AUDIOVISUAL DIVISION OF SCOPE SCHEDULE

Project Items	Furnished By	Installed By	Configured/ Programmed By	Notes
Power outlets & receptacles: 120V and 208V; branch wiring, etc...	EC	EC	N/A	
Data outlets & jacks; structured cabling, patch panels, etc...	TC	TC	TC	
Data network switches, routers, firewall hardware, etc...	OFE	OFE	OFE	AV network hardware by AVC, Enterprise network hardware by Owner
Low-Voltage pathway, including cable-tray, J-hooks, rings etc...	EC	EC	N/A	
Low & Medium-Voltage pathway, including conduit, wall-boxes, j-boxes, NEMA enclosures and flush boxes, pull-string & fittings	EC	EC	N/A	
Low & Medium-Voltage specialty enclosures, including: display backboxes, projector service boxes/enclosures, floor-boxes and fittings, specialty wall-boxes	EC	EC	N/A	
Low-Voltage wiring/cabing and connectivity, including: AV cabling, terminations, connectors and custom panels and plates	AVC	AVC	AVC	
Low-Voltage control systems, including: cabling, processors, programming, and interface to devices via TCP/IP, RS-232/422/485, relay/contact, digital and analog I/O	AVC	AVC	AVC	
Audio sysytems, installation and programming, including: Processors, DSP, loudspeakers, loudspeaker enclosures, amplifiers, distribution & consolidation devices, devices, etc...	AVC	AVC	AVC	
Video Systems hardware and installation, including: Displays, Projectors, Routers, Processors, Transport, including encoders/decoders/transcoders, Monitors, Mounts/Stands and related hardware & devices, etc...	AVC	AVC	AVC	
Audiovisual furniture and accessores, such as: Lecterns, podiums, AV/technology workstations/benches	FF&E	FF&E	N/A	
Key				
AVC - Audiovisual Contractor	**TC - Telecommunications/Structured Cabling Contractor**			
GC - General Contractor	**OFE- Owner Furnished Equipment**			
EC - Electrical Contractor	**OFOI - Owner Furnished, Owner Installed**			
FF&E - Furniture/Furnishings Vendor/Contractor				

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	ICDM/IC	INTERCOM	PB	PULL BOX
ATT	ATTENUATOR	IDF	INTERMEDIATE DISTRIBUTION FRAME	PBX	PRIVATE BRANCH EXCHANGE
AV	AUDIO VISUAL	IG	ISOLATED GROUND	POE	POWER OVER ETHERNET
AVL	AUDIO/VISUAL/LIGHTING	ISO	ISOLATION	PROJ	PROJECTOR
BSRH	BUILDING STANDARD RECEPTACLE HEIGHT	L/R	LEFT/RIGHT	SBRH	STANDARD BUILDING RECEPTACLE HEIGHT
BSSH	BUILDING STANDARD SWITCH HEIGHT			SJ	SPEAKER JUNCTION BOX
		MC	MAIN CROSS-CONNECT	SMOF	SINGLE-MODE OPTICAL FIBER
CD	COMPACT DISC	MCS	MULTIMEDIA COMMUNICATION SYSTEM	SYNC	SYNCHRONIZATION
CH	CHANNEL	MDF	MAIN DISTRIBUTION FRAME		
CKT	CIRCUIT	MH	MAINTENANCE HOLE	TEMP	TEMPORARY
CLG	CEILING	MIC	MICROPHONE	TGB	AUDIO VIDEO GROUNDING BUSBAR
		MIX	MIXER	TSER	AUDIO VIDEO SERVICE ENTRANCE ROOM
DA	DISTRIBUTION AMP	MMOF	MULTIMODE OPTICAL FIBER	TYP	TYPICAL
DIA	DIAMETER	MOD	MODULATOR		
DIM	DIMENSION	MON	MONITOR	UNBAL	UNBALANCED
DWG	DRAWING	MTD	MOUNTED	UNO	UNLESS NOTED OTHERWISE
				UPS	UNINTERRUPTED POWER SUPPLY
ELEC	ELECTRICAL	N	NEUTRAL	UTP	UNSHIELDED TWISTED PAIR
EQUIP	EQUIPMENT	NIC	NOT IN CONTRACT		
				VID	VIDEO
G/GND	GROUND	OC	ON CENTER	VJ	VIDEO JUNCTION BOX
GA	GAUGE	OD	OUTSIDE DIAMETER		
GEN	GENERATOR	OFE	OWNER FURNISHED EQUIPMENT	W	WATT
				W/	WITH
HF	HIGH FREQUENCY			W/O	WITHOUT
HORIZ	HORIZONTAL				

GENERAL INFORMATION & DIVISION OF LABOR

TERMS:
FURNISH = PROVIDE AND INSTALL.
PROVIDE = DELIVER TO CUSTOMER IN BOX.
INSTALL = TAKE PROVIDED PIECE AND INSTALL PER DRAWING AND SPEC.

ELECTRICAL CONTRACTOR:

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT AND BOXES ASSOCIATED WITH THE AUDIOVISUAL SYSTEMS INFRASTRUCTURE AS SHOWN ON THE INFRASTRUCTURE DRAWINGS.
2. ELECTRICAL CONTRACTOR SHALL SUPPLY ALL JUNCTION BOXES FOR THE AV SYSTEMS WITH APPROPRIATE COVERS. ALL UNUSED OR 'FUTURE' BOXES SHALL BE PROVIDED WITH BLANK COVERS TO MATCH OTHER DIV. 26 COVER AND DEVICE PLATES.
3. ALL CONDUITS NOT SPECIFICALLY IDENTIFIED SHALL BE 3/4".
4. ALL CONDUITS BELOW GRADE SHALL BE PVC OR AS REQUIRED BY CODE. ALL CONDUITS ABOVE GRADE SHALL BE EMT OR AS REQUIRED BY CODE.
5. NO CONDUIT SHALL BE INSTALLED WITH MORE THAN THREE (3) 90 DEGREE BENDS. IF A CONDUIT RUN REQUIRES MORE THAN THREE BENDS OR IF THE CONDUIT RUN IS IN EXCESS OF 150' IN TOTAL LENGTH, INSERT A PULL BOX OR USE THE NEXT LARGER SIZE CONDUIT.
6. ALL CONDUITS TO BE LABELED AT THE SOURCE BOX WITH THE DESTINATION BOX IN A CLEAR AND LOGICAL MANNER.
7. ENDS OF ALL CONDUITS ARE TO BE DEBURRED AND SHALL HAVE AN APPROPRIATE BUSHING INSTALLED.
8. ELECTRICAL CONTRACTOR SHALL SUPPLY A POLY PULL-LINE IN EACH CONDUIT. WHERE CALLED OUT ON THE RISER DIAGRAMS, A SPARE OR SECONDARY PULL STRING SHALL BE PROVIDED.
9. ALL LINE VOLTAGE WIRE FOR THE SOUND AND VIDEO SYSTEMS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
10. LINE VOLTAGE CONDUITS SHALL MAINTAIN A MINIMUM OF 24" SEPARATION FROM AUDIO SIGNAL CONDUITS EXCEPT TO CROSS AT 90° ANGLE WHEN NECESSARY.
11. ALL AV FLOOR POCKETS INCLUDING COVER PLATES AND LIDS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
12. PROVIDE A #6 TECHNICAL GROUND WIRE FROM EACH MAIN OR FIXED EQUIPMENT RACK TO THE LOCAL TELECOMMUNICATIONS GROUNDING BUS BAR (TGBB). TELECOMMUNICATIONS MAIN GROUNDING BUS BAR (TMGB) - WHICHEVER IS NEAREST OR IN THE ABSENCE OF A TECHNOLOGY GROUNDING SYSTEM. THE MAIN GROUNDING BAR OF THE BUILDING SERVICE ENTRANCE MAIN ELECTRICAL PANEL (MDP/BSP).

AV CONTRACTOR:

1. ALL LOW VOLTAGE WIRE FOR THE AUDIOVISUAL SYSTEMS SHALL BE SUPPLIED AND INSTALLED BY THE AV CONTRACTOR.
2. NO WIRE SPLICES ALLOWED. ALL INTERCONNECTIONS MUST USE CONNECTORS, TERMINAL BLOCKS OR OTHER FIXED APPROVED MEANS (REFER TO SPECIFICATIONS 27 41 XX)
3. ENGRAVED PANELS IN FLOOR BOXES AND ON WALL PLATES SHALL BE FURNISHED AND INSTALLED BY THE AV CONTRACTOR. REFER TO SPECIFICATIONS FOR TYPE, TEXT, FINISH AND COLOR INFORMATION.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION DETAILS.

CONDUIT SEPARATION DETAIL / DATA

CONDUIT LOCATION SEPARATION DATA

POWER CONDUIT TYPE	AV EQUIPMENT LOCATION	UNDER 60 AMP	60 TO 120 AMP
EMT	CONTROL ROOM	OK	30 IN
RIGID STEEL	CONTROL ROOM	OK	OK
EMT	HOUSE MIX/PULL PATH	OK	4 FT
RIGID STEEL	HOUSE MIX/PULL PATH	OK	1 FT
EMT	PLATFORM, PIT	OK	4 FT
RIGID STEEL	PLATFORM, PIT	OK	1 FT
EMT	EQUIPMENT ROOMS	OK	30 IN
RIGID STEEL	EQUIPMENT ROOMS	OK	OK

NO LARGE POWER TRANSFORMERS OR MOTORS SHOULD BE LOCATED WITHIN 50 FEET OF RECORDING OR BROADCAST STUDIOS, STAGES, WORSHIP PLATFORMS, CONTROL ROOMS, A/V EQUIPMENT ROOMS, OR SOUND CONTROL POSITIONS.

