAY & BRACKET.
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (BRACKET SUPPLIED BY STORZ)

13 **DETAIL - WALL MOUNTED LED DISPLAY**
SCALE: N.T.S

WALL MOUNTED LCD DISPLAY

MODEL	DIMENSION	WEIGHT	POWER
FW58240H	65.91" W x 37.88" H x 2.8" D	72.53 LBS	277W(0.5W)
TYPE	DESCRIPTION	WEIGHT	DEPTH
ST660	TILT +15, -5 DEGREES	BLBS	2.6"

SEE OSHPD 'OPM-0211-13' FOR ANCHORAGE(CA)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE ANCHORAGE TO SUPPORT DISPLAY & BRACKET.
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (BRACKET SUPPLIED BY STORZ)

25 **DETAIL - WALL MOUNTED LED DISPLAY**
SCALE: N.T.S

WALL MOUNTED LCD DISPLAY

MODEL	DIMENSION	WEIGHT	POWER
ES070	48.79" W x 28.02" H x 3.12" D	33.1 LBS	170W(0.5W)
TYPE	DESCRIPTION	WEIGHT	DEPTH
ST660	TILT +15, -5 DEGREES	BLBS	2.6"

SEE OSHPD 'OPM-1546-10' FOR ANCHORAGE(CA)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE ANCHORAGE TO SUPPORT DISPLAY & BRACKET.
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (BRACKET SUPPLIED BY STORZ)

15 **DETAIL - WALL MOUNTED LED DISPLAY**
SCALE: N.T.S

WALL MOUNTED LCD DISPLAY

MODEL	DIMENSION	WEIGHT	POWER
w84	42.8" W x 24.6" H x 2.2" D	38.8 LBS	150W(0.5W)
TYPE	DESCRIPTION	WEIGHT	DEPTH
ST660	TILT +15, -5 DEGREES	BLBS	2.6"

SEE OSHPD 'OPM-0211-13' FOR ANCHORAGE(CA)

NOTES:

1. DIMENSIONS FOR REFERENCE ONLY
2. C.C. TO PROVIDE ANCHORAGE TO SUPPORT DISPLAY & BRACKET.
3. C.C. TO MOUNT BRACKET TO STRUCTURE. (BRACKET SUPPLIED BY STORZ)

