

## STRUCTURED CABLING SCHEDULE

DESCRIPTION	ENVIRONMENTAL SPACE	COLOR	PERFORMANCE LEVEL	MANUFACTURER	MFG. PART NUMBER	PURPOSE	CABLING NOTES
CABLE	PLENUM	WHITE	CAT6	GENERAL CABLE	7131801	ALL DATA CONNECTIONS BETWEEN SPACES OR OTHERWISE IN A PLENUM SPACE	
CABLE	RISER	WHITE	CAT6	GENERAL CABLE	7133801	ALL DATA CONNECTIONS WITHIN A SINGLE RISER-RATED SPACE	
JACK MODULE	NA	RED	CAT6	PANDUIT	CJ688TRD	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	ORANGE	CAT6	PANDUIT	CJ688TOR	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	YELLOW	CAT6	PANDUIT	CJ688TYL	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	GREEN	CAT6	PANDUIT	CJ688TGR	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	BLUE	CAT6	PANDUIT	CJ688TBL	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	VIOLET	CAT6	PANDUIT	CJ688TVL	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	BLACK	CAT6	PANDUIT	CJ688TBL	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	GREY	CAT6	PANDUIT	CJ688TGG	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
JACK MODULE	NA	IVORY, WHITE OR OFF-WHITE	CAT6	PANDUIT	CJ688TGG	RESERVED	INSTALL ON EACH END OF INSTALLED CABLE
1-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL1**Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL2**Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL29Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
3-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL3**Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL4**Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL49Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
6-PORT FACEPLATE (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL6**Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
6-PORT FACEPLATE (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL69Y		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
10-PORT FACEPLATE, 2-GANG (PLASTIC)	NA	SEE NOTES	NA	PANDUIT	CFPL10**-2GY		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
10-PORT FACEPLATE, 2-GANG (STAINLESS STEEL)	NA	SEE NOTES	NA	PANDUIT	CFPL109-2GY		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
1-PORT SURFACE BOX	PLENUM	SEE NOTES	NA	PANDUIT	CBX1**-A		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
2-PORT SURFACE BOX	PLENUM	SEE NOTES	NA	PANDUIT	CBX2**-A		COLOR & MATERIAL SHALL MATCH ELECTRICAL DEVICES WITHIN SAME SPACE
4-PORT FURNITURE ADAPTER	NA	SEE NOTES	NA	PANDUIT	NA	ALL MODULAR FURNITURE CONNECTIONS	MATCH WITH FURNITURE MFG.
PATCH CABLE	PLENUM	MATCH JACK MODULE COLOR	CAT6	PANDUIT	UPP***1O	ALL DATA CONNECTIONS IN PLENUM SPACE	LENGTH = 10FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)
PATCH CABLE	RISER	WHITE	CAT6	PANDUIT	UTF285P1	CROSS-CONNECT BETWEEN PATCH PANEL AND NETWORK SWITCH	LENGTH = 1FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)
PATCH CABLE	RISER	WHITE	CAT6	PANDUIT	UTF9P1OY	CONNECTION AT WORKSTATION/DEVICE	LENGTH = 10FT (PROVIDE/INSTALL 1 PER INSTALLED CABLE)

STRUCTURED CABLING	MOUNTING HEIGHTS	GENERAL TECHNOLOGY NOTES
DATA/VOICE OUTLET - 4 50 BOX, 5G COVER, 1" CONDUIT STUB	16"	<p>1 TECHNOLOGY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR NEW WORK OR WHERE DEVICES ARE REMOVED AND NOT REPLACED.</p> <p>2 TECHNOLOGY CONTRACTOR SHALL ALIGN DEVICES VERTICALLY AND HORIZONTALLY AND FOLLOW THE RULES OF THIS DETAIL CONSISTENTLY. A PRE-INSTALL DEVICE COORDINATION MEETING FOR DEVICE FINISHES AND LAYOUT MAY BE REQUIRED IN THE SPECIFICATION FOR THIS PROJECT.</p> <p>3 REFER TO TECHNOLOGY DETAILS AND ELEVATIONS FOR SYMBOL INFORMATION AND ELEVATION DETAIL.</p> <p>4 DEVICES AND EQUIPMENT SHOWN DASHED OR WITH AN "X" ARE TO BE REMOVED. FIXTURES, DEVICES AND EQUIPMENT SHOWN LIGHTLY OR WITH AN "E" ARE EXISTING TO REMAIN UNDISTURBED.</p> <p>5 ALL PROGRAMMING WILL BE PERFORMED BY OWNER.</p> <p>6 TEMPORARILY SUPPORT EXISTING CEILING DEVICES TO REMAIN IN EXISTING CEILINGS TO BE REPLACED. REINSTALL DEVICES INTO NEW CEILING.</p> <p>7 CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT PHASING. TEMPORARY WIRING TO KEEP SYSTEMS RUNNING SHALL BE PROVIDED AS REQUIRED WHILE BUILDING IS OCCUPIED BETWEEN PHASES OF CONSTRUCTION.</p>
DATA/VOICE OUTLET - 4 50 BOX, 5G COVER, SURFACE ANM500	16"	
DATA/VOICE OUTLET - 4 50 BOX, 5G COVER, 1" CONDUIT STUB 4" ABOVE BACKSLASH	16"	
SECURITY CONTROLS PATHWAY - 4 50 BOX, 5G COVER WITH BRUSH PLATE, 1" CONDUIT STUB	16"	
WIRELESS ACCESS POINT (REFER TO DETAILS)		
GROUNDING BUS BAR WITH DEDICATED GROUND, (REFER TO DETAILS)		
CABLE TRAY, (12"x4" UNLESS NOTED OTHERWISE)		
CLOCK (REFER TO DETAILS)	90" TO CENTER	
MASTER CLOCK PANEL		
PAGING SYSTEM HEAD END		
NETWORK COMMUNICATION RACK - FLOOR STANDING 3" CLEAR ON BOTH SIDES 48"x34" FIRE-RATED PLYWOOD, AC FINISH, MOUNT VERTICALLY	12"	
CONDUIT SLEEVE IN ACCESSIBLE CEILING (2" CONDUIT UNLESS NOTED OTHERWISE, ONLY SHOWN ON PLANS INDICATING SPECIFIC CONDITIONS, REFER TO GENERAL NOTES FOR SLEEVES THAT ARE REQUIRED INTO ALL SPACES)		