POWER CONDUCTOR SIZING DATA

DISTANCE	CONDUCTOR SIZE
0' - 100'	#12 AWG CONDUCTORS
100' - 175'	#10 AWG CONDUCTORS
175' - 250'	#8 AWG CONDUCTORS
250' - 400'	#6 AWG CONDUCTORS

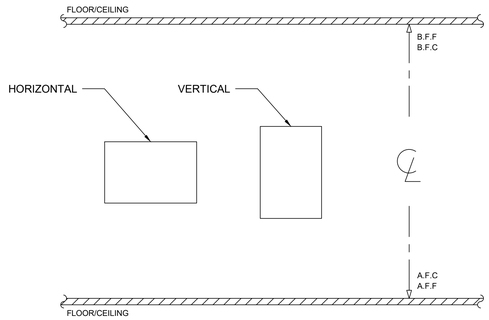
*CONDUCTOR SIZING BASED ON 1200W LOAD @ 120V AC

CONDUIT SEPARATION DATA

AUDIO / VIDEO CONDUIT TYPE	POWER CONDUIT TYPE	SEPARATION DISTANCE		
		UNDER 20 AMP	ABOVE 20 AMP	ABOVE 120 AMP
PVC	PVC	4 FT	12 FT	NO
EMT	EMT	2 FT	4 FT	NO
EMT	RIGID	4 IN	1 FT	4 FT
RIGID	RIGID	1 IN	4 IN	16 IN

*AMPERAGE IN CONDUIT IS THE SUM OF ALL CURRENT CONDUCTORS IN THE PIPE.
NO DESIGNATES A CONDITION THAT SHOULD NOT BE DONE.

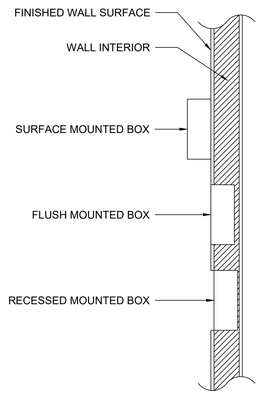
ELECTRICAL WALL BOX DIMENSIONS AND ORIENTATION



DRAWING INDEX

AV0-0	AV COVER SHEET
AV0-1	PROJECTOR MOUNTING DETAILS
AV1-B	AV SYSTEMS GROUND FLOOR PLAN
AV2-B	AV SYSTEMS GROUND FLOOR RCP
AV3-B	AV INFRASTRUCTURE GROUND FLOOR PLAN
AV4-B	AV INFRASTRUCTURE GROUND FLOOR RCP
AV5-0	AV CONDUIT RISER
AV6-0	AV SCHEDULES
AV7-0	AV SECTIONS & ELEVATIONS
AV8-0	AV DETAILS
AV8-1	AV DETAILS
AV9-0	AV SCHEMATICS - VIDEO SYSTEMS
AV9-1	AV SCHEMATICS - AUDIO SYSTEMS

ELECTRICAL WALL BOX MOUNTING METHODS



SYMBOL LEGEND

INFRASTRUCTURE SYMBOLS

(ELECTRICAL BOXES, PATHWAY, POWER & DATA REQUIRMENTS - REFER TO NOTES & DIVISION OF SCOPE MATRIX)

WALL BOX

HT* — MOUNTING HEIGHT, ON-CENTER
XX-XX — [BOX DESIGNATION, BY APPLICATION]* - [NUMBER DESIGNATION]
TYPE — [X]G = GANG TYPE BOX
[X]X[X] = NEMA TYPE BOX SIZE
(REFER TO ELEC. DEVICE SCHEDULE FOR DEPTH & TYPE INFORMATION)
JB = 4-1/8" SQUARE BOX TYPE
[CUSTOM TYPE DESIGNATION]
(REFER TO ELEC. DEVICE SCHEDULE FOR SPECIALTY BACKBOX MANUFACTURER, MODEL AND OTHER INFO)

*BOX DESIGNATION REFERS TO APPLICATION OF BOX FOR AV PANELS OR SERVICES, WHICH MAY INCLUDE:
ANT - RF ANTENNA
CAM - CAMERA
CP - CONTROL PANEL (BUTTON OR TOUCH)
IC - INTERCOM PANEL (PRODUCTION OR PAGING)
IP - INPUT PANEL
IR - INFRARED EMITTER PANEL
MIC - MICROPHONE PANEL
PB - PULL-BOX (BLANK COVER)
RSP - ROOM SCHEDULING PANEL
SPK - LOUDSPEAKER OR BACKBOX
VJ - DISPLAY DEVICE BOX
WAP - WIRELESS ACCESS POINT (AV SPECIFIC)
WB - WALL BOX (SAME AS 'PB' WITH GROMMETED COVER)
WP - WALL PANEL (INPUT/OUTPUT CONNECTIONS)

DUPLEX RECEPTACLE

XX" — MOUNTING HEIGHT, ON-CENTER
XXXX — RECEPTACLE TYPE/QUANTITY
[XXX]V, [XX]A = VOLTS/AMPS
DED. = DEDICATED CIRCUIT REQ'D.

SPECIAL RECEPTACLE

XX" — MOUNTING HEIGHT, ON-CENTER
XXXX — RECEPTACLE TYPE
[XXX]V, [XX]A, [X]P, [X]W = VOLTS, CCT AMPACITY, POLES, WIRES
NEMA [XXXX]R = NEMA TYPE (REFER TO ELEC. DEVICE SCHEDULE IF NOT PRESENT)

DATA OUTLET

XX — QUANTITY OF JACKS REQUIRED (RJ-45, CAT6, TYPICAL -REFER TO DIV 27 SPECS)
(REFER TO ADJACENT AV-BOX OR RECEPTACLE FOR REQUIRED MOUNTING HEIGHT)

FLOORBOX

FB-XX — FLOOR BOX - [NUMBER DESIGNATION]
(REFER TO FLOOR BOX SCHEDULE ON AV SCHEDULES DRAWINGS)
XXX — QUANTITY OF JACKS REQUIRED (RJ-45, CAT6, TYPICAL - REFER TO DIV 27 SPECS)
FB-XX — POWER/DATA REQUIREMENT (WHEN SHOWN)
XXXX — RECEPTACLE TYPE/QUANTITY
[XXX]V, [XX]A = VOLTS/AMPS
DED. = DEDICATED CIRCUIT REQ'D.

POKE-THRU DEVICE

PTD-XX — POKE-THRU DEVICE - [NUMBER DESIGNATION]
(REFER TO FLOOR BOX SCHEDULE ON AV SCHEDULES DRAWINGS)
XX — QUANTITY OF JACKS REQUIRED (RJ-45, CAT6, TYPICAL - REFER TO DIV 27 SPECS)
PTD-XX
XXXX — RECEPTACLE TYPE/QUANTITY
[XXX]V, [XX]A = VOLTS/AMPS
DED. = DEDICATED CIRCUIT REQ'D.

CEILING LOUDSPEAKER (LOUDSPEAKER ROUGH-IN)

RECESSED/FLUSH MOUNTED
S / X — SPEAKER TYPE (REFER TO DEVICE SCHEDULE ON AV SCHEDULES DRAWING)

SURFACE/PENDANT MOUNTED

S / X — SPEAKER TYPE (REFER TO DEVICE SCHEDULE ON AV SCHEDULES DRAWING)

CEILING BOXES

MOUNTED IN FINISHED CLG
XX-XX / TYPE — BOX TYPE
[X]G = GANG TYPE BOX
[X]x[X] = NEMA TYPE BOX SIZE (REFER TO ELEC. DEVICE SCHEDULE FOR DEPTH & TYPE INFORMATION)
JB = 4-1/8" SQUARE BOX TYPE (REFER TO ELEC. DEVICE SCHEDULE FOR DEPTH & TRIM RING INFO)

SURFACE/STRUCTURE MOUNTED

XX-XX / TYPE — BOX TYPE
[X]G = GANG TYPE BOX
[X]x[X] = NEMA TYPE BOX SIZE (REFER TO ELEC. DEVICE SCHEDULE FOR DEPTH & TYPE INFORMATION)
JB = 4-1/8" SQUARE BOX TYPE (REFER TO ELEC. DEVICE SCHEDULE FOR DEPTH & TRIM RING INFO)

PROJECTION SCREEN MOTOR

M — REFER TO MOTORIZED PROJECTION SCREEN SCHEDULE ON AV SCHEDULES SHEET FOR POWER REQUIREMENTS
LVC — INDICATES LOW-VOLTAGE CONTROLLER UNIT, WHEN PRESENT
(REFER TO MOTORIZED PROJECTION SCREEN SCHEDULE ON AV SCHEDULES SHEET)

CEILING DUPLEX RECEPTACLE

XXXX — RECEPTACLE TYPE
[XXX]V, [XX]A = VOLTS/AMPS
DED. = DEDICATED CIRCUIT REQ'D.

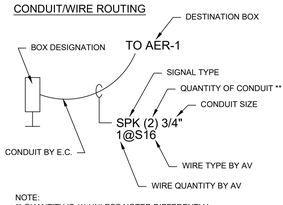
CEILING SPECIAL RECEPTACLE

XXXX — RECEPTACLE TYPE
[XXX]V, [XX]A, [X]P, [X]W = VOLTS, CCT AMPACITY, POLES, WIRES
NEMA [XXXX]R = NEMA TYPE (REFER TO ELEC. DEVICE SCHEDULE IF NOT PRESENT)

CEILING RECEPTACLE

XX — QUANTITY OF JACKS REQUIRED (RJ-45, CAT6, TYPICAL - REFER TO DIV 27 SPECS)
(REFER TO ADJACENT AV-BOX OR RECEPTACLE FOR REQUIRED MOUNTING HEIGHT)

CONDUIT/WIRE ROUTING



NOTE:
** QUANTITY IS (1) UNLESS NOTED DIFFERENTLY.