16 **DETAIL - WALL MOUNTED LED DISPLAY**
SCALE: N.T.S

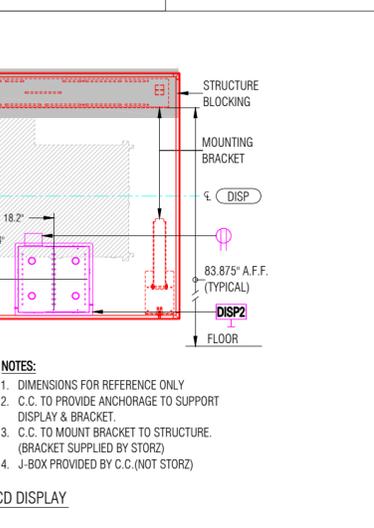
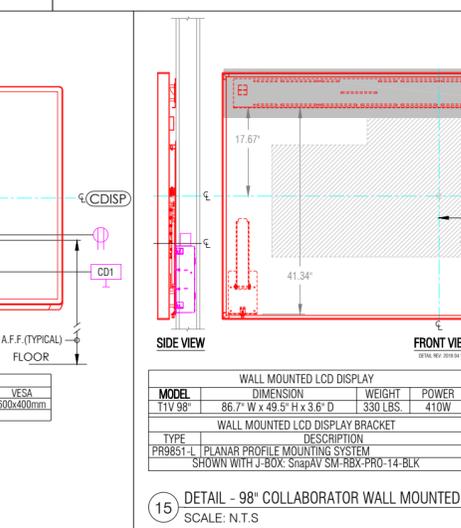
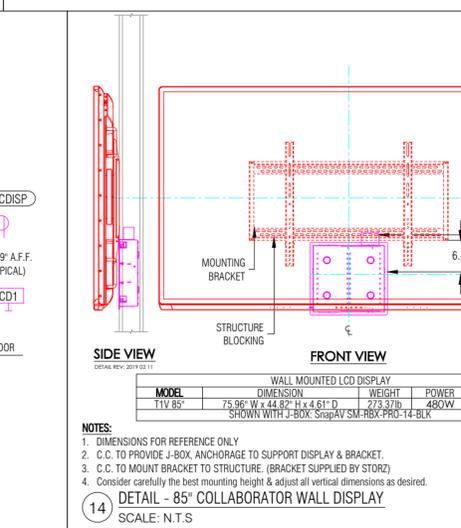
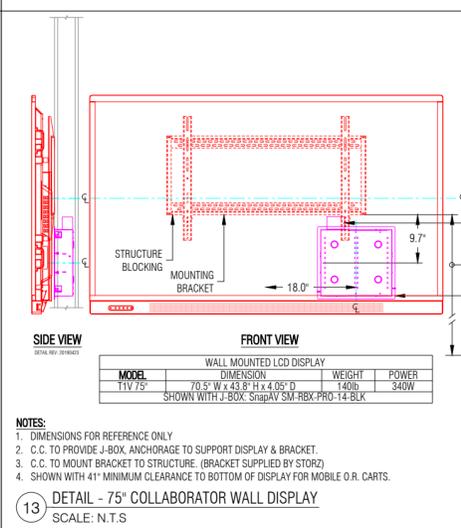
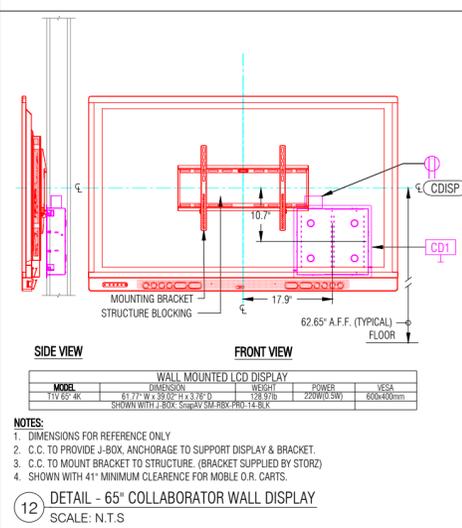
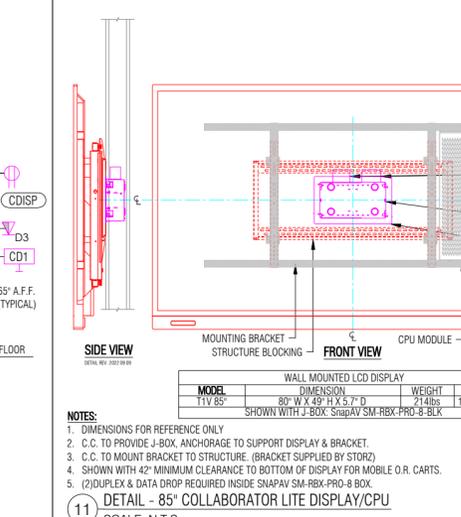
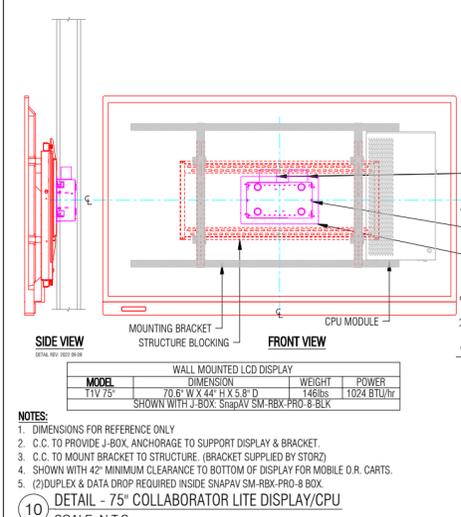
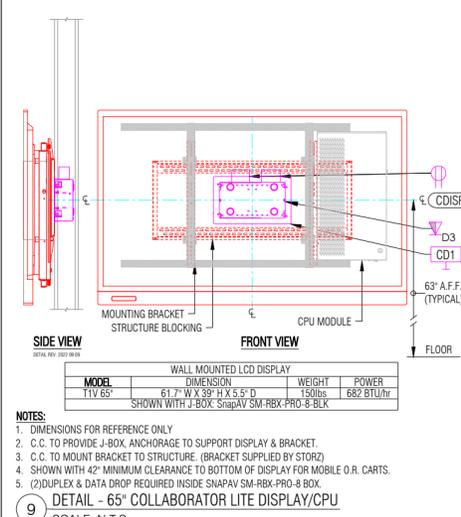
