


VISTA UNIFIED SCHOOL DISTRICT
MISSION VISTA HIGH SCHOOL



THEATER MODERNIZATION
AUDIO / VIDEO DESIGN

	PAC Engineering Gail M. Pineda (714) 313-2622 info@pacengineering.tv www.PACEngineering.tv		REVIEWED AND APPROVED BY		TRADE SECRET NOTICE: This paper, all information disclosed and the matter shown and described hereon or herewith are proprietary to PAC Engineering. These plans and specifications are for the sole use of PAC Engineering, and may not be used by any other unauthorized party. Such unauthorized use would be a violation of federal law.	WIRE NUMBER SERIES:	Drafter: G. PINEDA	Created Date: 8.30.2024	Prepared For: VISTA UNIFIED SCHOOL DISTRICT MISSION VISTA HIGH SCHOOL	Dwg Title: MISSION VISTA HIGH SCHOOL THEATER MODERNIZATION COVER	Rev Level: Rev Date: Drawing No.: MV-100 Sheet of							
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Dwg File: SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER																		

IMPORTANT INFORMATION:

- SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER.
- THE MASTER ALONG WITH THE DRAWINGS/PLANS DESCRIBES THE LOGICAL DESIGN, INSTALLATION, WIRING, INTEGRATION OF EXISTING AND NEW EQUIPMENT, TESTING AND DOCUMENTATION OF THE AUDIO/VIDEO SYSTEM.
- AUDIO/VIDEO CONTRACTOR MUST FOLLOW ALL DOCUMENTS FOR DESIGN. FAILURE TO FOLLOW WILL RESULT IN INACCURATE BID PROPOSAL AND A COMPLETE INSTALLATION.

GENERAL NOTES:

- ALL EQUIPMENT SHALL BE INSTALLED AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED BRACKETS AND HARDWARE TO INSTALL THE EQUIPMENT AS SPECIFIED, RECOMMENDED AND/OR REQUIRED BY THE MANUFACTURER AND CONTRACT DRAWINGS.
- CONTRACTOR SHALL INSTALL CABLES IN A WAY TO MINIMIZE VISUAL IMPACT. CABLES SHALL BE PROPERLY SUPPORTED PER MANUFACTURER'S AND INDUSTRY STANDARDS.
- ALL WIRING SHALL BE INSTALLED ACCORDING TO THE LATEST REVISIONS OF NATIONAL AND LOCAL ELECTRICAL CODES.
- ALL CONDUCTORS MUST BE TESTED AND BE FREE OF ANY DEFECTS. WRITTEN DOCUMENTATION OF THIS TESTING SHALL BE SUBMITTED TO THE CUSTOMER. SEE "AV CONTINUITY TESTING PROCEDURE" FOR DETAILS.
- GROUNDING MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE. GROUND CONDUCTORS MUST BE #10 AWG SINGLE CONDUCTOR UNLESS OTHERWISE SPECIFIED BY THE CONTRACT DOCUMENTS OR LOCAL ELECTRICAL CODE.
- ALL RACK AND OTHER MOUNTED EQUIPMENT WILL MEET LOCAL AND STATE SEISMIC AND SAFETY REQUIREMENTS.
- CONTRACTOR IS TO INSTALL AND CONNECT ALL EQUIPMENT DESIGNATED AS "CFE" IN THE ATTACHED DRAWINGS.
- ALL VIDEO AND AUDIO INPUTS THAT ARE NOT SELF-TERMINATING MUST HAVE A PROPER TERMINATION INSTALLED. EVEN THOUGH THEY ARE NOT SPECIFIED ON THE BILL OF MATERIALS (BOM), CONTRACTOR SHALL PROVIDE THESE TERMINATIONS.

BRIEF SCOPE OF WORK:

- MISSION VISTA HIGH SCHOOL THEATER - AUDIO AND VIDEO MODERNIZATION PROJECT IS TO INCLUDE BOTH HARDWIRED AND WIRELESS MICROPHONES, AN RF ANTENNA SYSTEM, AN AUDIO MIXER WITH ASSOCIATED INTEGRATED AUDIO EQUIPMENT, A RACK, SPEAKERS, MONITORING SYSTEMS, AND AN INTEGRATED DISTRIBUTION SYSTEM.
- THE MANUFACTURERS INCLUDED IN THE A/V DESIGN ARE THE FOLLOWING BUT NOT LIMITED TO EXTRON, BEHRINGER, AUDIO TECHNICA, QSC AND LG,
- THE AUDIO/VIDEO CONTRACTOR MUST BE AN AUTHORIZED EXTRON RESELLER AND CERTIFIED TECHNICIAN.
- THE WORK AREAS FOR THIS PROJECT INCLUDE THEATER, CONTROL ROOM, STAGE, THE DRAMA TECH AND DRAMA CLASSROOMS.
- SIGNAL TYPES INCLUDE, AUDIO, VIDEO, NETWORK AND ELECTRICAL.
- COMPLETE SCOPE OF WORK SHALL BE FOUND IN SPECIFICATION SECTION 27.41.00 - AUDIO/VIDEO SYSTEM. IT IS THE MASTER AND THE A/V CONTRACTOR SHOULD FOLLOW BOTH THE DRAWING PACKAGE AND THE SPECIFICATION FOR THIS PROJECT.