AV EQUIPMENT TAG



NOTE:
SEE AUDIOVISUAL EQUIPMENT SCHEDULE

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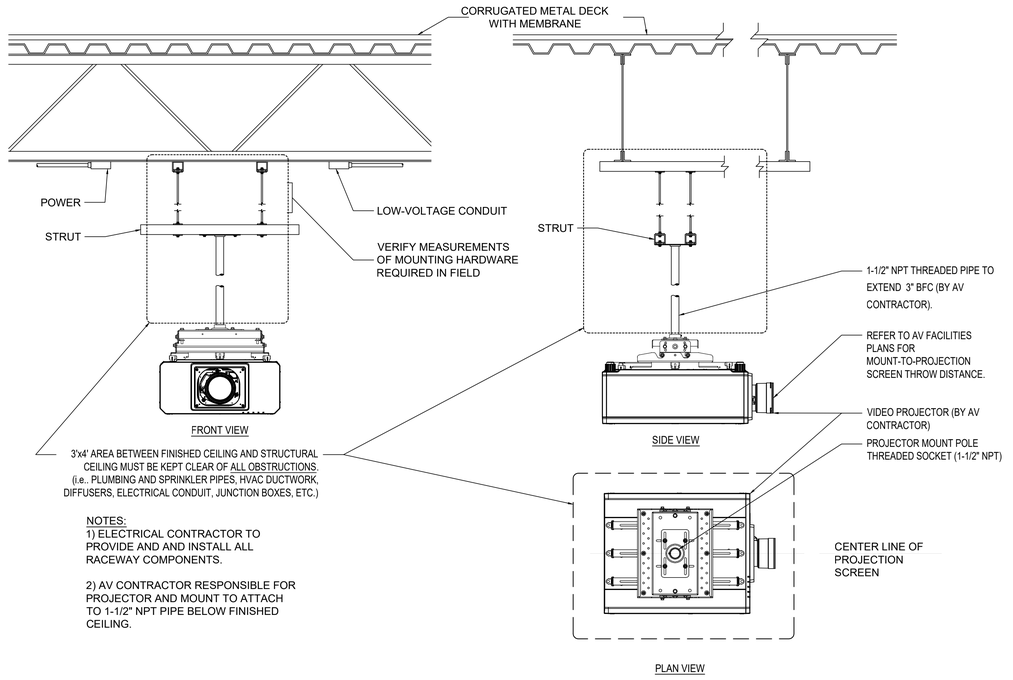
SOUTH HALF
AV COVER SHEET
NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

PROJ. NO.	310
DATE	02/27/26
PLOT SCALE	
DRAWN	FBM
CHECKED	EJG
REVIEWED	
REVISION	ISSUED FOR BID

AV COVER SHEET

DRAWING NO.
AV0-0
1 OF 13

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1 AV MOUNTING DETAIL
CEILING MOUNTED PROJECTOR
NTS

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SOUTH HALF
PROJECTOR MOUNTING DETAILS

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1600 NORTH HOWARD STREET, SPOKANE WA.

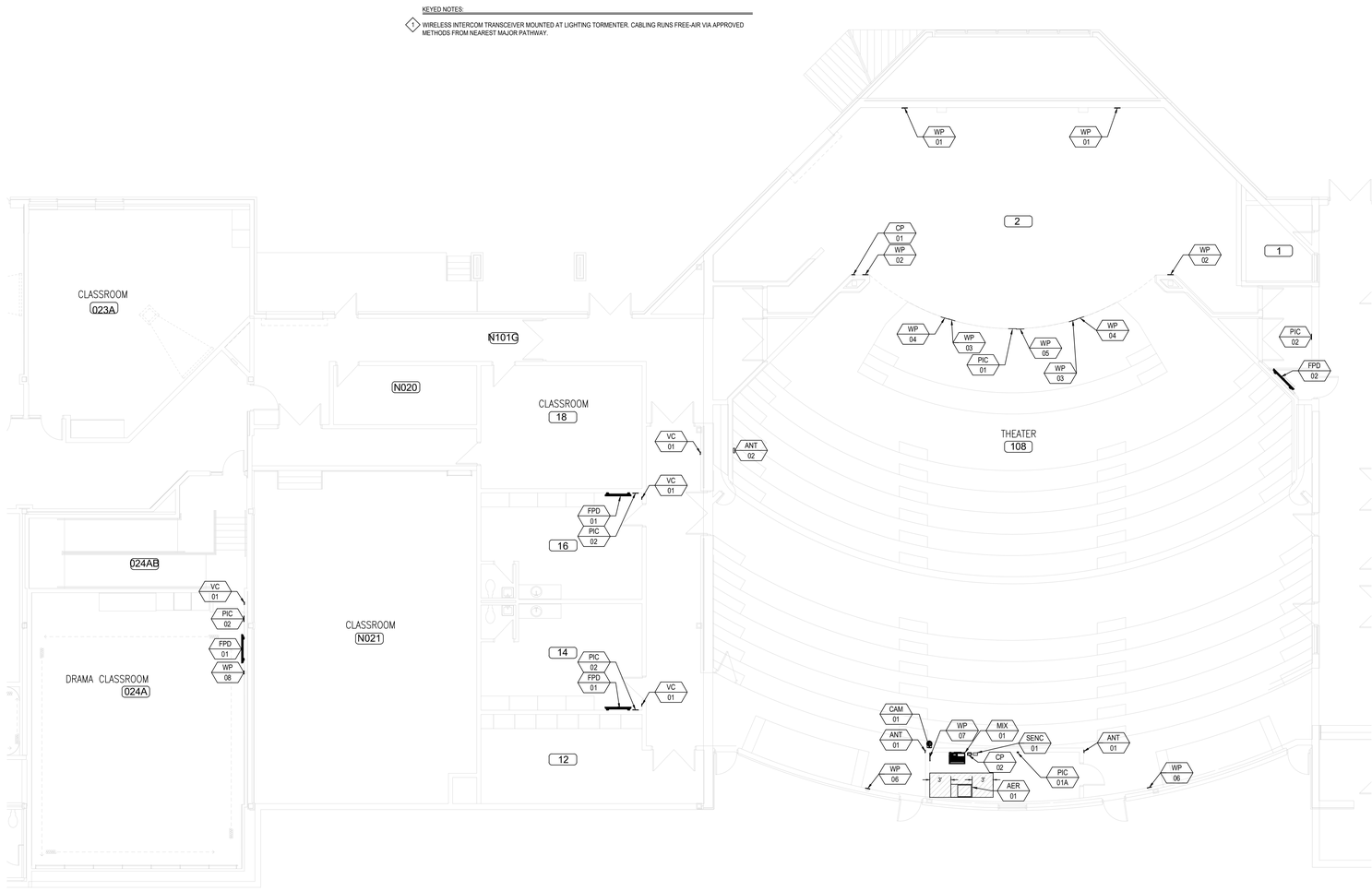
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PROJECTOR
MOUNTING DETAILS

DRAWING NO.
AV0-1
2 OF 13

KEYED NOTES:

1. WIRELESS INTERCOM TRANSCEIVER MOUNTED AT LIGHTING TORMENTER. CABLING RUNS FREE-AIR VIA APPROVED METHODS FROM NEAREST MAJOR PATHWAY.



1 AV SYSTEMS
GROUND FLOOR PLAN
SCALE: 1/8" = 1'

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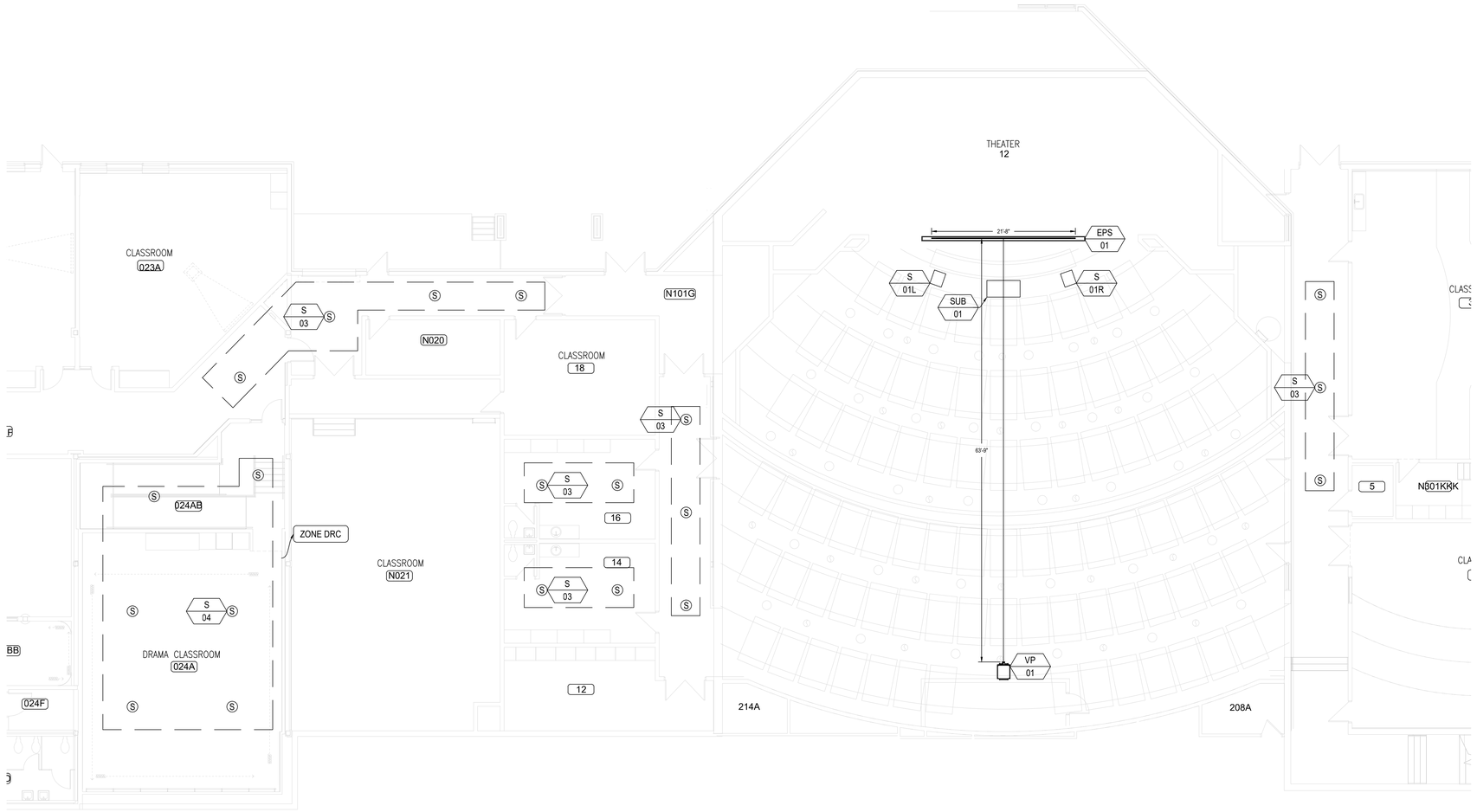
AV SYSTEMS
GROUND LEVEL FLOOR PLAN
NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

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AV SYSTEMS
GROUND LEVEL
FLOOR PLAN

DRAWING NO.
AV1-B
3 OF 13

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1 AV SYSTEMS
GROUND FLOOR RCP
SCALE: 1/8" = 1'

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AV SYSTEMS
GROUND LEVEL RCP

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1600 NORTH HOWARD STREET, SPOKANE WA.