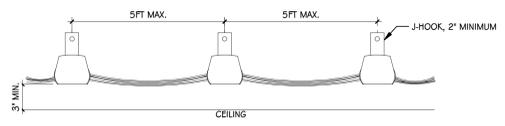
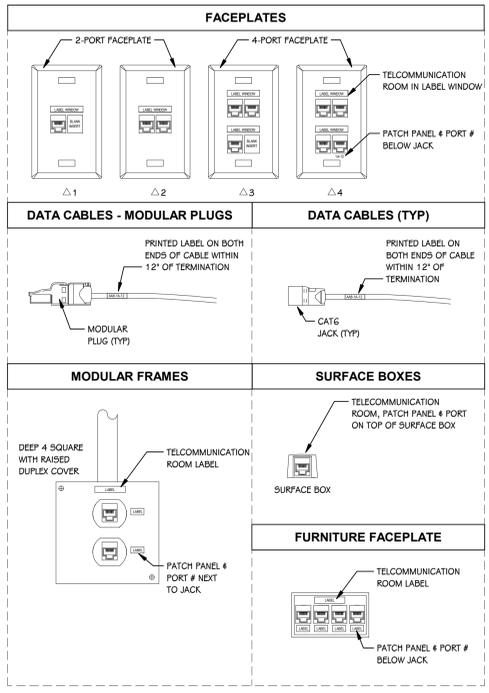
AUDIO/VISUAL	MOUNTING HEIGHTS	GENERAL TECHNOLOGY NOTES
FLAT PANEL DISPLAY LOCATION WITH EXISTING POWER AND LV PATHWAY		<p>7 CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT PHASING. TEMPORARY WIRING TO KEEP SYSTEMS RUNNING SHALL BE PROVIDED AS REQUIRED WHILE BUILDING IS OCCUPIED BETWEEN PHASES OF CONSTRUCTION.</p> <p>8 EACH INSTALLER IS REQUIRED TO BE CERTIFIED BY THE MANUFACTURER OF THE PRODUCTS THAT ARE INSTALLED (I.E. PANDUIT, BELDEN, HUBBELL, COMMSCOPE, ETC.).</p> <p>9 VALID BICSI TECH AND MANUFACTURER INSTALLER CERTIFICATES SHALL BE INCLUDED IN SUBMITTAL PACKAGE.</p> <p>10 ALL CERTIFICATION TEST RESULTS OF THE STRUCTURED CABLING SYSTEM SHALL BE SUBMITTED TO TOWERPINKSTER AS PART OF THE CLOSEOUT PACKAGE.</p> <p>11 STRUCTURED CABLING INTEGRATOR SHALL PROVIDE A MANUFACTURER'S 25 YEAR WARRANTY AT PROJECT COMPLETION.</p> <p>12 ALL CABLES SHALL HAVE A MINIMUM OF 5FT SERVICE LOOP AT OUTLET LOCATION OR AS NOTED ON DRAWINGS.</p> <p>13 ALL DATA CABLES SHALL HAVE A MINIMUM OF 5FT SERVICE LOOP IN THE TELECOMMUNICATIONS ROOM.</p> <p>14 DATA CABLES SHALL NOT BE BUNDLED IN GROUPS OF MORE THAN 24 WITHIN A TELECOMMUNICATIONS ROOM.</p> <p>15 STRUCTURED CABLING INTEGRATOR SHALL PROVIDE THE MINIMUM REQUIRED QUANTITY OF PATCH PANELS NEEDED FOR ALL DATA CABLES PLUS HAVE CAPACITY FOR A MINIMUM OF 20 FUTURE DATA CABLES.</p> <p>16 ALL DATA FACEPLATES SHALL MATCH THE COLOR, STYLE AND MATERIAL (I.E. STAINLESS STEEL, PLASTIC, ETC.) OF THE ELECTRICAL DEVICE FACEPLATE WITHIN EACH SPACE.</p> <p>17 ALL HORIZONTAL CABLES (CATEGORY CABLE, COAX, FIBER, ETC.) SHALL BE CERTIFIED BY USING A MINIMUM OF A LEVEL III CERTIFICATION TESTER THAT IS WITHIN MANUFACTURER'S CALIBRATION PERIOD.</p> <p>18 ALL BACKBONE FIBER STRANDS SHALL BE CERTIFIED BY USING A MINIMUM OF A LEVEL III CERTIFICATION TESTER THAT IS WITHIN MANUFACTURER'S CALIBRATION PERIOD.</p>
PROJECTOR LOCATION (POWER BY OTHERS)		
AV WALLPLATE (REFER TO DETAILS)		
TOUCH PANEL LOCATION (REFER TO DETAILS)		
MICROPHONE JACK	16"	
CEILING BOX, (REFER TO DETAILS)		
BLUETOOTH DEVICE - DEEP 4 50 BOX, 1-G OPENING, (REFER TO DETAILS)	40"	
ANTENNA, (REFER TO DETAILS)		
PROJECTOR SCREEN, (REFER TO DETAILS)		
LOUDSPEAKER CEILING - MOUNTED		
LOUDSPEAKER WALL - MOUNTED	40"	
VOLUME CONTROL		