WIRING:

- ALL INSTALLATION WIRING SHALL BE NEAT AND ORDERLY WITH NO CROSS-OVER CABLES WITHIN A BUNDLE. WIRES SHALL RUN PARALLEL TO EACH OTHER.
- CONTRACTOR SHALL SEPARATE LOGICAL SIGNAL TYPES PROVIDING SEPARATION BETWEEN HIGH LEVEL AND LOW-LEVEL SIGNALS, (I.E.: MICROPHONE AUDIO AND LINE LEVEL AUDIO) BY A MINIMUM OF 4 INCHES WHERE POSSIBLE.
- CONTRACTOR SHALL CROSS ALL AC POWER AT 90 DEGREES WHERE POSSIBLE.
- CONTRACTOR SHALL TAKE CARE TO RELIEVE CABLES FROM STRESS AND TENSION. MAKE APPROPRIATE USE OF CABLE TIES, VELCRO TIES, TIE BASES, REAR RACK RAILS, ETC.
- CABLE TIES SHALL BE USED FOR MOST CABLE BUNDLING BUT SHOULD ONLY BE TIGHT ENOUGH TO HOLD THE CABLES IN POSITION. THEY SHOULD NEVER BE TIGHT ENOUGH TO LEAVE A PERMANENT INDENTATION IN THE CABLE JACKET.
- CONTRACTOR SHALL PROVIDE SERVICE LOOPS ON ALL EQUIPMENT THAT IS NOT REAR-RACK ACCESSIBLE OR HAS RACK SLIDES ASSOCIATED WITH THE INSTALLATION.
- TECH-FLEX STYLE BRAID SHALL BE USED WHERE PRACTICAL TO ENSURE A SMOOTH FLOW OF CABLES DRESSED FOR SERVICE LOOPS.
- CONTRACTOR SHALL PROVIDE STRAIN RELIEF FOR PIG-TAILS AND UMBILICAL'S USING BRAIDED FLEXIBLE CABLE SHEATHS SUCH AS TECH FLEX.
- CONTRACTOR SHALL AVOID SHARP BENDS IN CABLE, MAINTAINING THE MINIMUM BEND RADIUS ACCORDING TO THE CABLE MANUFACTURERS RECOMMENDATION.
- CONTRACTOR SHALL MAKE ALL CONNECTIONS TO SCREW TERMINALS WITH CRIMP ON INSULATED SPADE LUGS WHEREVER PRACTICAL.
- CRIMPED FERRULES SHALL BE USED ON INDIVIDUAL WIRES FOR ALL PHOENIX OR WECO STYLE SCREW/COMPRESSION CONNECTIONS UNLESS OTHERWISE SPECIFIED BY MANUFACTURER.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO ELIMINATE GROUND LOOPS, INDUCED HUM, JITTER, ELECTRICAL NOISE OR OTHER ELECTROMAGNETIC, ELECTROSTATIC OR COMMON MODE INTERFERENCES. CONTRACTOR SHALL PROVIDE ISOLATION OR MATCHING DEVICES AS NECESSARY.
- CONTRACTOR SHALL RUN SURFACE MOUNTED CABLE IN PANDUIT OR OTHER APPROVED DUCTING TO MAINTAIN A NEAT AND ORDERLY CABLE INFRASTRUCTURE AND TO PROVIDE MAXIMUM PROTECTION TO CABLES THAT WOULD OTHERWISE BE EXPOSED.
- CONTRACTOR SHALL GROUND AUDIO SHIELDS TYPICALLY ONLY AT ONE END PER MANUFACTURER'S RECOMMENDATION AND INDUSTRY STANDARDS.
- CONTRACTOR SHALL USE GROUND ISOLATORS WHERE UNUSUAL GROUND PROBLEMS EXIST.
- CONTRACTOR SHALL NOT USE GROUND LIFT ADAPTERS ANYWHERE IN THE AC ELECTRICAL SYSTEM.
- CONTRACTOR SHALL ESTABLISH A SINGLE PRIMARY GROUND FOR THE SYSTEM. USING THE SOLID ISOLATED GROUND BUSS BARS IN THE EQUIPMENT RACKS AS THE PRIMARY DISTRIBUTION OF THE TECHNICAL GROUND.
- CONTRACTOR SHALL ROUTE CABLES SO AS NOT TO ENCOUNTER ANY SHARP EDGE THAT MAY, OVER TIME, DUE TO VIBRATION OR CONTACT WITH THE CABLE, CAUSE AN ABRASION OR HOLE IN THE CABLE JACKET.
- CONTRACTOR SHALL FOLLOW THE STANDARDS FOR TELECOMMUNICATIONS WIRING IN CEILINGS. CABLES SHALL BE SUPPORTED USING CABLE HANGING DEVICES AS LOCAL BUILDING CODES REQUIRE.
- CONTRACTOR SHALL ENSURE CABLES ARE SECURED IN CLIPS AND THAT THE CLIPS ARE SECURED TO CEILING WIRES OR OTHER PERMANENT STRUCTURES.
- CONTRACTOR SHALL NOT HANG MORE CABLES THAN THE CLIP IS DESIGNED TO SUPPORT. FOR EXAMPLE, ATTACHING A WIRE BUNDLE TO A CLIP WITH A TIE WRAP.
- CONTRACTOR SHALL NOT HANG CLIPS ON OTHER TRADES' WIRES OR WIRES USED TO SECURE CEILING GRID, DUCTS OR ELECTRICAL BOXES. TO DO SO IS A VIOLATION OF BUILDING CODES.

CABLE DATABASE:

- CABLES PROVIDED IN TABLE ARE AN ESTIMATE.
- CONTRACTOR SHOULD VERIFY CABLE TYPE AND QUANTITY.

