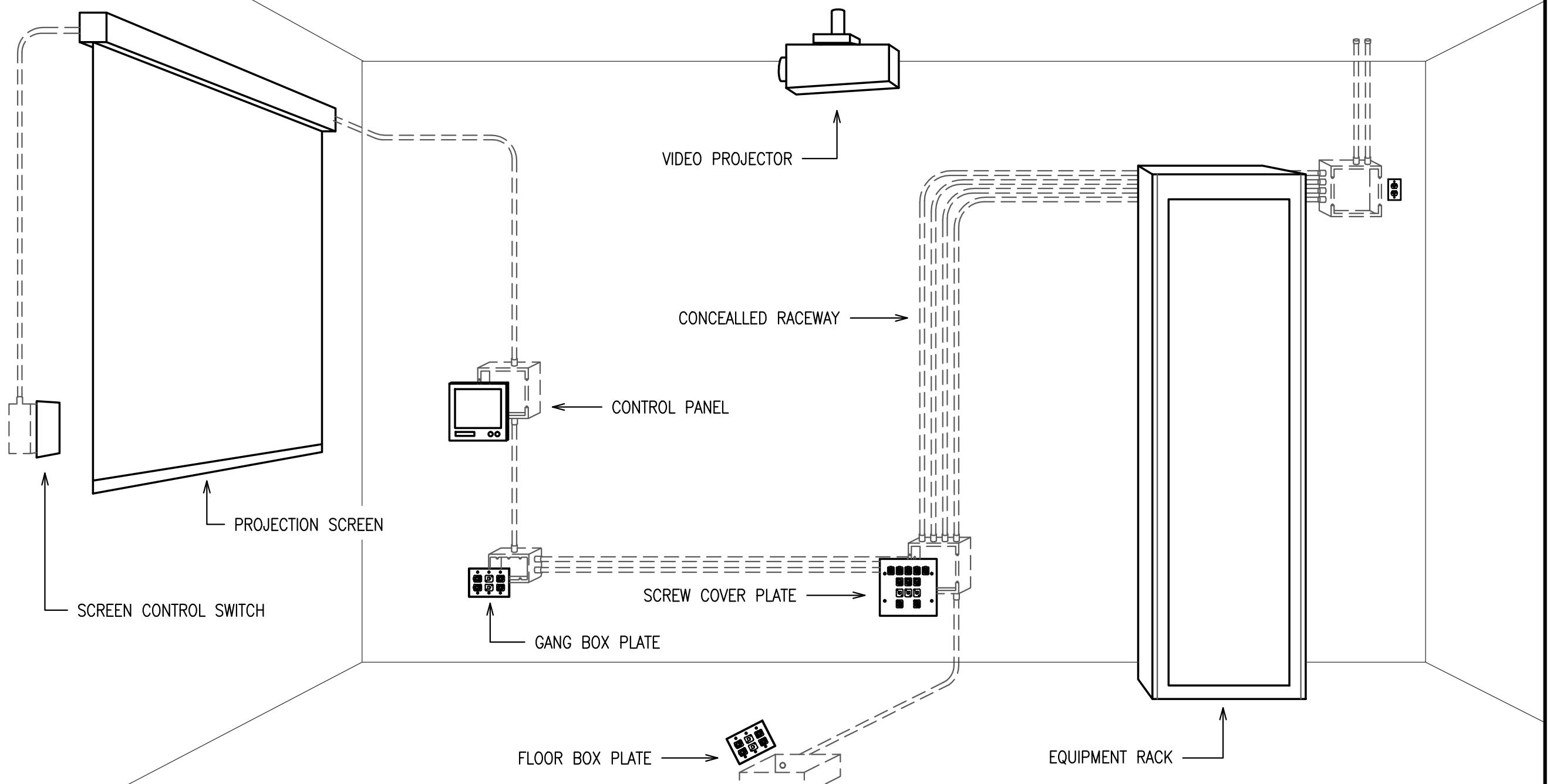
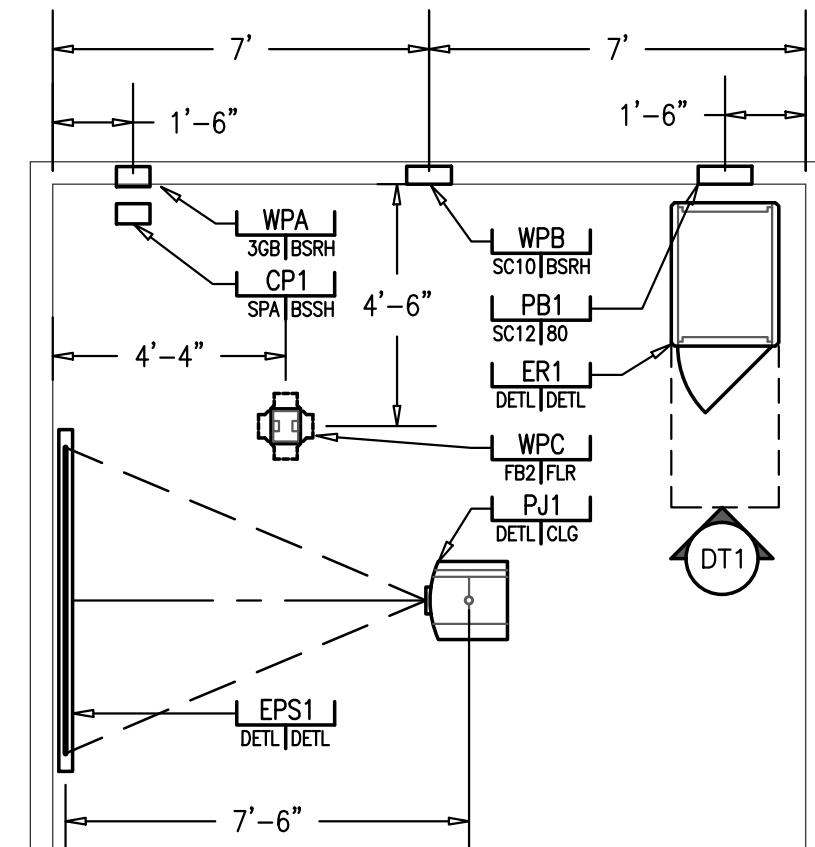


AUDIO VISUAL DRAWING LEGEND



AV SYSTEM COMPONENTS AS SEEN IN A VIRTUAL ROOM



AV SYSTEM AS SHOWN ON AV SYSTEM DRAWINGS

AV SYSTEM DRAWINGS NOTES

- EACH AUDIO VISUAL COMPONENT IS SHOWN (TO SCALE) ON THE FLOOR PLAN
- IF THE PLACEMENT OF THE COMPONENT IS CRITICAL, A DIMENSION WILL BE SHOWN. THE DIMENSIONS WILL TYPICALLY BE REFERENCE TO THE CENTERLINE OF THE ITEM
- EACH AV COMPONENT IS IDENTIFIED WITH A DEVICE TAG, REFER TO THE LEGEND BELOW FOR TAG INFORMATION
- A DETAIL SYMBOL (SHOWN AS DT1 IN THIS DRAWING) PROVIDES A REFERENCE TO A DETAIL DRAWING. THIS DETAIL DRAWING WILL PROVIDE FURTHER INFORMATION ABOUT THE PLACEMENT AND INSTALLATION METHODS
- CONNECTIVITY FOR THE COMPONENTS IS DESCRIBED IN THE SCHEMATIC DIAGRAMS PROVIDED LATER IN THE AUDIO VISUAL DRAWING SET

DEVICE TAG LEGEND

- AV DEVICE ID
- AV OUTLET ID, REFER TO AUDIO VISUAL ROUGH-IN SCHEDULE
- MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTERLINE OF OUTLET
- AV OUTLETS ARE TO BE COORDINATED WITH ELECTRICAL OUTLETS. THE FOLLOWING DESIGNATIONS ARE USED ON THE AV PLANS. EXACT OUTLET HEIGHT TO BE CONFIRMED WITH SITE CONDITIONS.
- THE ABBREVIATION BSRH IS USED TO REFERENCE BUILDING STANDARD RECEPTACLE HEIGHT.
- THE ABBREVIATION BSSH IS USED TO REFERENCE BUILDING STANDARD SWITCH HEIGHT

AV INFRASTRUCTURE DRAWINGS NOTES

- EACH AUDIO VISUAL COMPONENT IS SHOWN (TO SCALE) ON THE FLOOR PLAN
- RACEWAY IS SHOWN FROM EACH COMPONENT TO A DESTINATION
- AV SYSTEMS REQUIRE THAT CERTAIN SIGNALS BE ISOLATED FROM EACH OTHER, THUS, RACEWAY FOR EACH SIGNAL TYPE IS IDENTIFIED WITH A SQUARE LEADER TAG, REFER TO THE RACEWAY LEGEND FOR THE INTENDED PURPOSE FOR EACH CONDUIT
- A ROUND LEADER TAG IS USED TO CONVEY THE POWER AND HEAT LOAD REQUIREMENTS FOR THE AV SYSTEM. REFER TO THE AUDIO VISUAL POWER AND HEAT LOAD SCHEDULE FOR SPECIFIC LOAD INFORMATION, A SPECIFIC SCHEDULE IS PROVIDED FOR EACH SYSTEM
- A DIAMOND LEADER TAG IS USED TO IDENTIFY THE STRUCTURED CABLING DATA DROPS NEEDED TO SUPPORT THE AV SYSTEMS

AV SYSTEM INFRASTRUCTURE AS SHOWN ON AV INFRASTRUCTURE DRAWINGS

SPECIALTY AUDIO VISUAL SYSTEMS

Mckenzie County Public Schools

WATFORD CITY HIGH SCHOOL

AV SYSTEMS SHEET INDEX

NO	DESCRIPTION
AV001	TITLE SHEET AND SCHEDULES
AV002	INFRASTRUCTURE SCHEDULES AND DETAILS
AV003	AUDIO VISUAL SYSTEMS LEGEND
AV004	PROJECTION SCREEN DETAILS

AV101	AUDITORIUM - FIRST FLOOR PLAN - AV SYSTEMS
AV102	AUDITORIUM - SECOND AND THIRD FLOOR PLAN - AV SYSTEMS
AV103	AUDITORIUM - FIRST FLOOR PLAN - INFRASTRUCTURE
AV104	AUDITORIUM - SECOND AND THIRD FLOOR - INFRASTRUCTURE
AV105	AUDITORIUM - AUDIO INPUT AND DATA SCHEMATIC
AV106	AUDITORIUM - AUDIO SCHEMATIC
AV107	AUDITORIUM - VIDEO, INTERCOM AND CONTROL SCHEMATIC
AV108	AUDITORIUM - POWER DISTRIBUTION SCHEMATIC AND DETAILS
AV109	AUDITORIUM - FIRST AND SECOND FLOOR PLAN - AV SYSTEMS
AV201	GYMNASIUM - FIRST AND SECOND FLOOR PLAN - AV SYSTEMS
AV202	GYMNASIUM - FIRST AND SECOND FLOOR PLAN - INFRASTRUCTURE
AV203	GYMNASIUM - DETAILS AND SCHEDULES
AV204	GYMNASIUM - AUDIO SCHEMATIC DIAGRAM

AV301	GYM ROOMS - FIRST FLOOR PLAN - AV SYSTEMS
AV401	COMMONS - AV SYSTEMS AND INFRASTRUCTURE
AV402	COMMONS - AUDIO VIDEO SCHEMATIC DIAGRAM AND SCHEDULES

No. Description Date

AV SYSTEMS SCOPE OF WORK

SYSTEM / COMPONENT	ELECTRICAL CONTRACTOR PROVIDES	ELECTRICAL CONTRACTOR INSTALLS	ELECTRICAL CONTRACTOR TERMINATES	AV CONTRACTOR PROVIDES	AV CONTRACTOR INSTALLS	AV CONTRACTOR TERMINATES
RACEWAY SYSTEM INCLUDING PULL BOXES AND BASKET TRAY	X	X				
GANG BOXES	X	X				
GANG BOX COVER PLATES				X	X	X
SCREW COVER BOXES	X	X				
SCREW COVER BOX COVER PLATES				X	X	X
FLOOR BOXES, PANS AND FINISHED FLOOR ACCESS COVERS	X	X				
FLOOR BOX DEVICE PLATE FOR CONVENIENCE RECEPTACLES	X	X	X			
FLOOR BOX DEVICE PLATES FOR AV CONNECTIVITY				X	X	X
SPECIALTY DEVICE BACKBOXES		X		X		
SPECIALTY DEVICES				X	X	X
PROJECTION SCREEN			POWER	X	X	
PROJECTION SCREEN 120V WALL CONTROL		X	X			X
PROJECTION SCREEN LOW VOLTAGE CONTROL						

GENERAL NOTES

- AUDIO VISUAL SYSTEMS REQUIRE COORDINATION WITH MANY TRADES TO ACHIEVE A SUCCESSFUL INSTALLATION
- THESE LEGEND DRAWINGS ARE NON-PROJECT SPECIFIC AND PROVIDE AN EXPLANATION OF HOW THE AUDIO VISUAL DRAWINGS ARE DEVELOPED AND HOW WORK IS DESCRIBED FOR EACH TRADE
- GENERAL CONSTRUCTION ITEMS - THE AV CONSULTANT PROVIDES INFORMATION TO THE ARCHITECT FOR SPECIFIC ITEMS SUCH AS PROJECTION SCREENS, CASEWORK, AND BLOCKING. THESE ITEMS ARE INCORPORATED INTO THE ARCHITECTURAL DRAWINGS
- STRUCTURAL ITEMS - THE AV CONSULTANT PROVIDES INFORMATION TO THE STRUCTURAL ENGINEERS FOR COORDINATION OF AV ITEMS. STRUCTURAL RIGGING POINTS IS AN EXAMPLE. THIS INFORMATION SHALL APPEAR ON THE STRUCTURAL DRAWINGS
- MECHANICAL ITEMS - HEAT LOAD INFORMATION IS COORDINATED WITH THE MECHANICAL ENGINEER
- ELECTRICAL ITEMS - A GREAT DEAL OF AV INFRASTRUCTURE IS PROVIDED BY THE ELECTRICAL CONTRACTOR. A DEDICATED SET OF AV INFRASTRUCTURE DRAWINGS ARE PROVIDED TO CONVEY THIS INFORMATION. THESE DRAWINGS ARE DISCUSSED BELOW
- STRUCTURED CABLING ITEMS - AV SYSTEMS OFTEN REQUIRE COORDINATION WITH THE BUILDING NETWORK AND INTERNET CONNECTIVITY. THIS INFORMATION IS CONVEYED ON THE INFRASTRUCTURE DRAWINGS

CABLE LEGEND

CABLES		EXISTING CABLES
REFER TO SPECIFICATIONS FOR CABLE PROPERTIES AND CHARACTERISTICS		X EXISTING CABLE TO BE REUSED
ID	SIGNAL TYPE	CORDS
AUDIO SIGNALS		AUDIO CORDS
M	MICROPHONE LINE	MCX MICROPHONE CORD WITH X = LENGTH
L		LCX LINE CORD WITH X = LENGTH
		LSCX LINE STEREO CORD WITH X = LENGTH
ANTENNA SIGNALS		VIDEO CORDS
A50	ANTENNA 50 OHM	DVCX DIGITAL VIDEO CORD X = LENGTH
		AVCX ANALOG VIDEO CORD X = LENGTH
VIDEO SIGNALS		DATA PATCH CORDS
SC	SPECIALTY CABLE AS SPECIFIED	D5ECX UNSHELDED TWISTED PAIR CATEGORY 5E STRANDED
CM	COMPONENT VIDEO TYPE	D6ACX SHELDED TWISTED PAIR CATEGORY 6A STRANDED
AC	ANALOG COMPUTER DISPLAY VIDEO	
DVI	DIGITAL VIDEO INTERFACE COMPUTER DISPLAY	
HDMI	HIGH DENSITY MULTIMEDIA INTERFACE SIGNAL	
DP	DISPLAY PORT COMPUTER DISPLAY	
SDI	SERIAL DIGITAL INTERFACE TYPE	
HDSDI	HIGH DEF SERIAL DIGITAL INTERFACE	
SPEAKER SIGNALS		
SP12	SPEAKER 12 AWG	
SP14	SPEAKER 14 AWG	
SP16	SPEAKER 16 AWG	
SP18	SPEAKER 18 AWG	
DATA SIGNALS		
D5E	UNSHIELDED TWISTED PAIR CATEGORY 5E	
D6	SHEILED TWISTED PAIR CATEGORY 6	
V5E	SHEILED TWISTED PAIR FOR VIDEO TRANSPORT	
CONTROL SIGNALS		
IR	INFRARED TYPE	
RS	RS-232 TYPE	
C1	PROPRIETARY CONTROL PROTOCOL TYPE 1	
C2	PROPRIETARY CONTROL PROTOCOL TYPE 2	

AV SYSTEM INFRASTRUCTURE AS SHOWN ON AV INFRASTRUCTURE DRAWINGS

RACEWAY LEGEND

ID	SIGNAL TYPE	SIZE
A75	AUDIO	3/4"
A1	AUDIO	1"
A15	AUDIO	1-1/2"
A2	AUDIO	2"
A3	AUDIO	3"
A4	AUDIO	4"
A75	CONTROL	3/4"
A1	CONTROL	1"
A15	CONTROL	1-1/2"
A2	CONTROL	2"
A3	CONTROL	3"
A4	CONTROL	4"
D75	DATA	3/4"
D1	DATA	1"
D15	DATA	1-1/2"
D2	DATA	2"
D3	DATA	3"
D4	DATA	4"
S75	SPEAKER	3/4"
S1	SPEAKER	1"
S15	SPEAKER	1-1/2"
S2	SPEAKER	2"
S3	SPEAKER	3"
S4	SPEAKER	4"
V75	VIDEO	3/4"
V1	VIDEO	1"
V15	VIDEO	1-1/2"
V2	VIDEO	2"
V3	VIDEO	3"
V4	VIDEO	4"
I75	PROD IC	3/4"
X75	MISC	3/4"
X1	MISC	1"
X15	MISC	1-1/2"
X2	MISC	2"
X3	MISC	3"
X4	MISC	4"

AUDIO VISUAL ROUGH IN SCHEDULE

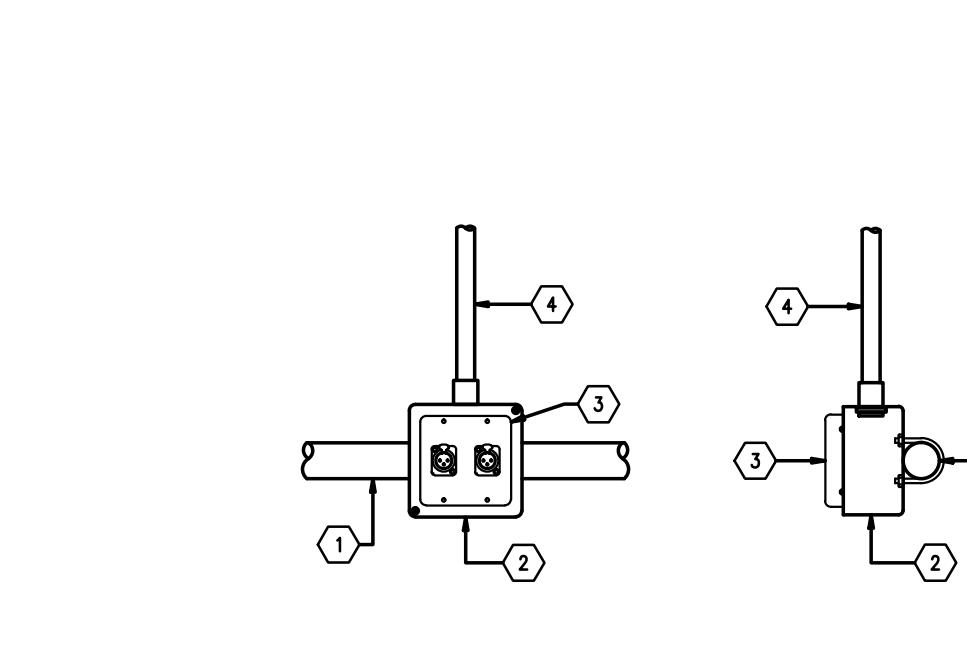
TAG	DESCRIPTION	MFGR	MASONRY WALL BOX		STUB WALL BOX		NOTES
			PART NO	DEPTH	BOX NO	DEPTH	
1GB	1 GANG JUNCTION BOX	RACO	695	3-1/2"	257	2-1/8"	843
2GB	2 GANG JUNCTION BOX	RACO	696	3-1/2"	941	2-1/2"	821
3GB	3 GANG JUNCTION BOX	RACO	697	3-1/2"	942	2-1/2"	822
4GB	4 GANG JUNCTION BOX	RACO	698	3-1/2"	943	2-1/2"	823
5GB	5 GANG JUNCTION BOX	RACO	699	3-1/2"	944	2-1/2"	824
6GB	6 GANG JUNCTION BOX	RACO	965	3-1/2"	945	2-1/2"	825
4SQ	4 SQUARE JUNCTION BOX	RACO	--	--	257	1-1/2"	840C
							2

TAG	DESCRIPTION	MFGR	PART NO	DIMENSIONS			NO OF SCREWS	NOTES
				H	W	D		
SC6	SCREW COVER NEMA TYPE 1 BOX	HOFFMAN	ASE8X6X4	6	6	4	2	3
SC8	SCREW COVER NEMA TYPE 1 BOX	HOFFMAN	ASE8X8X4	8	8	4	4	3
SC12	SCREW COVER NEMA TYPE 1 BOX	HOFFMAN	ASE12X12X4	12	12	4	4	3
SC18	SCREW COVER NEMA TYPE 1 BOX	HOFFMAN	ASE18X18X4	18	18	4	4	3
SC24	SCREW COVER NEMA TYPE 1 BOX	HOFFMAN	ASE24X24X4	24	24	4	4	3

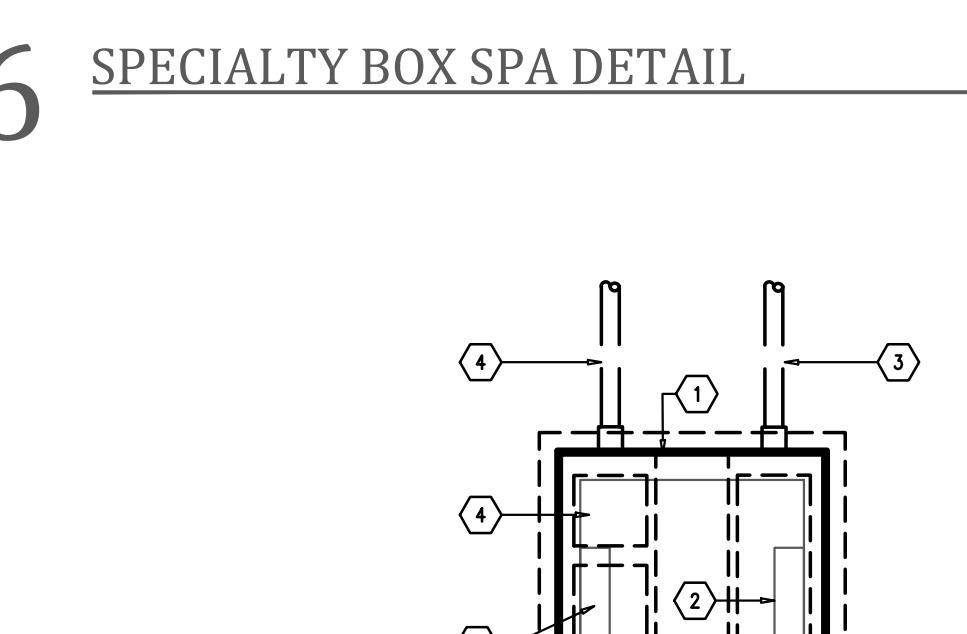
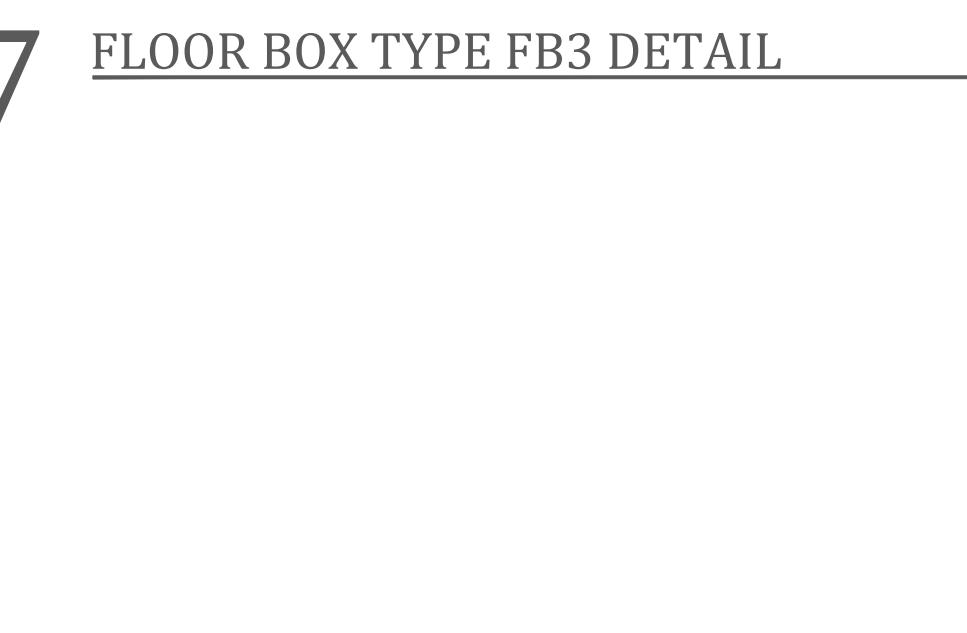
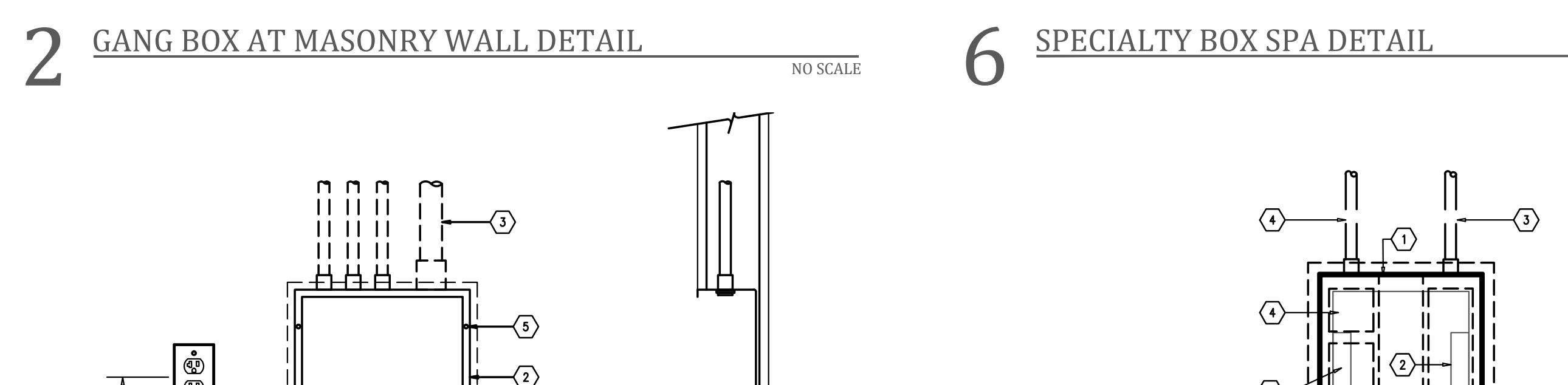
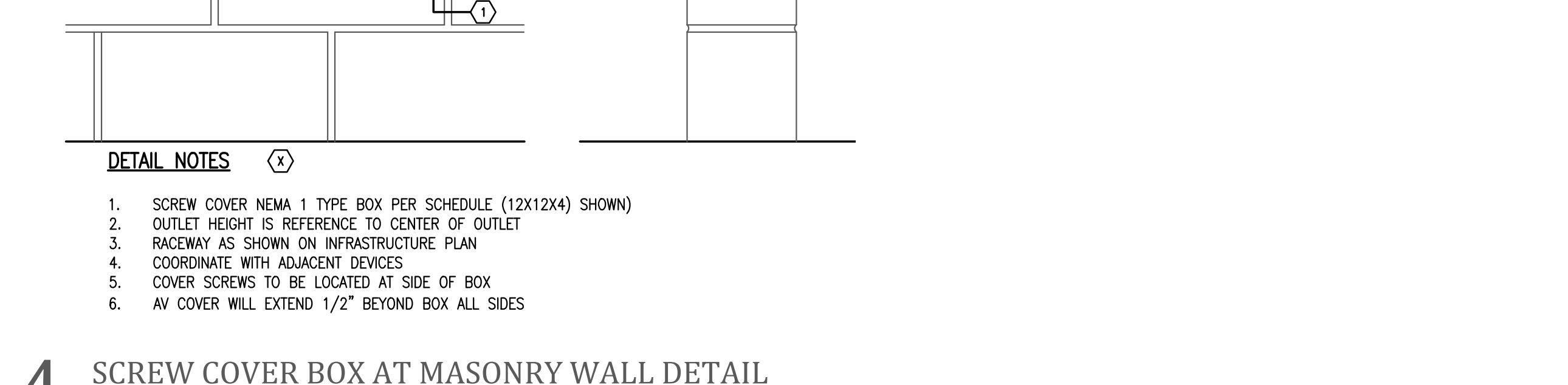
TAG	DESCRIPTION	MFGR	MODEL NO	BOX		COVERPLATE		NOTES
				NO OF DEVICES	DEVICE PLATE	CARPET FLOORS	WOOD FLOORS	
FB1	FLOOR BOX TYPE 1	WIREMOLD	RFB2	2	RFB2B	S38BBTC-XX	S39BBTC-XX	4
FB2	FLOOR BOX TYPE 2	WIREMOLD	RFB4	4	RFB-B	S38BBTC-XX	S39BBTC-XX	4
FB3	FLOOR BOX TYPE 3	WIREMOLD	RFB9	3-1 GANG 1-6 GANG	N/A	RFB119CTC-XX	RFB119BTC-XX	DETAIL 7
FB4	POKE THRU TYPE	BY EC	BY EC	--	--	--	--	--