PROJ. NO.	310
DATE	02/27/26
PLOT SCALE	
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AV SYSTEMS
GROUND LEVEL
FLOOR RCP

DRAWING NO.
AV2-B
4 OF 13

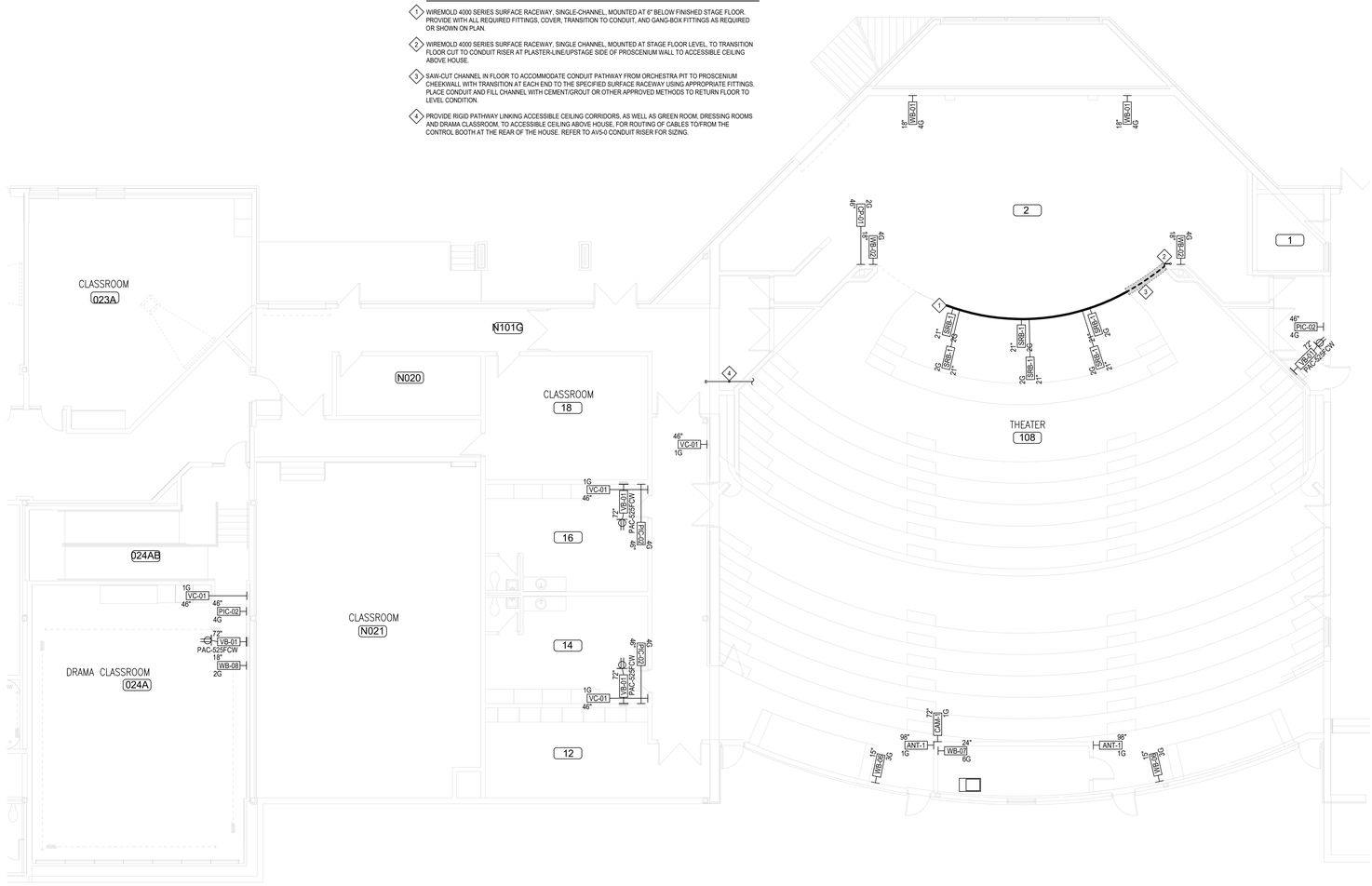
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GENERAL NOTES:

A. HEIGHTS ABOVE FLOOR AS NOTED REFER TO FLOOR AT DEVICE LOCATION.

KEYED NOTES:

1. WIREMOLD 4000 SERIES SURFACE RACEWAY, SINGLE-CHANNEL, MOUNTED AT 6" BELOW FINISHED STAGE FLOOR. PROVIDE WITH ALL REQUIRED FITTINGS, COVER, TRANSITION TO CONDUIT, AND GANG-BOX FITTINGS AS REQUIRED OR SHOWN ON PLAN.
2. WIREMOLD 4000 SERIES SURFACE RACEWAY, SINGLE CHANNEL, MOUNTED AT STAGE FLOOR LEVEL, TO TRANSITION FLOOR CUT TO CONDUIT RISER AT PLASTER-LINE/UPSTAGE SIDE OF PROSCENIUM WALL TO ACCESSIBLE CEILING ABOVE HOUSE.
3. SAW-CUT CHANNEL IN FLOOR TO ACCOMMODATE CONDUIT PATHWAY FROM ORCHESTRA PIT TO PROSCENIUM CHEEKWALL WITH TRANSITION AT EACH END TO THE SPECIFIED SURFACE RACEWAY USING APPROPRIATE FITTINGS. PLACE CONDUIT AND FILL CHANNEL WITH CEMENT/GROUT OR OTHER APPROVED METHODS TO RETURN FLOOR TO LEVEL CONDITION.
4. PROVIDE RIGID PATHWAY LINKING ACCESSIBLE CEILING CORRIDORS, AS WELL AS GREEN ROOM, DRESSING ROOMS AND DRAMA CLASSROOM, TO ACCESSIBLE CEILING ABOVE HOUSE, FOR ROUTING OF CABLES TO/FROM THE CONTROL BOOTH AT THE REAR OF THE HOUSE. REFER TO AV5-0 CONDUIT RISER FOR SIZING.



1 AV INFRASTRUCTURE GROUND FLOOR PLAN
SCALE: 1/8" = 1'

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AV INFRASTRUCTURE GROUND LEVEL FLOOR PLAN

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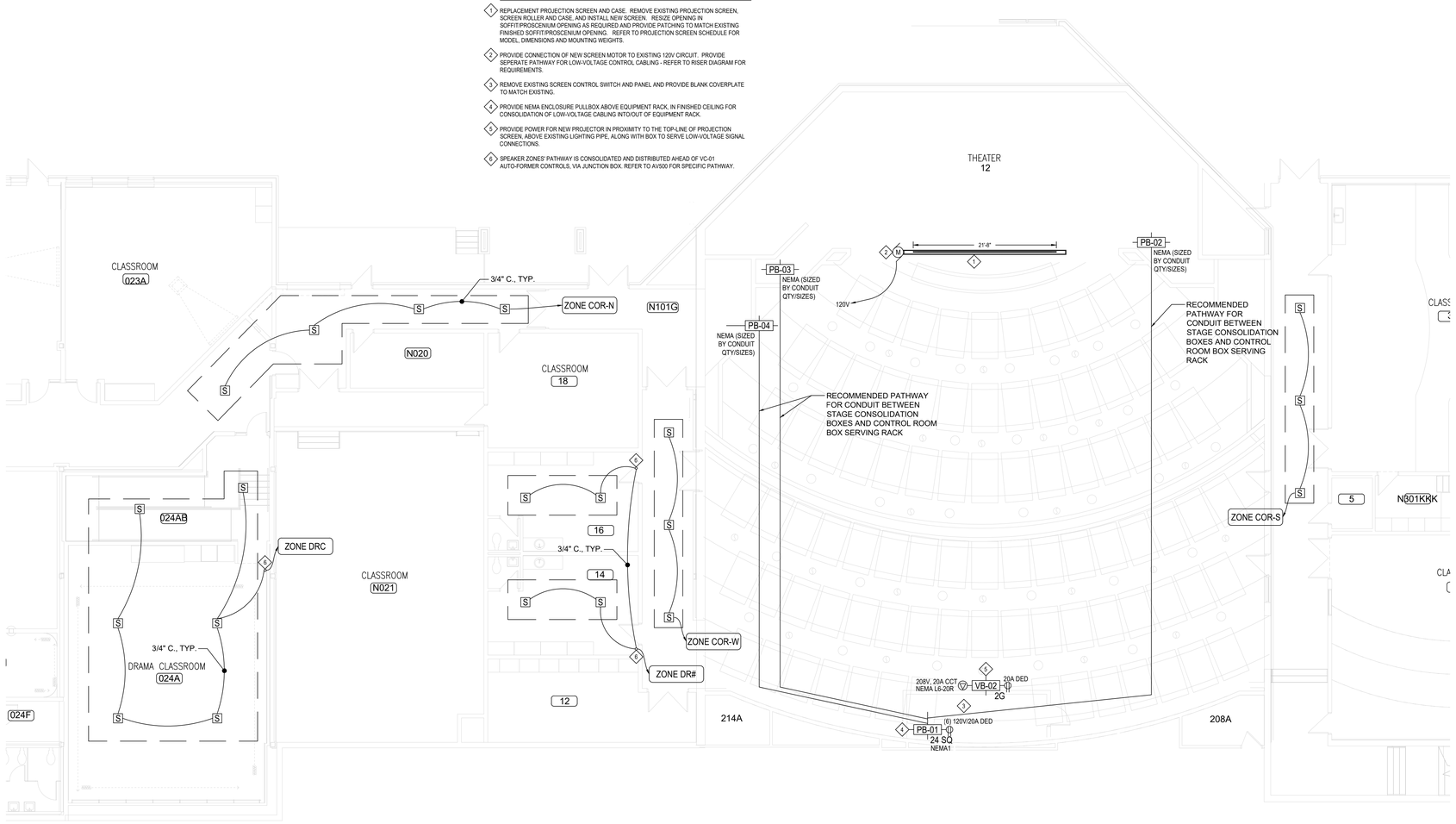
PROJ. NO.	310
DATE	02/27/26
PLOT SCALE	
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REVIEWED	
REVISION	ISSUED FOR BID