Drawing #	Video	DTP	Audio	Control	Network	TOTAL/DWVG
V-100	HD100-103	DTP100-104				9
V-101	HD200-210	DTP200-208		C100-105		26
A-100			A100-150			51
A-101			A200-226			27
A-102			A300-310			11
A-103			A400-441			42
A-104			A502-527			26
C-100				C200-201		2
N-100					N100-115	16
TOTAL/SIGNAL	15	14	157	8	16*	210

INSTALLATION:

- IDENTIFICATION SYSTEMS:
 - CONTRACTOR SHALL CLEARLY, LOGICALLY AND PERMANENTLY AFFIX CABLE LABELS TO EACH CABLE. ALL LABELS SHALL BE AFFIXED AT 4 INCHES FROM EACH TERMINATED CABLE END. THIS DISTANCE MAY BE ADJUSTED WHERE NEEDED, WHERE THE LABEL COULD NOT BE SEEN OTHERWISE.EACH CABLE LABEL SHALL INCLUDED SOURCE NAME, DESTINATION NAME AND WIRE NUMBER AT A MINIMUM.
 - BRADY OR TRITON-TYPE SELF-LAMINATING CABLES LABELS SHALL BE USED AT EACH CABLE END. LABELS SHALL HAVE A WRITE-ON AREA OF .5 INCHES HIGH BY 2 INCHES WIDE AT MINIMUM.
 - ALL INPUT/OUTPUT (I/O) WALL PANELS WILL BE CLEARLY LABELED WITH PERMANENT LABELING IDENTIFYING EACH SOURCE OR DESTINATION AS WELL AS THE NAME OF THE PANEL ITSELF.
 - P-TOUCH STYLE SELF-ADHESIVE LABELING SHALL BE USED ON EQUIPMENT TO INDICATE THE SYSTEM NAME FOR EACH DEVICE.
 - EQUIPMENT WITH MULTIPLE INPUTS SHALL HAVE A P-TOUCH STYLE LABEL PLACED EITHER ON THE EQUIPMENT ITSELF OR NEARBY ON A RACK TO INDICATE THE SOURCE OF EACH INPUT.
 - CONTRACTOR SHALL NOT AFFIX THEIR OWN COMPANY'S NAME TO ANY RACKS, OR ANY OTHER PARTS OF THE SYSTEM.
- CABLE TERMINATIONS AND PIN-OUTS:
 - XLR CONNECTORS SHALL USE PIN-2 AS "HOT", PIN-1 AS GROUND.
 - CONTRACTOR SHALL USE CABLE PIN-OUTS AS DESIGNATED BY THE MANUFACTURER OR CUSTOMER.
- EQUIPMENT MOUNTING:
 - ALL RACK MOUNTED EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS. RACK SCREWS SHALL BE 10-32 X 3/4 INCH BLACK OXIDE PHILIPS HEAD MACHINE SCREWS WITH INTEGRAL #10 FIBER WASHERS. MIDDLE ATLANTIC PART NUMBER HG OR EQUAL.
 - CONTRACTOR SHALL INSTALL ALL NON-RACK MOUNTED EQUIPMENT ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND FOLLOWING GENERALLY ACCEPTED INSTALLATION GUIDELINES.
 - EQUIPMENT THAT DOES NOT HAVE A SPECIFIC MOUNTING SOLUTION PROVIDED BY THE MANUFACTURER SHALL BE ADAPTED TO MAKE A SECURE AND SERVICEABLE MOUNTING SOLUTION. THIS WILL USUALLY BE MOUNTING TO A BLANK RACK PANEL OR SHELF, USING A VELCRO OR BOLT-AND-NUT MOUNTING CONFIGURATION. SELF-TAPPING TECH SCREWS MAY ALSO BE USED TO SECURE ITEMS TO RACK SHELVES OR BLANK RACK PANELS WHERE PRACTICAL.

AUDIO/VIDEO CONTINUITY TESTING PROCEDURE:

- ALL CABLES MUST BE TESTED FOR CONTINUITY ("COPPER TESTING") AFTER THE CONNECTORS HAVE BEEN INSTALLED ON BOTH ENDS. THIS INCLUDES CONTRACTOR MANUFACTURED CABLES, THOSE PROVIDED BY EQUIPMENT MANUFACTURES AND PREFABRICATED CABLES.
- THE CONTINUITY TEST WILL BE COMPREHENSIVE OF THE WIRE ITSELF AS WELL AS PROPER CONNECTOR INSTALLATION AND CONDUCTOR PIN-OUT.
- THE CONTINUITY TEST WILL USE CABLE TESTING DEVICES WHICH ARE SPECIFIC TO A CABLE OR SIGNAL TYPE.
- THE RESULT FOR EACH CABLE BE INDICATED BY A "PASS" OR "FAIL". A PASS WILL INDICATE THE WIRE AND CONNECTION ARE GOOD, AND THE INDIVIDUAL WIRES WITHIN THE CABLE ARE CONNECTED TO THE PROPER PINS AT EACH END.
- IN THE CASE WHERE A CABLE FAILS, CORRECTIVE ACTION MUST BE TAKEN AND THE CABLE RETESTED.
- ALL CABLES MUST PASS.
- THE TEST SHALL BE DOCUMENTED IN AN EXCEL WORKSHEET, WHICH WILL CONTAIN AT MINIMUM THE FOLLOWING COLUMN HEADINGS:
 - CABLE NUMBER (FROM DRAWINGS)
 - TEST RESULT (PASS OR FAIL)
 - DATE TESTED (MM/DD/YY)
 - ACTION (USED IF THE CABLE FAILED); WHAT ACTION WAS TAKEN TO CORRECT THE PROBLEM, THE DATE AND BY WHOM.
 - INITIALS OF PERSON CONDUCTING THE TEST. THE CONTRACTOR SHALL PROVIDE A LIST OF ALL TESTING PERSONNEL, INCLUDING NAME, INITIALS USED AND POSITION WITHIN THE COMPANY.
- THE COMPLETED TESTING DOCUMENT WILL BE GIVEN TO THE CUSTOMER FOR REVIEW AND WILL BECOME PART OF THE AS-BUILT DOCUMENTATION PACKAGE.