TAG	DESCRIPTION	MFGR	MODEL NO	DIMENSIONS (INCHES)			USED WITH AV DEVICE NO.	NOTES
				H	W	D		
SPA	SPECIALTY BOX TYPE A	HUBBELL	NSAV62M NSAV6C	5.19	6.50	3.37	AS NOTED	DETAIL 6

- AV ROUGH IN SCHEDULE NOTES**
- CONFIRM MUG RING EXTENSION BASED ON WALL CONSTRUCTION
 - BOX AND COVER USED AT SPACES WHERE SHARP CORNERS ARE ACCESSIBLE, MUD RING PART NUMBER IS A BLANK COVER PROVIDED BY THE AV CONTRACTOR FOR INSTALLATION OF AV DEVICES AND ENGRAVING.
 - BOXES TO BE MOUNTED WITH COVER SCREWS LOCATED ON THE SIDE OF THE BOX
 - CONFIRM COVER FINISH WITH ARCHITECT

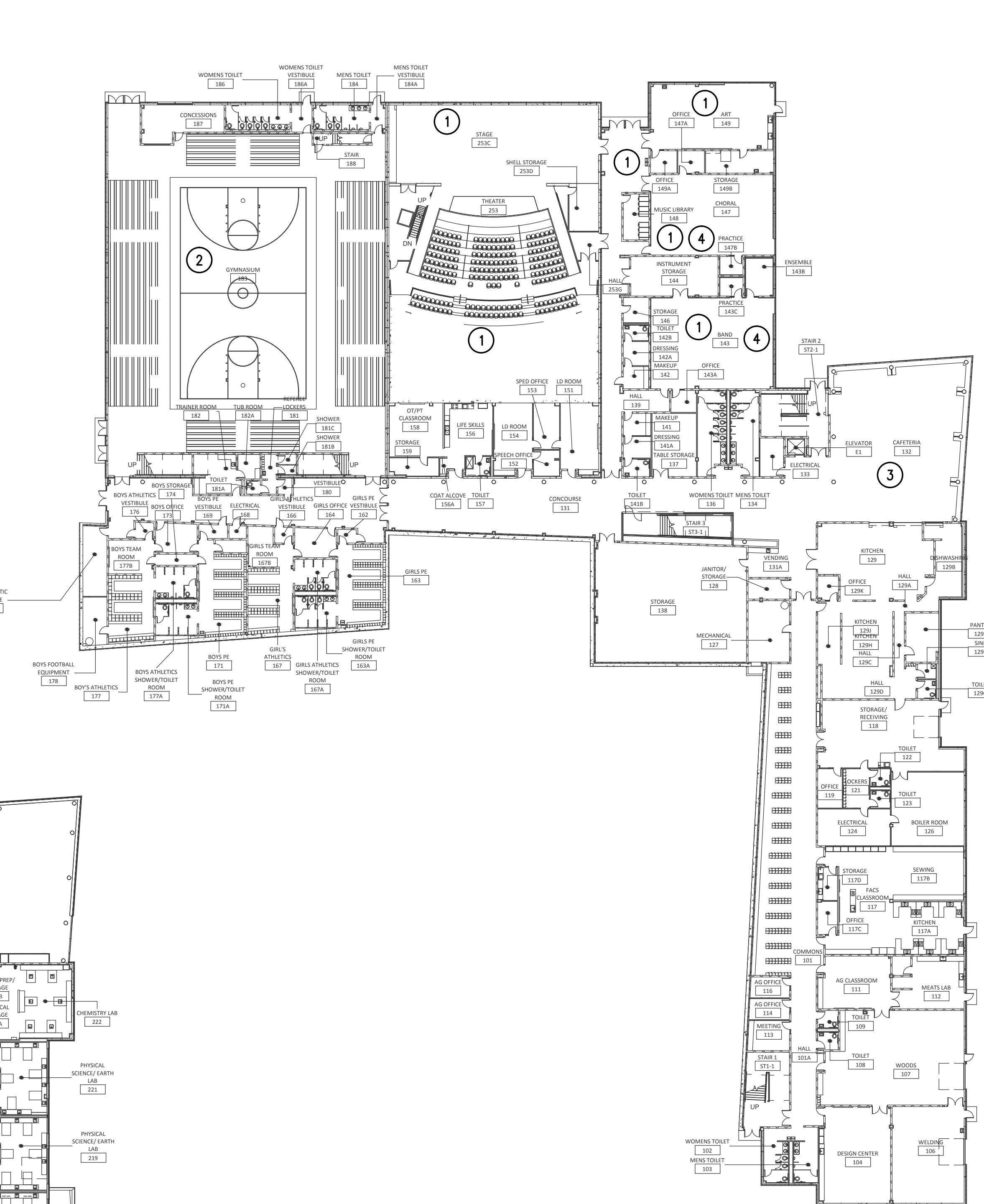
**DETAIL NOTES**

- GANG BOX OUTLET PER SCHEDULE (3 GANG SHOWN)
- OUTLET HEIGHT IS REFERENCE TO CENTER OF OUTLET
- RACEWAY AS SHOWN ON INFRASTRUCTURE PLAN
- COORDINATE WITH ADJACENT DEVICES
- MUD RING, CONFIRM EXTENSION TO MATCH SITE CONDITIONS

**NO SCALE****ELEVATION VIEW****NO SCALE****PLAN VIEW****NO SCALE****PLAN VIEW****NO SCALE****PLAN VIEW****NO SCALE****PLAN VIEW****NO SCALE****PLAN VIEW**



2 MAIN LEVEL - AUDIO VISUAL SYSTEMS



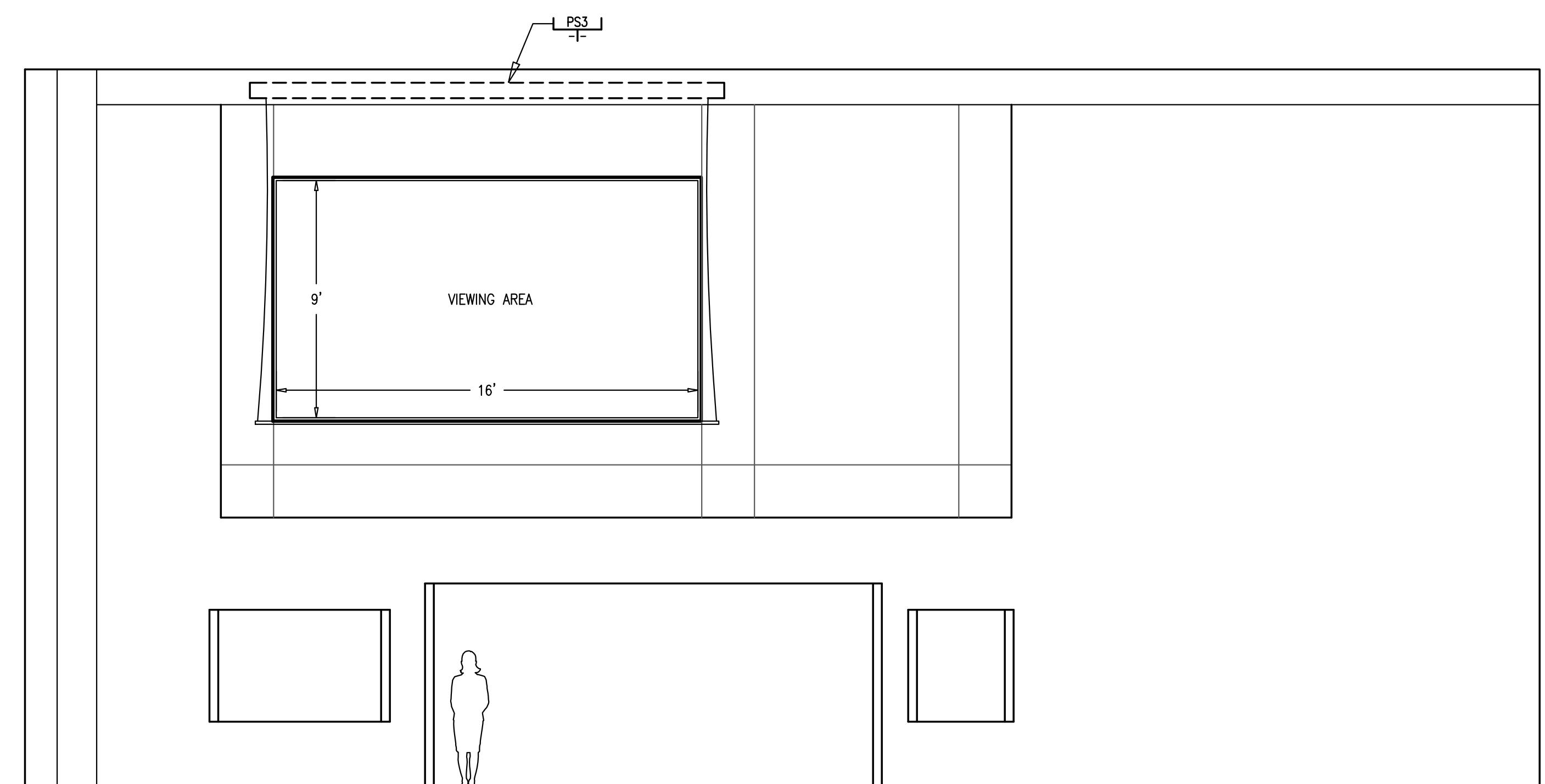
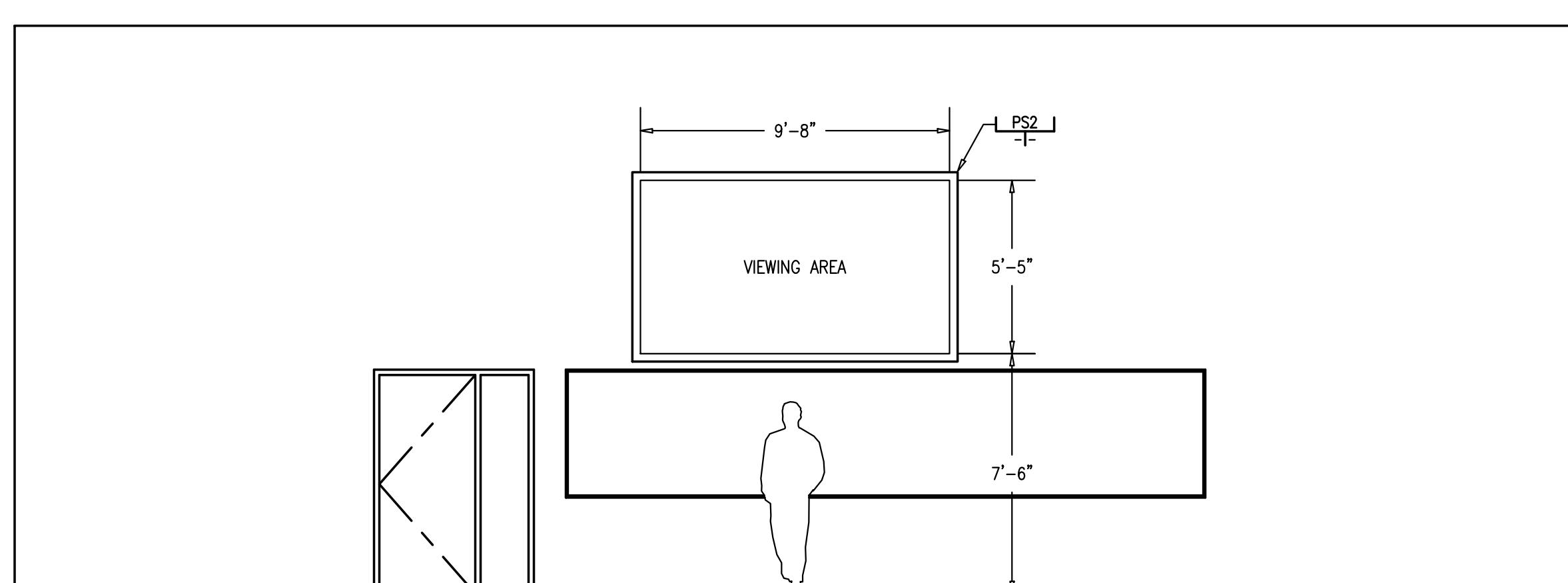
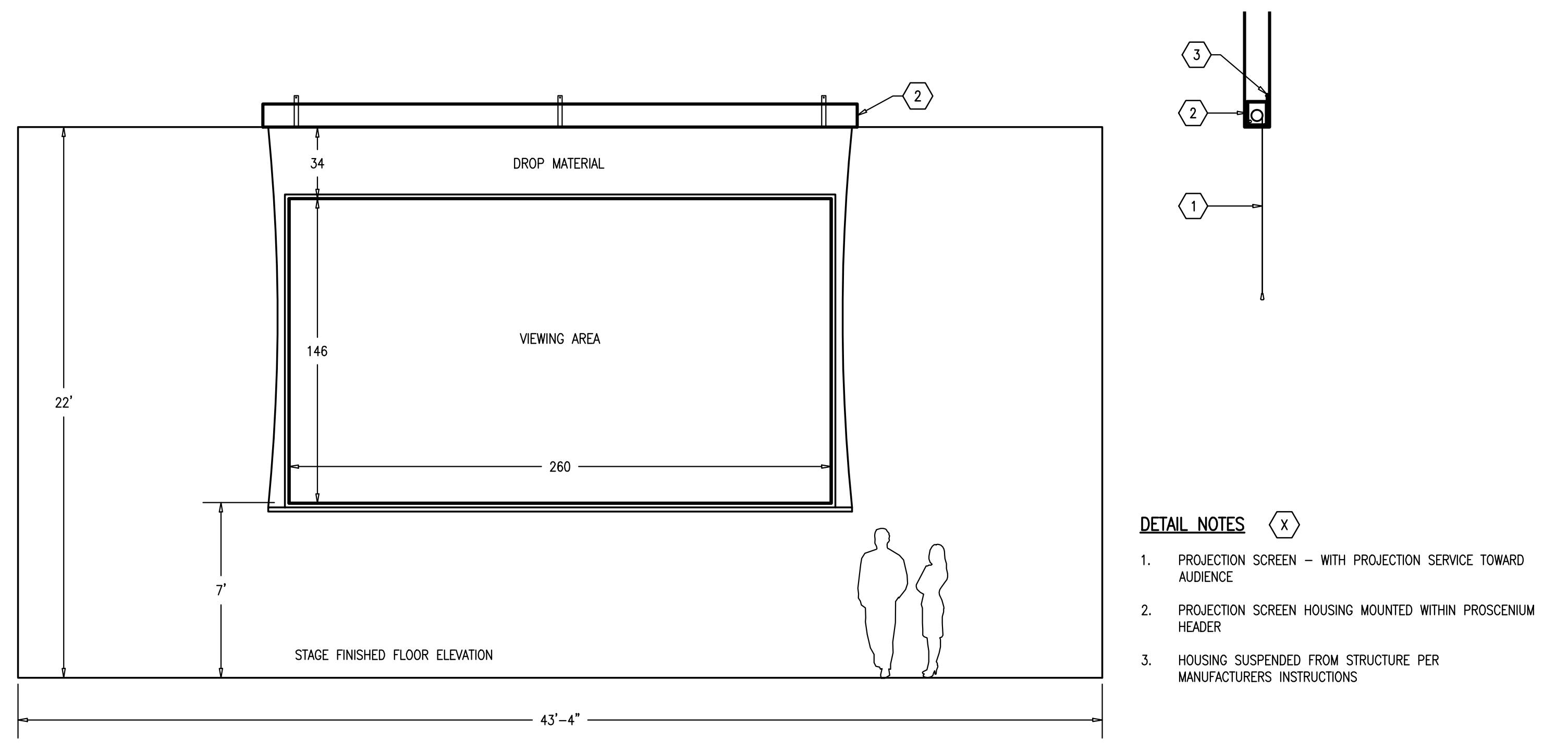
1 LOWER LEVEL - AUDIO VISUAL SYSTEMS

NO SCALE

AV SYSTEMS LEGEND

1. AUDITORIUM AND SUPPORT SPACES
2. GYMNASIUM
3. CAFETERIA
4. MUSIC ROOMS

PROJECTION SCREEN SCHEDULE - SCREENS PROVIDED BY OTHERS											
ID	LOCATION(S)	DESCRIPTION	MFR	SERIES/MODEL NO.	ASPECT RATIO	SCREEN AREA (IN.)	OVERALL CASE LENGTH	EXTRA DROP MATERIAL (IN.)	CASE FINISH	ACCESSORIES	
PS1	AUDITORIUM	CEILING RECESSED ELECTRIC SCREEN WITH TENSIONED VIEWING SURFACE	DALITE	TENSIONED PROFESSIONAL ELECTROL # 35277	16 X 9	146	260	289	72"	BLACK	LOW VOLTAGE CONTROL
PS2	MUSIC ROOMS	FIXED WALL SCREEN	DALITE	UTB CONTOUR # 23719	16 X 9	105	140	N/A	N/A	SILVER	--
PS3	COMMONS	TENSIONED WALL ELECTRIC SCREEN	DALITE	TENSIONED LARGE COMSMO ELECTROL # 99287	16 X 9	108	192	216	36"	SILVER	--

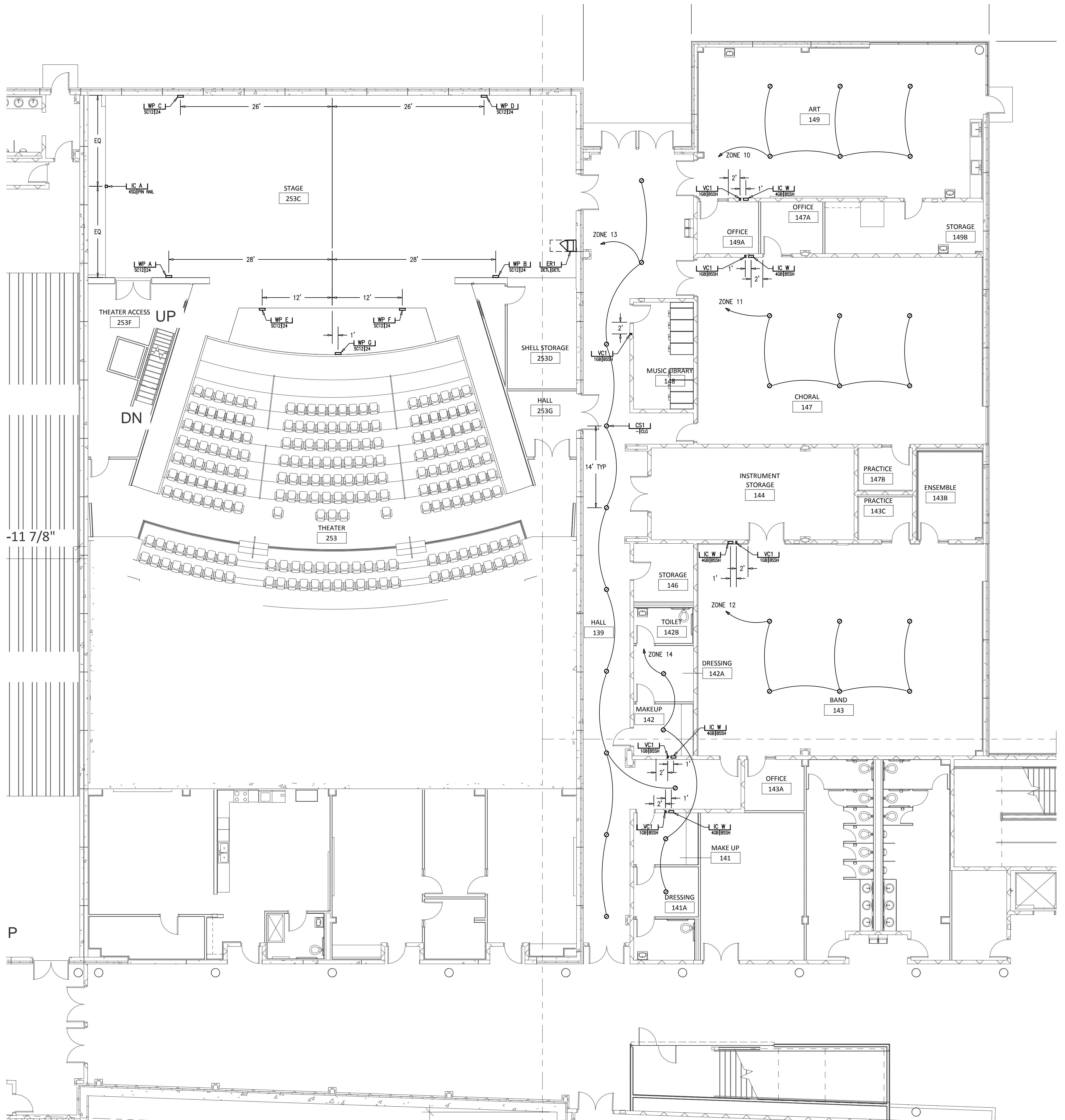


AV PLAN SYMBOLS

- AV DEVICE - IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK (WALL MOUNTED TYPE)
- → LOUDSPEAKER - IDENTIFIED WITH DEVICE TAG
- ROUGH IN/HIGH DEVICE TAG

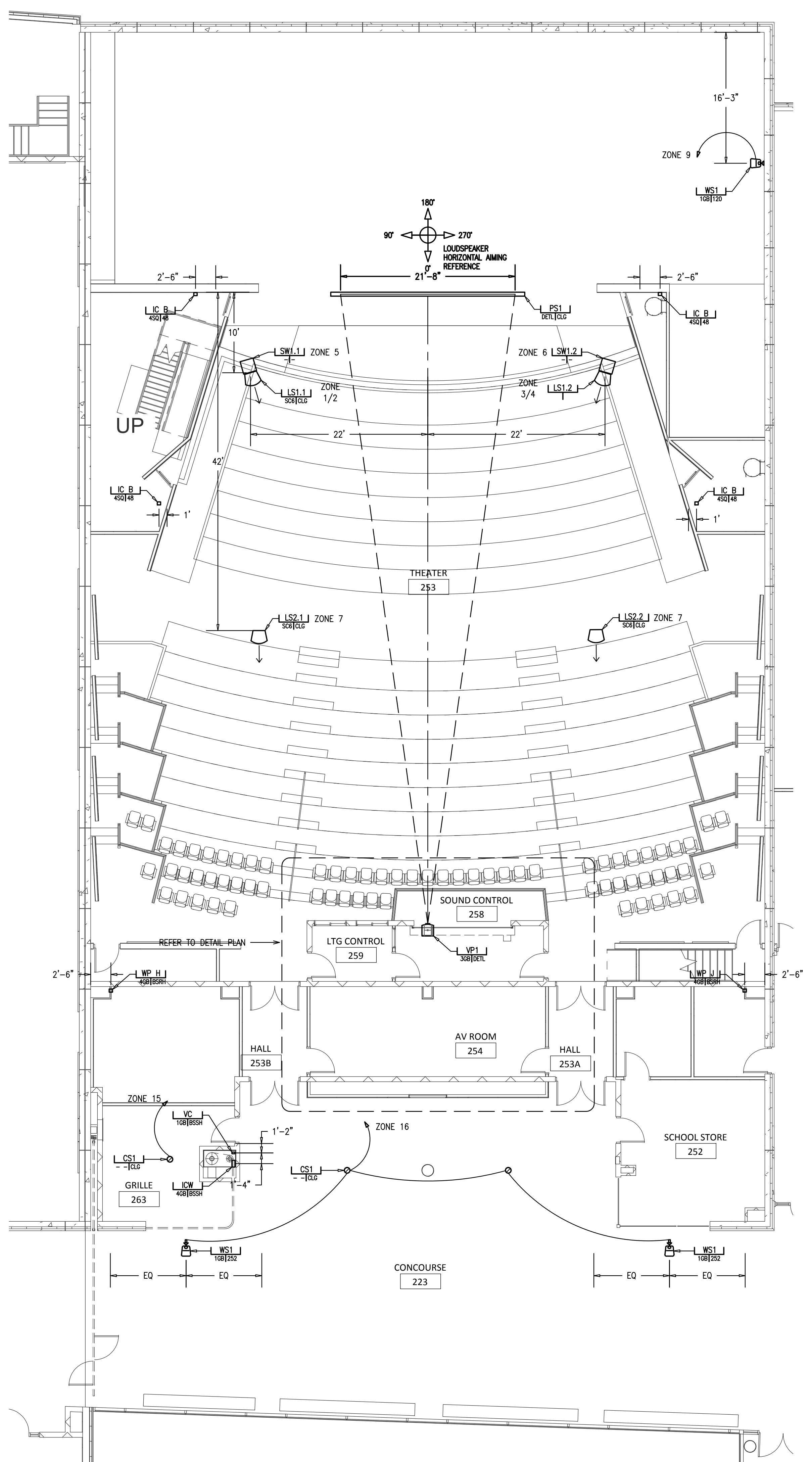
DEVICE AND EQUIPMENT LEGEND

- CP1 CONTROL PANEL
ER1 EQUIPMENT RACK
HAA HEARING ASSISTANCE ANTENNA
LS1 LOUDSPEAKER TYPE 1
LS2 LOUDSPEAKER TYPE 2
WPxxx WALL PLATE - REFER TO SCHEMATIC DIAGRAM
AND PLATE DETAILS