AUDIO/VISUAL	MOUNTING HEIGHTS	GENERAL TECHNOLOGY NOTES
FLAT PANEL DISPLAY LOCATION WITH EXISTING POWER AND LV PATHWAY		<p>7 CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT PHASING. TEMPORARY WIRING TO KEEP SYSTEMS RUNNING SHALL BE PROVIDED AS REQUIRED WHILE BUILDING IS OCCUPIED BETWEEN PHASES OF CONSTRUCTION.</p> <p>8 EACH INSTALLER IS REQUIRED TO BE CERTIFIED BY THE MANUFACTURER OF THE PRODUCTS THAT ARE INSTALLED (I.E. PANDUIT, BELDEN, HUBBELL, COMMSCOPE, ETC.).</p> <p>9 VALID BICSI TECH AND MANUFACTURER INSTALLER CERTIFICATES SHALL BE INCLUDED IN SUBMITTAL PACKAGE.</p> <p>10 ALL CERTIFICATION TEST RESULTS OF THE STRUCTURED CABLING SYSTEM SHALL BE SUBMITTED TO TOWERPINKSTER AS PART OF THE CLOSEOUT PACKAGE.</p> <p>11 STRUCTURED CABLING INTEGRATOR SHALL PROVIDE A MANUFACTURER'S 25 YEAR WARRANTY AT PROJECT COMPLETION.</p> <p>12 ALL CABLES SHALL HAVE A MINIMUM OF 5FT SERVICE LOOP AT OUTLET LOCATION OR AS NOTED ON DRAWINGS.</p> <p>13 ALL DATA CABLES SHALL HAVE A MINIMUM OF 5FT SERVICE LOOP IN THE TELECOMMUNICATIONS ROOM.</p> <p>14 DATA CABLES SHALL NOT BE BUNDLED IN GROUPS OF MORE THAN 24 WITHIN A TELECOMMUNICATIONS ROOM.</p> <p>15 STRUCTURED CABLING INTEGRATOR SHALL PROVIDE THE MINIMUM REQUIRED QUANTITY OF PATCH PANELS NEEDED FOR ALL DATA CABLES PLUS HAVE CAPACITY FOR A MINIMUM OF 20 FUTURE DATA CABLES.</p> <p>16 ALL DATA FACEPLATES SHALL MATCH THE COLOR, STYLE AND MATERIAL (I.E. STAINLESS STEEL, PLASTIC, ETC.) OF THE ELECTRICAL DEVICE FACEPLATE WITHIN EACH SPACE.</p> <p>17 ALL HORIZONTAL CABLES (CATEGORY CABLE, COAX, FIBER, ETC.) SHALL BE CERTIFIED BY USING A MINIMUM OF A LEVEL III CERTIFICATION TESTER THAT IS WITHIN MANUFACTURER'S CALIBRATION PERIOD.</p> <p>18 ALL BACKBONE FIBER STRANDS SHALL BE CERTIFIED BY USING A MINIMUM OF A LEVEL III CERTIFICATION TESTER THAT IS WITHIN MANUFACTURER'S CALIBRATION PERIOD.</p>
PROJECTOR LOCATION (POWER BY OTHERS)		
AV WALLPLATE (REFER TO DETAILS)		
TOUCH PANEL LOCATION (REFER TO DETAILS)		
MICROPHONE JACK	16"	
CEILING BOX, (REFER TO DETAILS)		
BLUETOOTH DEVICE - DEEP 4 50 BOX, 1-G OPENING, (REFER TO DETAILS)	40"	
ANTENNA, (REFER TO DETAILS)		
PROJECTOR SCREEN, (REFER TO DETAILS)		
LOUDSPEAKER CEILING - MOUNTED		
LOUDSPEAKER WALL - MOUNTED	40"	
VOLUME CONTROL		

**NOTES:**  
MOUNT DEVICES AT HEIGHTS INDICATED UNLESS INDICATED OTHERWISE ON PLANS. HEIGHTS ARE TO BOTTOM OF DEVICE.

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ADDENDUM #1    05-05-2023  
ISSUED FOR    DATE