AV INFRASTRUCTURE
GROUND LEVEL
FLOOR PLAN

DRAWING NO.
AV3-B
5 OF 13

KEYED NOTES:

1. REPLACEMENT PROJECTION SCREEN AND CASE. REMOVE EXISTING PROJECTION SCREEN, SCREEN ROLLER AND CASE, AND INSTALL NEW SCREEN. RESIZE OPENING IN SOFFIT/PROSCENIUM OPENING AS REQUIRED AND PROVIDE PATCHING TO MATCH EXISTING FINISHED SOFFIT/PROSCENIUM OPENING. REFER TO PROJECTION SCREEN SCHEDULE FOR MODEL, DIMENSIONS AND MOUNTING WEIGHTS.
2. PROVIDE CONNECTION OF NEW SCREEN MOTOR TO EXISTING 120V CIRCUIT. PROVIDE SEPERATE PATHWAY FOR LOW-VOLTAGE CONTROL CABLING - REFER TO RISER DIAGRAM FOR REQUIREMENTS.
3. REMOVE EXISTING SCREEN CONTROL SWITCH AND PANEL AND PROVIDE BLANK COVERPLATE TO MATCH EXISTING.
4. PROVIDE NEMA ENCLOSURE PULLBOX ABOVE EQUIPMENT RACK. IN FINISHED CEILING FOR CONSOLIDATION OF LOW-VOLTAGE CABLING INTO/OUT OF EQUIPMENT RACK.
5. PROVIDE POWER FOR NEW PROJECTOR IN PROXIMITY TO THE TOP-LINE OF PROJECTION SCREEN, ABOVE EXISTING LIGHTING PIPE, ALONG WITH BOX TO SERVE LOW-VOLTAGE SIGNAL CONNECTIONS.
6. SPEAKER ZONES' PATHWAY IS CONSOLIDATED AND DISTRIBUTED AHEAD OF VC-01 AUTO-FORMER CONTROLS, VIA JUNCTION BOX. REFER TO AV500 FOR SPECIFIC PATHWAY.



1 AV INFRASTRUCTURE GROUND FLOOR RCP
SCALE: 1/8" = 1'

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AV INFRASTRUCTURE GROUND LEVEL RCP

NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

PROJ. NO.	310
DATE	02/27/26
PLOT SCALE	
DRAWN	FBM
CHECKED	EJG
REVIEWED	
REVISION	ISSUED FOR BID

AV INFRASTRUCTURE GROUND LEVEL FLOOR RCP

DRAWING NO.
AV4-B

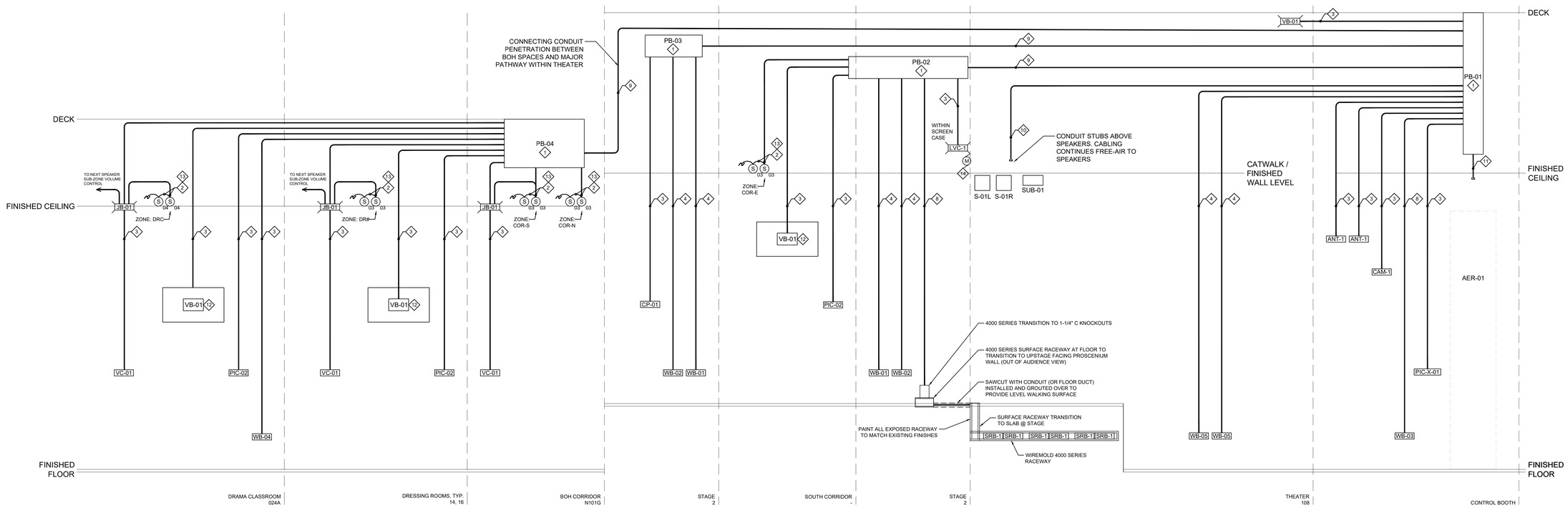
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GENERAL NOTES:

1. REFER TO AUDIOVISUAL BOX AND DEVICE SCHEDULE FOR AV EQUIPMENT DESIGNATIONS AND INFORMATION.
2. ALL BOX HEIGHTS ARE TO HORIZONTAL CENTERLINE OF BOX ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.
3. ALL UN-NOTED CONDUIT IS TO BE 3/4" MINIMUM TRADE SIZE.
4. REFER TO AV AND ELECTRICAL PLANS FOR POWER AND DATA REQUIREMENTS FOR SPECIALTY BOXES/ENCLOSURES AND ADJACENT CONVENIENCE OUTLETS. RACEWAY SHOWN HERE IS FOR AV ONLY AND DOES NOT INCLUDE POWER/DATA RACEWAY.

RISER NOTES:

1. SIZED APPROPRIATELY BY ELECTRICAL CONTRACTOR FOR CONDUIT QUANTITY AND ENTRY POINTS.
2. (1) 3/4" C
3. (1) 1" C
4. (2) 1" C
5. (2) 1-1/4" C & (1) 1" C
6. (3) 2" C
7. (1) 1-1/4" C
8. (2) 1-1/4" C
9. (1) 2" C & (1) 1-1/4" C
10. (1) 2-1/2" C
11. (3) 3" C
12. DEVICE MOUNTED IN SPECIALTY RECESSED BACKBOX, REFER TO PLANS AND BOX AND DEVICE SCHEDULE ON AV SCHEDULES SHEET. COORDINATE INSTALLATION OF POWER AND DATA BOXES WITHIN. REFER TO DETAILS FOR BOX CONFIGURATION.
13. QUANTITY OF DEVICES PER PLANS. REFER TO RCP DRAWINGS FOR QUANTITY OF SPEAKERS (OR MICROPHONES) PER ZONE.
14. HARD-WIRED 120V POWER TO BE PROVIDED AND INSTALLED BY THE EC. LOW-VOLTAGE CONTROL WIRING BY AVC..
15. STUB TO NEAREST ACCESSIBLE CEILING SPACE OR CABLE-TRAY FOR PULLING OF CAT6/IT CABLING FOR AV-OVER-IP APPLICATIONS



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SOUTH HALF
AV CONDUIT RISER

NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

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AV CONDUIT RISER

DRAWING NO.