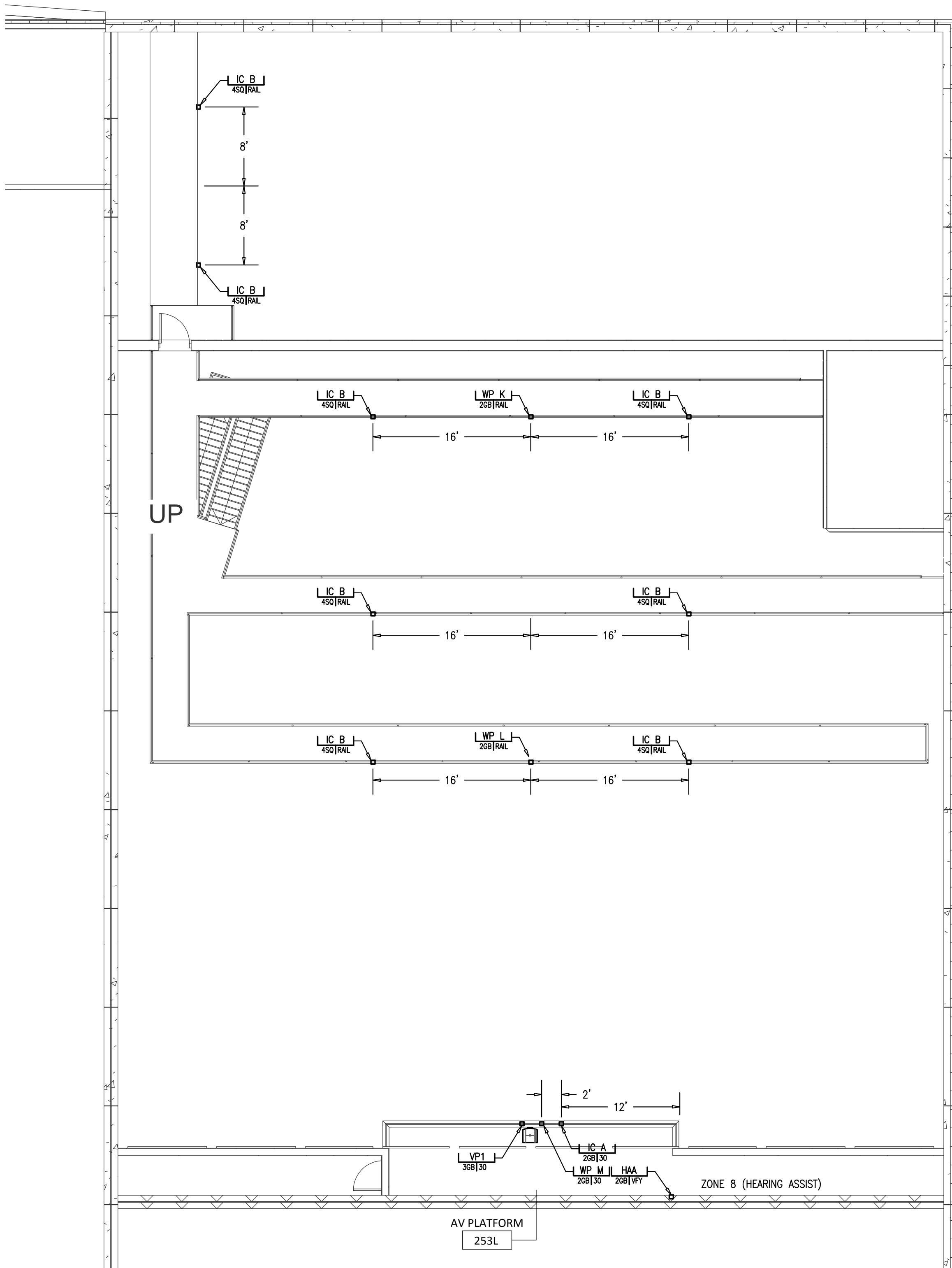
1 LOWER LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"



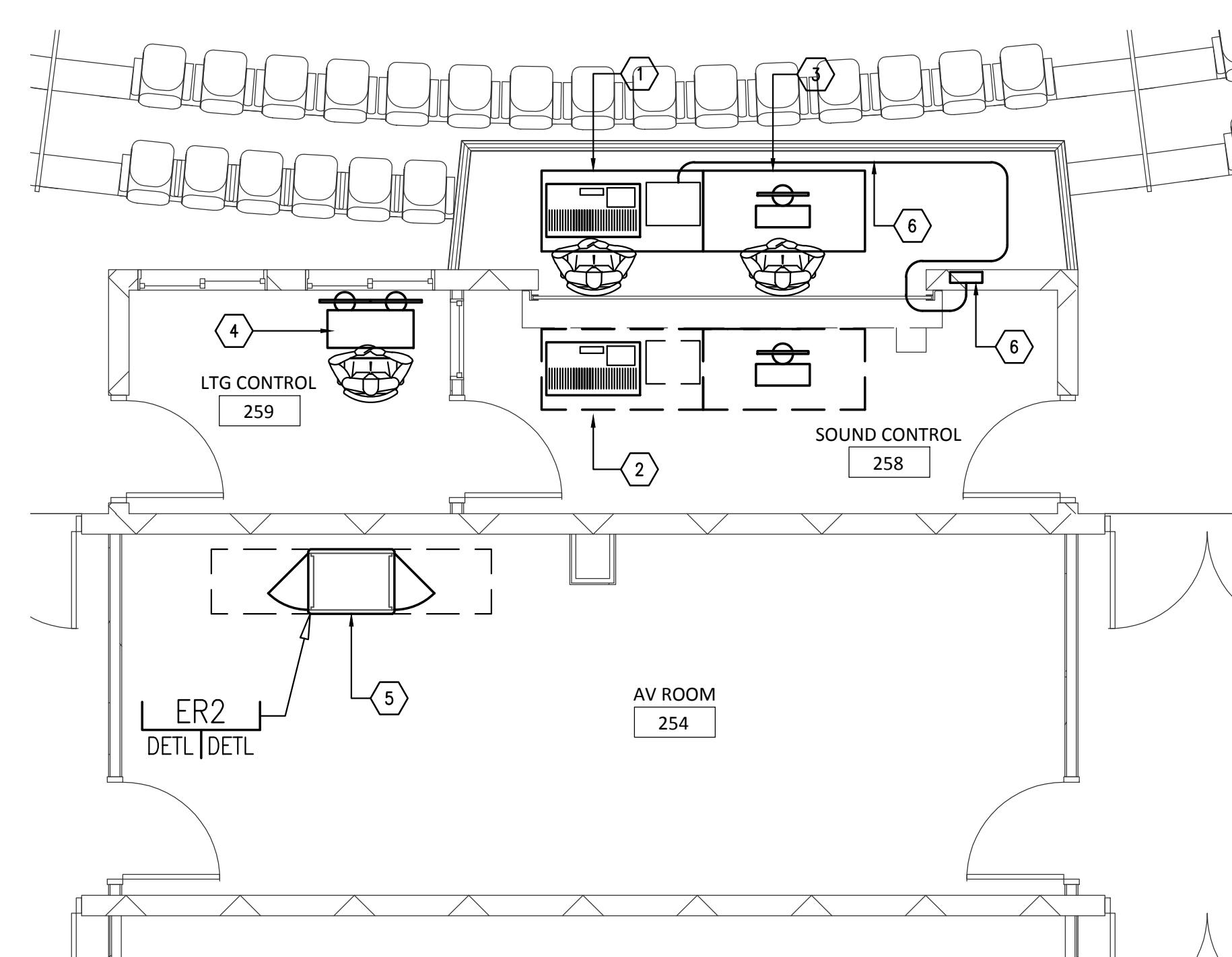
1 MAIN LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"



2 UPPER LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"



3 CONTROL ROOM AND AV ROOM DETAIL PLAN

SCALE: 1/4"=1'-0"

WATFORD CITY HIGH SCHOOL

Watford City, North Dakota

DATE
10/27/14PHASE
BID PACKAGE

3

PROJECT
JLG 13099SHEET
AV102MAIN AND UPPER
FLOOR AV SYSTEMS

AV PLAN SYMBOLS

- AV DEVICE - IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK (WALL MOUNTED TYPE)
- → LOUDSPEAKER - IDENTIFIED WITH DEVICE TAG
- DEVICE TAG

DEVICE AND EQUIPMENT LEGEND

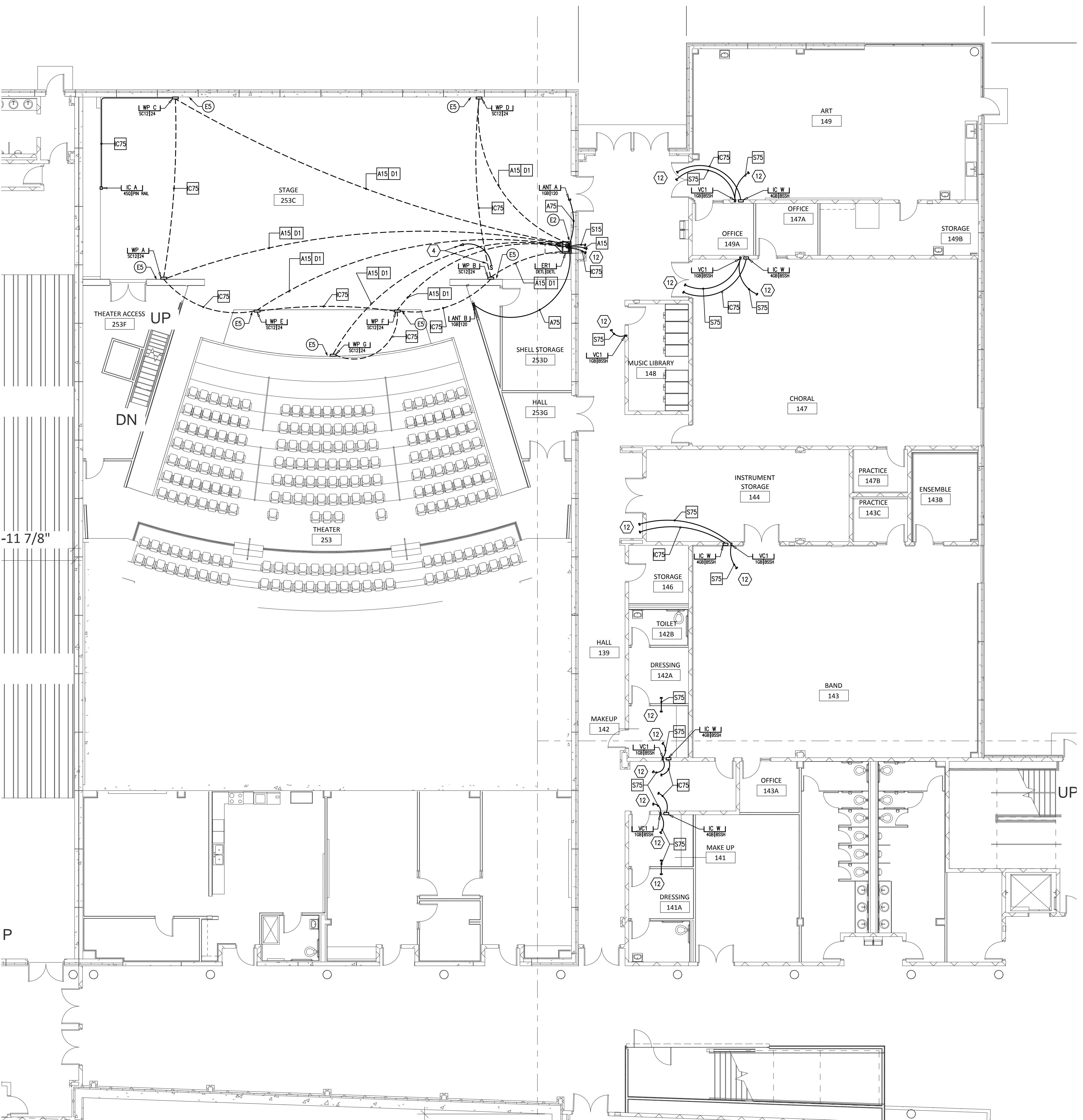
- CP1 CONTROL PANEL
- ER1 EQUIPMENT RACK
- HAA HEARING ASSISTANCE ANTENNA
- LS1 LOUDSPEAKER TYPE 1
- LS2 LOUDSPEAKER TYPE 2
- WPxxx WALL PLATE - REFER TO SCHEMATIC DIAGRAM AND PLATE DETAILS

AV INFRASTRUCTURE NOTES

1. ISOLATED AND INSULATED #10 CU SUPPLEMENTAL GROUNDED CONDUCTOR TO THE AV EQUIPMENT RACK. THE CONDUCTOR TO BE CONNECTED TO THE BUILDING GROUND AND TO THE EQUIPMENT RACK GROUNDING LUG.
2. FIRE ALARM OVERDUE - DRY CONTACT CLOSURE INPUT TO AN EQUIPMENT RACK TO TERMINATE ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
3. BUILDING PAGING SYSTEM INPUT - PROVIDE 70V SPEAKER LEVEL SIGNAL INTO AN EQUIPMENT RACK. TERMINATE SIGNAL ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
4. 120V PROJECTION SCREEN RAISE/LOWER SWITCH WITH CONTROL WIRING TO PROJECTION SCREEN ABOVE
5. LOW VOLTAGE CONTROL TO RACK ER-2
6. RACEWAY DOWN TO WP A
7. RACEWAY DOWN TO WP B
8. RACEWAY DOWN TO EQUIPMENT RACK ER-1
9. RACEWAY DOWN TO EQUIPMENT RACK ER-2
10. RACEWAY DOWN TO WALL PLATE IC-B BELOW
11. RACEWAY DOWN TO WALL PLATE WP N BELOW
12. RACEWAY STUBBED TO ABOVE ACCESSIBLE CEILING

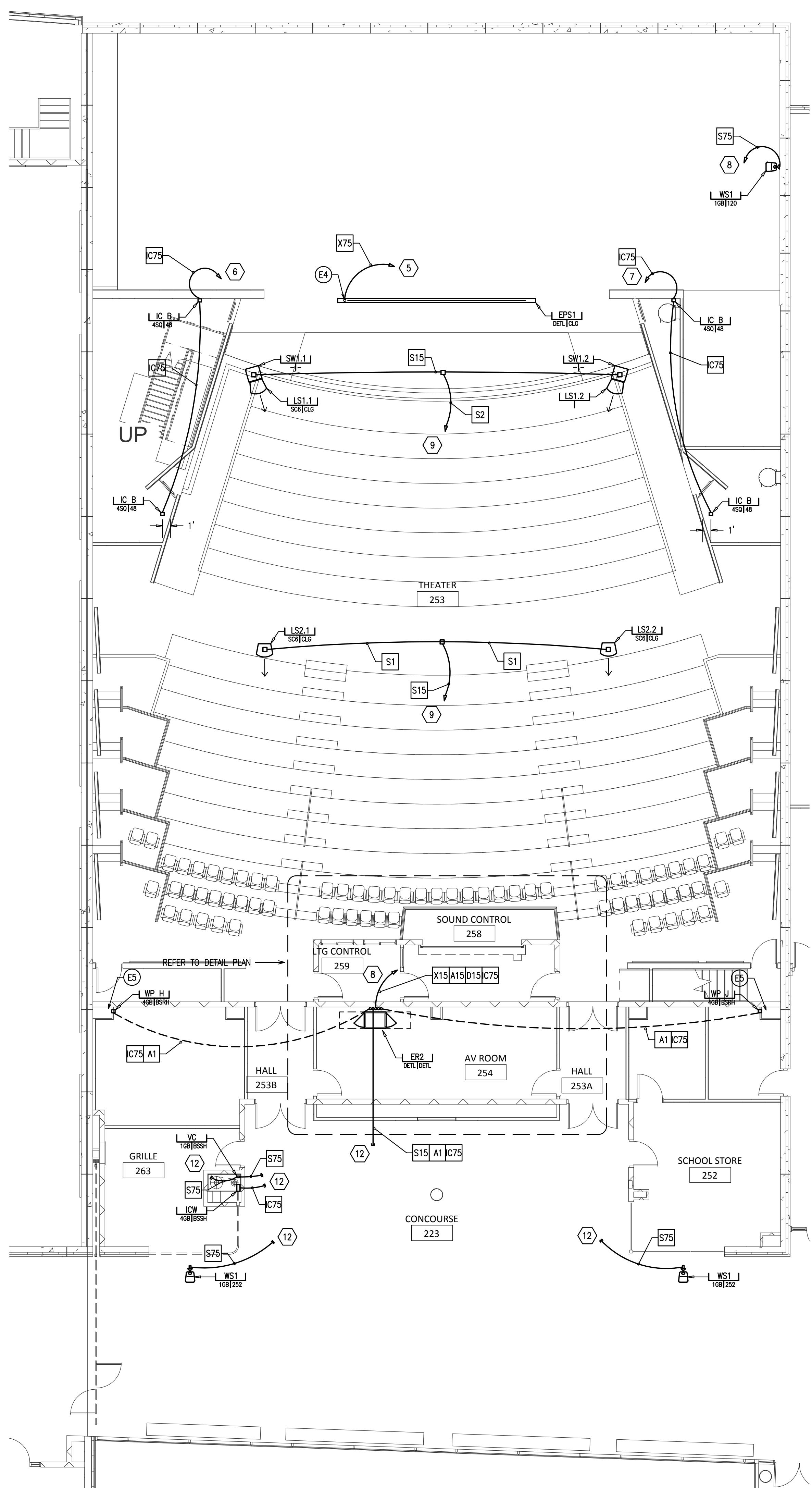
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AV POWER AND HEAT LOADS							
TAG	DESCRIPTION	VOLT/PH	ELECTRICAL LOAD	POWER CONNECTION TYPE	DEDICATED CIRCUIT	THERMAL DISSSIPATION (BTU/HR)	NOTES
EQUIPMENT RACK ER1							
E1	PROCESSING EQUIP	120V/1P	50W	5-15R	N	170	
	EQUIPMENT	120V/1P	500W	5-15R	N	1700	
	AMPLIFIER	120V/1P	1000W	5-15R	Y	3140	
	TOTALS		1550W			5010	
EQUIPMENT RACK ER2							
E2	PROCESSING	120V/1P	200W	5-15R	N	690	
	CONTROL PROCESSOR	120V/1P	20W	5-15R	N	100	
	WIRELESS MICS	120V/1P	50W	5-15R	N	170	
	AUDIO PROCESSOR	120V/1P	100W	5-15R	N	350	
	VIDEO SWITCHER	120V/1P	30W	5-15R	N	110	
	AMPLIFIER	120V/1P	1000W	5-15R	Y	3400	
	AMPLIFIER	120V/1P	1500W	5-15R	Y	3400	
	TOTALS		1390W			4820	
E3	VIDEO PROJECTOR	120V/1P	750W	5-15R	N	--	
E4	PROJECTION SCREEN	120V/1P	720W	DIRECT	N	--	
E5	CONVENIENCE RECEPT (2)	120V/1P	360W	(2) 5-15R	N	--	
E6	FLAT PANEL DISPLAY	120V/1P	360W	5-15R	N	--	



1 LOWER LEVEL PLAN - AV INFRASTRUCTURE

SCALE: 1/8"=1'-0"



1 MAIN LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"

AV PLAN SYMBOLS

- AV DEVICE – IDENTIFIED WITH DEVICE TAG
- Equipment RACK (WALL MOUNTED TYPE)
- → LOUDSPEAKER – IDENTIFIED WITH DEVICE TAG
- └ ID ─ DEVICE TAG

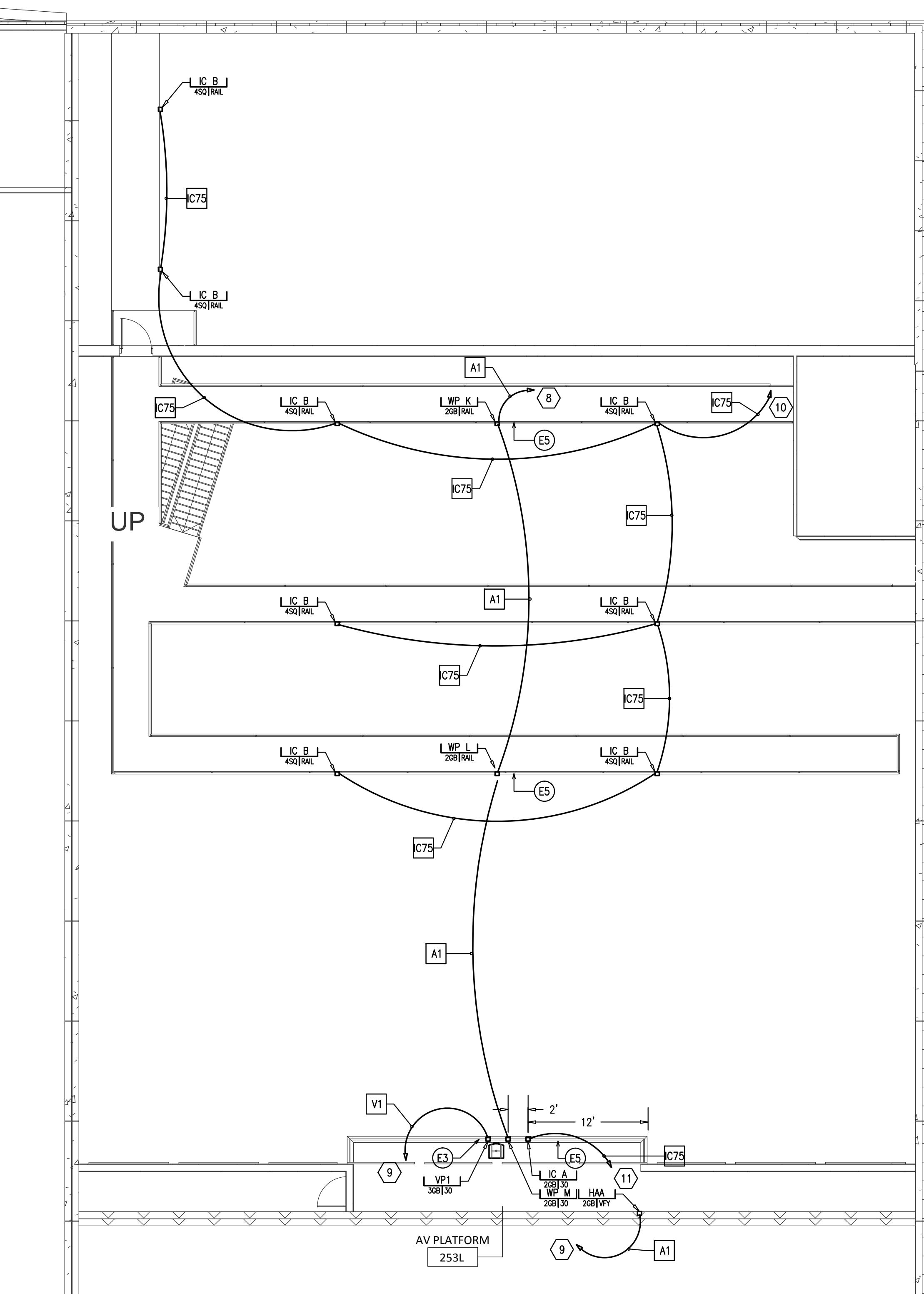
DEVICE AND EQUIPMENT LEGEND

- CP1 CONTROL PANEL
- ER1 EQUIPMENT RACK
- HAA HEARING ASSISTANCE ANTENNA
- LS1 LOUDSPEAKER TYPE 1
- LS2 LOUDSPEAKER TYPE 2
- WPxxx WALL PLATE – REFER TO SCHEMATIC DIAGRAM AND PLATE DETAILS

AV INFRASTRUCTURE NOTES (X)

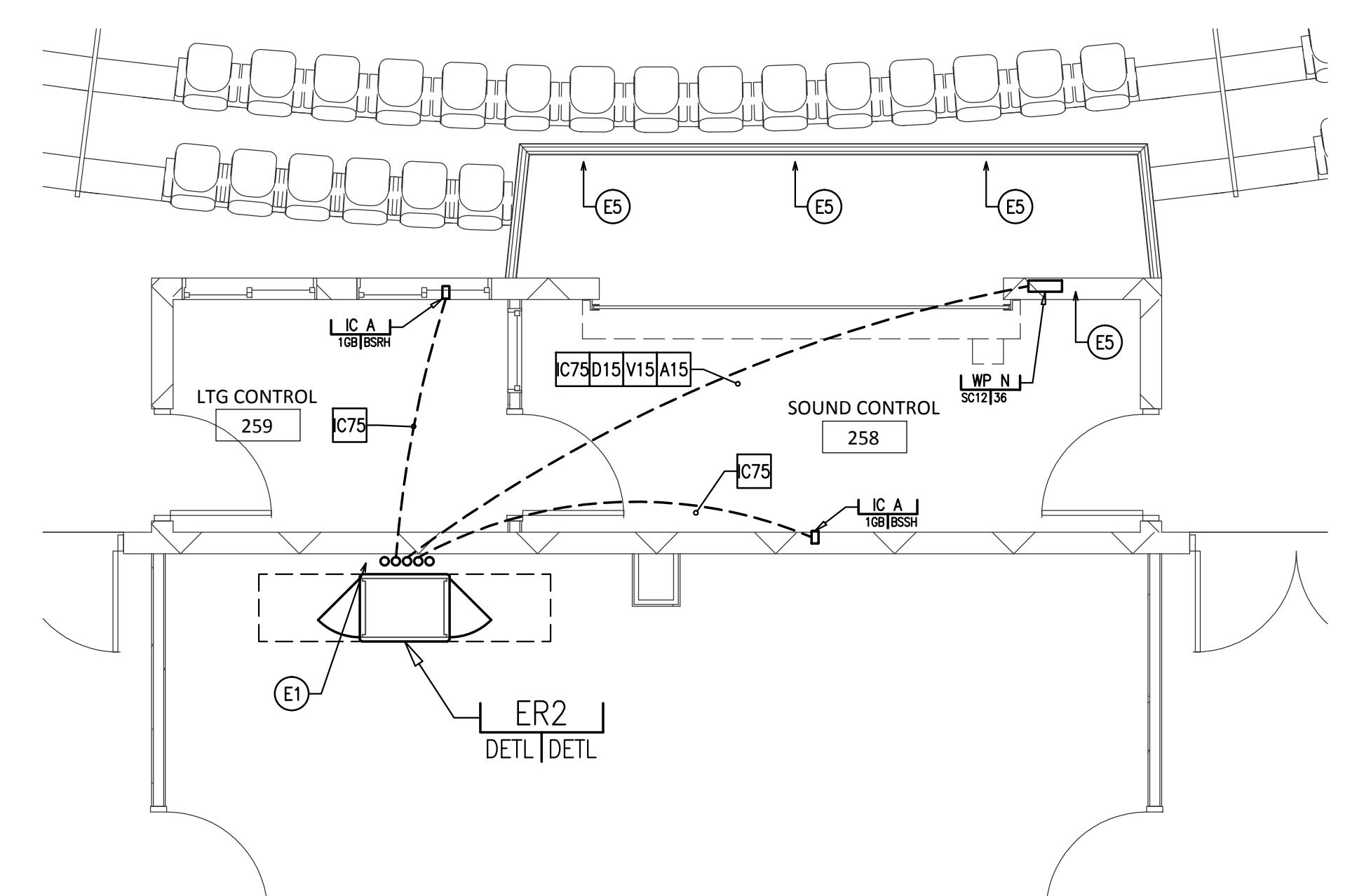
1. ISOLATED AND INSULATED #6 CU SUPPLEMENTAL GROUNDING CONDUCTOR TO THE AV EQUIPMENT RACK. THE CONDUCTOR TO BE CONNECTED TO THE BUILDING GROUND AND TO THE EQUIPMENT RACK GROUNDING LUG.
2. FIRE ALARM OVERRIDE – DRY CONTACT CLOSURE INPUT TO AV EQUIPMENT RACK, TO TERMINATE ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
3. BUILDING PAGING SYSTEM INPUT – PROVIDE 70V SPEAKER LEVEL SIGNAL INTO AV EQUIPMENT RACK. TERMINATE SIGNAL ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT
4. 120V PROJECTION SCREEN RAISE/LOWER SWITCH WITH CONTROL WIRING TO PROJECTION SCREEN ABOVE
5. LOW VOLTAGE CONTROL TO RACK ER-2
6. RACEWAY DOWN TO WP A
7. RACEWAY DOWN TO WP B
8. RACEWAY DOWN TO EQUIPMENT RACK ER-1
9. RACEWAY DOWN TO EQUIPMENT RACK ER-2
10. RACEWAY DOWN TO WALL PLATE IC-B BELOW
11. RACEWAY DOWN TO WALL PLATE WP N BELOW
12. RACEWAY STUBBED TO ABOVE ACCESSIBLE CEILING