**TYPICAL LABELING DETAIL**  
SCALE: NONE

**CABLE SUPPORT DETAIL**  
SCALE: NONE

PROJECT TITLE  
**NORTHERN & CENTRAL COMMONS AND GYM AV SYSTEMS UPGRADES**

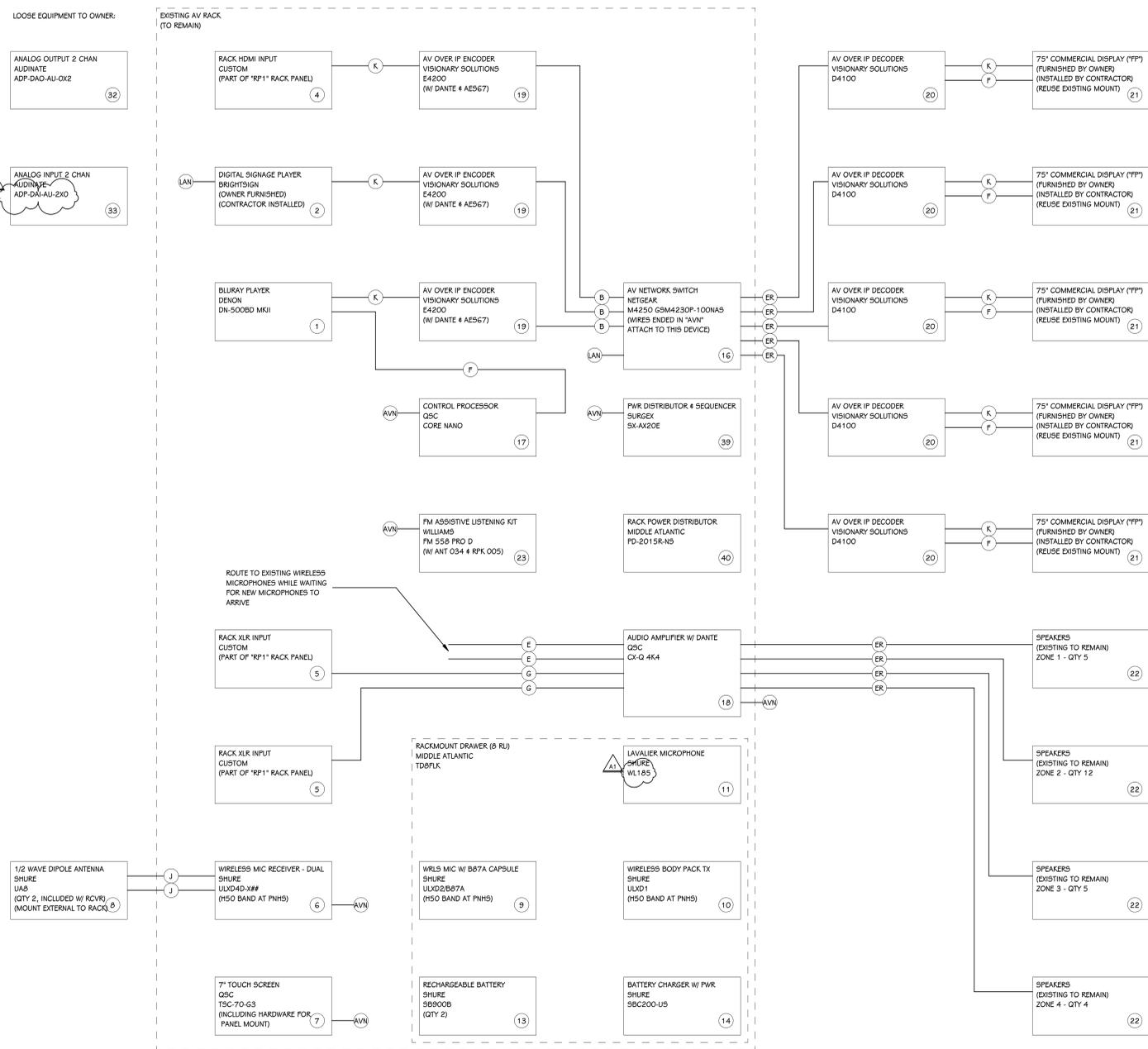
OWNER  
**PORTAGE PUBLIC SCHOOLS**

SHEET TITLE  
**TECHNOLOGY SYMBOLS AND GENERAL NOTES**

DATE  
**APRIL 20TH, 2023**

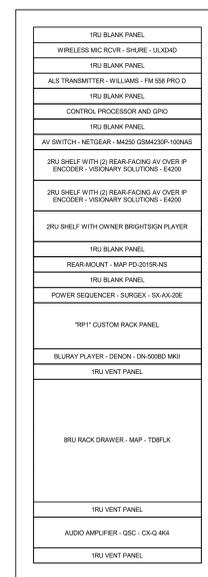
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Portage, MI 49002

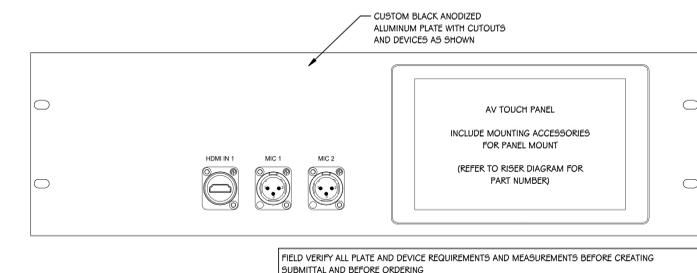


**AV1 RISER DIAGRAM - PNHS COMMONS AV**  
SCALE: NONE

DEMO ALL EQUIPMENT NO LONGER REQUIRED FROM RACK AND RETURN TO OWNER OR, AT OWNERS DIRECTION, RECYCLE. RE-DRESS AND LABEL ALL NEW AND EXISTING CABLING.