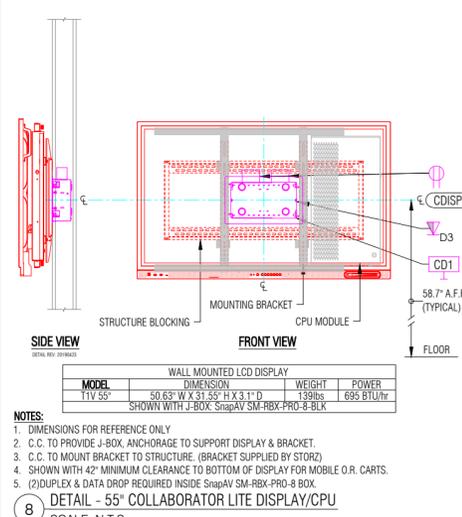
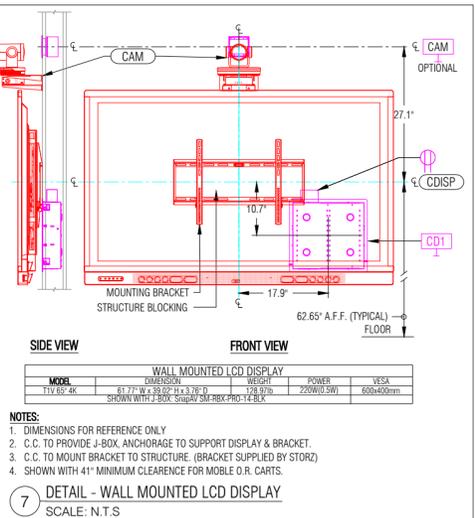
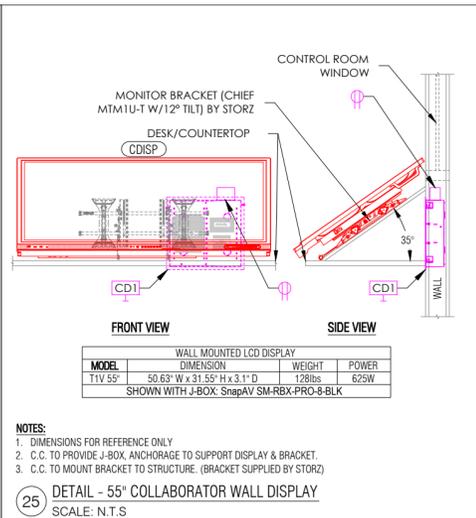
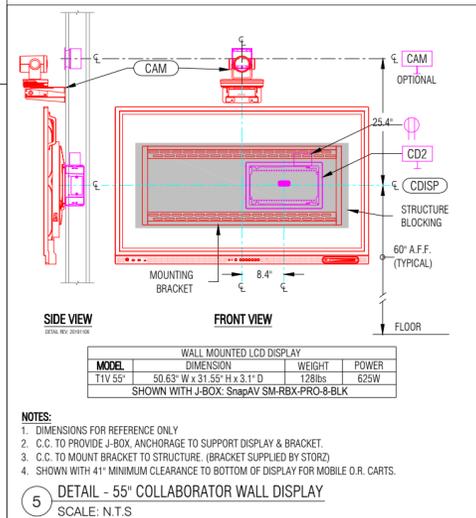
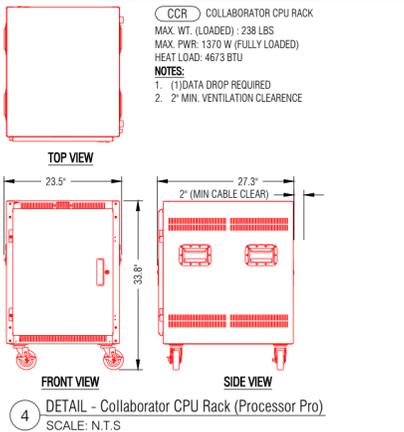
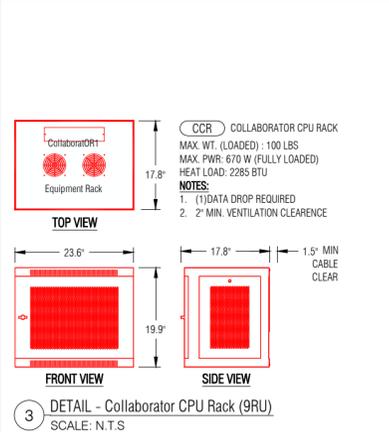
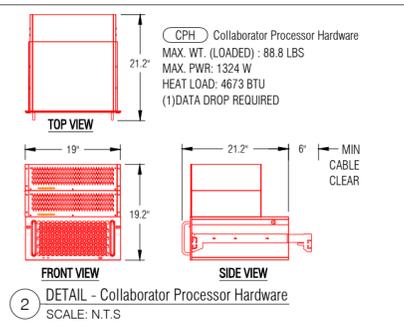
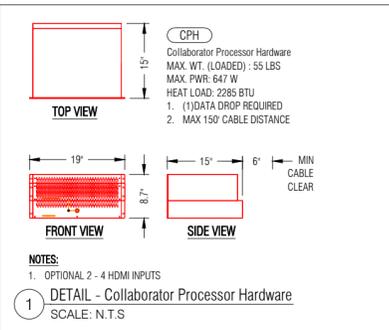
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REQUIREMENTS DETAILS #6 (Collaborator1)**