4.1



2 UPPER LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"

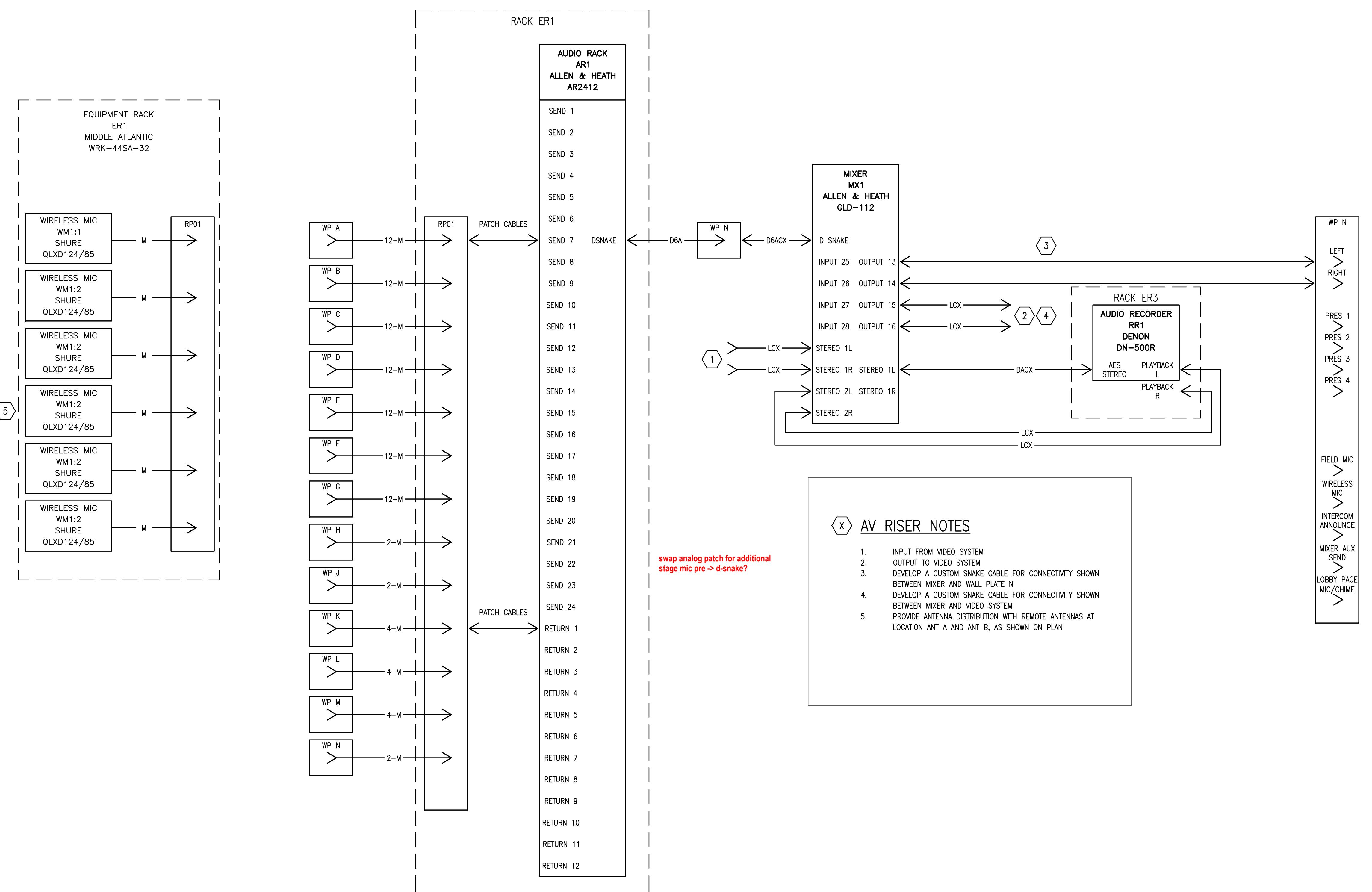


3 CONTROL ROOM AND AV STORAGE DETAIL PLAN

SCALE: 1/4"=1'-0"

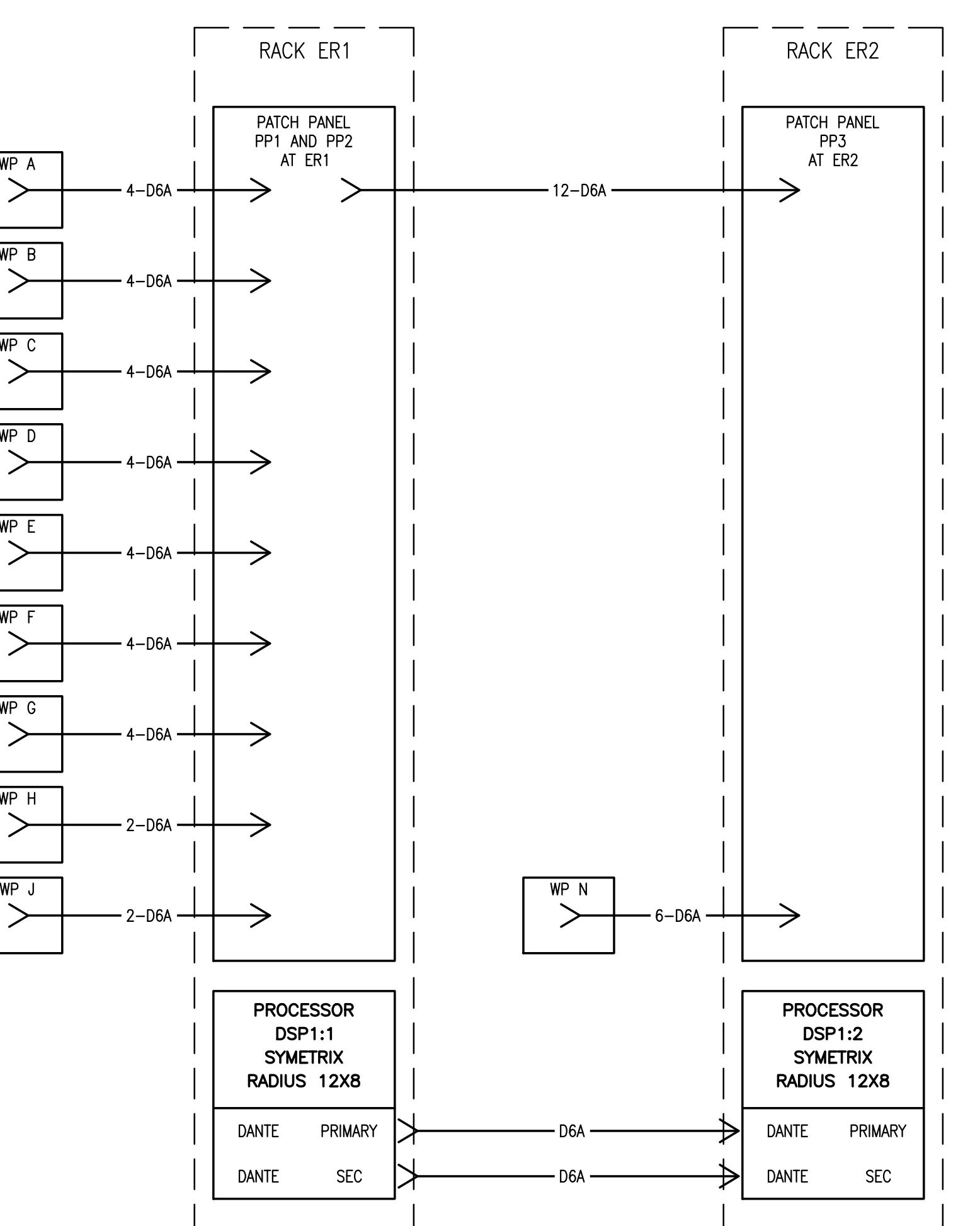
PLATE SCHEDULE									
BACK BOX			COVER PLATE						
ID	LOCATION	TYPE	SIZE	MOUNTING	SIZE	FINISH	CONNECTIVITY	LABEL	NOTES
WP A	STAGE LEFT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP B	STAGE RIGHT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP C	UP STAGE LEFT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP D	UP STAGE RIGHT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP E	ORCHESTRA PIT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP F	ORCHESTRA PIT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP G	ORCHESTRA PIT	SC	12X12	SURFACE	12X12	BLACK	8 - XLR3F 4 - XLR3M 4 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP H	BACK HOUSE LEFT	GB	4 GANG	FLUSH	4 GANG	SILVER	1 - XLR3F 1 - XLR3M 2 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP J	BACK HOUSE RIGHT	GB	4 GANG	FLUSH	4 GANG	SILVER	1 - XLR3F 1 - XLR3M 2 - RJ45 2 - XLR3M	SEND RETURN DATA IC A/B	-- --
WP K	CATWALK 1	GB	8X8	SURFACE	8X8	BLACK	2 - XLR3F 2 - XLR3M	SEND RETURN	-- --
WP L	CATWALK 3	GB	8X8	SURFACE	8X8	BLACK	2 - XLR3F 2 - XLR3M	SEND RETURN	-- --
WP M	FOLLOW SPOT	GB	8X8	SURFACE	8X8	BLACK	2 - XLR3F 2 - XLR3M	SEND RETURN	-- --
WP N	AUDIO CONTROL ROOM	SC	12X12	FLUSH	13X13	BLACK	AS SHOWN ON SCHEMATIC	TBD	-- --

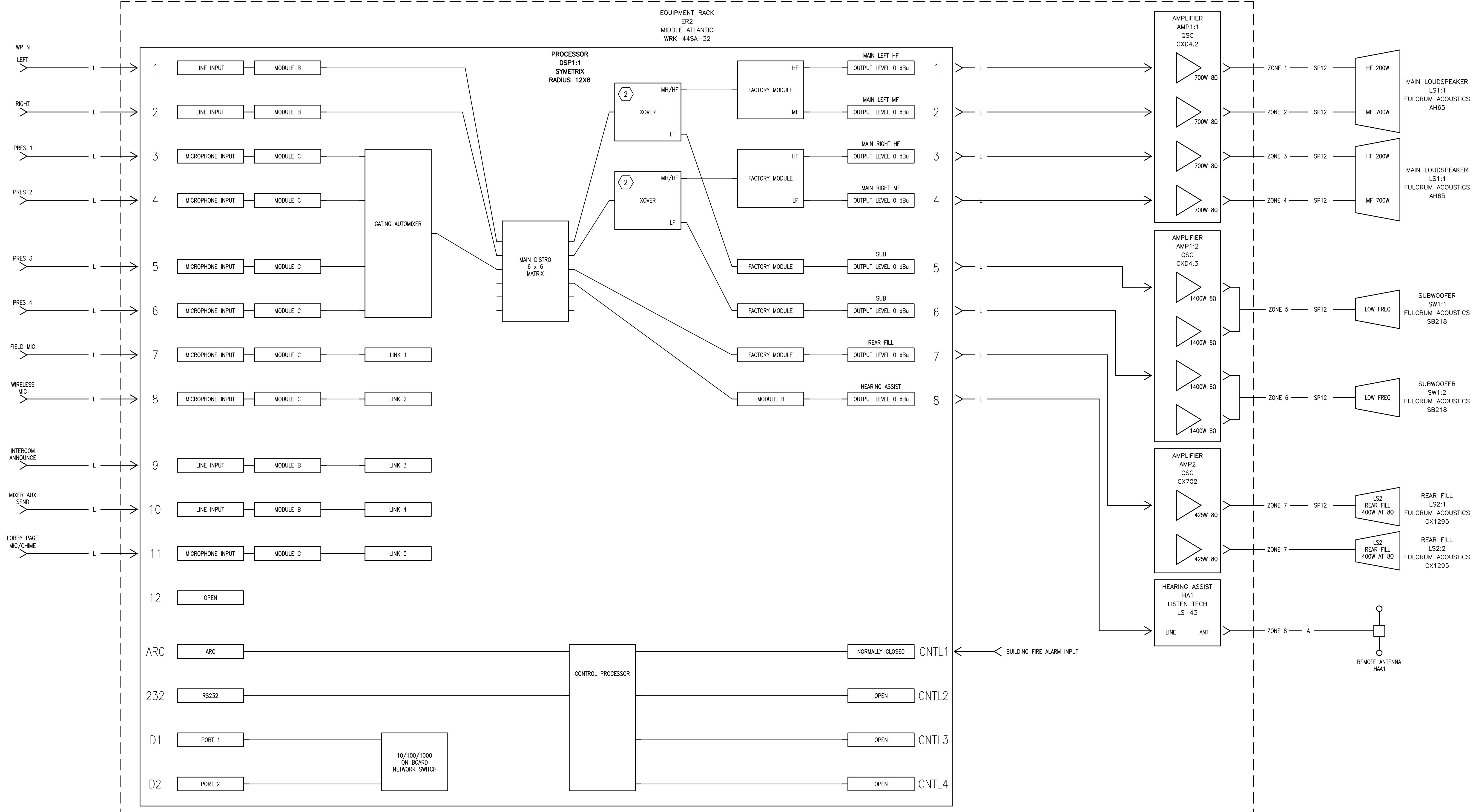
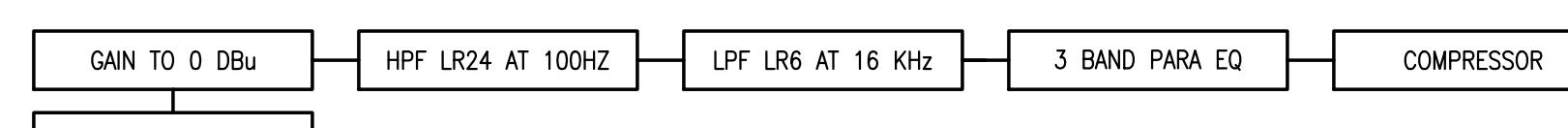
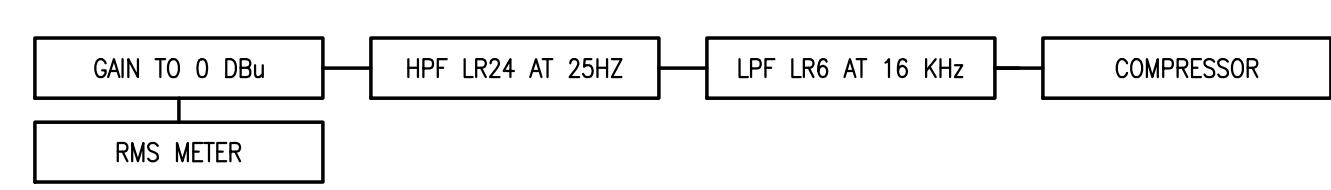
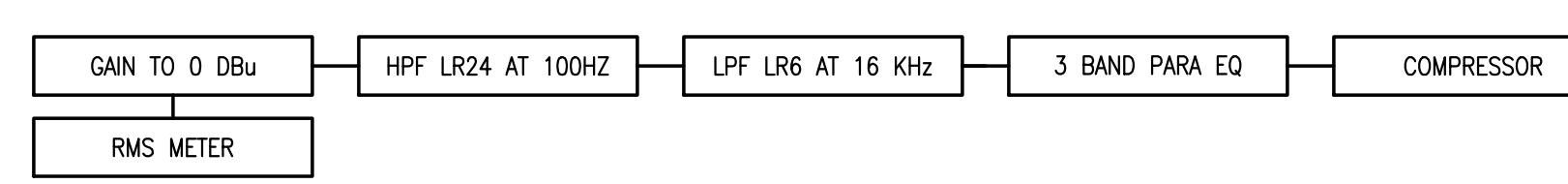
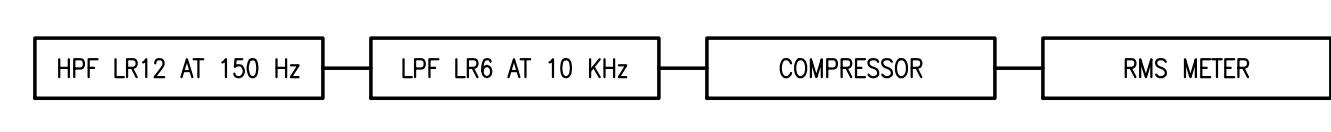
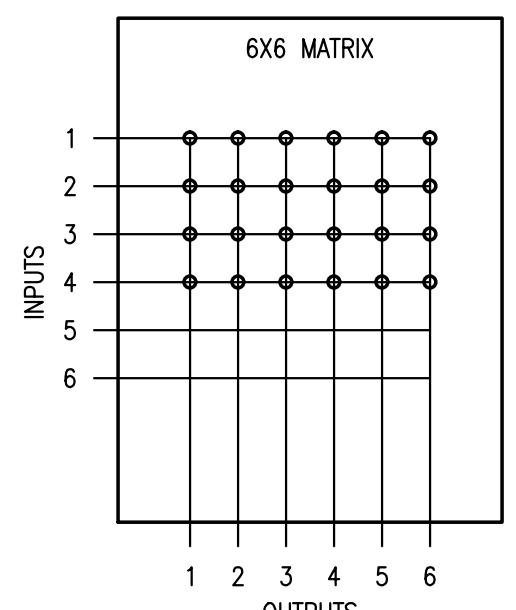
LOOSE EQUIPMENT SCHEDULE				
QTY	DESCRIPTION	MFGR	MODEL NO	NOTES
MICROPHONES				
6	HAND HELD MICROPHONE	SHURE	SM58	WITH STANDARD ACCESSORIES
4	INSTRUMENT MIC	SHURE	SM57	WITH STANDARD ACCESSORIES
2	INSTRUMENT MIC CONDENSOR	SHURE	SM94	WITH STANDARD ACCESSORIES
2	LARGE DIAPHRAGM INSTRUMENT MIC	SHURE	SM27	WITH STANDARD ACCESSORIES
4	BOUNDARY MIC	AUDIX	ADX60	WITH STANDARD ACCESSORIES
2	SHOTGUN MIC	AUDIO TECHNICA	AT8035	WITH STANDARD ACCESSORIES
4	CHIOR MIC WITH STAND	AUDIX	MBB450	WITH STANDARD ACCESSORIES
CORDS - SNAKES				
20	MICROPHONE CORD - 25 FT	WHIRLWIND	MK425	-- --
1	POWER CORD - 25 FT BLACK	TBD	TBD	-- --
4	25' STAGE 8X4 STAGE BOX	WHIRLWIND	MS-8-4-X L-50	8 SENDS, 4 RETURNS, XLR AT 50'
PATCH CABLES				
20	MICROPHONE PATCH CORD - 6 FT	WHIRLWIND	MK406	FIELD PANEL TO MIXER RACK
10	DATA PATCH CORD - 6 FT	HUBBELL	TBD	
STANDS				
8	TALL STAND WITH BOOM	K&M	210/9	-- --
8	SHORT STAND WITH BOOM	K&M	259	-- --
1	SPY MIC BAR/CLAMP	K&M	23550	-- --
ACCESSORIES				
4	POWERED MONITOR SPEAKERS	QSC	K10	WITH K10 TOTE
4	MICROPHONE CORD - 25 FT	WHIRLWIND	MK425	-- --
4	25' AC CABLE	TBD	TBD	BLACK
2	TRIPOD STAND	K&M	21435	WITH 21311 CARRY CASE
2	DIRECT BOX	WHIRLWIND	IMP2	-- --
2	STEREO DIRECT BOX	WHIRLWIND	PCDI	-- --



1 AUDIO INPUT SYSTEM SCHEMATIC DIAGRAM

2 DATA SYSTEM SCHEMATIC DIAGRAM

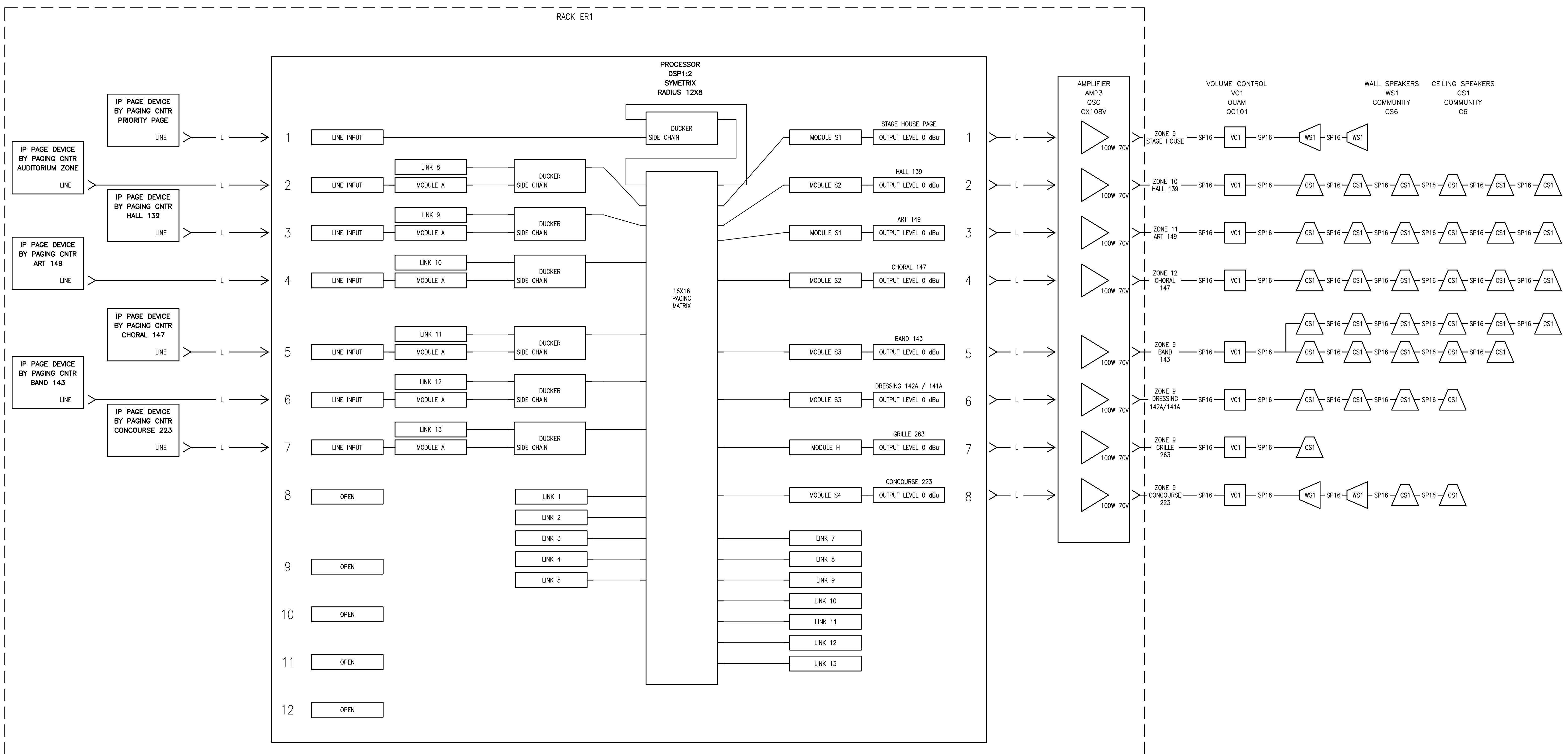


**MODULE DEFINITIONS****MODULE A DETAIL – BUILDING PAGE INPUT****MODULE B DETAIL – LINE INPUT****MODULE C DETAIL – MICROPHONE INPUT****MODULE H DETAIL – HEARING ASSIST OUTPUT****PROCESSING DETAILS****MAIN MATRIX****PROCESSOR CONTROL ITEMS**

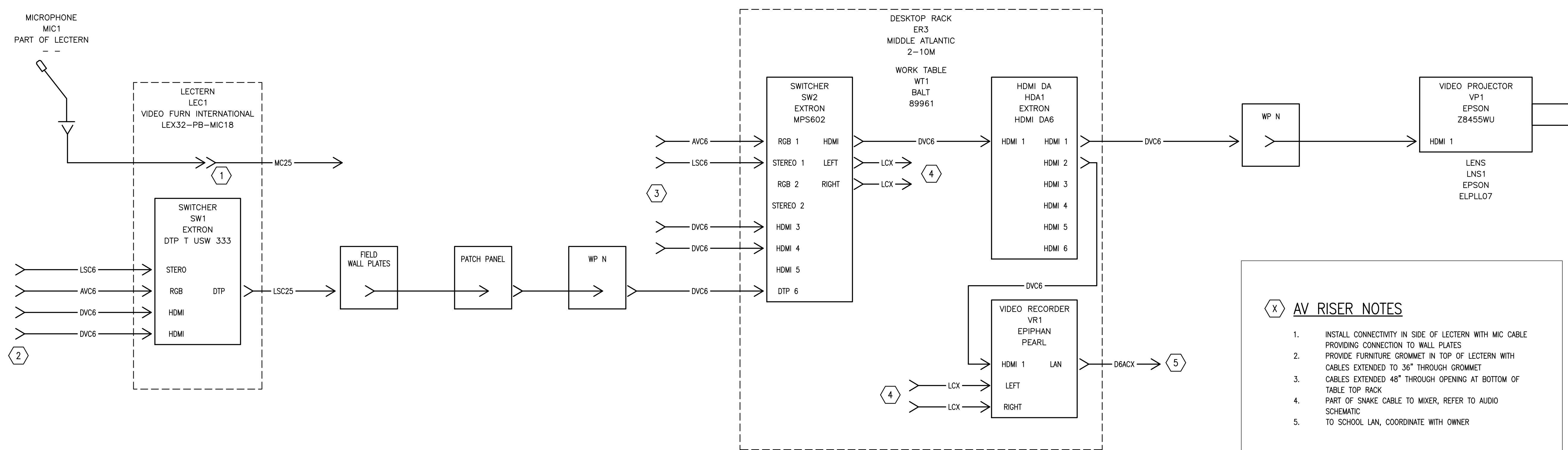
LABEL	OPERATION
FIRE ALARM OVERRIDE	UPON DEACTIVATION OF FIRE ALARM SIGNAL, MUTE ALL OUTPUT ZONES

AV RISER NOTES

1. REFER TO THE CONTROL SYSTEM SCHEMATIC FOR INFORMATION REGARDING AUDIO SYSTEM CONTROL
2. CONFIRM CROSSOVER SETTINGS WITH LOUDSPEAKER MANUFACTURER

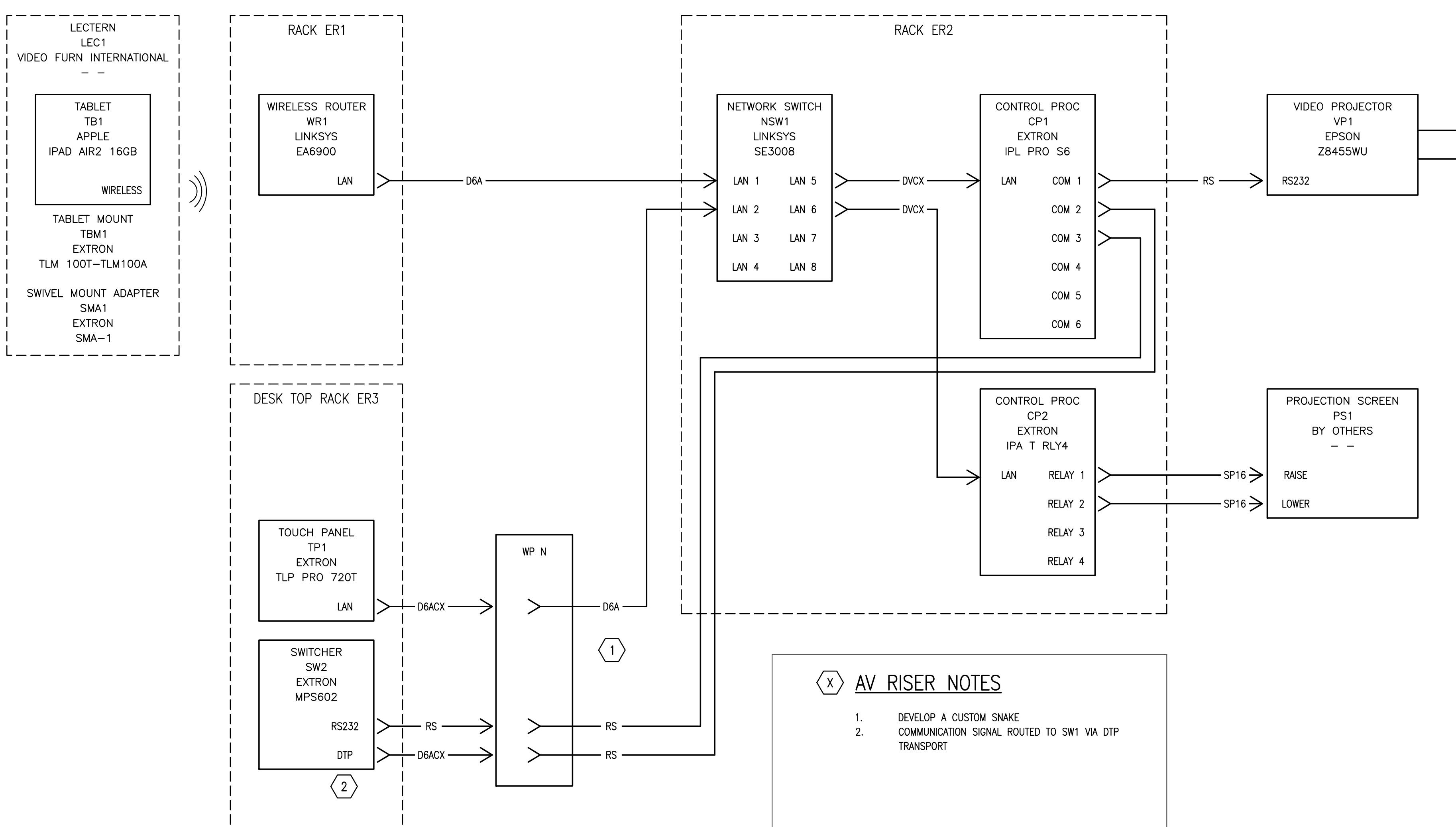


MODULE DEFINITIONS		PROCESSING DETAILS		PROCESSOR CONTROL ITEMS		AV RISER NOTES					
MODULE A DETAIL – BUILDING PAGE INPUT		MAIN MATRIX <small>FIXED ASSIGNS</small>									
<p>GAIN TO 0 dBu</p> <p>HPF LR24 AT 100Hz</p> <p>LPF LR6 AT 16 kHz</p> <p>3 BAND PARA EQ</p> <p>COMPRESSOR</p> <p>RMS METER</p>											
MODULE B DETAIL – LINE INPUT											
<p>GAIN TO 0 dBu</p> <p>HPF LR24 AT 25Hz</p> <p>LPF LR6 AT 16 kHz</p> <p>COMPRESSOR</p> <p>RMS METER</p>											
MODULE C DETAIL – MICROPHONE INPUT											
<p>GAIN TO 0 dBu</p> <p>HPF LR24 AT 100Hz</p> <p>LPF LR6 AT 16 kHz</p> <p>3 BAND PARA EQ</p> <p>COMPRESSOR</p> <p>RMS METER</p>											
MODULE H DETAIL – HEARING ASSIST OUTPUT											
<p>HPF LR12 AT 150 Hz</p> <p>LPF LR6 AT 10 kHz</p> <p>COMPRESSOR</p> <p>RMS METER</p>											
				<table border="1"> <thead> <tr> <th>LABEL</th><th>OPERATION</th></tr> </thead> <tbody> <tr> <td>FIRE ALARM OVERRIDE</td><td>UPON DEACTIVATION OF FIRE ALARM SIGNAL, MUTE ALL OUTPUT ZONES</td></tr> </tbody> </table>		LABEL	OPERATION	FIRE ALARM OVERRIDE	UPON DEACTIVATION OF FIRE ALARM SIGNAL, MUTE ALL OUTPUT ZONES		
LABEL	OPERATION										
FIRE ALARM OVERRIDE	UPON DEACTIVATION OF FIRE ALARM SIGNAL, MUTE ALL OUTPUT ZONES										