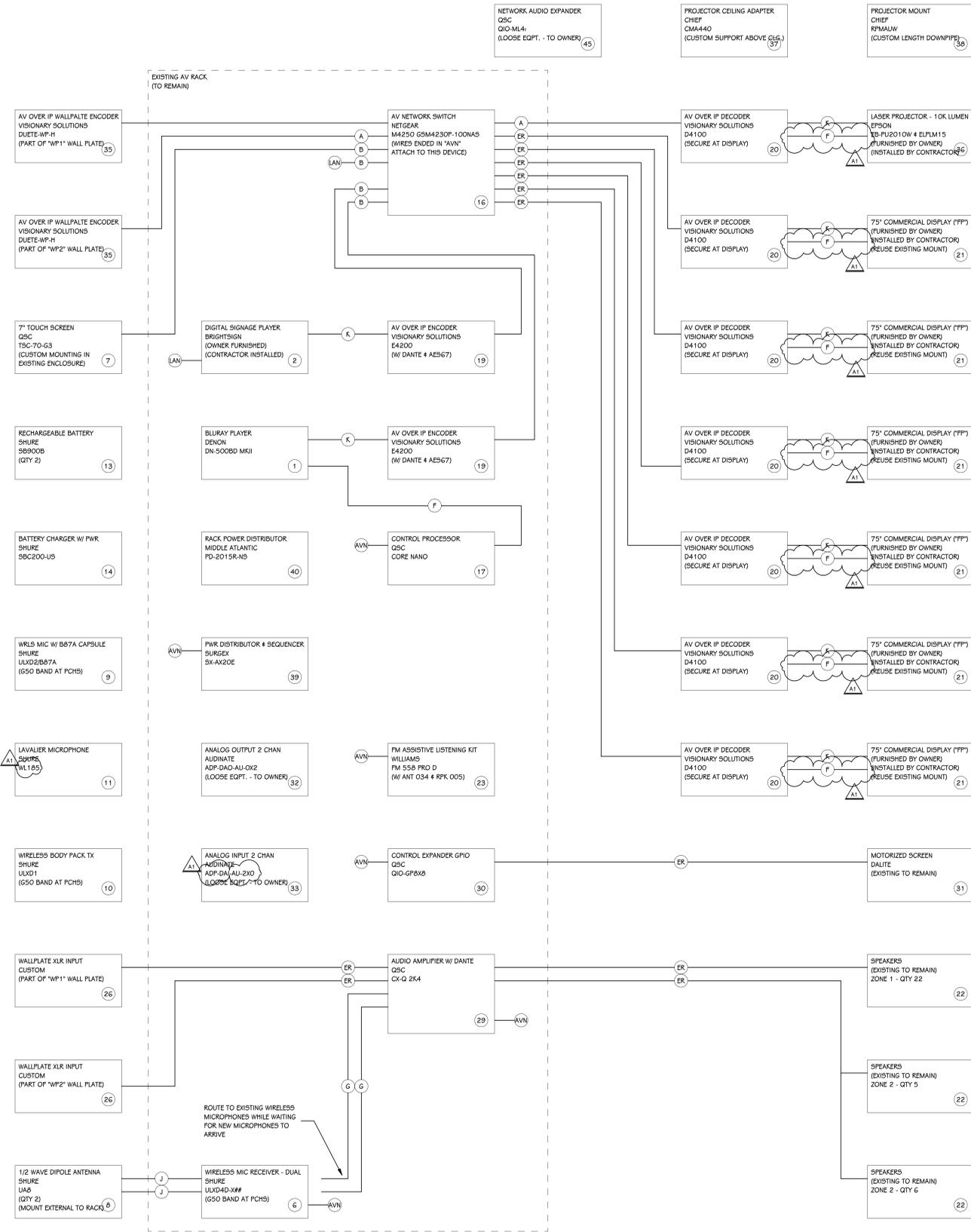


**NHS RACK ELEVATION DETAIL**  
1/12" = 1'-0"



**"RP1" RACK PANEL DETAIL**  
6" = 1'-0"

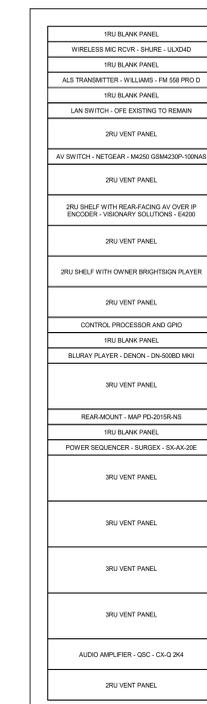
AV1 EQUIPMENT SCHEDULE				
KEY #	DESCRIPTION	MANUFACTURER	PART #	COMMENTS
1	BLURAY PLAYER	DENON	DN-500BD MKII	
2	DIGITAL SIGNAGE PLAYER	BRIGHTSIGN		
4	RACK HDMI INPUT	CUSTOM		
5	RACK XLR INPUT	CUSTOM		
6	WIRELESS MIC RECEIVER - DUAL	SHURE	ULXD4D-X##	
7	7" TOUCH SCREEN	QSC	TSC-70-G3	
8	1/2 WAVE DIPOLE ANTENNA	SHURE	UA8	
9	WRLS MIC W/ B87A CAPSULE	SHURE	ULXD2/B87A	
10	WIRELESS BODY PACK TX	SHURE	WL185	
11	LAVALIER MICROPHONE	SHURE	WL185	
13	RECHARGEABLE BATTERY	SHURE	SB900B	
14	BATTERY CHARGER W/ PWR	SHURE	SBC200-US	
16	AV NETWORK SWITCH	NETGEAR	M4250 GSM4230P-100NAS	
17	CONTROL PROCESSOR	QSC	CORE NANO	PROVIDE WITH 16X16 DANTE LICENSE, SCRIPTING LICENSE, UCI LICENSE, AND ANY OTHER SOFTWARE OR LICENSING REQUIRED FOR SYSTEM PROGRAMMING AND OPERATION.
18	AUDIO AMPLIFIER W/ DANTE	QSC	CX-Q 4K4	
19	AV OVER IP ENCODER	VISIONARY SOLUTIONS	E4200	
20	AV OVER IP DECODER	VISIONARY SOLUTIONS	D4100	
21	75" COMMERCIAL DISPLAY ("FP")	(FURNISHED BY OWNER)	(INSTALLED BY CONTRACTOR)	
22	SPEAKERS	(EXISTING TO REMAIN)		
23	FM ASSISTIVE LISTENING KIT	WILLIAMS	FM 558 PRO D	
32	ANALOG OUTPUT 2 CHAN	AUDINATE	ADP-DAO-AU-6X2	
33	ANALOG INPUT 2 CHAN	AUDINATE	ADP-DAI-AU-2X0	
39	PWR DISTRIBUTOR & SEQUENCER	SURGEX	SX-AX20E	
40	RACK POWER DISTRIBUTOR	MIDDLE ATLANTIC	PD-2015R-NS	LENGTH AS REQUIRED FOR APPLICATION
A	CAT6 BULK CABLE	SEE CABLE DETAIL SCHEDULE		
AVN	AV NETWORK (LOCAL)	SEE CABLE DETAIL SCHEDULE		CONNECTION TO AV NETWORK (LOCAL)
B	CAT6 PATCH CORD	SEE CABLE DETAIL SCHEDULE		LENGTH AS REQUIRED FOR APPLICATION
E	LINE AUDIO CABLE	BELDEN	9451P	CONNECTORS AS REQUIRED FOR APPLICATION. NEUTRIK NP[2/3]X-BAG FOR TS/TRS
ER	EXISTING CABLE TO BE REUSED	VARIOUS	VARIOUS	REPLACE CONNECTORS AS REQUIRED
F	CONTROL CABLE	BELDEN	9451P	CONNECTORS AS REQUIRED FOR APPLICATION.
G	MICROPHONE CABLE	BELDEN	8451	CONNECTORS AS REQUIRED FOR APPLICATION. NEUTRIK NC3(M)/FX-BAG FOR XLR
J	RF ANTENNA CABLE	BELDEN	89913	INCREASE CONDUCTOR GAUGE AS NEEDED TO MAINTAIN SUFFICIENT SIGNAL
K	HDMI CABLE	KRAMER	C-HM/HM/PICO/[XX]-[###]	LENGTH AS REQUIRED FOR APPLICATION WITH "###". MATCH COLOR WITH "XX". USE C-HM/HM/PRO-[###] FOR LENGTHS OVER 9'.
LAN	PRODUCTION LAN			CONNECTION TO BUILDING LAN