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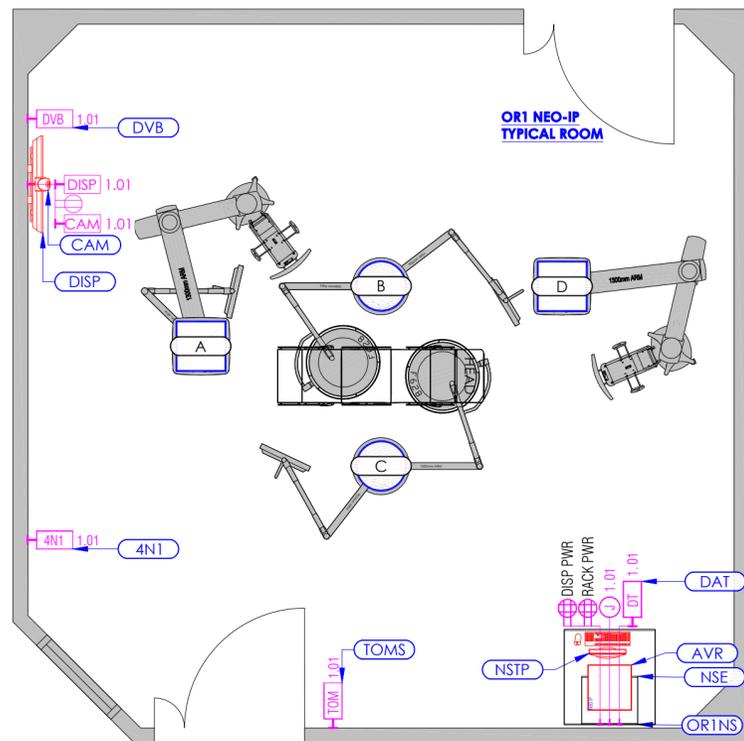
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ENG. BY:
DATE: 00/00/2022
FILE NAME: GENERIC_NEO_FACILITY_DRAWINGS.DWG
PLT SC: N.T.S
Generic_NEO_Facility Drawings