TESTING:

- UPON COMPLETION OF THE INSTALLATION OF THE SYSTEM, CONTRACTOR SHALL PERFORM CONTINUITY TEST OF ALL CABLES.
- DOCUMENT TEST RESULTS FOR REVIEW BY THE CUSTOMER.
- THE PROJECT DOES NOT INCLUDE COMPREHENSIVE COMMISSIONING OR SETUP BUT THE CONTRACTOR SHALL POWER UP ALL EQUIPMENT TO VERIFY AS BEST AS POSSIBLE THAT THE EQUIPMENT IS IN GOOD WORKING ORDER.
- THE PROJECT DOES NOT INCLUDE SYSTEM TRAINING, BUT CONTRACTOR SHALL FACILITATE ANY FACTORY TRAINING INCLUDED IN THE BILL OF MATERIALS (BOM).

PROJECT COMPLETION:

- THE CONTRACTOR SHALL NOTIFY THE CUSTOMER WHEN HE/SHE FEELS THAT THE WORK HAS BEEN COMPLETED. THE CUSTOMER WILL THEN SCHEDULE A SUBSTANTIAL PERFORMANCE REVIEW WITHIN SEVEN WORKING DAYS OF THIS NOTIFICATION.
- THIS REVIEW WILL INCLUDE AT A MINIMUM:
 - PHYSICAL INVENTORY OF ALL EQUIPMENT ON SITE.
 - DEMONSTRATION OF THE FUNCTIONALITY OF THE SYSTEM AND ALL EQUIPMENT.
 - SUBJECTIVE AND OBJECTIVE TESTING TO DETERMINE PERFORMANCE COMPLIANCE.
 - THE CONTRACTOR SHALL REMOVE AND RE-INSTALL ALL CONTRACTOR FURNISHED AND INSTALLED (CFCI) EQUIPMENT FOR REPAIRS, MODIFICATIONS AND ADJUSTMENTS TO SAID EQUIPMENT TO MEET THE FUNCTIONAL REQUIREMENTS AS SPECIFIED. FURTHER REVIEWS WILL BE RESCHEDULED WHEN ALL REPAIRS, MODIFICATIONS OR ADJUSTMENTS HAVE BEEN COMPLETED.
 - CONTRACTOR SHALL PROVIDE A COMPLETE SET OF ALL DOCUMENTATION, SOFTWARE, SPARE PARTS AND ANY OTHER ITEMS THAT ARE A PART OF EACH PIECE OF EQUIPMENT.
 - CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT DOCUMENTATION, INCLUDING UPDATED DRAWINGS, TEST RESULTS AND DATABASE.
 - CONTRACTOR SHALL COLLECT AND GIVE TO CUSTOMER ALL WARRANTY CARDS, INSTRUCTION MANUALS, SOFTWARE AND OTHER DOCUMENTATION PROVIDED BY EACH MANUFACTURER FOR EACH PIECE OF EQUIPMENT.
 - CONTRACTOR SHALL DOCUMENT ALL SERIAL NUMBERS AND INSTALL CUSTOMER'S ASSET TAGS AS DIRECTED BY CUSTOMER. ASSET TAGS SHALL BE INSTALLED ON THE BACK OR REAR OF THE EQUIPMENT.



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Engr:

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MISSION VISTA HIGH SCHOOL

Dwg File:

SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER

Dwg Title:

MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
GENERAL NOTES

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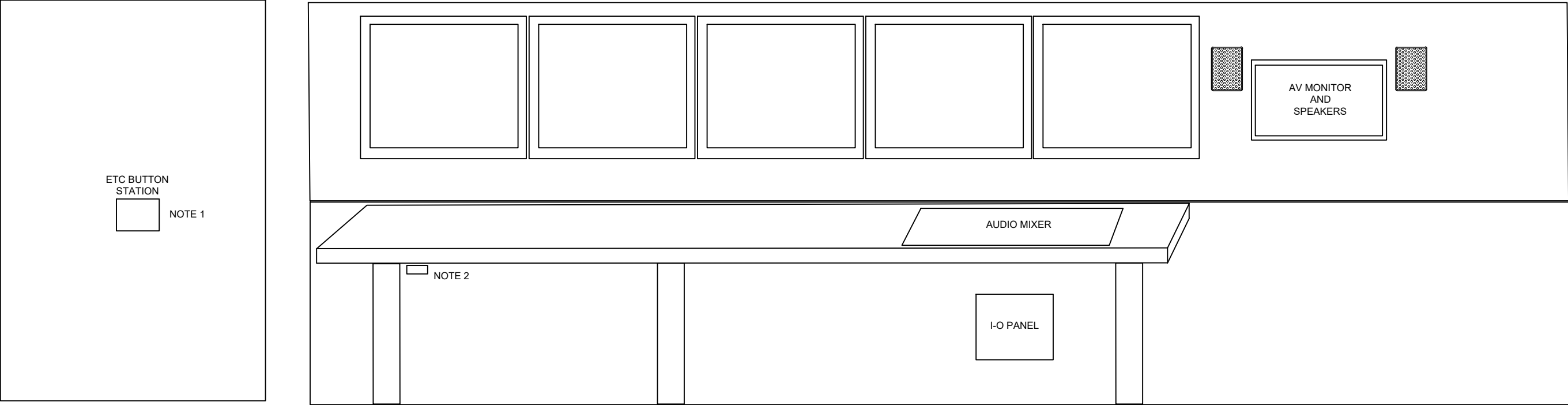
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of

VISTA UNIFIED SCHOOL DISTRICT
MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
LIGHTING DESIGN

CONTROL ROOM



- NOTES:
- 1. EXISTING UNISON LIGHTING LCD TOUCH SCREEN TO BE REPLACED BY BUTTON STATION AND CUSTOM COVER PLATE TO COVER ENTIRE OPENING.
 - 2. NEW LIGHTING TOUCH SCREEN WILL BE PORTABLE AND PLUG INTO ETC NET PORT UNDER CONTROL ROOM CONSOLE.
 - 3. NOT DRAWN TO SCALE