AV5-0

7 OF 13

AUDIOVISUAL EQUIPMENT SCHEDULE			
NUMBER	LOCATION/MOUNTING	EQUIPMENT TYPE	NOTES
AER-01	FLOOR, STANDING	FULL-HEIGHT (40 RU) AV EQUIPMENT RACK. LOCATED IN TECH BOOTH TO SERVE AS HEADEND FOR THE AUDITORIUM	
ANT-01	WALL, SURFACE	WIRELESS MICROPHONE ANTENNA. LOG-PERIODIC, MOUNTED TO TECH BOOTH WALL.	
ANT-02	LIGHTING TORMENTER, ATTACHED	WIRELESS PRODUCTION INTERCOM TRANSCEIVER, MOUNTED TO LIGHTING TORMENTER IN HOUSE.	
CAM-01	WALL, SURFACE	4K60 AV-OVER-IP NETWORKED PTZ CAMERA	
CP-01	WALL, SURFACE	7" AV CONTROL TOUCHPANEL AT STAGE MANAGER'S POSITION AT DOWNSTAGE WING-WALL.	
CP-02	DESKTOP, SURFACE	7" AV CONTROL TOUCHPANEL, DESKTOP VERSION	
FPD-01	WALL, SURFACE	55" WALL MOUNTED FLAT PANEL DISPLAY FOR SITUATIONAL AWARENESS	
FPD-02	WALL, SURFACE	50" WALL MOUNTED FLAT PANEL DISPLAY FOR SITUATIONAL AWARENESS	
MIX-01	DESKTOP, SURFACE	FRONT OF HOUSE DIGITAL MIXING CONSOLE. DANTE NETWORKED 48 CHANNEL/25 FADER, SMALL FORMAT MIXER.	
PIC-01	WIREMOLD 4000-SERIES RACEWAY, INTEGRATED	WIRED PRODUCTION INTERCOM CHANNEL A & B CONNECTIONS	
PIC-01A	WALL, SURFACE	WIRED PRODUCTION INTERCOM CHANNEL A & B CONNECTIONS	LOCATED WITHIN EXISTING BOX WITHIN TECH BOOTH
PIC-02	WALL, SURFACE	WIRED PRODUCTION INTERCOM WALL PLATE CHANNEL A & B CONNECTIONS	
S-01L, S-01R	CEILING, SUSPENDED	FULL RANGE HOUSE PROGRAM LOUDSPEAKERS. IN LR STEREO CONFIGURATION. ACTIVE DIRECTIVITY CONTROL	
S-03	CEILING, RECESSED	6.5" RECESSED CEILING SPEAKER. 70V DISTRIBUTED ACCORDING TO ZONES ON PLANS. TAPPED AT 15W	
S-04	CEILING, SUSPENDED	6.5" SUSPENDED PENDANT CEILING SPEAKER. DISTRIBUTED ACCORDING TO ZONES ON PLANS. TAPPED AT 15/30W.	
SUB-01	CEILING, SUSPENDED	DUAL 18" SUBWOOFER, HIGH-POWER.	
SENC-01	DESKTOP, SURFACE	BROADCAST STREAMING ENCODER. LOCATED AT TECH BOOTH DESK	
VC-01	WALL, SURFACE	WALL MOUNTED VOLUME ENCODER. ANALOG AUTO-TRANSFORMER	
VP-01	CEILING, SUSPENDED	24K LUMEN 1-CHIP DLP PROJECTOR. WUXGA RESOLUTION.	
WP-01	WALL, SURFACE	CUSTOM 4-GANG AV CONNECTION PANEL FOR: ETHERCON (AV-OVER-IP) AND WIRED INTERCOM AT UPSTAGE WALL.	
WP-02	WALL, SURFACE	CUSTOM 4-GANG AV CONNECTION PANEL FOR: AV-OVER-IP AND WIRED INTERCOM AT DOWNSTAGE WING-WALL.	
WP-03	WIREMOLD 4000-SERIES RACEWAY, INTEGRATED	CUSTOM 2-GANG AV CONNECTION PANEL FOR: DANTE ANALOG I/O	
WP-04	WIREMOLD 4000-SERIES RACEWAY, INTEGRATED	CUSTOM 2-GANG AV CONNECTION PANEL FOR: ETHERCON (AV-OVER-IP)	
WP-05	WIREMOLD 4000-SERIES RACEWAY, INTEGRATED	CUSTOM 2-GANG AV CONNECTION PANEL FOR: DTP3 TRANSMITTER (HDMI, USB-C)	
WP-06	WALL, SURFACE	CUSTOM 3-GANG AV CONNECTION PANEL FOR: DANTE ANALOG I/O, ETHERCON (AV-OVER-IP), PRODUCTION INTERCOM	
WP-07	WALL, SURFACE	CUSTOM 6-GANG AV CONNECTION PANEL FOR: DTP3 TRANSMITTER (HDMI, USB-C), ETHERCON (AV-OVER-IP), PRODUCTION INTERCOM, SDI & HDMI CONNECTIONS	
WP-08	WALL, SURFACE	CUSTOM 2-GANG AV CONNECTION PANEL FOR: ETHERCON (AV-OVER-IP)	

GENERAL NOTES:

1) ALL TAG ITEM NUMBERS WITH THE SUFFIX "-F" ARE DESIGNATED FUTURE AND PROVIDED WITH INFRASTRUCTURE ONLY, DAY-ONE.

INFRASTRUCTURE BOX SCHEDULE					
NUMBER	LOCATION/MOUNTING	EQUIPMENT TYPE	BOX & COVER PLATE PROVIDED BY	CONN. PLATE PROVIDED BY	NOTES
ANT-1	WALL, RECESSED	1 GANG DEEP WALL BOX	EC	AVC	BOX TO SERVE WIRELESS MIC ANTENNA
CAM-1	WALL, RECESSED	1 GANG DEEP WALL BOX	EC	AVC	BOX TO SERVE HOUSE PTZ CAMERA
CP-01	WALL, RECESSED	2 GANG DEEP WALL BOX	EC	AVC	FOR AUDITORIUM AV CONTROL TOUCH PANEL
PB-01	CEILING, SURFACE	NEMA 24"X24"X4"	EC	AVC	CONSOLIDATION BOX ABOVE RACK TO COLLECT ALL AV PATHWAY FOR HEADEND
PIC-02	WALL, RECESSED	4 GANG DEEP WALL BOX	EC	AVC	4-GANG BOX TO SUPPORT PRODUCTION INTERCOM SPEAKER/MIC BOX
SRB-1	SURFACE-RACEWAY, INTEGRATED	2 GANG SURFACE-RACEWAY BOX	EC	AVC	INCLUDE WIREMOLD 4000 SERIES 2-GANG FACEPLATE X4047XX
VB-01	WALL, FLUSH	CHIEF PAC-525FCW	EC	AVC	PROVIDE BOX COMPLETE WITH FLANGE & COVER, IN WHITE, TO MATCH. SUFFIX '-FCW'
VB-02	CEILING, SURFACE	2 GANG DEEP BOX	EC	AVC	BOX TO SUPPORT PROJECTOR CONNECTIONS BY AVC
VC-01	WALL, FLUSH	CHIEF PAC-525FCW	EC	AVC	PROVIDE BOX COMPLETE WITH FLANGE & COVER, IN WHITE, TO MATCH. SUFFIX '-FCW'
WB-01	WALL, FLUSH	4 GANG DEEP WALL BOX	EC	AVC	FOR CUSTOM 4-GANG PANEL CONNECTIONS BY AVC
WB-02	WALL, FLUSH	4 GANG DEEP WALL BOX	EC	AVC	FOR CUSTOM 4-GANG PANEL CONNECTIONS BY AVC
WB-06	WALL, FLUSH	3 GANG DEEP WALL BOX	EC	AVC	FOR CUSTOM 3-GANG PANEL CONNECTIONS BY AVC
WB-07	WALL, FLUSH	6 GANG DEEP WALL BOX	EC	AVC	FOR CUSTOM 6-GANG PANEL CONNECTIONS BY AVC
WB-08	WALL, FLUSH	2 GANG DEEP WALL BOX	EC	AVC	FOR CUSTOM 2-GANG PANEL CONNECTIONS BY AVC

GENERAL NOTES:

1) ALL TAG ITEM NUMBERS WITH THE SUFFIX "-F" ARE DESIGNATED FUTURE AND PROVIDED WITH INFRASTRUCTURE ONLY, DAY-ONE.

ELECTRIC FRONT PROJECTION SCREEN SCHEDULE											
TYPE	MANUFACTURER	MODEL	SCREEN FABRIC	SCREEN SIZE	EXTRA BLACK DROP	MOUNTING	CASE DIMENSIONS	POWER REQUIREMENTS	LOW VOLTAGE CONTROL MODEL #	WEIGHT	NOTES
EPS-01	DRAPER	PARAGON V	XT1300X	146"H x 260"W	12" [STD]	CEILING, SUSPENDED	13.3"H x 12"D x 284"L	120V, 2.4A, 3W, 1φ	LVC-IV	495lbs	TAB-TENSIONSED, WITH 1.3 GAIN SURFACE (WHITE) PART # 114614TH

GENERAL NOTES:

A) SCREEN SHALL BE TENSIONED AND SEAMLESS, WITHOUT PERFORATIONS SCREEN SHALL HAVE BLACK BACKING IN ORDER TO BLOCK AMBIENT LIGHT. SCREEN SHALL BE PROVIDED AND INSTALLED BY THE G.C., WITH 120V POWER AND WIRING BY THE E.C.

B) REFER TO RESPECTIVE ARCHITECTURAL PLAN FOR LOCATION OF SCREEN.

C) SEE SPECIFICATIONS FOR ADDITION INFORMATIONAL CASE SIZE AND LOCATION TO BE VERTIFIED IN FIELD AND COORDINATED WITH ARCHITECTUR SOFFIT FRAMING AND OTHER TRADES.

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NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