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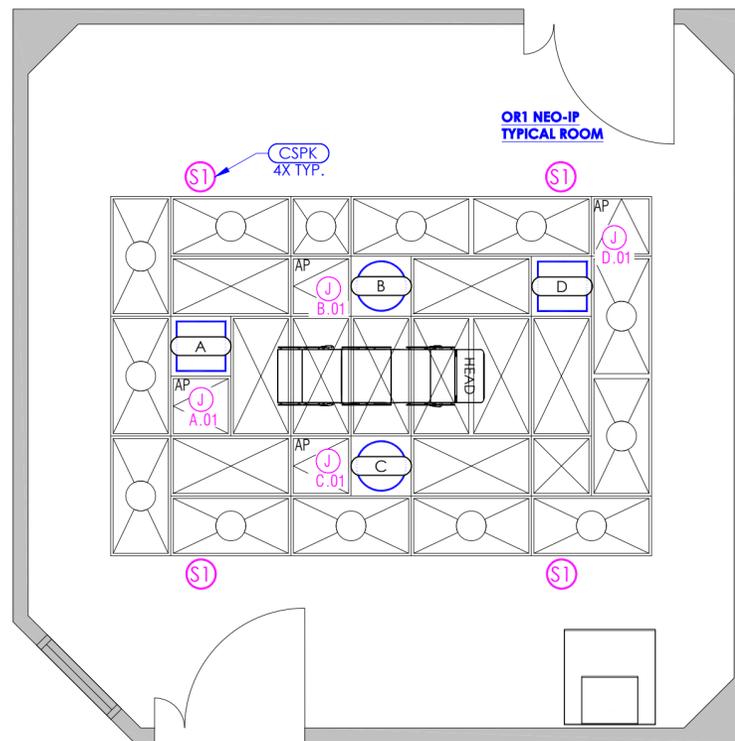
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GENERIC

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6.2.6**

09 OF 12



1 FLOOR PLAN - OR1 NEO IP TYPICAL ROOM
SCALE: N.T.S.
BACKGROUND REF.: *.DWG RECEIVED xx/xx/xxxx



2 REFLECTED CEILING PLAN - OR1 NEO IP TYPICAL ROOM
SCALE: N.T.S.
BACKGROUND REF.: *.DWG RECEIVED xx/xx/xxxx

AV EQUIPMENT SCHEDULE

SYMBOL	LOCATION/DEVICE	EQUIPMENT BY STORZ	EQUIPMENT BY OTHERS
A	EQUIPMENT BOOM (STORZ EQUIPMENT)	(1) STORZ CCU INPUT PLATE, (1) SCB/FAILSAFE PLATE (1) AUX INPUT 4N1 (CV/SV/VGA/DVI) DAU PLATE, (1) AUX INPUT 2N1 (DP/HDMI) PLATE, (1) AUX INPUT (DVI) PLATE	
B	DISPLAY/LIGHT BOOM	(1) 32" FLAT PANEL DISPLAY	DISPLAY MOUNT/SURGICAL LIGHT
C	DISPLAY/LIGHT BOOM	(1) 32" FLAT PANEL DISPLAY	DISPLAY MOUNT/SURGICAL LIGHT
D	ANESTHESIA BOOM	(1) REMOTE COMPUTER INPUT PLATE	VITALS COMPUTER
ORINS	OR1 NURSE STATION CABINET	(1) SINGLE MOBILE NS CABINET	
AVR	AV EQUIPMENT RACK	(1) A/V EQUIPMENT RACK-TYPE, (1) UPS / ISOLATION TRANSFORMER, FLAT PANEL DISPLAY POWER SUPPLIES,	
NSE	NURSE'S STATION EQUIPMENT CABINET	(1) STORZ AIDA & PRINTER (1) LOCAL COMPUTER INPUT	PACS COMPUTER
NSTP	NURSE'S STATION TOUCH PANEL	(1) AV TOUCH PANEL, (1) KEYBOARD & MOUSE	

AV EQUIPMENT SCHEDULE NOTES:
1. EQUIPMENT LISTED IS FOR COORDINATION PURPOSES ONLY. (BASED ON STORZ'S UNDERSTANDING OF EQUIPMENT & LOCATIONS). REFER TO CONTRACT SPECIFICATIONS FOR ACTUAL REQUIREMENTS.