1 VIDEO SYSTEM SCHEMATIC DIAGRAM

NO SCALE



2 CONTROL SYSTEM SCHEMATIC DIAGRAM

5/16/2014

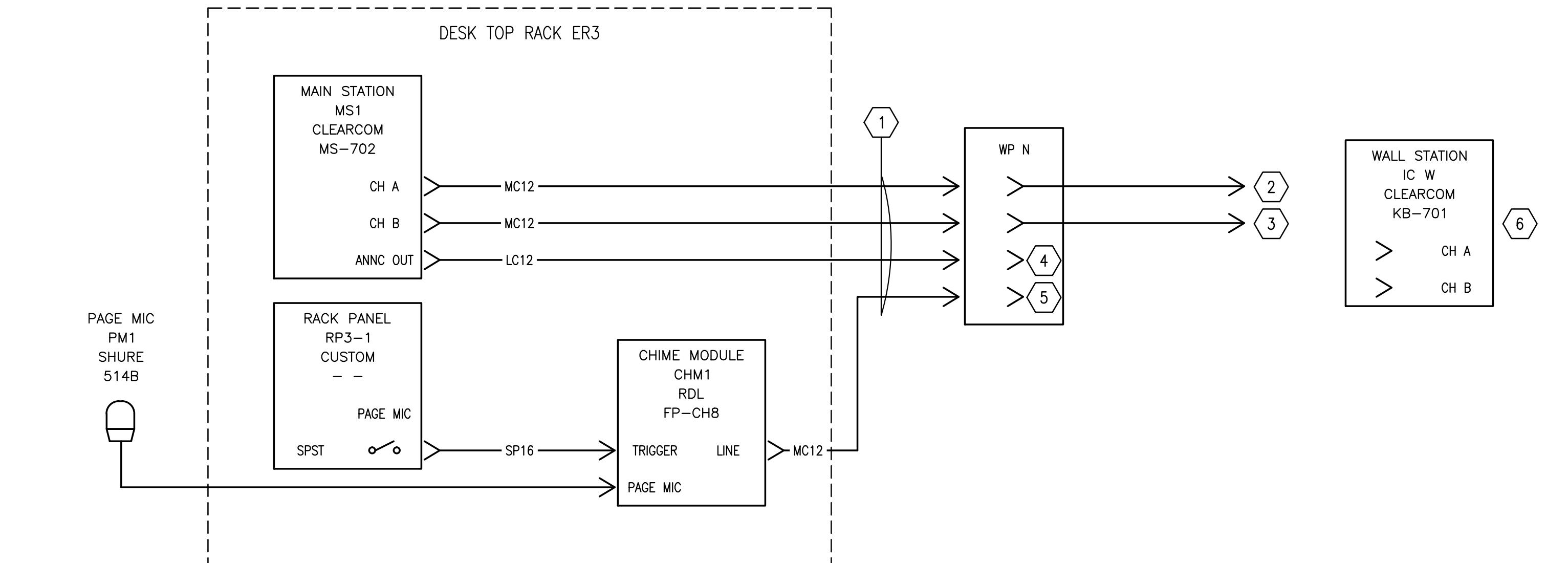
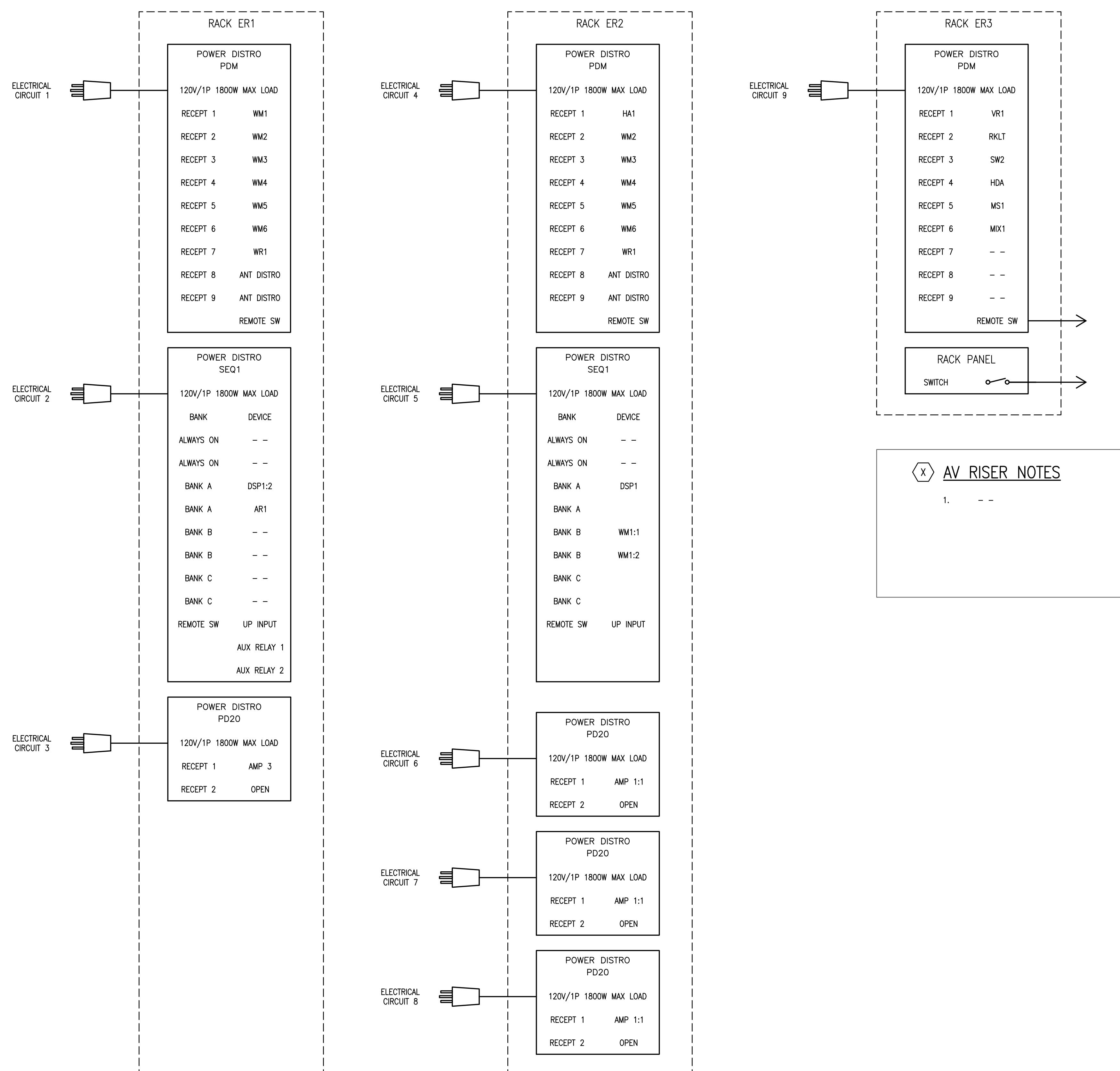


PLATE SCHEDULE						
ID	LOCATION	BACK BOX		SIZE	FINISH	CONNECTIVITY
		TYPE	SIZE			
IC A	AS SHOWN ON PLAN	GB	1	FLUSH	1 GANG	BLACK 1 - XLR3F 1 - XLR3M A QTY AS SHOWN ON PLAN B
IC B	AS SHOWN ON PLAN	4SQ	4X4	SURFACE	4X4	STANDARD 1 - XLR3F 1 - XLR3M A QTY AS SHOWN ON PLAN B

LOOSE EQUIPMENT SCHEDULE				
QTY	DESCRIPTION	MFGR	MODEL NO	NOTES
INTERCOM				
8	1 CHANNEL BELTPACK	CLEARCOM	RS-701	--
8	HEADSET	CLEARCOM	CC-300	--
8	CORD - 25 FT	WHLWIND	MK425	--

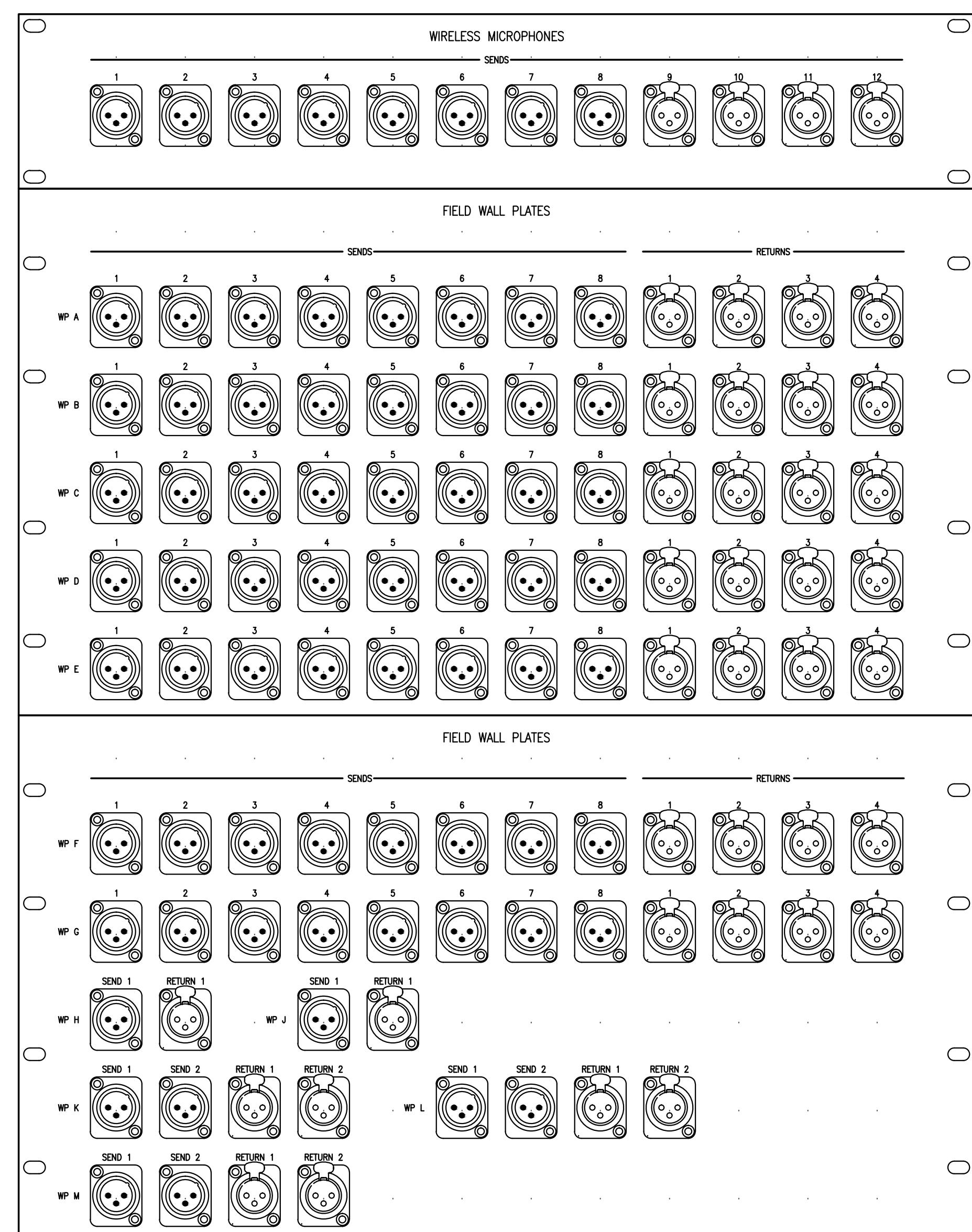
3 PRODUCTION INTERCOM SYSTEM SCHEMATIC DIAGRAM (ALTERNATE 15)

NO SCALE



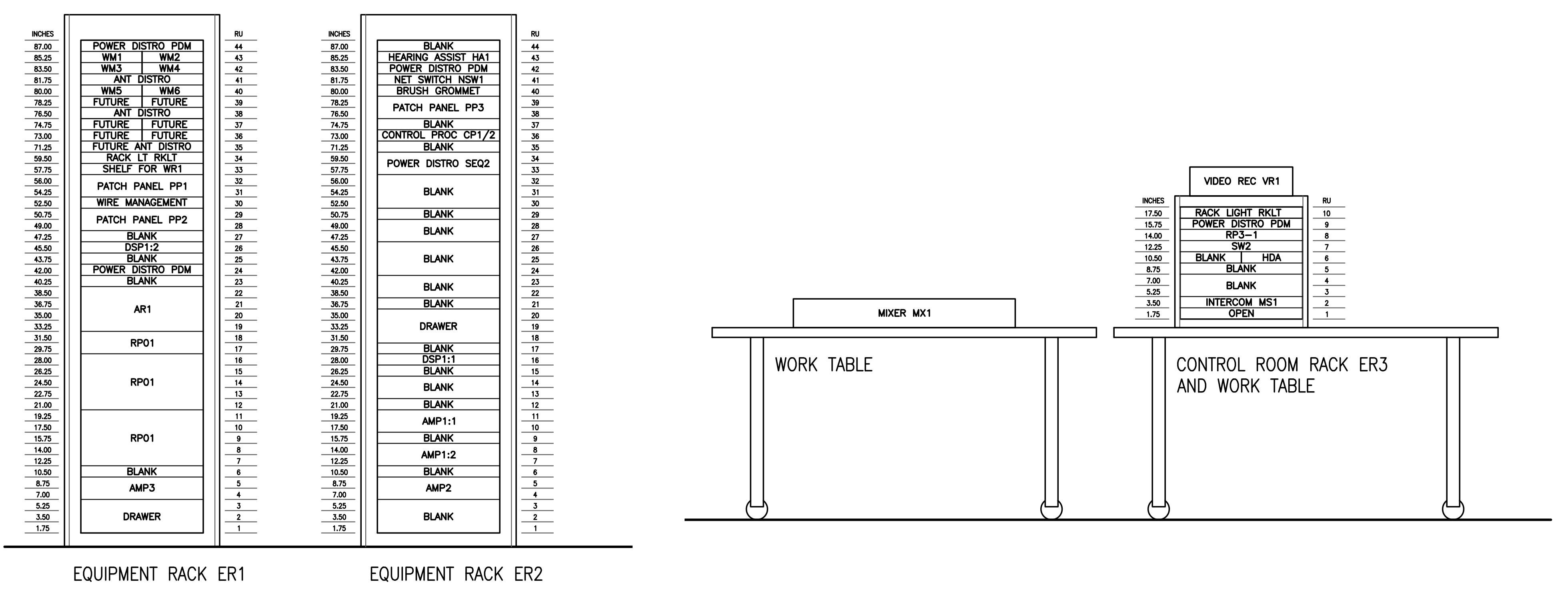
1 AUDITORIUM POWER DISTRIBUTION DIAGRAM

NO SCALE



2 RACK PANEL RP01 DETAIL

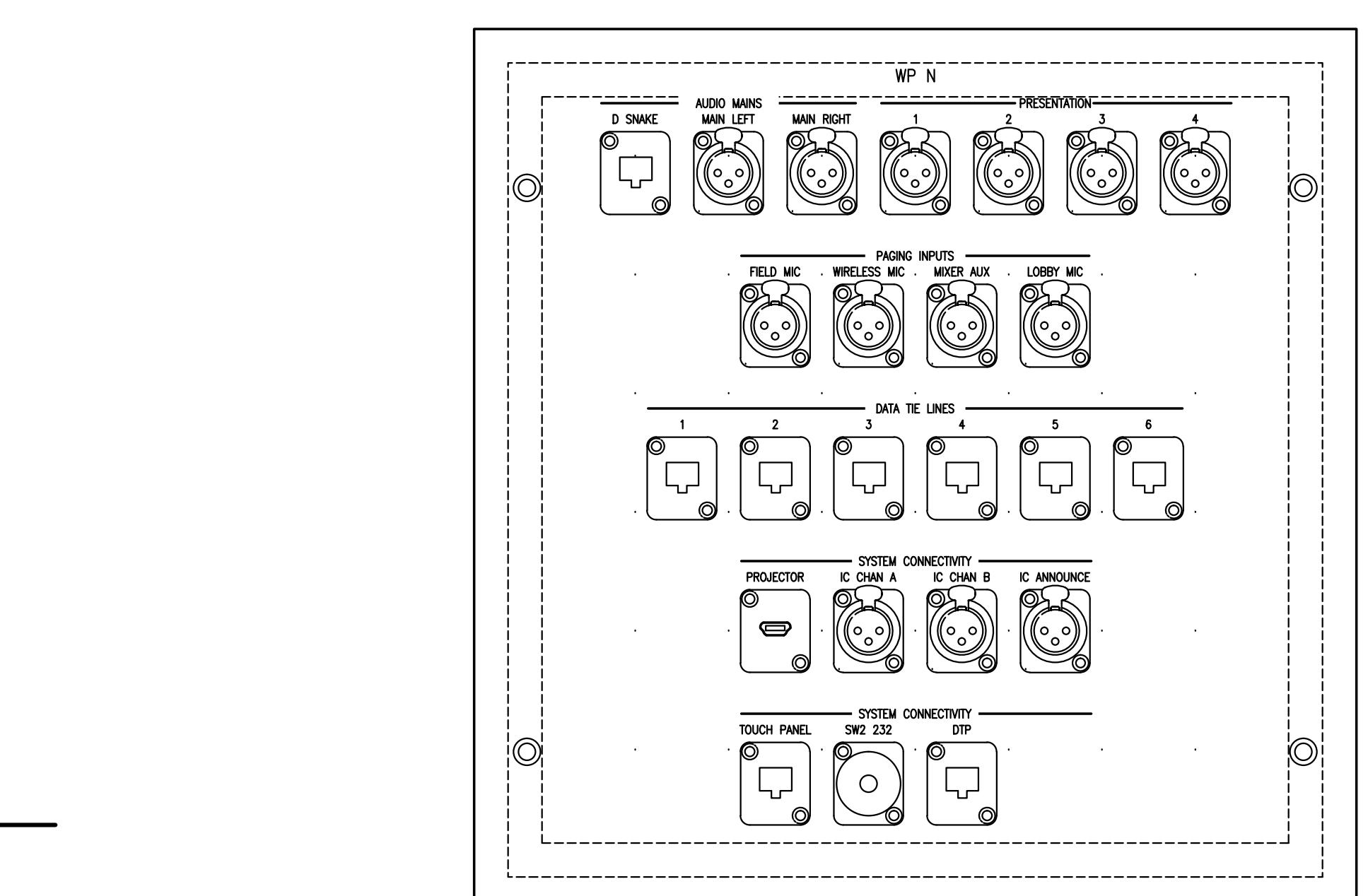
SCALE: 6'=1'-0"



3 MAIN RACK ELEVATIONS

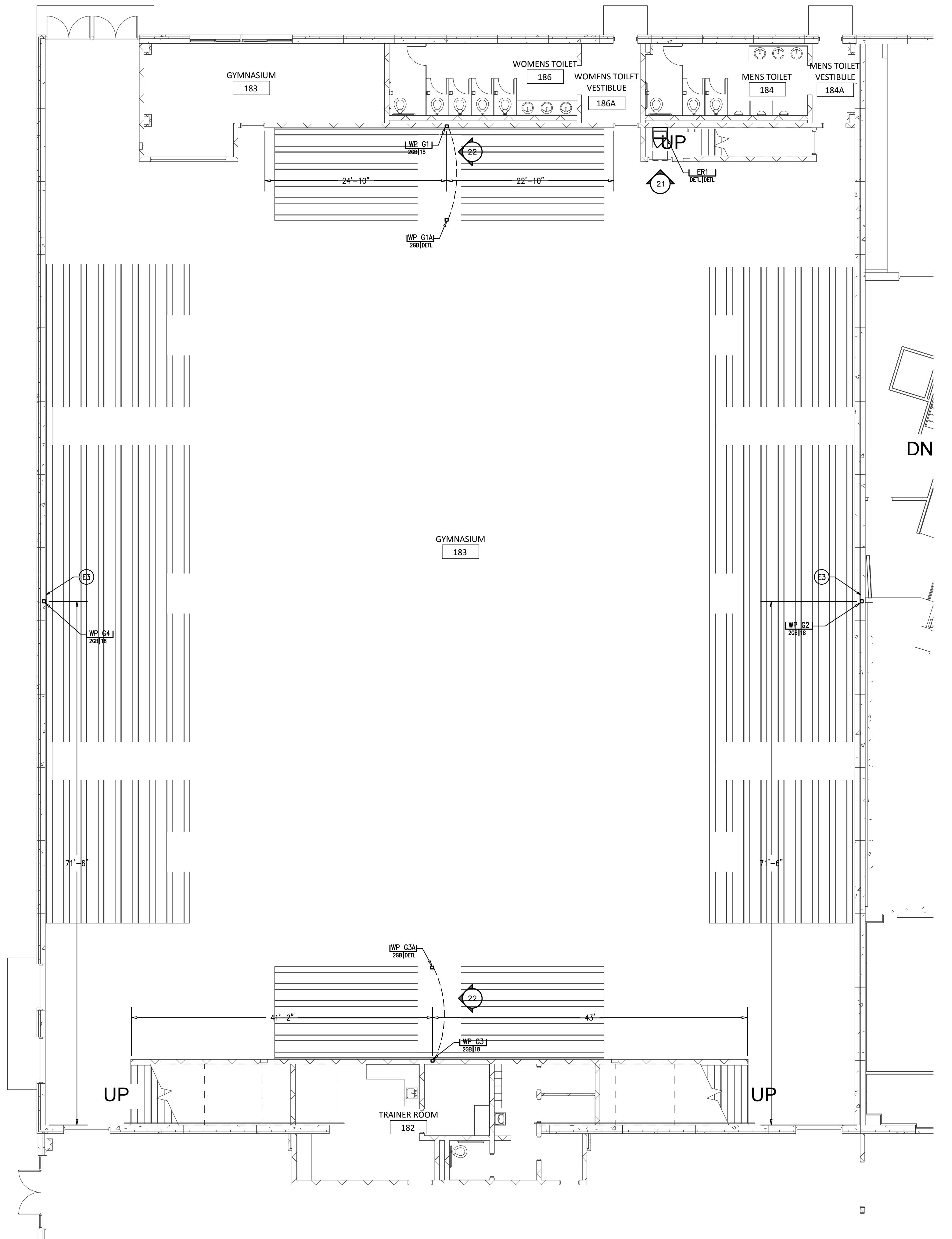
SCALE: 1'=1'-0"

4 AV CONTROL RACK ELEVATIONS



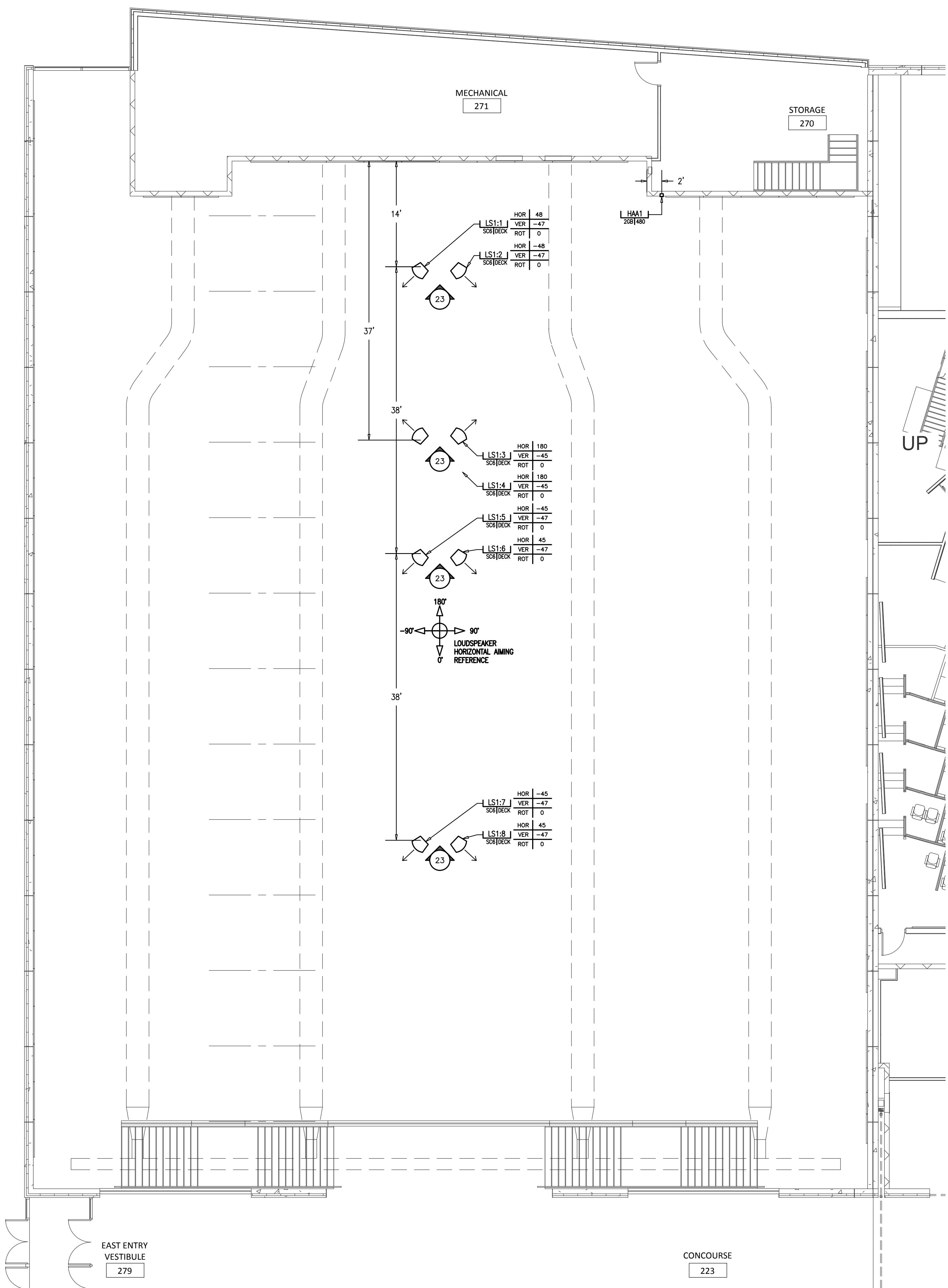
5 RACK PANEL RP01 DETAIL

SCALE: 6'=1'-0"



1 FIRST LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"



2 SECOND LEVEL PLAN - AUDIO VISUAL SYSTEMS

SCALE: 1/8"=1'-0"