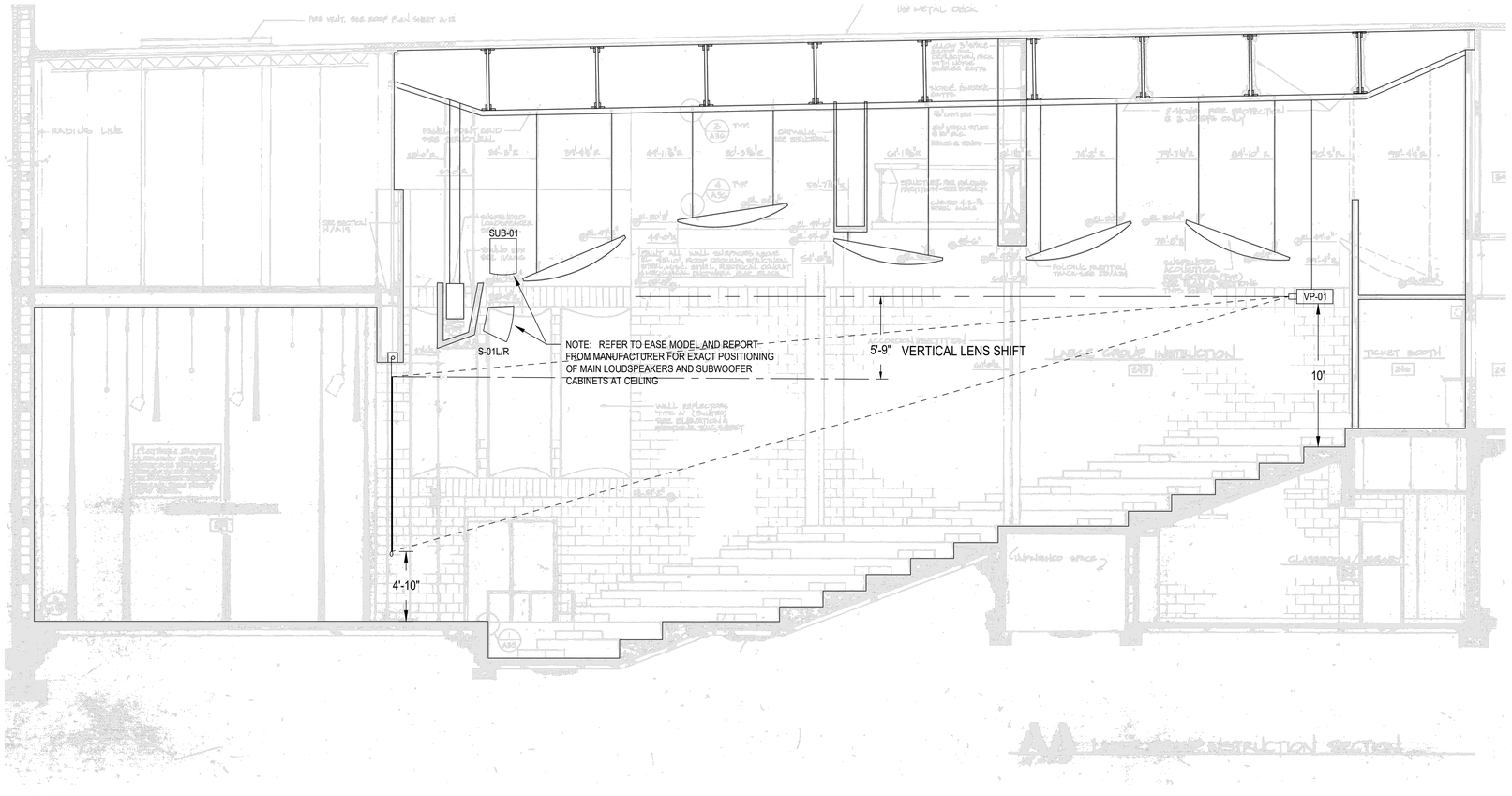
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AV SCHEDULES

DRAWING NO.

AV6-0

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1 AV SECTION
AUDITORIUM - EAST/WEST SECTION
1/4" - 1'-0"

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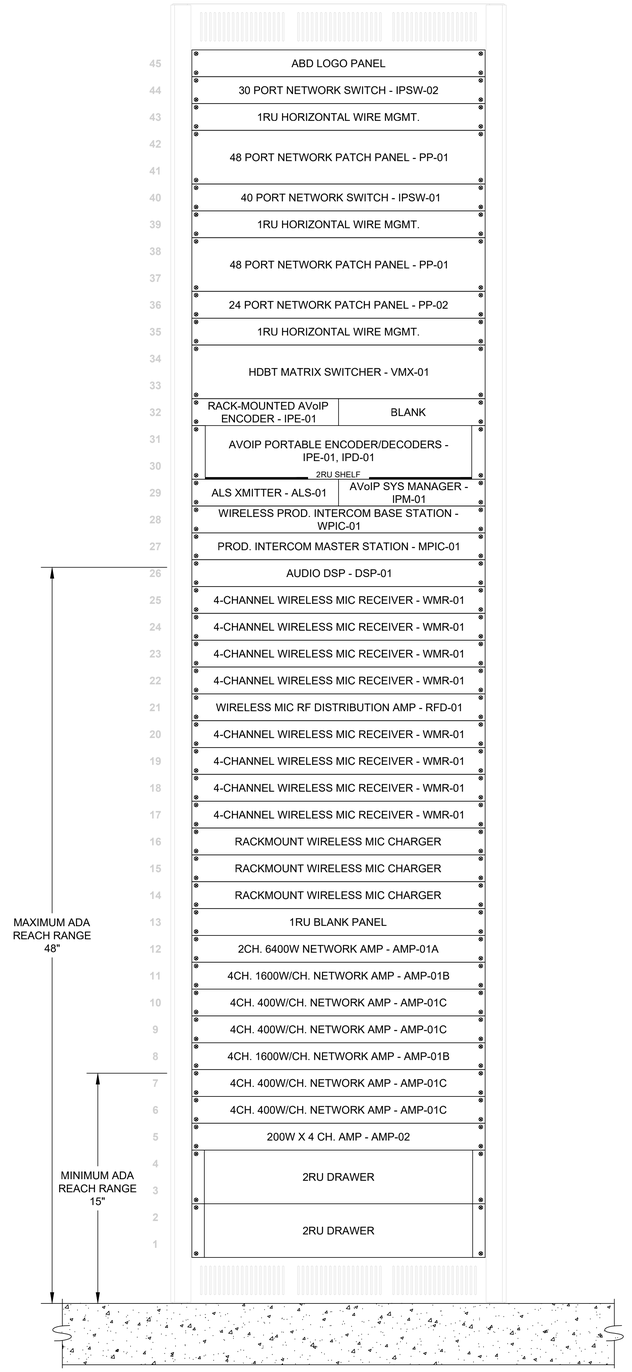
SOUTH HALF
AV SECTIONS & ELEVATIONS
NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

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AV SECTIONS & ELEVATIONS

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AV7-0
9 OF 13

AER-01



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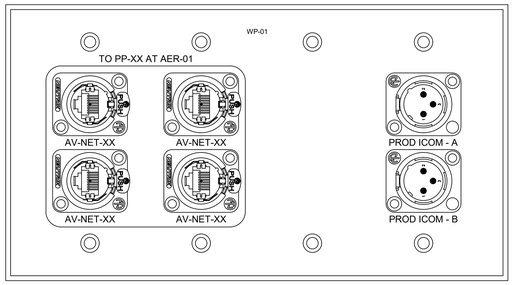
SOUTH HALF AV DETAILS

NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

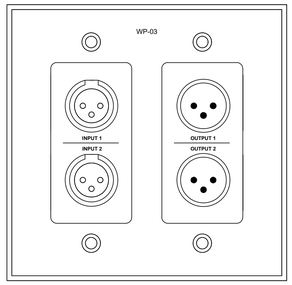
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AV DETAILS