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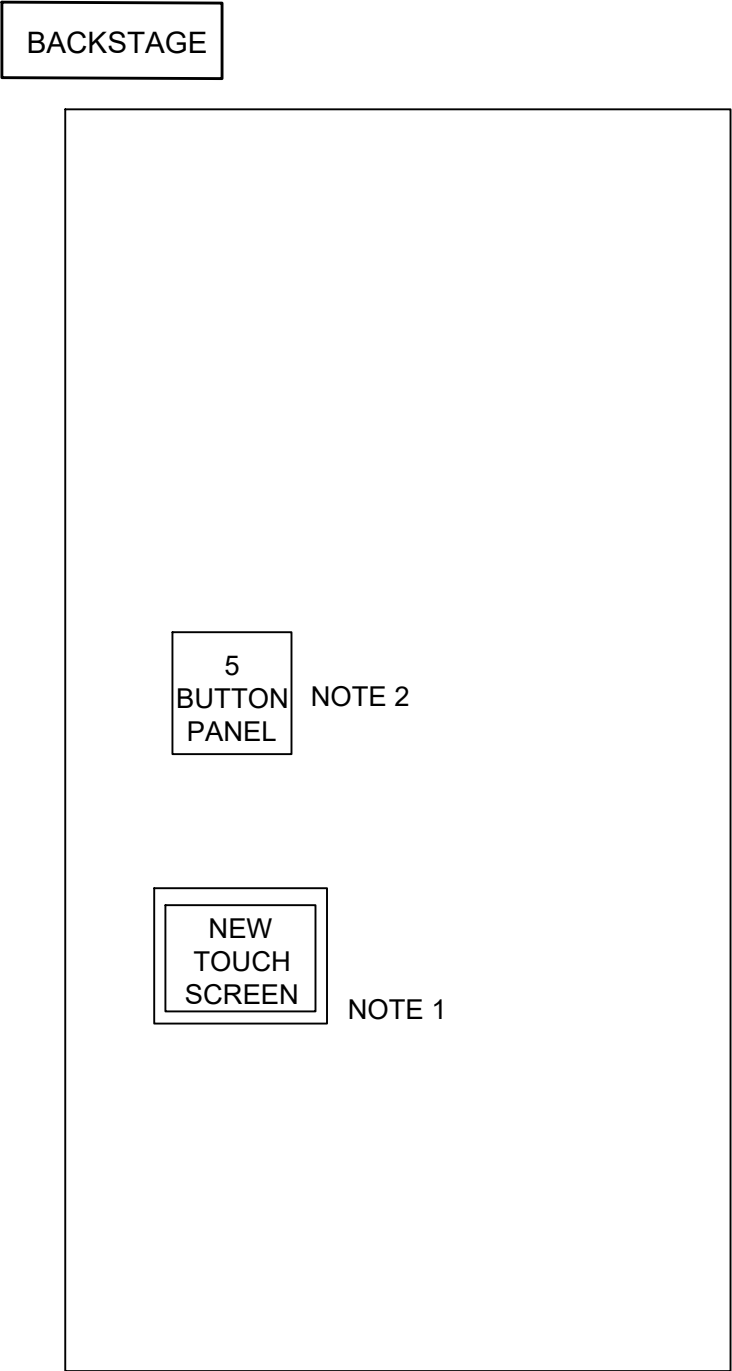
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MISSION VISTA HIGH SCHOOL

Dwg File: SECTION 26 09 23 - LIGHTING CONTROLS SPECIFICATION IS THE MASTER

Dwg Title:
MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
LIGHTING -CONTROL ROOM LAYOUT

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Drawing No.: EL-101
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- NOTES:
- 1. EXISTING ETC UNISON TOUCH SCREEN WILL BE REMOVED AND REPLACED WITH UPDATED ETC TOUCH SCREEN.
 - 2. REPLACE EXISTING SURFACE MOUNTED BACK BOX WITH NEW BOX WITH LOCKING COVER.
 - 3. HOME RUN OF CAT5E/6 CABLE FROM NEW DATA RACK IN DIMMER ROOM TO STAGE LOCATION FOR 5-BUTTON STATION.
 - 4. SURFACE MOUNTED HALF INCH ($\frac{1}{2}$ ") CONDUIT WILL NEED TO STUBBED OFF NEW TOUCH SCREEN BACK BOX.
 - 5. WIRES TO BE RUN IN NEW CONDUIT: 1 X BELDEN 8471 AND 1 X 16 AWG GROUND WIRES TO DIMMER ROOM.
 - 6. NOT DRAWN TO SCALE

DIMMER ROOM

SENSOR NET BOX

NOTES 1 AND 2

DATA RACK

NOTES 3, 4 AND 5

- NOTES:
- 1. REMOVE "SENSOR NET BOX" - PRESERVE NETWORK CABLES TO BE ROUTED TO NEW DATA RACK - MIDDLE ATLANTIC DWR-12-17.
 - 2. RE-ROUTE EXISTING 120V FROM SENSOR NET BOX TO NEW DATA RACK .
 - 3. REMOVE EXISTING UNISON RACK. REPLACE WITH NEW DATA RACK - MIDDLE ATLANTIC DWR-12-17.
 - 4. RE-ROUTE EXISTING DATA CABLES FROM UNISON RACK TO NEW DATA RACK.
 - 5. THE 3 PHASE HIGH VOLTAGE FEED FROM THE UNISON RACK WILL NO LONGER BE NEEDED.
 - 6. MOUNT - MIDDLE ATLANTIC DWR-12-17 TO CMU WALL PER MANUFACTURERS RECOMMENDED SPECIFICATIONS.
 - 7. NOT DRAWN TO SCALE
 - 8. NOT ALL DEVICES SHOWN - ONLY ONES EFFECTED BY THIS PROJECT.