AV PLAN SYMBOLS

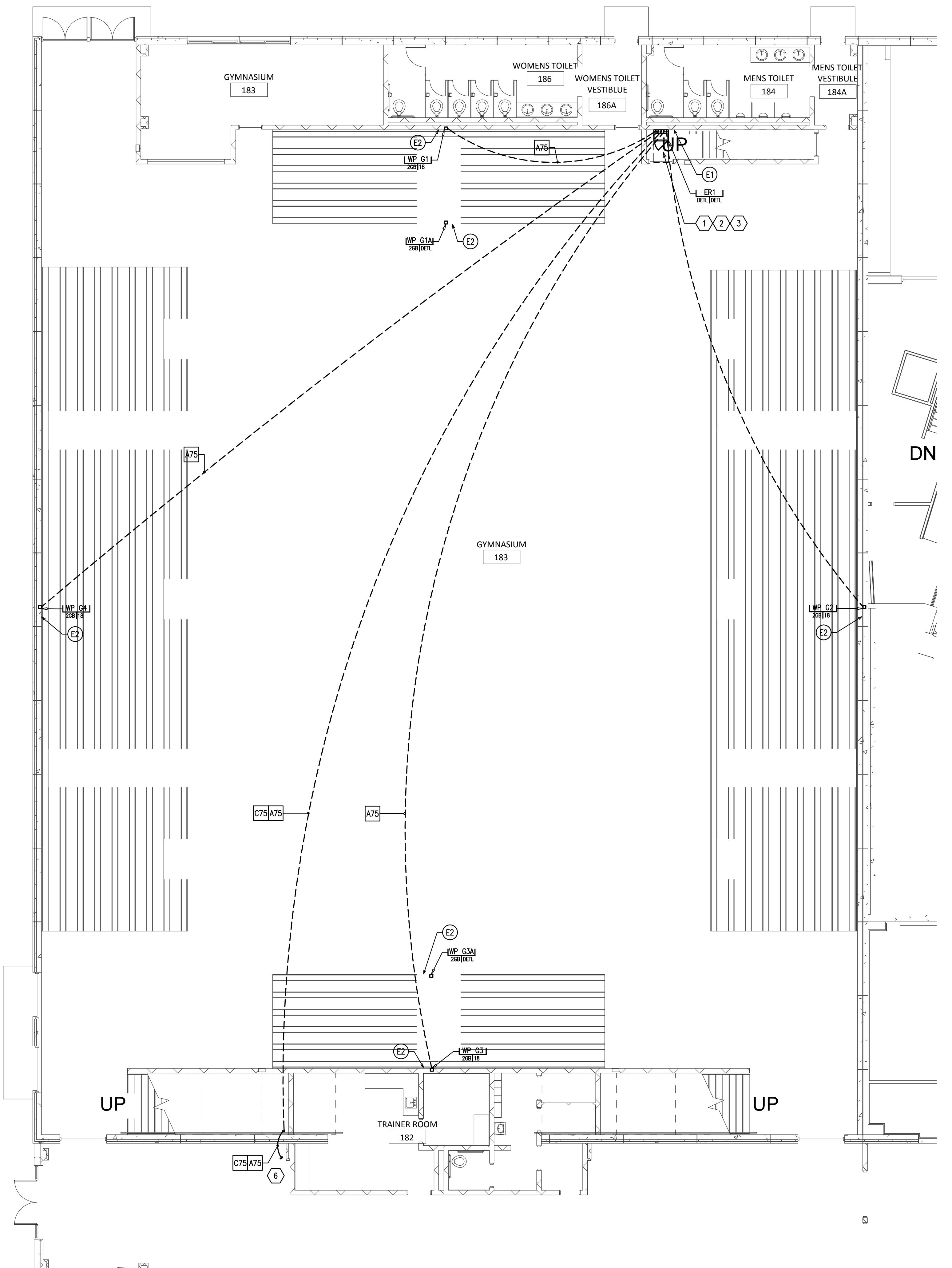
- AV DEVICE - IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK (WALL MOUNTED TYPE)
- → LOUDSPEAKER - IDENTIFIED WITH DEVICE TAG
- └ ID DEVICE TAG

DEVICE AND EQUIPMENT LEGEND

- ER1 EQUIPMENT RACK
 HAA HEARING ASSISTANCE ANTENNA
 LS1 LOUDSPEAKER TYPE 1
 WPxxx WALL PLATE - REFER TO SCHEMATIC DIAGRAM
 AND PLATE DETAILS

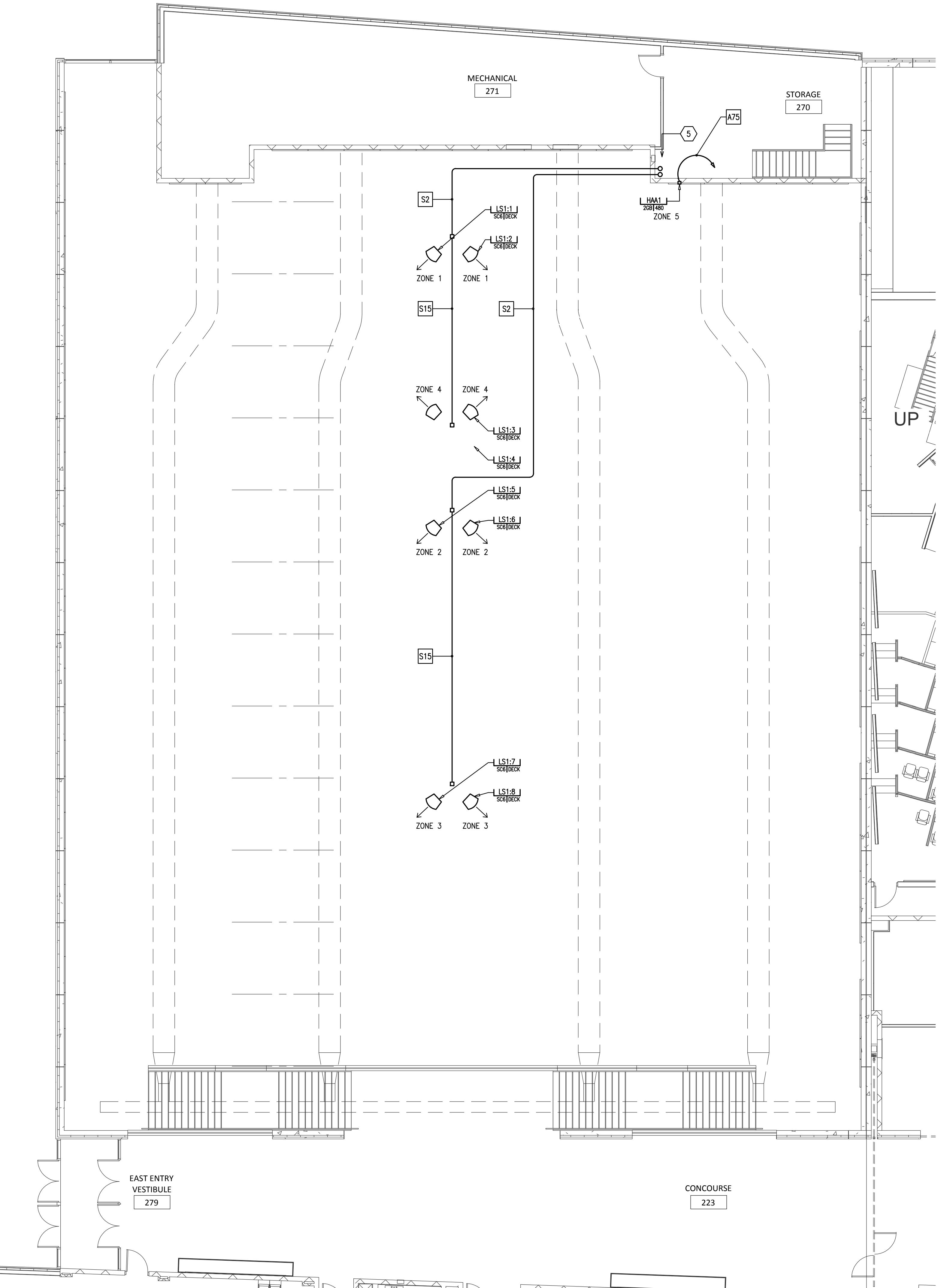
AV INFRASTRUCTURE NOTES (X)

1. ISOLATED AND INSULATED #6 CU SUPPLEMENTAL GROUNDING CONDUCTOR TO THE AV EQUIPMENT RACK. THE CONDUCTOR TO BE CONNECTED TO THE BUILDING GROUND AND TO THE EQUIPMENT RACK GROUNDING LUG.
2. FIRE ALARM OVERRIDE - DRY CONTACT CLOSURE INPUT TO AV EQUIPMENT RACK, TO TERMINATE ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO EQUIPMENT.
3. BUILDING PAGING SYSTEM INPUT - PROVIDE 70V SPEAKER LEVEL SIGNAL INTO AV EQUIPMENT RACK. TERMINATE SIGNAL ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
4. LOUDSPEAKERS CENTERED BETWEEN DOUBLE TEE STRUCTURE (TYPICAL)
5. RACEWAY DOWN TO EQUIPMENT RACK BELOW
6. RACEWAY STUB TO ABOVE ACCESSIBLE CORRIDOR CEILING



1 FIRST LEVEL PLAN - AUDIO VISUAL INFRASTRUCTURE

SCALE: 1/8"=1'-0"



2 SECOND LEVEL PLAN - AUDIO VISUAL INFRASTRUCTURE

SCALE: 1/8"=1'-0"

AV PLAN SYMBOLS

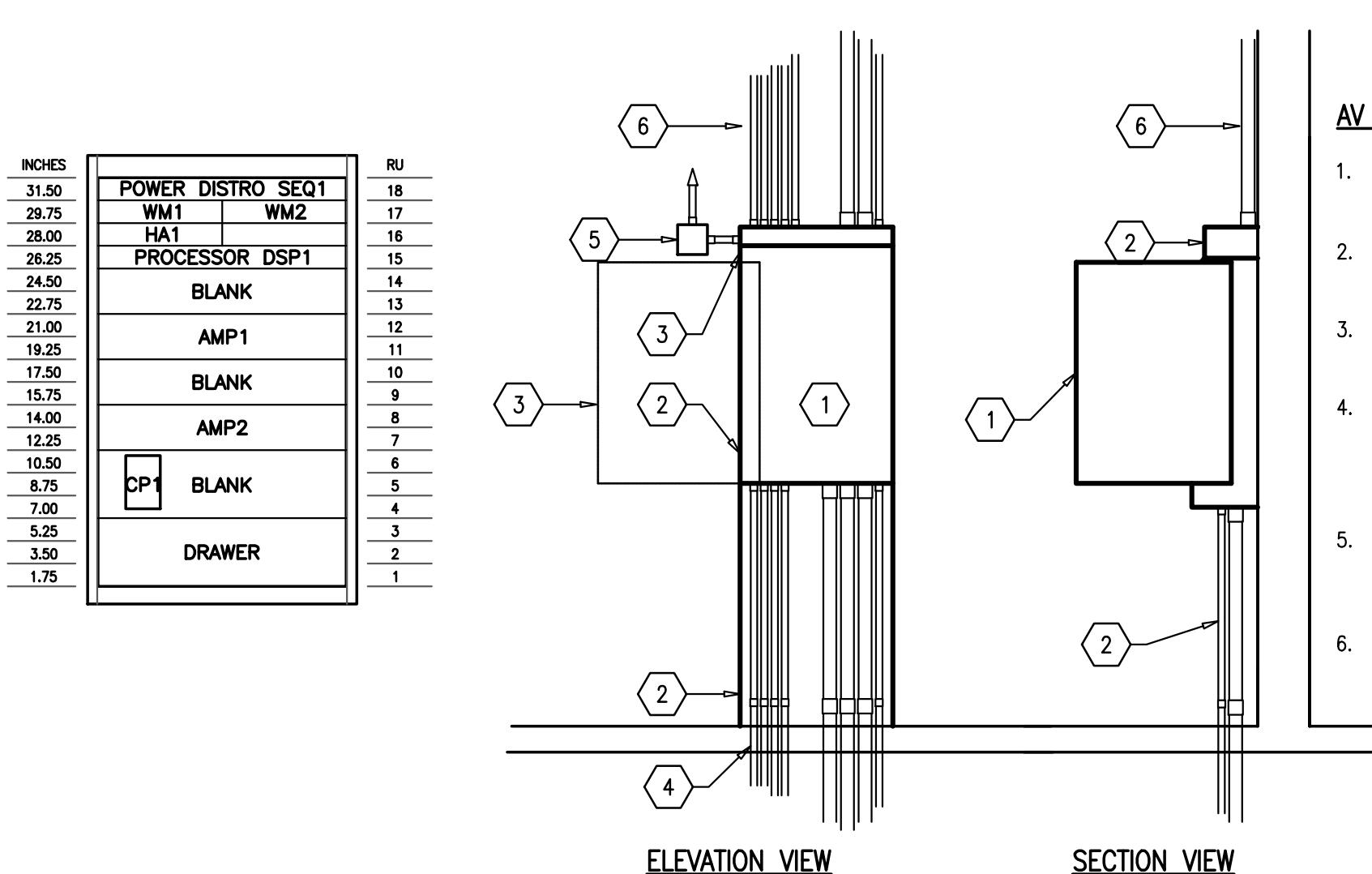
- AV DEVICE - IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK (WALL MOUNTED TYPE)
- → LOUDSPEAKER - IDENTIFIED WITH DEVICE TAG
- └ ID DEVICE TAG

DEVICE AND EQUIPMENT LEGEND

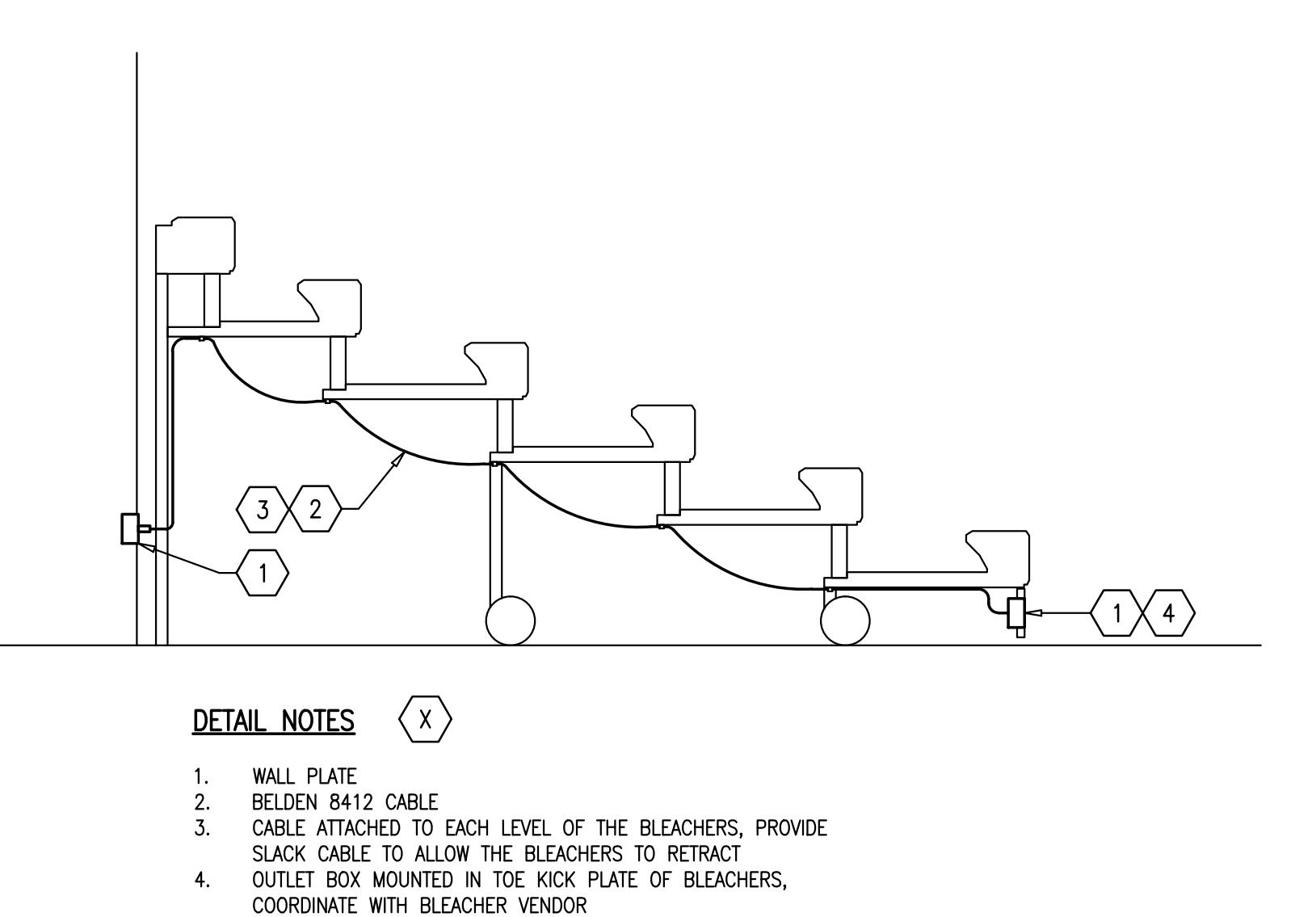
- ER1 EQUIPMENT RACK
- HAA HEARING ASSISTANCE ANTENNA
- LS1 LOUDSPEAKER TYPE 1
- WFxxx WALL PLATE - REFER TO SCHEMATIC DIAGRAM AND PLATE DETAILS

AV INFRASTRUCTURE NOTES

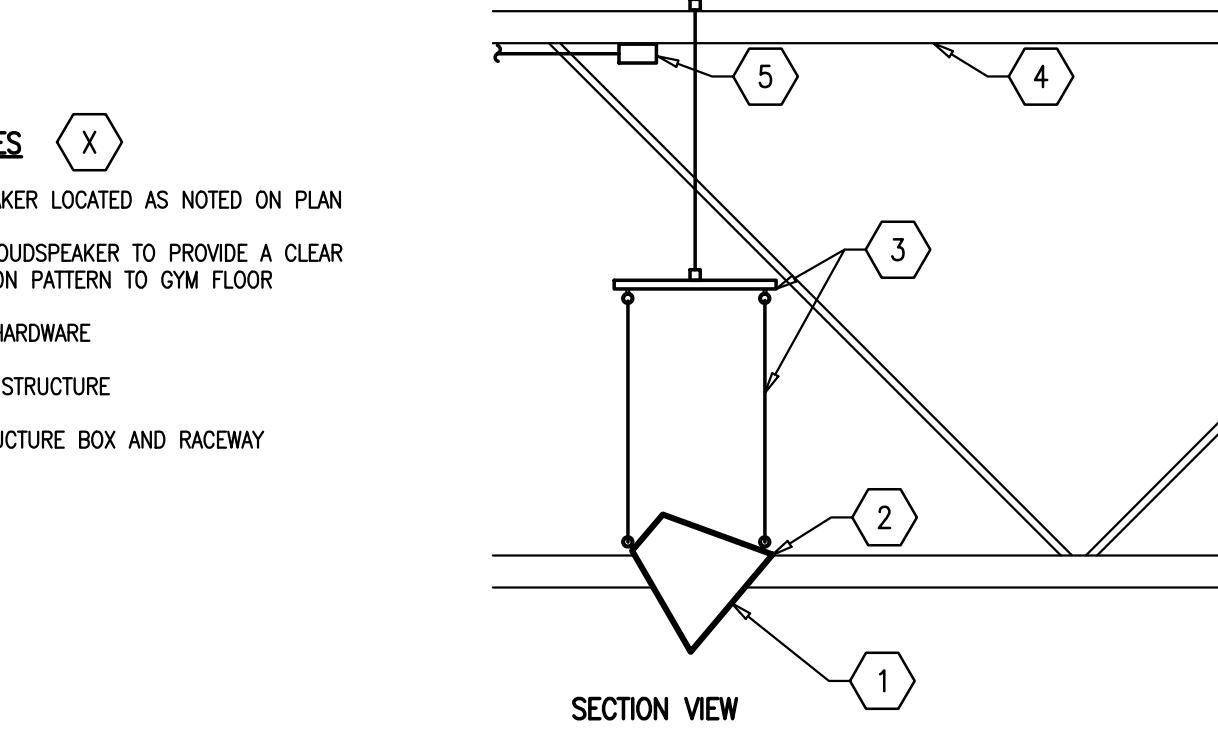
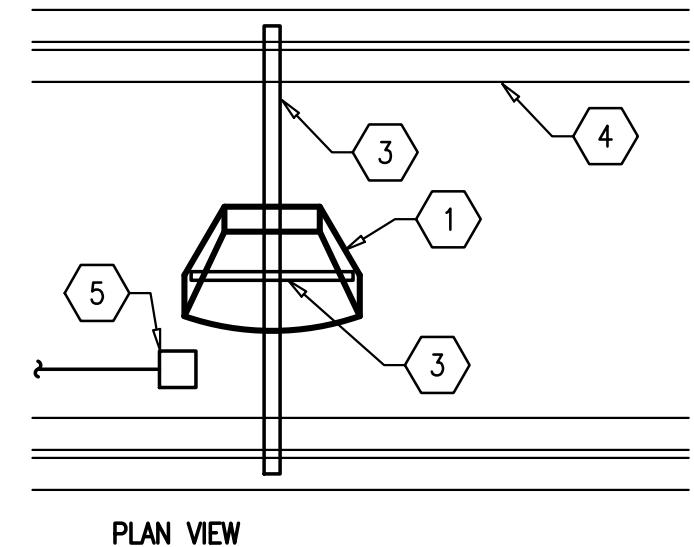
1. ISOLATED AND INSULATED #6 CU SUPPLEMENTAL GROUNDING CONDUCTOR TO THE AV EQUIPMENT RACK. THE CONDUCTOR TO BE CONNECTED TO THE BUILDING GROUND AND TO THE EQUIPMENT RACK GROUNDING LUG.
2. FIRE ALARM OVERRIDE - DRY CONTACT CLOSURE INPUT TO AV EQUIPMENT RACK, TO TERMINATE ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
3. BUILDING PAGING SYSTEM INPUT - PROVIDE 70V SPEAKER LEVEL SIGNAL INTO AV EQUIPMENT RACK. TERMINATE SIGNAL ON CONNECTOR BLOCK AT REAR OF RACK. AV CONTRACTOR TO EXTEND SIGNAL TO AV EQUIPMENT.
4. LOUDSPEAKERS CENTERED BETWEEN DOUBLE TEE STRUCTURE (TYPICAL)
5. RACEWAY DOWN TO EQUIPMENT RACK BELOW
6. RACEWAY STUB TO ABOVE ACCESSIBLE CORRIDOR CEILING



21 DETAIL - EQUIPMENT RACK



22 DETAIL - BLEACHER CONNECTIVITY

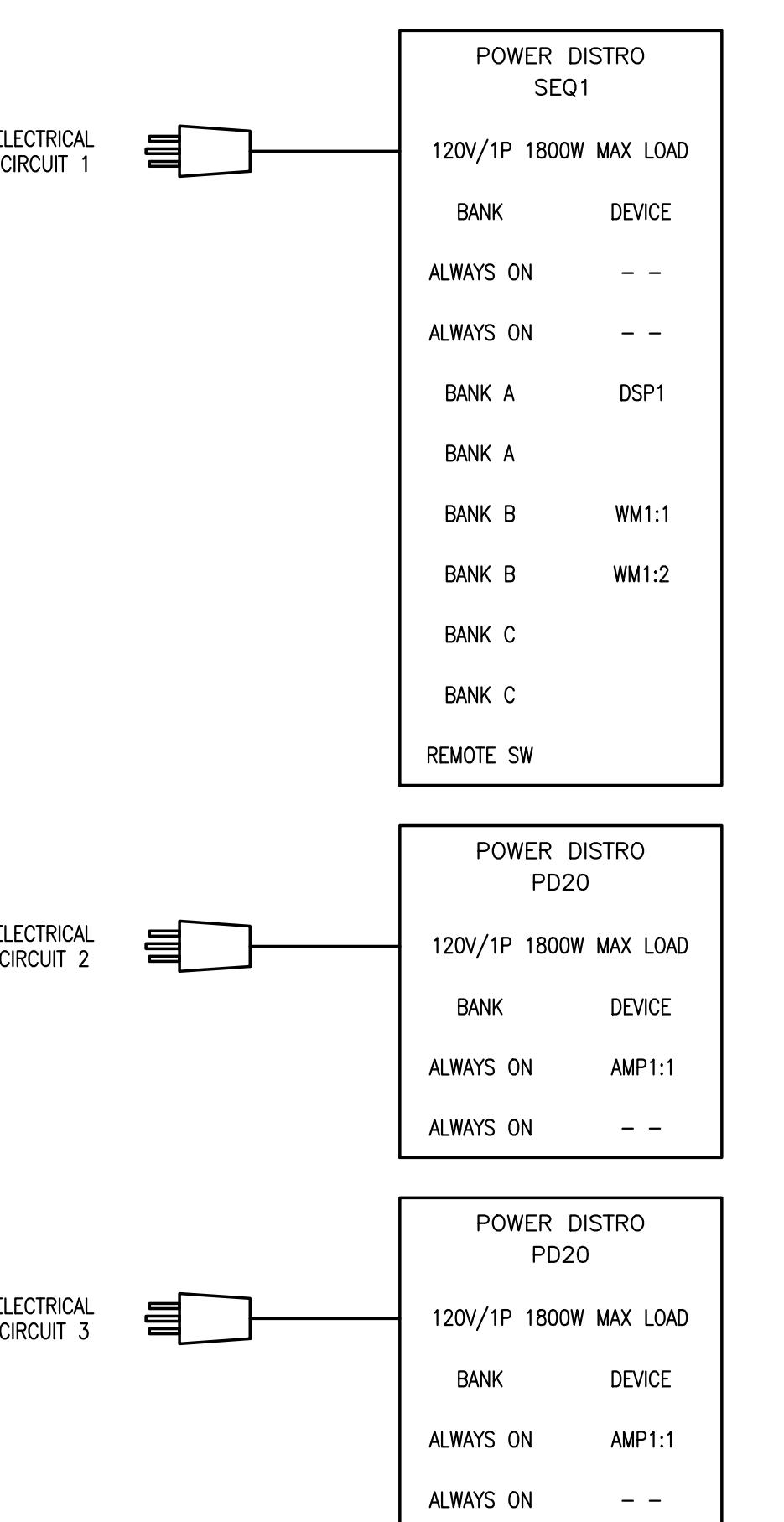


23 DETAIL - LOUDSPEAKER RIGGING

SCALE: 1/2"=1'-0"

No. Description Date

(XX) AV POWER AND HEAT LOADS - GYMNASIUM							
TAG	DESCRIPTION	VOLT/PH	ELECTRICAL LOAD	POWER CONNECTION TYPE	DEDICATED CIRCUIT	THERMAL DISSIPATION (BTU/HR)	NOTES
EQUIPMENT RACK ER1							
E1	AUDIO PROCESSOR	120V/1P	100W	5-15R	Y	320	--
	AMPLIFIER	120V/1P	1200W	5-15R	Y	110	--
	AMPLIFIER	120V/1P	1200W	5-15R	Y	3700	--
	TOTALS		2500W			3700	--
E2	CONVENIENCE RECEPTACLE	120V/1P	360W	5-15R	N	--	--