AV EQUIPMENT SCHEDULE

SYMBOL	LOCATION/DEVICE	EQUIPMENT BY STORZ	EQUIPMENT BY OTHERS
CAM	WALL MOUNTED	(1) PTZ CAMERA	STRUCTURE FOR MOUNTING
CSPK	CEILING MOUNTED	(4) CEILING SPEAKER ASSEMBLY, (1) CEILING SPEAKER HOLE TEMPLATE	HOLE CUT IN SHEETROCK BY C.C. (NOT STORZ). CUTOUT TEMPLATE PROVIDED BY STORZ.
DAT	WALL MOUNTED	(FOR DATA TELECOM CONNECTION)	SEE DATA / TELECOM SCHEDULE
DISP	WALL MOUNTED	(1) LARGE FORMAT FLAT PANEL DISPLAY	BRACKET ANCHORAGE BY C.C. (NOT STORZ)
DVB	WALL MOUNTED	(1) FIBER CONNECTION	DaVinci VisionBoom EQUIPMENT
TOM	WALL MOUNTED	(1)TOMS WALL PLATE ASSEMBLY(WUIS1738)	
4N1	WALL MOUNTED	(1) AUX INPUT 4N1 (CV/SV/VGA/DVI) DAU PLATE	

AV EQUIPMENT SCHEDULE NOTES:
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OR1® NEO SERIES SYSTEM
FACILITY REQUIREMENTS:
FLOOR PLAN & RCP - OR1 NEO IP TYP. RM

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PLT SC: N.T.S.
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11 OF 12

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KARL STORZ SITE READINESS CHECKLIST

OVERALL SITE STATE:

Upon KARL STORZ'S arrival at the facility, the site must be clean with all site prep work completed, the boom equipment installed, and the nurse station millwork complete. All owner furnished equipment must be available for installation and testing.

Although other trades may work in the same space, priority must be given to the floor space requirements of staging equipment and materials and the ability of the crew to maintain their workflow.

GENERAL SITE PREP WORK:

- All required conduits must be marked and installed with pull strings.
- All facility provided network cables must be installed and tested.
- All electrical outlets on equipment handlers, nurse millwork and a/v rack location must have power.
- Permanent power must be energized.
- Ceiling speaker cutouts must be prepared.
- Wall mounts for flat panel displays and touch panels must be installed.
- All network data drops need to be installed.

MILLWORK:

- Millwork must be installed with proper venting for calculated heat loads per the KARL STORZ drawings.
- Cover plate of large junction box behind av rack has mouse hole cut in proper location.
- Facility provided carpenter must be available for any grommet placement.

BOOM EQUIPMENT:

- Boom equipment must be installed and available for cabling by the KARL STORZ team.
- Boom equipment must be powered.
- In-Light Camera boxes must be available.

OWNER FURNISHED EQUIPMENT:

- OR equipment such as C-ARMS, Ultrasound, CT Machines and Microscopes must be available for testing and integration.
- Computers and workstations must be available for cable integration and testing.
- Videoconference telephone or network connections must be live.
- If applicable, all lighting control equipment must be installed and tested by the facility.

ENVIRONMENTAL CONDITIONS:

- Site is safe to work.
- If site has specific attire requirements and/or PPE requirements, the customer must provide access to appropriate attire and PPE for the crew.
- The OR must be clean and dust free.
- Delivery access must be available.
- Area to store all KARL STORZ materials for duration of installation identified.
- Trash disposal must be available.
- All safety training must be scheduled prior to arrival.
- Any sub-contractor conflicts need to be addressed and conflicting schedules need to be addressed to minimize KARL STORZ downtime.
- Adequate working hours must be available to the product deployment crew.

Use this document to ensure that all teams and spaces are aligned for the deployment of your KARL STORZ integrated operating room. Failure to meet readiness can impact your installation schedule.

Thank you for your partnership,

KARL STORZ

97208100 OR1 2 1.0 us 03/2022/SE-E-US

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TYPICAL HOSPITAL (NOT PROJECT SPECIFIC)

OR1® NEO SERIES SYSTEM

FACILITY REQUIREMENTS:

KSIS PROJECT MANAGEMENT REQUIREMENTS

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12 OF 12