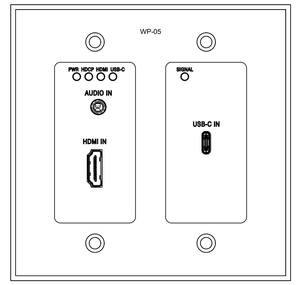
DRAWING NO.
AV8-0
10 OF 13



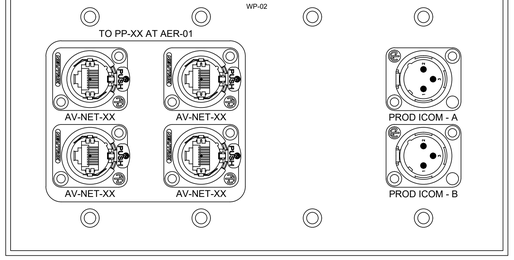
1 AV WALL PLATE DETAIL
WP-01
NTS



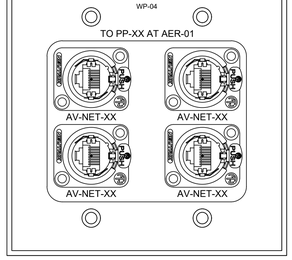
3 AV WALL PLATE DETAIL
WP-03
NTS



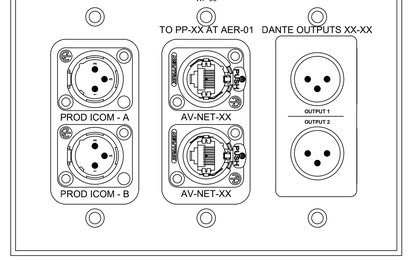
5 AV WALL PLATE DETAIL
WP-05
NTS



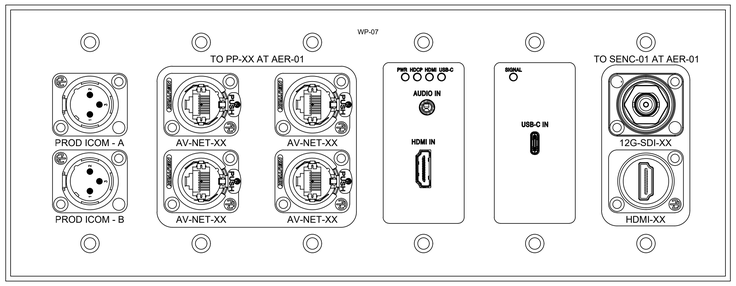
2 AV WALL PLATE DETAIL
WP-02
NTS



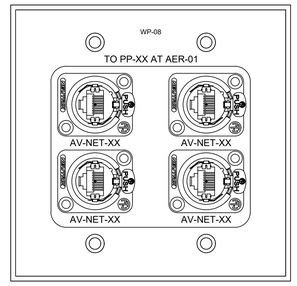
4 AV WALL PLATE DETAIL
WP-04
NTS



6 AV WALL PLATE DETAIL
WP-06
NTS



7 AV WALL PLATE DETAIL
WP-07
NTS



8 AV WALL PLATE DETAIL
WP-08
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SOUTH HALF
AV DETAILS

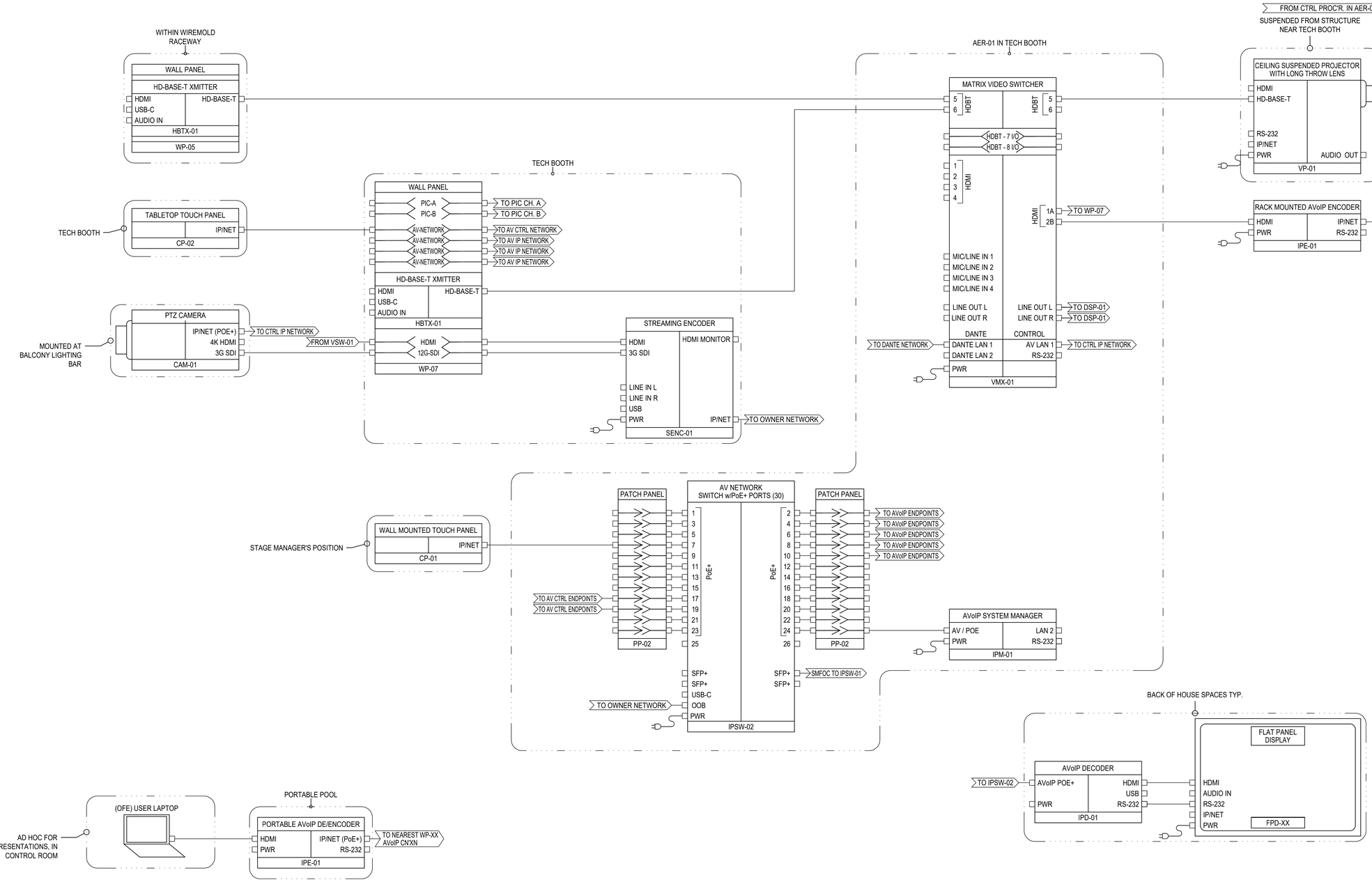
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AV DETAILS

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AV8-1
11 OF 13

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SOUTH HALF
AV SCHEMATICS VIDEO SYSTEMS
NORTH CENTRAL HIGH SCHOOL
1600 NORTH HOWARD STREET, SPOKANE WA.

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AV SCHEMATICS
VIDEO SYSTEMS

DRAWING NO.
AV9-0
12 OF 13

MOUNTED AT REAR WALL OF AUDITORIUM 'ANT-01' BOXES

RF-A

RF-B

RF DISTRIBUTION AMP

PWR
RF-A
RF-B

RFD-01

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

WIRELESS MIC RECEIVER

PWR
RF-A
RF-B
CASCADE-A
CASCADE-B
LINE OUT 1
...
LINE OUT 4
DANTE-A
DANTE-B

WMR-01

TO DANTE NETWORK

PATCH PANEL

TO/FROM AV NET ENDPOINTS
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39

PP-01

PATCH PANEL

TO/FROM AV NET ENDPOINTS
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40

PP-01

DANTE NETWORK SWITCH w/PoE+ PORTS (40)

PoE+

SFP+
SFP+
SFP+
SFP+
USB-C
OOB
PWR

IPSW-01

SMFOC TO IPSW-02

PATCH PANEL

TO/FROM AV NET ENDPOINTS

PP-01

PATCH PANEL

TO/FROM AV NET ENDPOINTS

PP-01

TO OWNER NETWORK

DSP

FROM VSW-01
FROM VSW-01
MIC / LINE IN
MIC / LINE OUT
TO AMP-02
TO AMP-02
TO AMP-02
TO AMP-02
GPIO
TO LVC-01
TO FLS MUTE
1
TO CTRL IP NETWORK
IP/NET
IP/NET DANTE CARD
IP/NET
PWR
RS-232
USB

DSP-01

ALS

LINE IN 1
LINE IN 2
PWR
IP/NET
USB

ALS-01

TO OWNER'S GUEST/ STUDENT NETWORK

4 x 400W/CH. AMPLIFIER

LINE IN
Ω/70V
TO DANTE NETWORK
IP/NET
PWR

AMP-01C

HF DRIVERS

4 x 400W/CH. AMPLIFIER

AMP-01C

MF DRIVERS

4 x 1600W/CH. AMPLIFIER

AMP-01B

LF DRIVERS

S-01L

4 x 400W/CH. AMPLIFIER

AMP-01C

HF DRIVERS

4 x 400W/CH. AMPLIFIER

AMP-01C

MF DRIVERS

4 x 1600W/CH. AMPLIFIER

AMP-01B

LF DRIVERS

S-01R

2 x 3200W/CH. AMPLIFIER

AMP-01A

SUB-01 - DUAL 18" SUBWOOFER

AER-01 IN TECH BOOTH

4 CH. 200W/CH. AMPLIFIER

FROM DSP-01
LINE IN
Ω/70V
VC-01
S-04 - ZONE: DRC
QTY. PER PLANS
S-03 - ZONE: COR-S
S-03 - ZONE: COR-N
TO BOH SPACES CEILING SPKRS

AMP-02

PROD INTERCOM MASTER STA.

LOCAL HEADSET
LOCAL MIC
PWR
CH 'A'
CH 'B'

IN AER-01 @ CONTROL RM.

WIRELESS PROD. INT. BASE ST.

ANT. 'A'
ANT. 'B'
PWR
CH 'B'
CH 'A'

WPIC-01

FROM TRANSCEIVER MOUNTED AT LIGHTING TORMENTER (REFER TO PLANS)

PROD INTERCOM SPKR/MIC WALL PNL

CH 'A'/'B'

PIC-02

STAGE WING ROOM

DRESSING 14

DRESSING 16

DRAMA CLASSROOM 024A

PROD INTERCOM

CH 'A'
CH 'B'

PIC-01

STAGE APRON WIREMOLD RACEWAY

TECH BOOTH

FROM WP-01 PANEL INTERCOM CONNECTOR
FROM WP-01 PANEL INTERCOM CONNECTOR
FROM WP-01 PANEL INTERCOM CONNECTOR
FROM WP-01 PANEL INTERCOM CONNECTOR
FROM WP-02 PANEL INTERCOM CONNECTOR
FROM WP-02 PANEL INTERCOM CONNECTOR
FROM WP-02 PANEL INTERCOM CONNECTOR
FROM WP-02 PANEL INTERCOM CONNECTOR
FROM WP-06 PANEL INTERCOM CONNECTOR
FROM WP-06 PANEL INTERCOM CONNECTOR
FROM WP-06 PANEL INTERCOM CONNECTOR
FROM WP-06 PANEL INTERCOM CONNECTOR
FROM WP-07 PANEL INTERCOM CONNECTOR
FROM WP-07 PANEL INTERCOM CONNECTOR

(2) PORTABLE AT STAGE

DANTE STAGE BOX

MIC/LINE
LINE OUT

SB-01

DANTE IP I/O
IP/NET

TO NEAREST WP-XX AVoIP CN'XN

TECH BOOTH

MIXER

MIC/LINE
MON. OUT
LINE OUT
USB
S-Link
DANTE CARD
IP/NET
PWR

MIX-01

TO DANTE NETWORK

BACKSTAGE

WALL PANEL

PIC-A
PIC-B
TO PIC CH. A
TO PIC CH. B
AV-NETWORK
TO AV IP NETWORK

WP-01

WP-01

WP-02

WP-02

WITHIN WIREMOLD RACEWAY

WALL PANEL

DANTE WALL PANEL

MIC/LINE IN
LINE OUT
IP/NET
TO DANTE NETWORK

DWP-01

WP-03

WP-03

WALL PANEL

AV-NETWORK
TO AV IP NETWORK

WP-04

WP-04

AT HOUSE REAR WALL

VIDEOGRAPHY PANEL

PIC-A
PIC-B
TO PIC CH. A
TO PIC CH. B
AV-NETWORK
TO AV IP NETWORK

DANTE WALL PANEL

LINE OUT
IP/NET
TO DANTE NETWORK

DWP-02

WP-06

VIDEOGRAPHY PANEL

DANTE WALL PANEL

DWP-02

WP-06

DRAMA CLASSROOM

WALL PANEL

AV-NETWORK
TO AV IP NETWORK

WP-08

1 CONTACT CLOSURE TRIGGER FROM BUILDING FLS, TO BE PROVIDED BY DISTRICT ELECTRICIAN OR JOC. PROGRAM TO TRIGGER SYSTEM AUDIO MUTE.

BOH SPACES TYP.

FROM AMP-03

VC-01

S-03 - ZONE: COR-W

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1600 NORTH HOWARD STREET, SPOKANE WA.

PROJ. NO.	310
DATE	02/27/26
PLOT SCALE	
DRAWN	FBM
CHECKED	EJG
REVIEWED	
REVISION	ISSUED FOR BID

AV SCHEMATICS
AUDIO SYSTEMS

DRAWING NO.

AV9-1

13 OF 13

C:\ABD\ABD - Documents\Projects\SPS - NCHS - Auditorium - Acoustics-AV\03_ABD CAD\ABD-AV_NCHS-AUD - Non-plan Drawings.dwg, 2/26/2026 5:28:21 PM, _DWG To PDF.pc3