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THEATER MODERNIZATION
LIGHTING -DIMMER ROOM LAYOUT

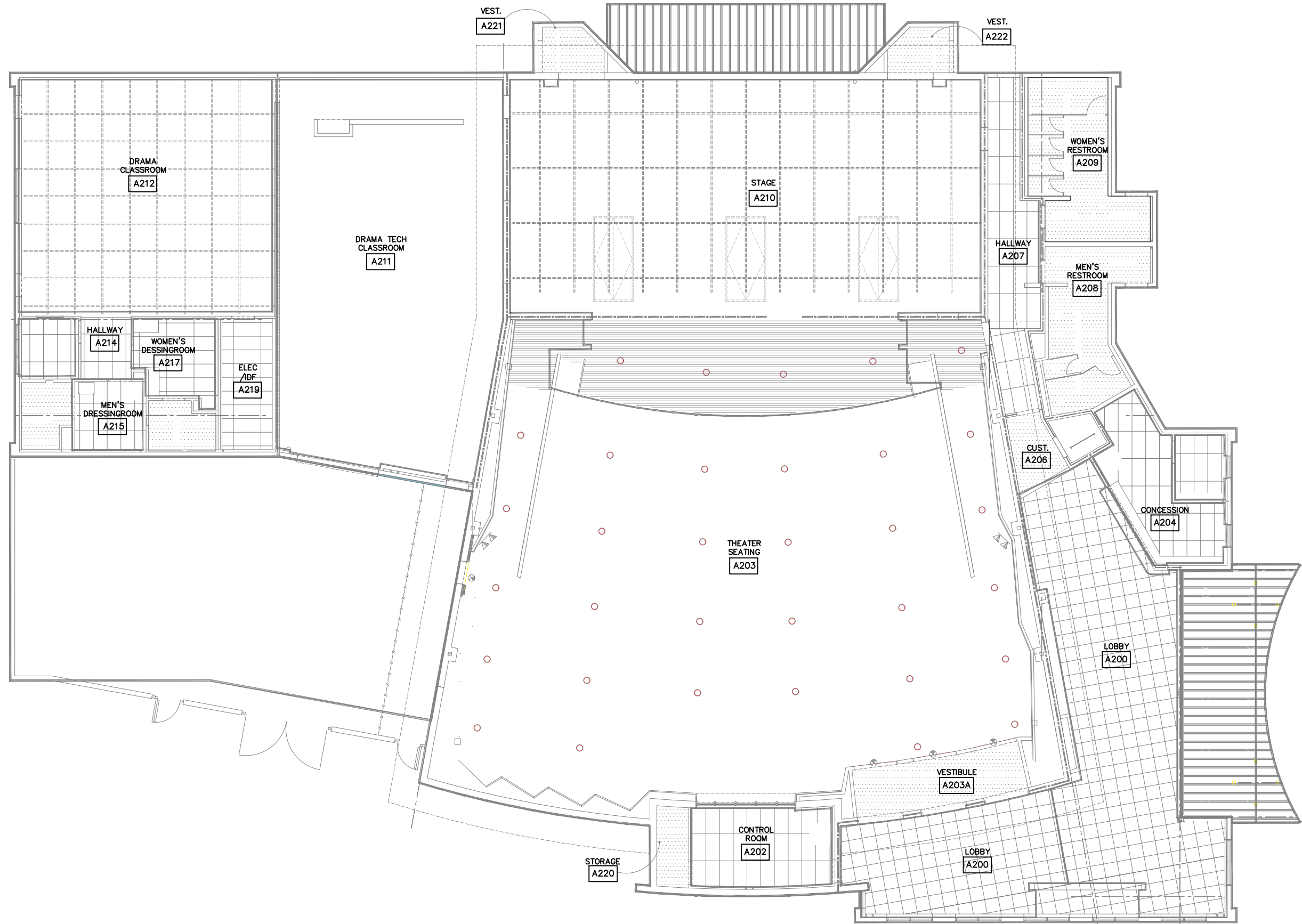
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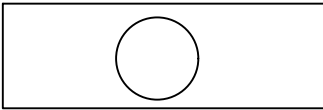
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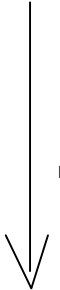
Dwg Title:
MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
LAYOUT - SITE

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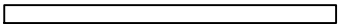
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EPSON PRO
PROJECTOR



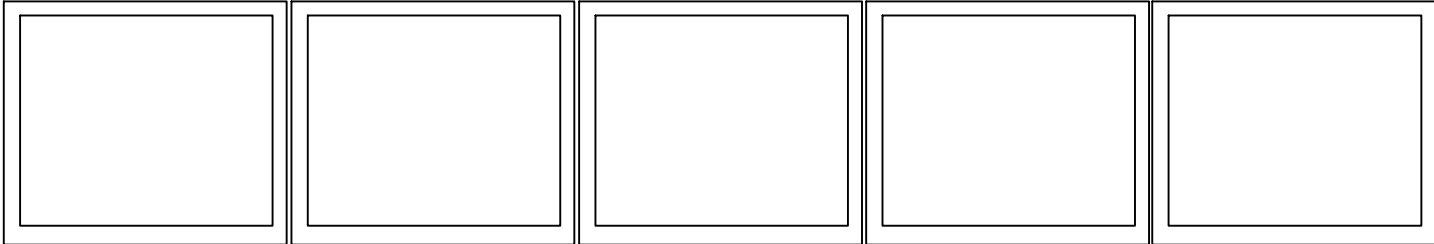
NOTE 1



NOTE 2



NOTE 4



NOTE 3

- NOTES:
1. CURRENT LOCATION OF THE THEATER PROJECTOR EPSON PRO L1505U IS ON PONY WALL. CONTRACTOR SHOULD MOVE PROJECTOR AND ASSOCIATED CABLES SIX FEET BELOW CURRENT LOCATION. COORDINATE WITH CLIENT.
 2. MOUNT PROJECTOR ON SHELF PER MANUFACTURERS RECOMMENDATIONS.
 3. I-O PANEL - 12 X 12 WITH BRUSH PASS-THRU TO MATCH CONTROL ROOM I-O PANEL UNDER COUNTER TOP.
 4. MOUNT POV CAMERA - SONY SRGXP1 BELOW MOUNTED PROJECTOR SHELF. COORDINATE WITH CLIENT. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 5. ELECTRICAL OUTLETS SHALL BE ADDED TO EXISTING RECEPTACLE OR DAISY CHAINED TO THE NEAREST.
 6. NOT DRAWN TO SCALE