AV2 RISER DIAGRAM - PCHS COMMONS AV  
SCALE: NONE

AV2 EQUIPMENT SCHEDULE				
KEY	DESCRIPTION	MANUFACTURER	PART #	COMMENTS
1	BLURAY PLAYER	DENON	DN-500BD MKII	
2	DIGITAL SIGNAGE PLAYER	BRIGHTSIGN		
6	WIRELESS MIC RECEIVER - DUAL	SHURE	ULXD4D-X##	
7	7" TOUCH SCREEN	QSC	TSC-70-G3	
8	1/2 WAVE DIPOLE ANTENNA	SHURE	UA8	
9	WRLS MIC W/ B87A CAPSULE	SHURE	ULXD2/B87A	
10	WIRELESS BODY PACK TX	SHURE	JLXD1	
11	LAVALIERS MICROPHONE	SHURE	WL185	
13	RECHARGEABLE BATTERY	SHURE	SB900B	
14	BATTERY CHARGER W/ PWR	SHURE	SBC200-US	
16	AV NETWORK SWITCH	NETGEAR	M4250 GSM4230P-100NAS	
17	CONTROL PROCESSOR	QSC	CORE NANO	
19	AV OVER IP ENCODER	VISIONARY SOLUTIONS	E4200	PROVIDE WITH 16X16 DANTE LICENSE, SCRIPTING LICENSE, UCI LICENSE, AND ANY OTHER SOFTWARE OR LICENSING REQUIRED FOR SYSTEM PROGRAMMING AND OPERATION.
20	AV OVER IP DECODER	VISIONARY SOLUTIONS	D4100	
21	75" COMMERCIAL DISPLAY ("FP")	(FURNISHED BY OWNER)	(INSTALLED BY CONTRACTOR)	
22	SPEAKERS	(EXISTING TO REMAIN)		
23	FM ASSISTIVE LISTENING KIT	WILLIAMS	FM 558 PRO D	
26	WALLPLATE XLR INPUT	CUSTOM		
29	AUDIO AMPLIFIER W/ DANTE	QSC	CX-Q 2K4	
30	CONTROL EXPANDER GPIO	DALITE	QIO-GP8X8	(EXISTING TO REMAIN)
31	MOTORIZED SCREEN	DALITE	ADP-DAU-2X0	
32	ANALOG OUTPUT 2 CHAN	AUDINATE	ADP-DAU-0X2	
33	ANALOG INPUT 2 CHAN	AUDINATE	ADP-DAU-2X0	
35	AV OVER IP WALLPALTE ENCODER	VISIONARY SOLUTIONS	DUETE-WP-H	
36	LASER PROJECTOR - 10K LUMEN	EPSON	EB-PU2010W & ELPLM15	
37	PROJECTOR CEILING ADAPTER	CHIEF	CMA440	
38	PROJECTOR MOUNT	CHIEF	RPMAUW	
39	PWR DISTRIBUTOR & SEQUENCER	SURGEX	SX-AX20E	
40	RACK POWER DISTRIBUTOR	MIDDLE ATLANTIC	PD-2015R-NS	
45	NETWORK AUDIO EXPANDER	QSC	QIO-ML4i	
A	CAT6 BULK CABLE	SEE CABLE DETAIL SCHEDULE		LENGTH AS REQUIRED FOR APPLICATION
AVN	AV NETWORK (LOCAL)			CONNECTION TO AV NETWORK (LOCAL)
B	CAT6 PATCH CORD	SEE CABLE DETAIL SCHEDULE		LENGTH AS REQUIRED FOR APPLICATION
ER	EXISTING CABLE TO BE REUSED	VARIOUS	VARIOUS	REPLACE CONNECTORS AS REQUIRED
F	CONTROL CABLE	BELDEN	9451P	CONNECTORS AS REQUIRED FOR APPLICATION.
G	MICROPHONE CABLE	BELDEN	8451	CONNECTORS AS REQUIRED FOR APPLICATION. NEUTRIK NC3(M/F)XX-BAG FOR XLR
J	RF ANTENNA CABLE	BELDEN	89913	INCREASE CONDUCTOR GAUGE AS NEEDED TO MAINTAIN SUFFICIENT SIGNAL
K	HDMI CABLE	KRAMER	C-HM/HM/PICO/[XX]-[##]	LENGTH AS REQUIRED FOR APPLICATION WITH "##". MATCH COLOR WITH "XX". USE C-HM/HM/PRO-[##] FOR LENGTHS OVER 9'.
LAN	PRODUCTION LAN			CONNECTION TO BUILDING LAN