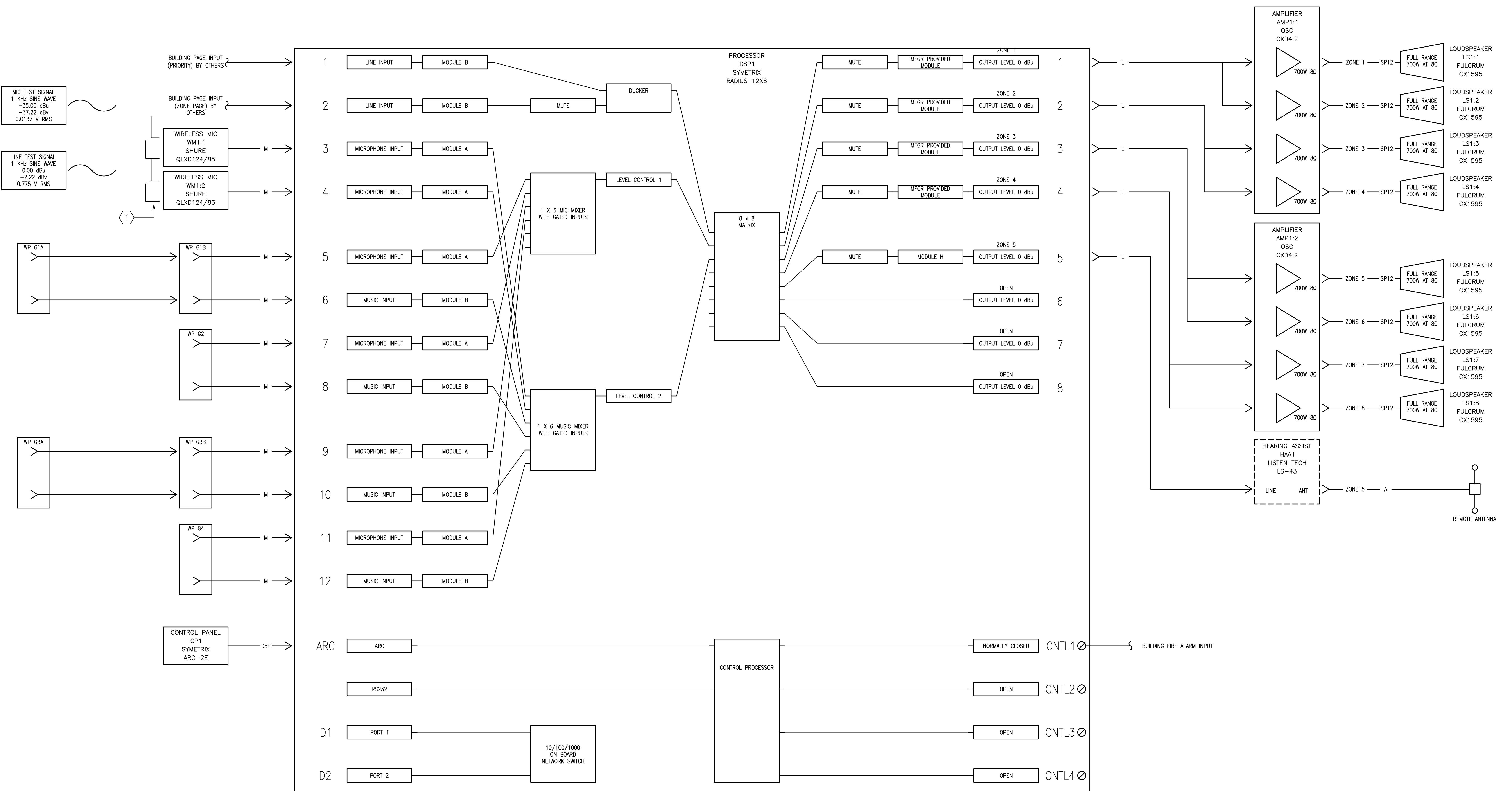


LOOSE EQUIPMENT SCHEDULE					
QTY	DESCRIPTION	MFGR	MODEL NO	NOTES	
MICROPHONES					
2	HAND HELD MICROPHONE	SHURE	SM58	WITH ZIPPER CASE AND STAND ADAPTOR	
CORDS					
4	MICROPHONE CORD - 25 FT (XLR3M TO XLR3F)	WHIRLWIND	MK425	--	
1	POWER CORD - 25 FT BLACK	TBD	TBD	--	
STANDS					
2	FLOOR MIC STAND WITH FIXED BOOM	ULTIMATE	PRO-T-F	--	
2	TABLE TOP MIC STAND	ULTIMATE	JS-MMS1	--	
ACCESSORIES					
2	CONSUMER TO PRO INTERFACE	RAPCO	LTI BLOX	STEREO TO MIC LEVEL WITH VOLUME CONTROL	

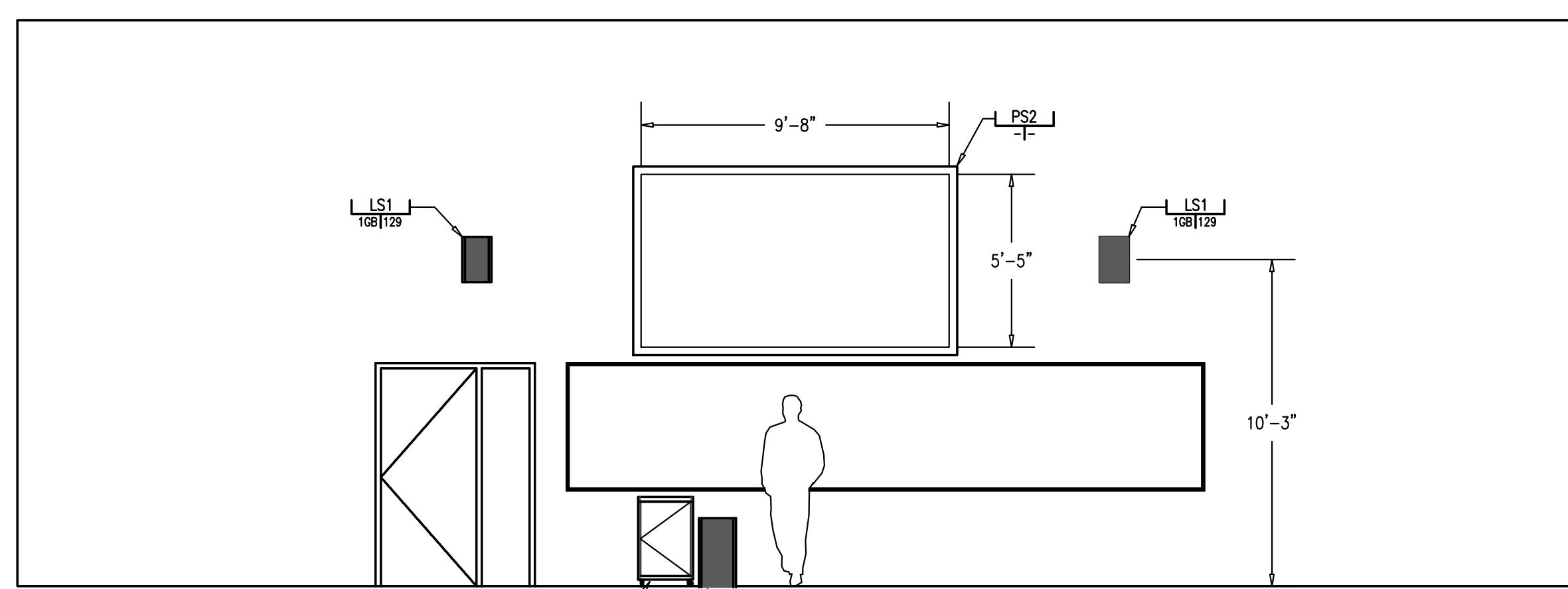
PLATE SCHEDULE								
ID	LOCATION	TYPE	SIZE	MOUNTING	SIZE	FINISH	CONNECTIVITY	LABEL
G1A	NORTH BLEACHER	GB	2 GANG	FLUSH IN BLEACHER BASE	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC
G1B	NORTH WALL	GB	2 GANG	FLUSH	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC
G2	EAST WALL	GB	2 GANG	FLUSH	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC
G3A	SOUTH BLEACHER	GB	2 GANG	FLUSH IN BLEACHER BASE	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC
G3B	SOUTH WALL	GB	2 GANG	FLUSH	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC
G4	WEST WALL	GB	2 GANG	FLUSH	2 GANG	SILVER	1 - XLR3F 1 - XLR3F	MIC MUSIC

1 POWER DISTRIBUTION SCHEMATIC

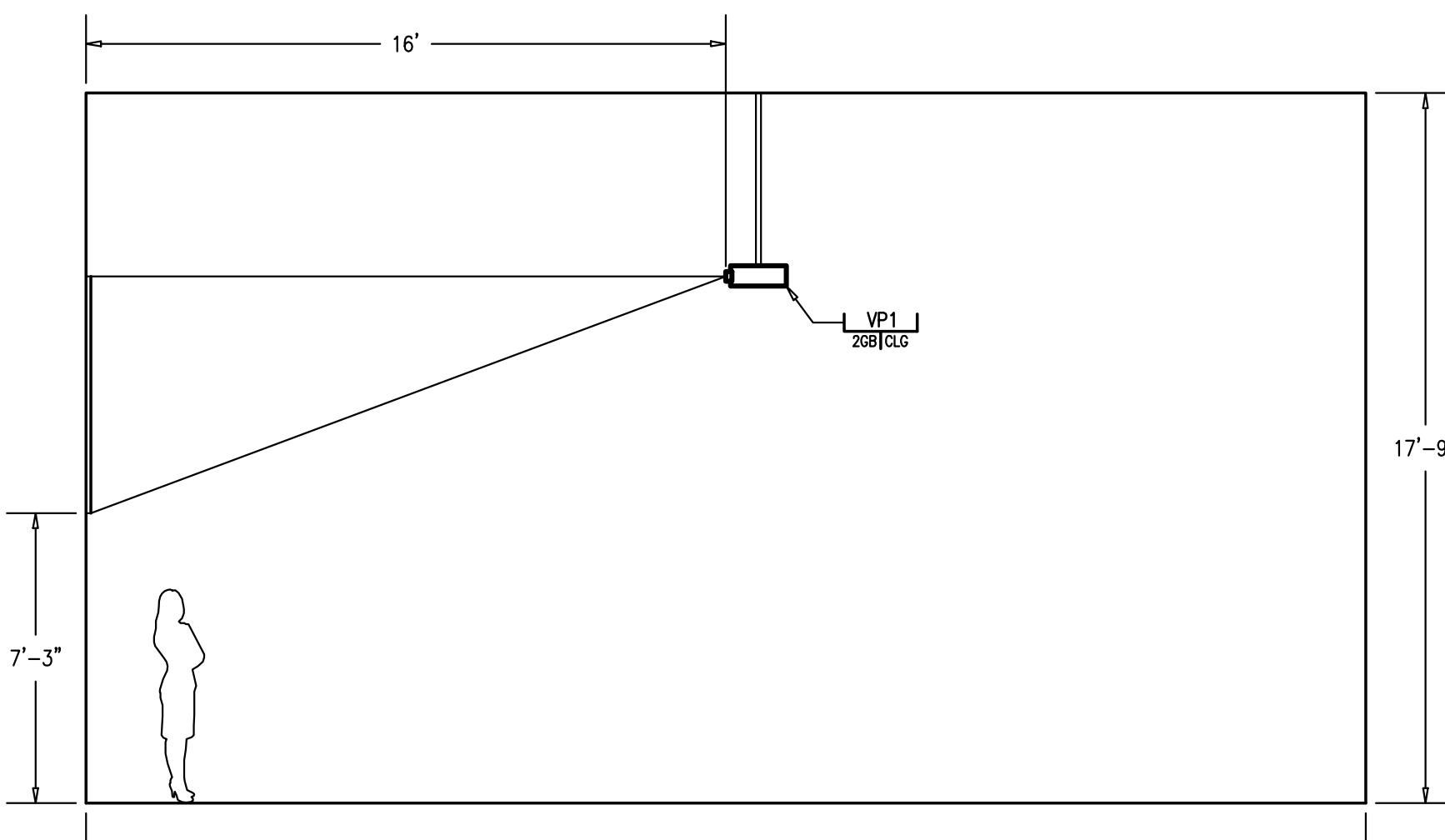
NO SCALE



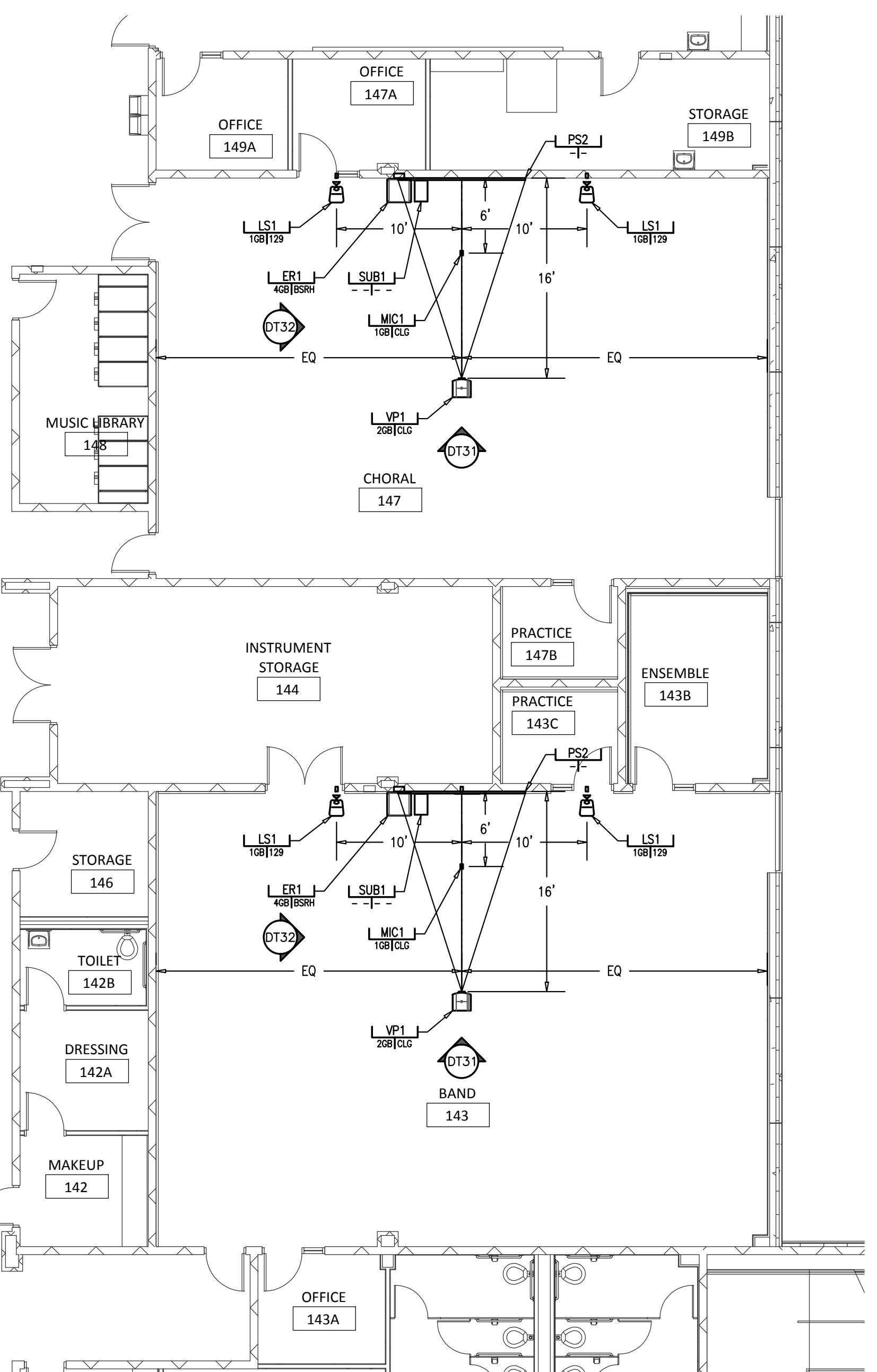
MODULE DEFINITIONS	PROCESSING DETAILS	CONTROL PANEL SETTINGS	PROCESSOR CONTROL ITEMS	AV RISER NOTES
MODULE A DETAIL - MIC INPUT	MIC INPUT PROCESSING: GAIN TO 0 dBu, HPF LR24 AT 100Hz, LPF LR6 AT 16 kHz, 3 BAND PARA EQ, COMPRESSOR. RMS METER.	MATRIX ASSIGNMENTS: An 8x8 matrix grid showing connections between 12 inputs and 8 outputs.	LABEL OPERATION OVERALL LEVEL CONTROL ZONES 1, 2 AND 3 ACTIVE WIRELESS MIC 1 LEVEL CONTROL +6 -12 dBu MIC MIXER LEVEL CONTROL WIRELESS MIC 2 LEVEL CONTROL +6 -12 dBu MIC MIXER LEVEL CONTROL FLOOR SPKRS ONLY ZONES 1 AND 2 ACTIVE END BLEACHERS ONLY ZONE 3 AND 4 ACTIVE STAGE CONFIG ZONES 1, 2 AND 3 ACTIVE BUILDING ZONE PAGE MUTED MUTE BUILDING PAGE FOR 4 HOURS/UN-MUTE AFTER THAT TIME BUILDING ZONE PAGE UN-MUTED UN-MUTE BUILDING PAGE	LABEL OPERATION FIRE ALARM OVERRIDE UPON DEACTIVATION OF FIRE ALARM SIGNAL, MUTE ALL OUTPUT ZONES
MODULE B DETAIL - LINE INPUT	LINE INPUT PROCESSING: GAIN TO 0 dBu, HPF LR24 AT 25Hz, LPF LR6 AT 16 kHz, 3 BAND PARA EQ, COMPRESSOR. RMS METER.			1. WIRELESS MICROPHONE ANTENNAS LOCATED ON SIDES OF WALL RACK
MODULE H DETAIL - HEARING ASSIST OUTPUT	HEARING ASSIST PROCESSING: HPF LR12 AT 150 Hz, LPF LR6 AT 10 kHz, COMPRESSOR, RMS METER.			



DT31 MUSIC ROOM ELEVATION - AV SYSTEMS



DT32 MUSIC ROOM SECTION - AV SYSTEMS



1 FIRST FLOOR PLAN - AUDIO VISUAL SYSTEMS

AV PLAN SYMBOLS

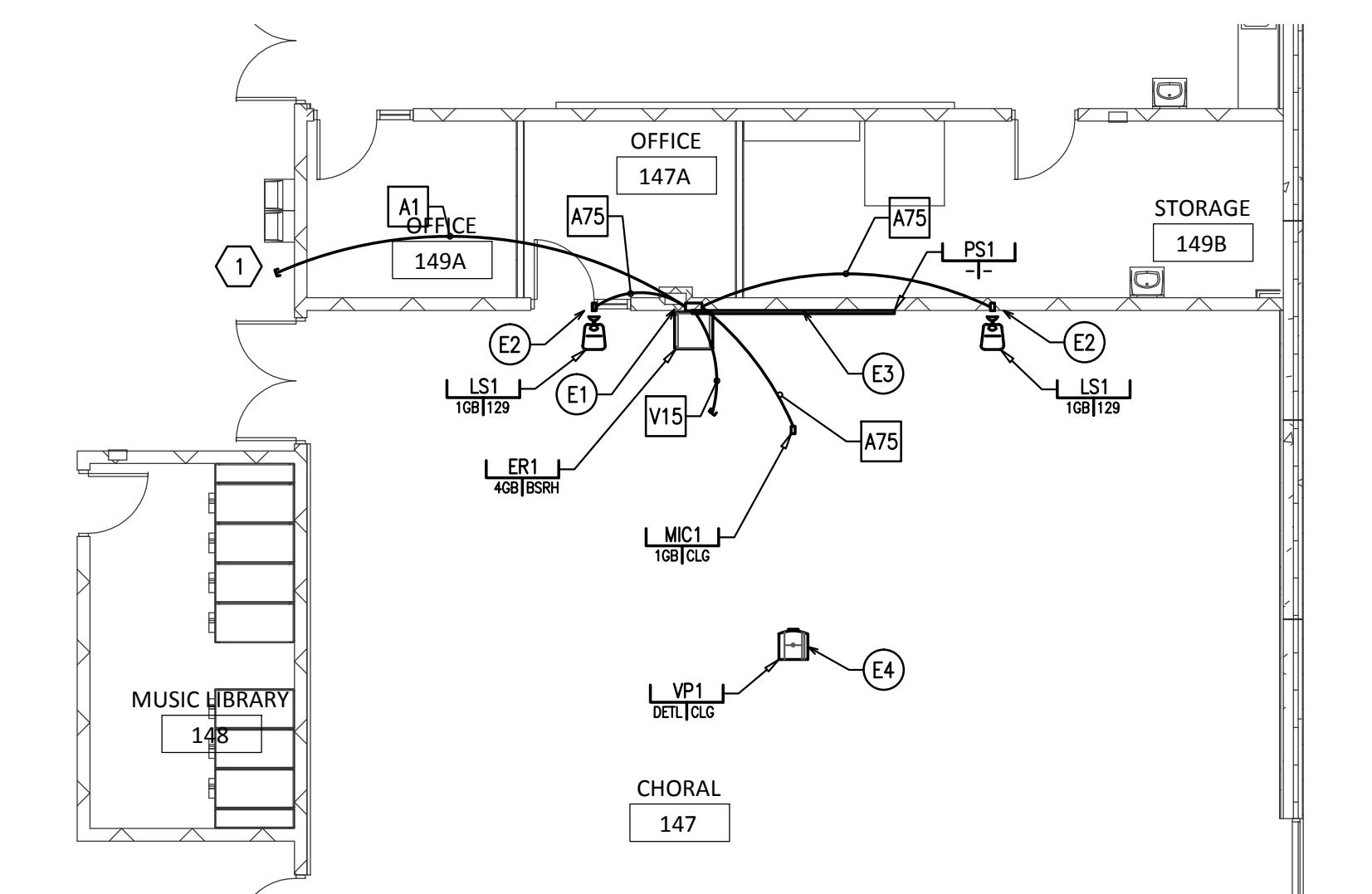
- AV DEVICE – IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK PORTABLE TYPE
- LOUDSPEAKER – WALL MOUNTED
- ROUGH INHOLE DEVICE TAG

DEVICE AND EQUIPMENT LEGEND

- ER1 EQUIPMENT RACK
- LS1 LOUDSPEAKER (WALL TYPE)
- SUB1 SUBWOOFER
- VP1 VIDEO PROJECTOR
- MIC CEILING WALL PLATE

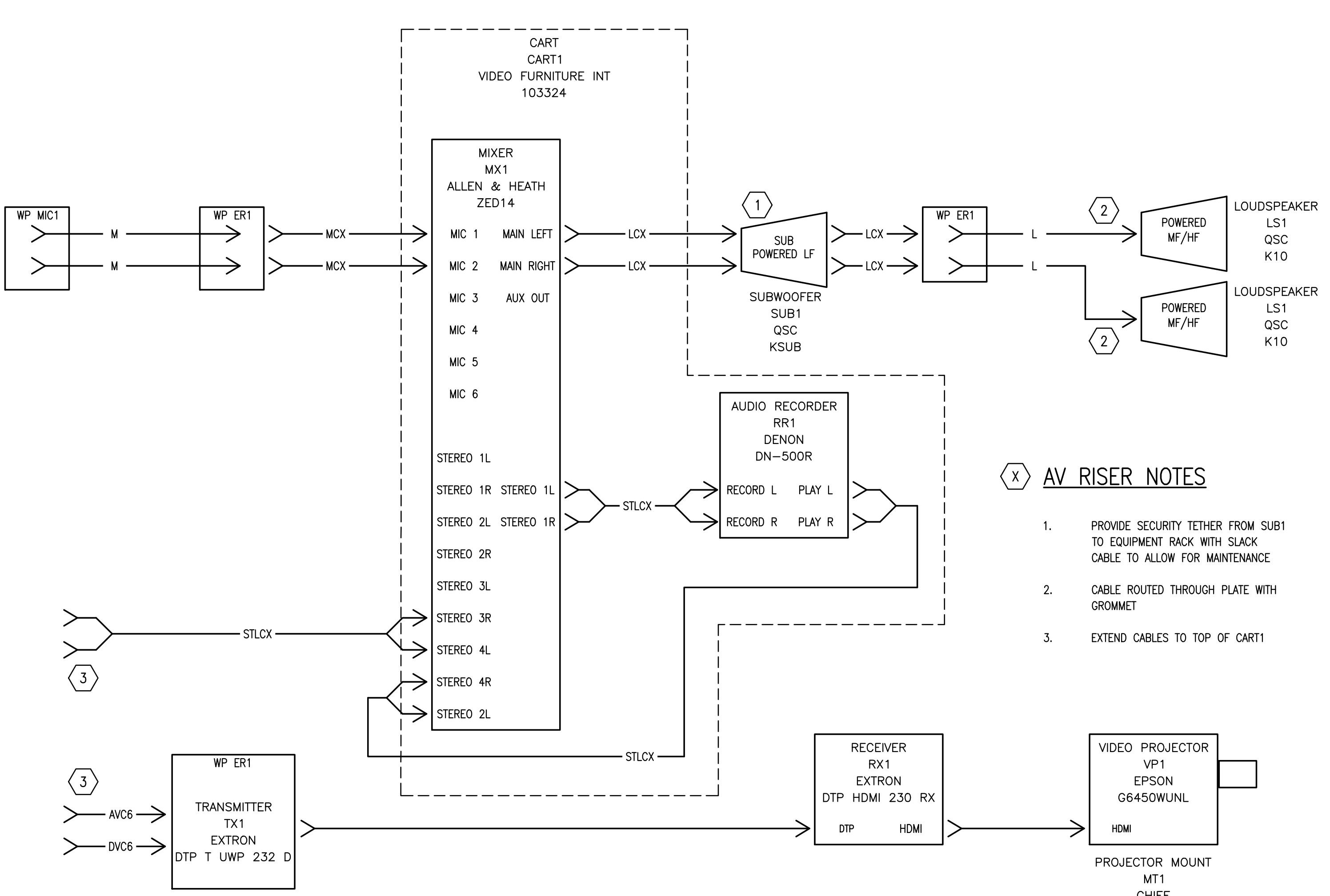
AV INFRASTRUCTURE NOTES

- RACEWAY STUBBED TO ABOVE ACCESSIBLE CEILING



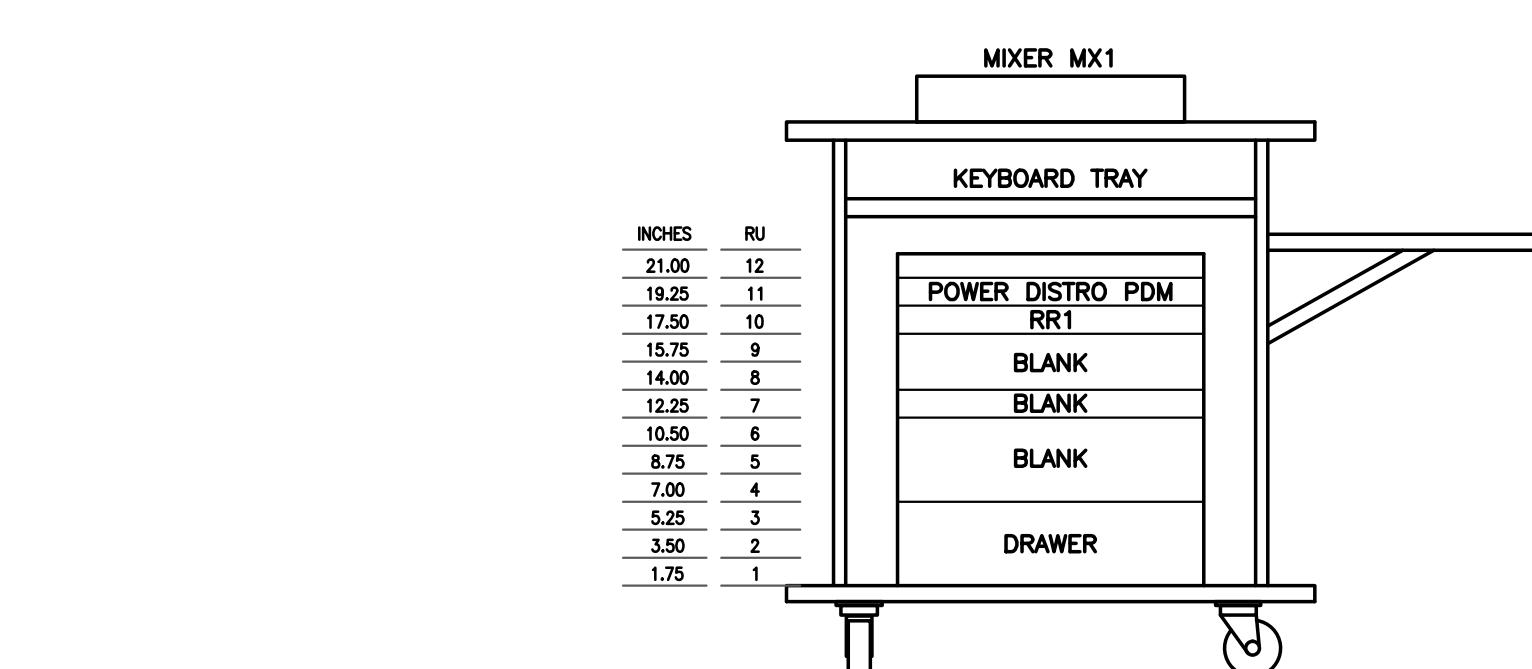
2 FIRST FLOOR PLAN - AUDIO VISUAL INFRASTRUCTURE

LOOSE EQUIPMENT SCHEDULE				
QTY	DESCRIPTION	MFGR	MODEL NO	NOTES
MICROPHONES				
2	HAND HELD MICROPHONE	SHURE	SM58	WITH ZIPPER CASE AND STAND ADAPTOR
1	CEILING MICROPHONE	AUDIO TECHNICA	AT8022	PROVIDE STEREO CORD AND STRAIN RELIEF FOR CEILING SUSPENSION
3	MICROPHONE CORD - 25 FT (XLR3M TO XLR3F)	WHIRLWIND	MK425	—
STANDS				
2	FLOOR MIC STAND WITH FIXED BOOM	ULTIMATE	PRO-T-F	—
ACCESSORIES				
1	DIRECT BOX	WHIRLWIND	PCDI	STEREO TO MIC LEVEL WITH VOLUME CONTROL