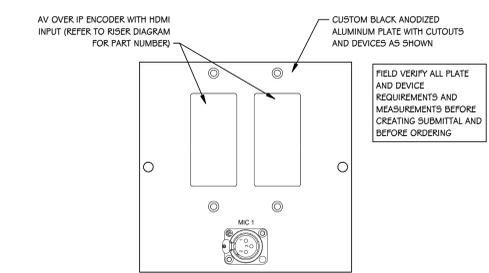
DEMO ALL EQUIPMENT NO LONGER REQUIRED FROM RACK AND RETURN TO OWNER OR, AT OWNER'S DISCRETION, RECYCLE. RE-DRESS AND LABEL ALL NEW AND EXISTING CABLING.



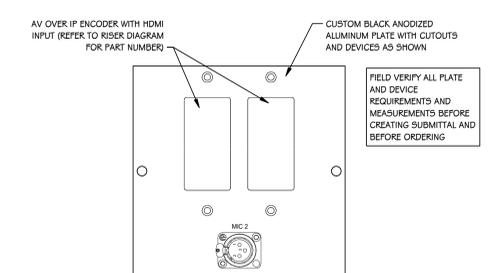
CHS COMMONS RACK ELEVATION DETAIL  
SCALE: 1/2" = 1'-0"



CHS COMMONS "TP" TOUCH PANEL DETAIL  
SCALE: NONE



"WP1" WALL PLATE DETAIL  
SCALE: 6" = 1'-0"



"WP2" WALL PLATE DETAIL  
SCALE: 6" = 1'-0"