3 MUSIC ROOMS - SCHEMATIC DIAGRAM

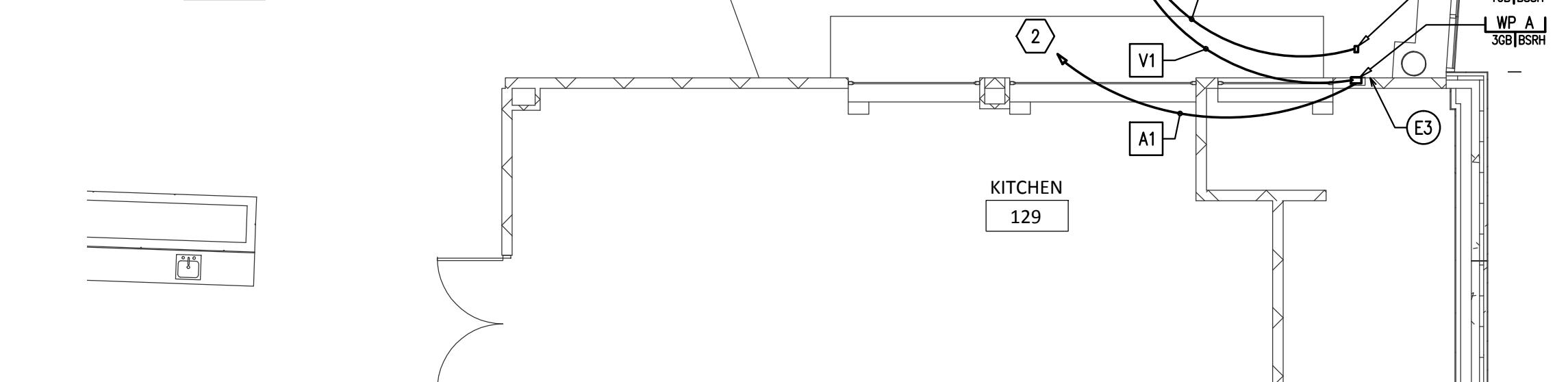
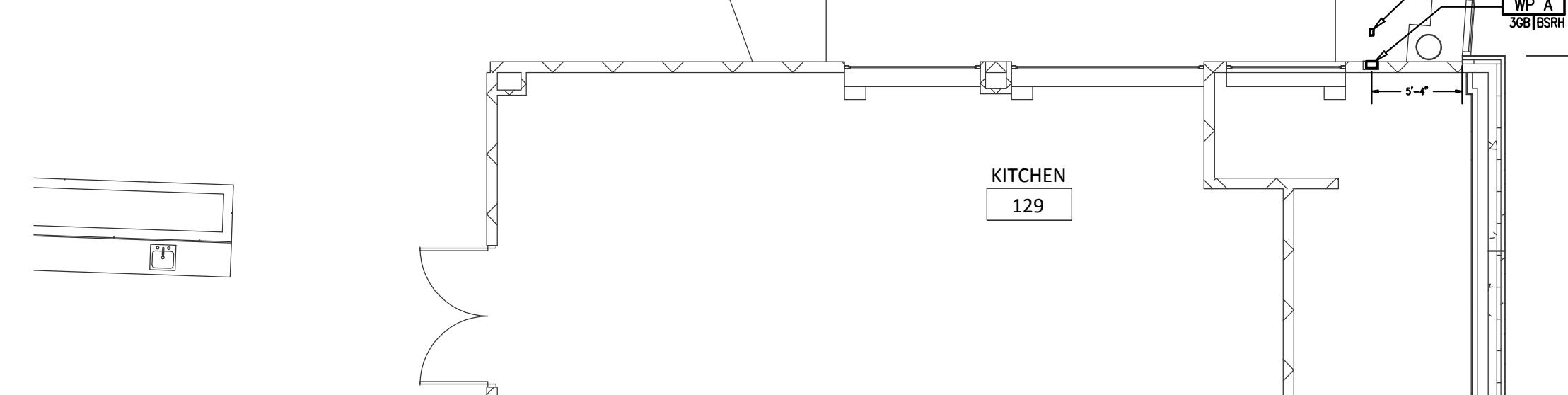
AV POWER AND HEAT LOADS						
TAG	DESCRIPTION	VOLT/PH	ELECTRICAL LOAD	POWER CONNECTION TYPE	DEDICATED CIRCUIT	NOTES
EQUIPMENT RACK ER1						
E1	PROCESSING	120V/1P	900W	5-15R	Y	1000
E2	POWERED LOUDSPEAKER LS1	120V/1P	250W	5-15R	Y	--
E3	SUBWOOFER SUB1	120V/1P	300W	5-15R	Y	--
E4	VIDEO PROJECTOR	120V/1P	750W	5-15R	N	--



4 MUSIC ROOM EQUIPMENT RACK ELEVATION

PLATE SCHEDULE							
BACK BOX				COVER PLATE			
ID	LOCATION	TYPE	SIZE	MOUNTING	SIZE	FINISH	CONNECTIVITY
ER1	AT RACK	GB	4 GANG	FLUSH	4 GANG	SILVER	1 - XLR3M 1 - XLR3M 1 - TRS 1 - TRS 2 - DECORA OPENINGS CLG MIC L CLG MIC R SPEAKER L SPEAKER R -- EXTRON TX1 TO OCCUPY 2-DECORA OPENINGS
MIC1	CEILING	GB	2 GANG	FLUSH	2 GANG	SILVER	1 - XLR3F 1 - XLR3F MIC L MIC R --
LS1	LOUDSPEAKERS	GB	1 GANG	FLUSH	1 GANG	SILVER	GROMMET FOR LINE CABLE QTY OF 2

DT41 COMMONS ELEVATION - AV SYSTEMS



DT42 COMMONS SECTION - AV SYSTEMS

AV PLAN SYMBOLS

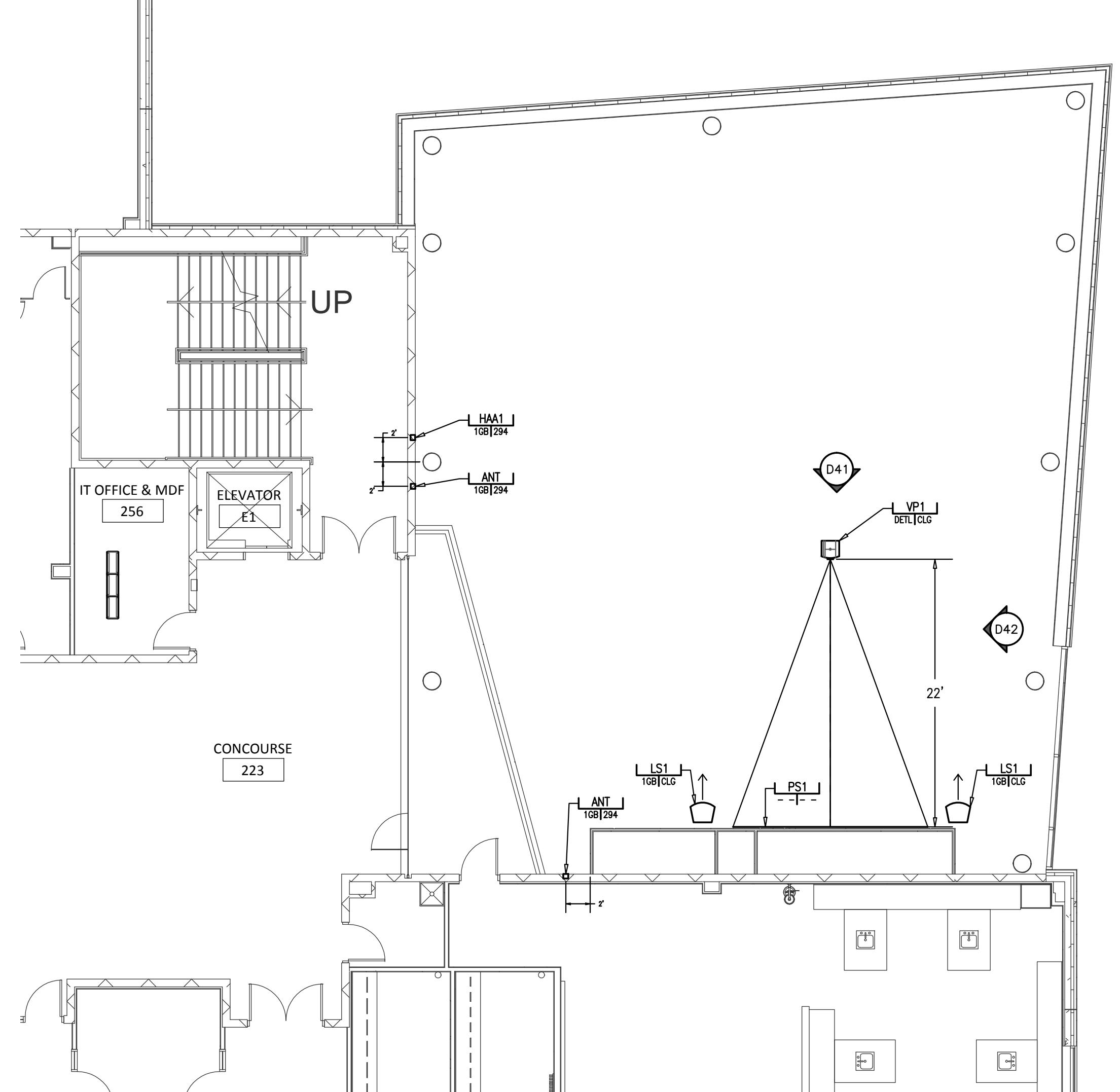
- AV DEVICE – IDENTIFIED WITH DEVICE TAG
- EQUIPMENT RACK (WALL MOUNTED TYPE)
- LOUDSPEAKER – IDENTIFIED WITH DEVICE TAG
- VIDEO PROJECTOR
- DEVICE TAG

DEVICE AND EQUIPMENT LEGEND

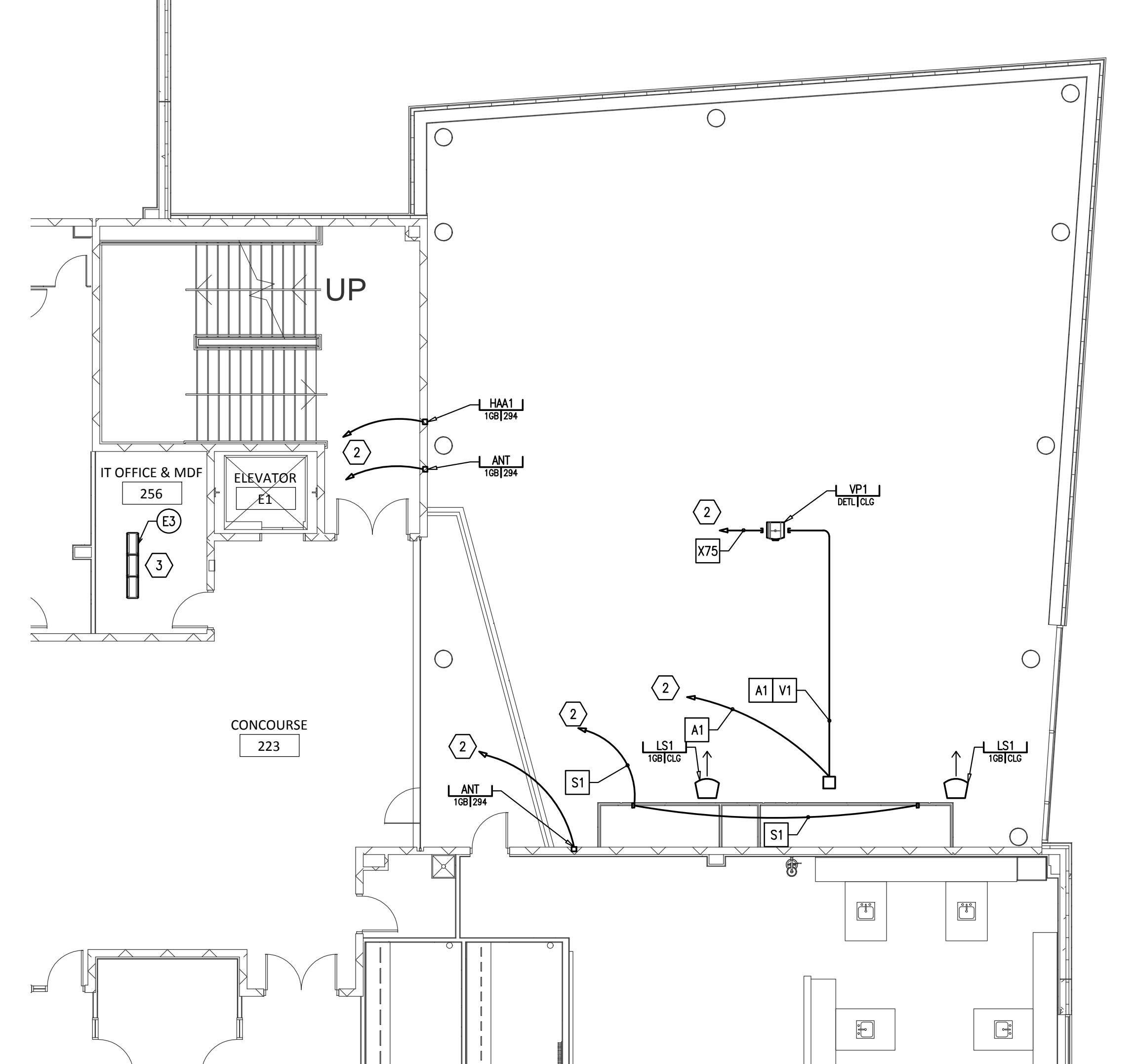
CPI CONTROL PANEL
LS1 LOUDSPEAKER
PS1 PROJECTION SCREEN
SUB1 SUBWOOFER
VP1 VIDEO PROJECTOR
WPXXX WALL PLATE – REFER TO SCHEMATIC DIAGRAM AND PLATE DETAILS

DATA RACK BY OTHERS	
INCHES	RU
87.00	44
85.25	43
83.50	42
81.75	41
80.00	40
78.25	39
76.50	38
74.75	37
73.00	36
71.25	35
69.50	34
67.75	33
66.00	32
54.25	31
52.50	30
50.75	29
49.00	28
47.25	27
45.50	26
43.75	25
42.00	24
40.25	23
38.50	22
36.75	21
35.00	20
33.25	19
31.50	18
29.75	17
28.00	16
26.25	15
24.50	14
22.75	13
21.00	12
19.25	11
17.50	10
15.75	9
14.00	8
12.25	7
10.50	6
8.75	5
7.00	4
5.25	3
3.50	2
1.75	1

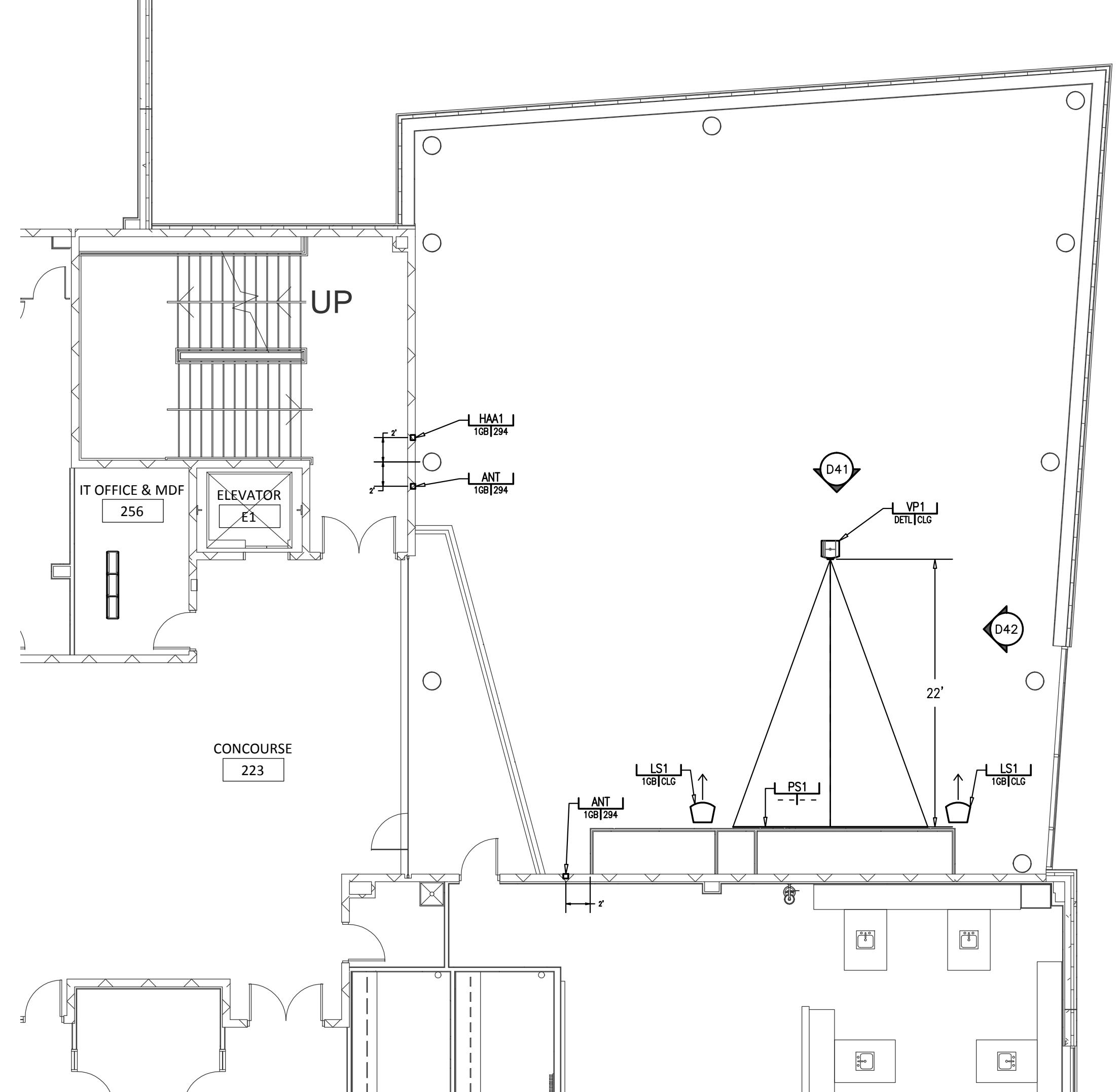
1 LOWER LEVEL PLAN - AUDIO VISUAL SYSTEMS



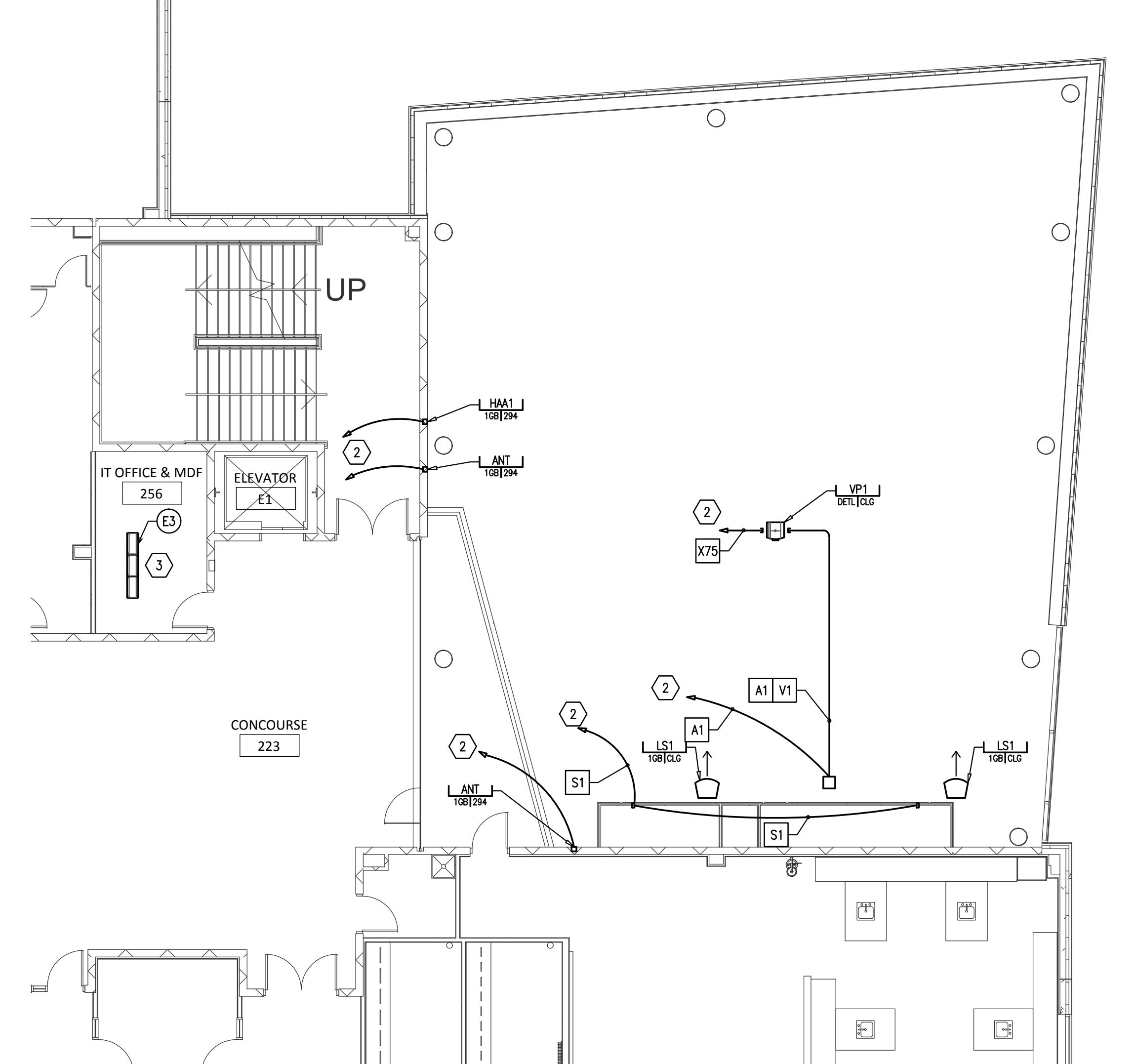
3 LOWER LEVEL PLAN - INFRASTRUCTURE



2 MAIN LEVEL PLAN - AUDIO VISUAL SYSTEMS

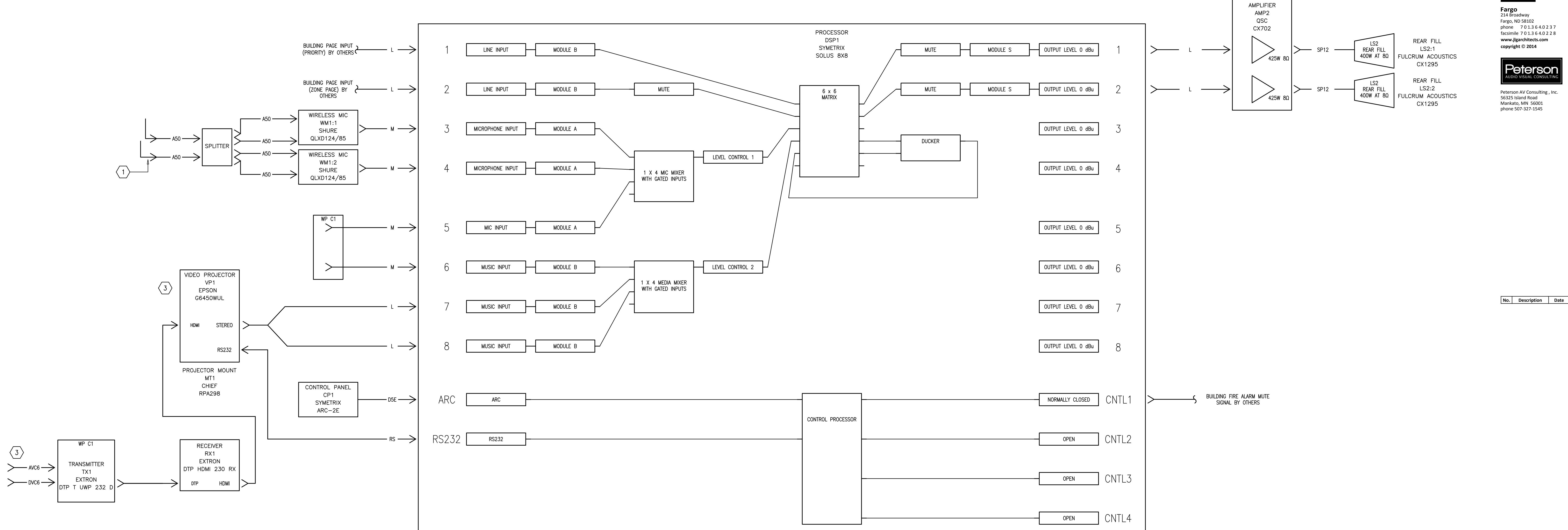


4 MAIN LEVEL PLAN - INFRASTRUCTURE



5 RACK ELEVATION

AV POWER AND HEAT LOADS							
TAG	DESCRIPTION	VOLT/PH	ELECTRICAL LOAD	POWER CONNECTION TYPE	DEDICATED CIRCUIT	THERMAL DISSIPATION (BTU/HR)	NOTES
EQUIPMENT RACK ER1							
E1	VIDEO PROJECTOR	120V/1P	750W	5-15R	N	--	
E2	POWERED LOUDSPEAKER LS1	120V/1P	250W	5-15R	Y	--	
E3	CONVENIENCE RECEPT (2)	120V/1P	360W	(2) 5-15R	N	--	



MODULE DEFINITIONS		PROCESSING DETAILS		CONTROL PANEL SETTINGS		PROCESSOR CONTROL ITEMS		AV RISER NOTES	
MODULE A DETAIL - MIC INPUT		MATRIX ASSIGNMENTS		LABEL		ITEM		1. WIRELESS MICROPHONE ANTENNAS REMOTE MOUNTED, PROVIDE PLATE AT EACH REMOTE LOCATION	
<pre>GAIN TO 0 dB → HPF LR24 AT 100Hz → LPF LR6 AT 16 kHz → 3 BAND PARA EQ → COMPRESSOR</pre> RMS METER		8x8 MATRIX		WIRELESS MIC 1 LEVEL CONTROL		FIRE ALARM OVERRIDE		2. CABLE ROUTED THROUGH PLATE WITH GROMMET	
MODULE B DETAIL - LINE INPUT		<pre>GAIN TO 0 dB → HPF LR24 AT 25Hz → LPF LR6 AT 16 kHz → 3 BAND PARA EQ → COMPRESSOR</pre> RMS METER		WIRELESS MIC 2 LEVEL CONTROL		PAGING LOGIC			
MODULE H DETAIL - HEARING ASSIST OUTPUT		<pre>HPF LR12 AT 150 Hz → LPF LR6 AT 10 kHz → COMPRESSOR → RMS METER</pre>		MEDIA LEVEL CONTROL		THE BUILDING ZONE PAGE CAN BE MUTED DURING AN EVENT. THE MUTE TO BE AUTOMATICALLY BE CLEARED AT THE END OF THE DAY.			
MODULE S DETAIL - LOUDSPEAKER PROCESSING		<pre>HPF LR12 AT 30 Hz → LPF LR6 AT 16 kHz → COMPRESSOR → 5 BAND PARA EQ → RMS METER</pre>		BUILDING ZONE PAGE MUTED		BUILDING ZONE PAGE UN-MUTED			
				PROJECTOR ON/OFF		PROJECTOR SOURCE			

1 COMMONS - AUDIO VISUAL SYSTEM SCHEMATIC DIAGRAM

NO SCALE

LOOSE EQUIPMENT SCHEDULE				
QTY	DESCRIPTION	MFGR	MODEL NO	NOTES
MICROPHONES				
1	HAND HELD MICROPHONE	SHURE	SM58	WITH ZIPPER CASE AND STAND ADAPTOR
CORDS				
1	MICROPHONE CORD - 25 FT (XLR3M TO XLR3F)	WHIRLWIND	MK425	--
STANDS				
1	FLOOR MIC STAND WITH FIXED BOOM	ULTIMATE	PRO-T-F	--
ACCESSORIES				
1	CONSUMER TO PRO INTERFACE	RAPCO	LITIBLOX	STEREO TO MIC LEVEL WITH VOLUME CONTROL

PLATE SCHEDULE						
ID	LOCATION	TYPE	SIZE	MOUNTING	SIZE	FINISH
C1	SOUTH WALL	GB	3 GANG	FLUSH	3 GANG	MATCH ELEC
						1 - XLR3F 1 - XLR3F 2 - DECORA
LS	AT SPEAKERS AND SUB	GB	1 GANG	FLUSH	1 GANG	MATCH ELEC
						3/8" GROMMET
ANT	AS SHOWN	GB	1 GANG	FLUSH	1 GANG	MATCH ELEC
						1 - BND
						NONE
						QTY 2