ADDENDUM #1 05-05-2023  
ISSUED FOR DATE

PROJECT TITLE  
NORTHERN & CENTRAL COMMONS AND  
GYM AV SYSTEMS UPGRADES

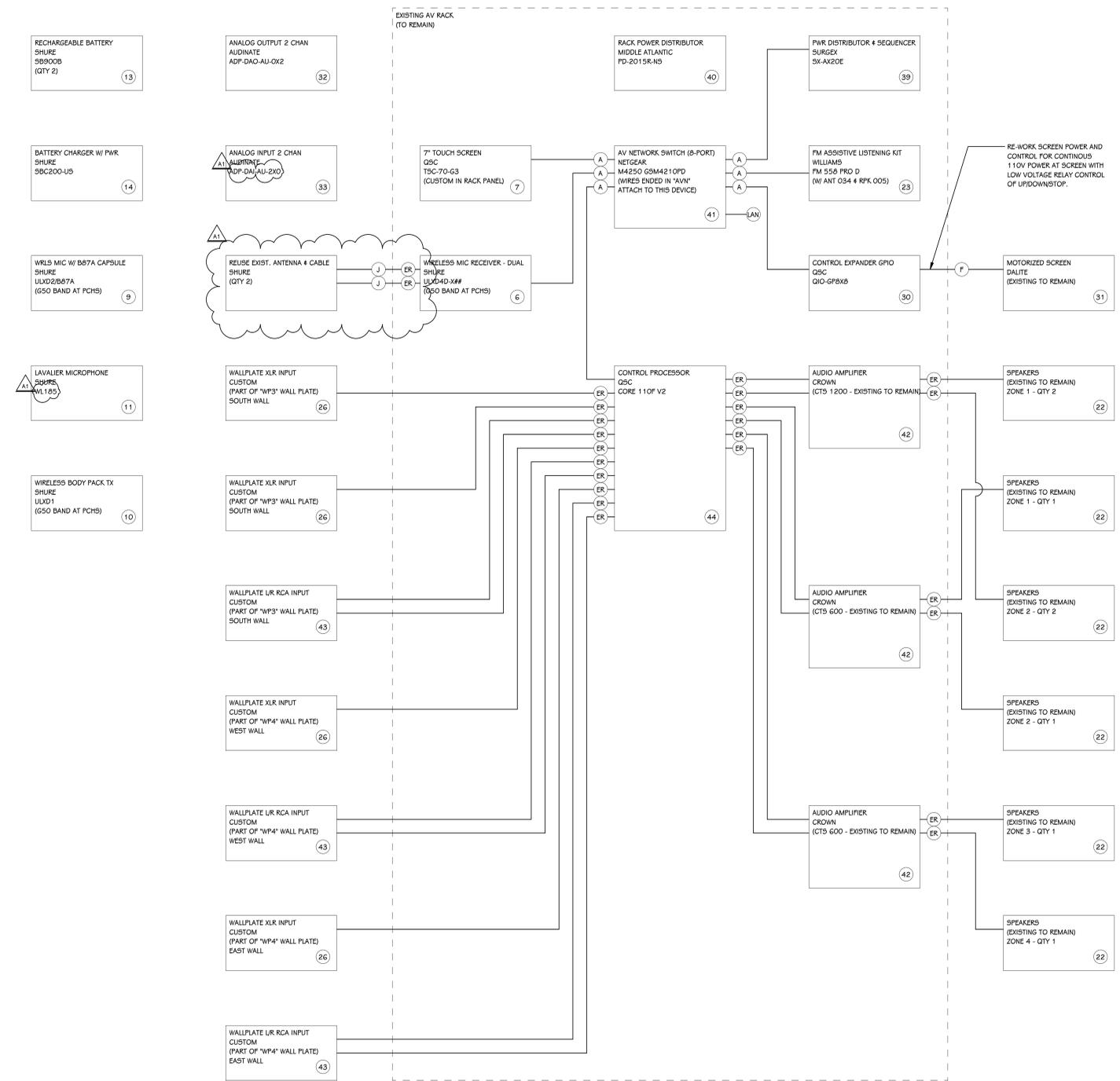
OWNER  
PORTAGE PUBLIC SCHOOLS

SHEET TITLE  
TECHNOLOGY DETAILS - AV2 - CHS  
COMMONS AV

8107 MUSTANG DR.  
Portage, MI 49002

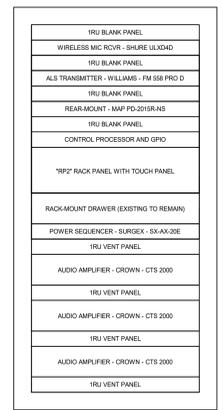
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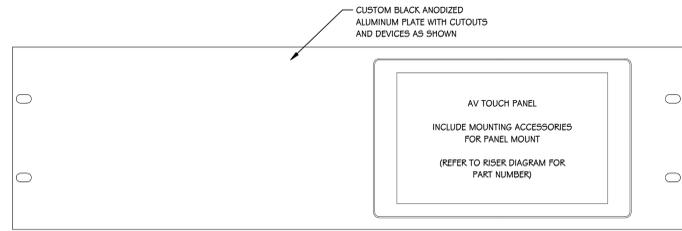


**AV3 RISER DIAGRAM - PCHS GYM AV**  
SCALE: NONE

DEMO ALL EQUIPMENT NO LONGER REQUIRED FROM RACK AND RETURN TO OWNER OR, AT OWNER'S DIRECTION, RECYCLE. RE-DRESS AND LABEL ALL NEW AND EXISTING CABLING.



**CHS GYM RACK ELEVATION DETAIL**  
1 1/2" = 1'-0"



**"RP2" RACK PANEL DETAIL**  
6" = 1'-0"

AV3 EQUIPMENT SCHEDULE				
KEY #	DESCRIPTION	MANUFACTURER	PART #	COMMENTS
6	WIRELESS MIC RECEIVER - DUAL	SHURE	ULXD4D-X##	
7	7" TOUCH SCREEN	QSC	TSC-70-G3	
9	WRLS MIC W/ B87A CAPSULE	SHURE	ULXD2/B87A	
10	WIRELESS BODY PACK TX	SHURE	ULXD1	
11	LAVALIERS MICROPHONE	SHURE	WL185	
13	RECHARGEABLE BATTERY	SHURE	SB900B	
14	BATTERY CHARGER W/ PWR	SHURE	SBC200-US	
22	SPEAKERS	(EXISTING TO REMAIN)		
23	FM ASSISTIVE LISTENING KIT	WILLIAMS	FM 558 PRO D	
26	WALLPLATE XLR INPUT	CUSTOM		
30	CONTROL EXPANDER GPIO	QSC	QIO-GP8X8	
31	MOTORIZED SCREEN	DALITE	(EXISTING TO REMAIN)	
32	ANALOG OUTPUT 2 CHAN	AUDINATE	ADP-DAO-AU-0X2	
33	ANALOG INPUT 2 CHAN	AUDINATE	ADP-DAI-AU-2X0	
39	PWR DISTRIBUTOR & SEQUENCER	SURGEX	SX-AX20E	
40	RACK POWER DISTRIBUTOR	MIDDLE ATLANTIC	PD-2015R-NS	
41	AV NETWORK SWITCH (8-PORT)	NETGEAR	M4250 GSM4210PD	
42	AUDIO AMPLIFIER	CROWN		
43	WALLPLATE L/R RCA INPUT	CUSTOM		
44	CONTROL PROCESSOR	QSC	CORE 110F V2	PROVIDE WITH 8X8 DANTE LICENSE, SCRIPTING LICENSE, UCI LICENSE, AND ANY OTHER SOFTWARE OR LICENSING REQUIRED FOR SYSTEM PROGRAMMING AND OPERATION.
ER	EXISTING CABLE TO BE REUSED	VARIOUS	VARIOUS	REPLACE CONNECTORS AS REQUIRED
F	CONTROL CABLE	BELDEN	9451P	CONNECTORS AS REQUIRED FOR APPLICATION.
J	RF ANTENNA CABLE	BELDEN	89913	INCREASE CONDUCTOR GAUGE AS NEEDED TO MAINTAIN SUFFICIENT SIGNAL