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LAYOUT - THEATER

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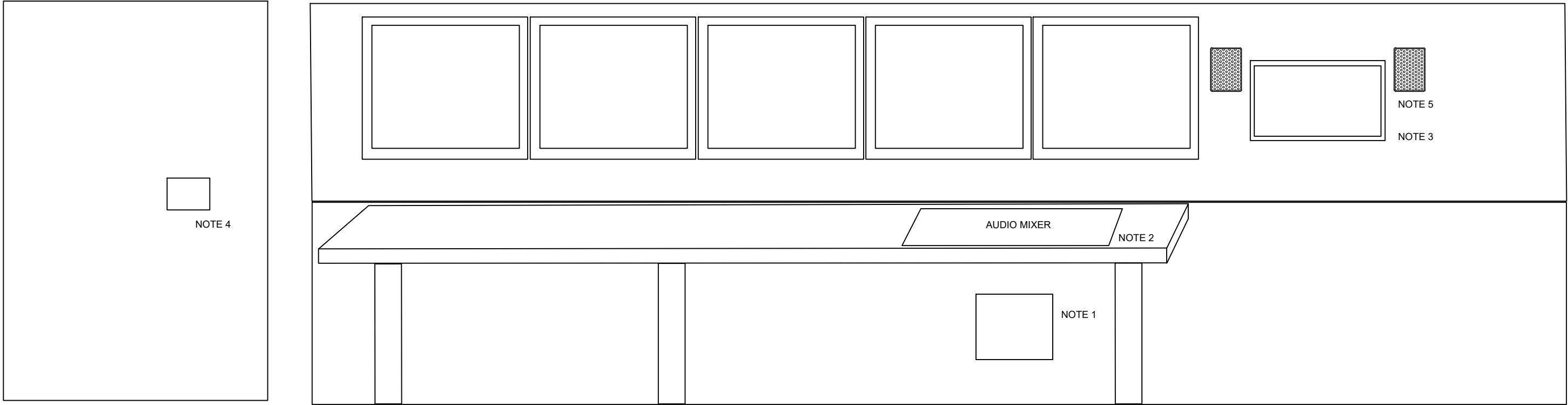
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CONTROL ROOM



- NOTES:
1. I-O PANEL - 12 X 12 WITH BRUSH PASS-THRU TO MATCH THEATER I-O PANEL.WINDOWS.
 2. INSTALL BEHRINGER X32 AUDIO MIXER ON COUNTER TOP IN CONTROL ROOM.
 3. MOUNT THE LG 43UQ7590PUB MONITOR WITH POWER OUTLET AND DTP RX -008 - EXTRON DTP HDMI 47 230 RX BEHIND MONITOR
 4. INSTALL DTP TX -09 - EXTRON DTP T UWP 4K 232D USING MOUNTED 2 GANG BOX.
 5. INSTALL EXTRON SM 3 SPEAKERS NEAR 43" MONITOR. COORDINATE WITH CLIENT.
 6. NOT DRAWN TO SCALE



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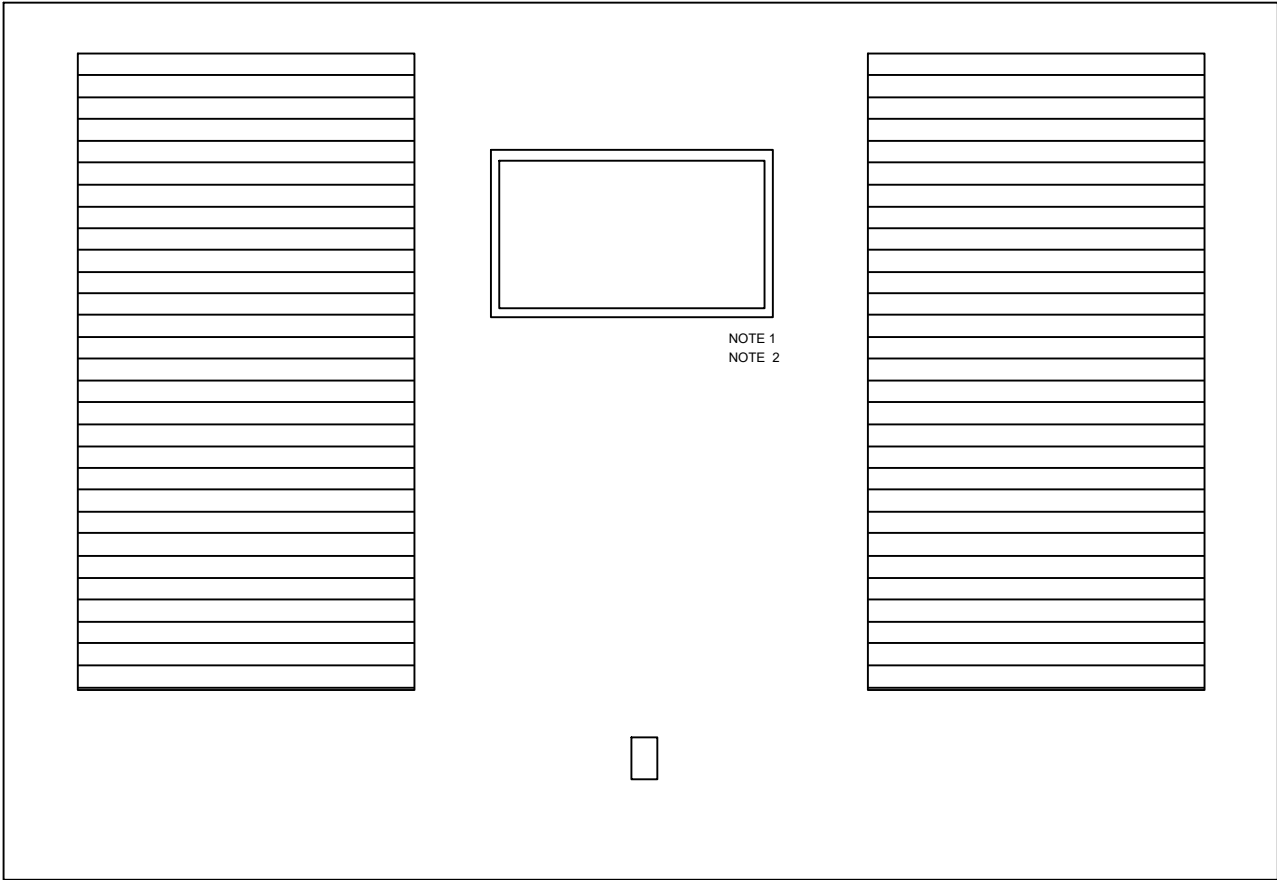
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VISTA UNIFIED SCHOOL DISTRICT MISSION VISTA HIGH SCHOOL
Dwg File:
SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER

Dwg Title:
MISSION VISTA HIGH SCHOOL THEATER MODERNIZATION LAYOUT - CONTROL ROOM

Rev Level:
Rev Date:
Drawing No.:
L-102
Sheet of

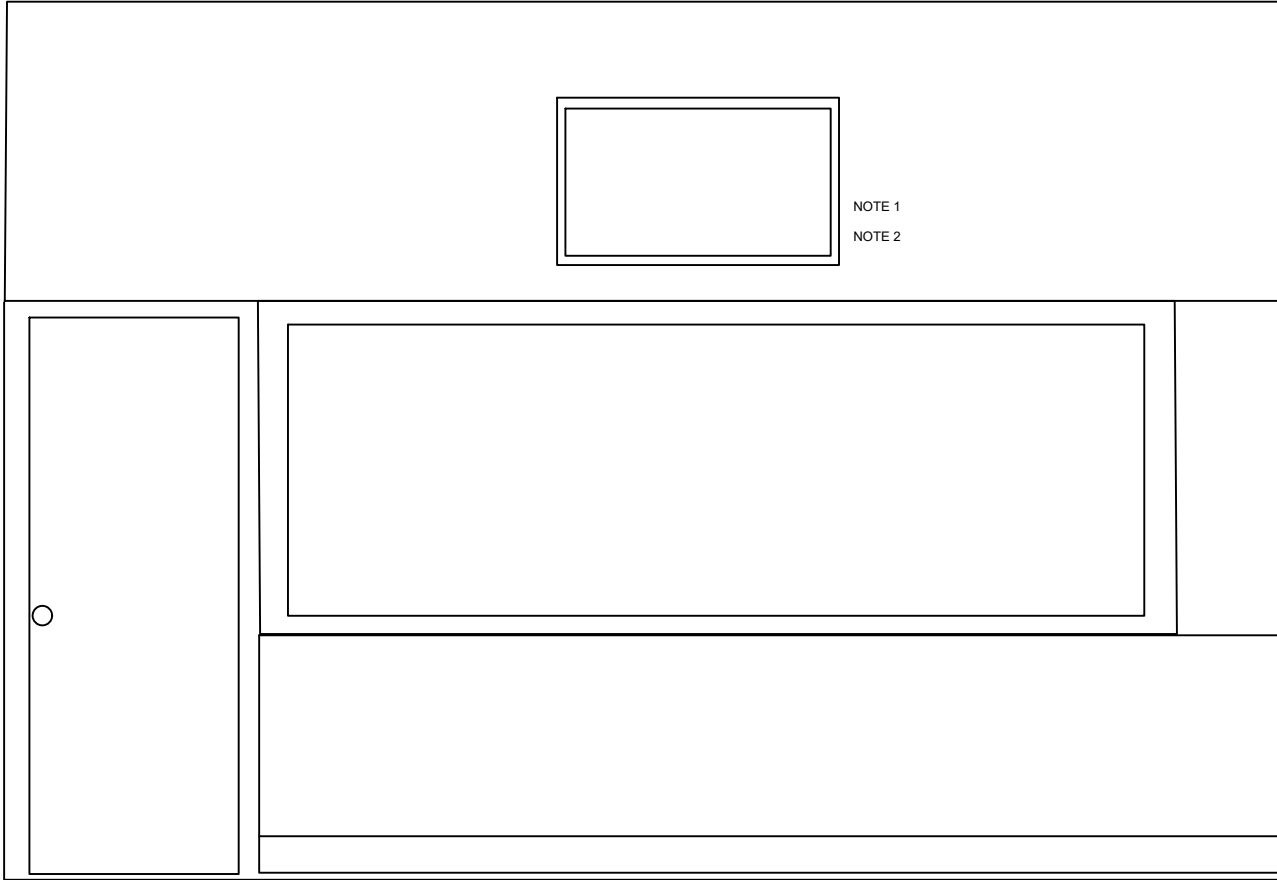
LOBBY AREA



NOTE 1
NOTE 2

- NOTES:
1. MOUNT LG MONITOR - LG 55UQ7570PUJ BETWEEN WINDOWS ON SOUTH WALL INSIDE THEATER LOBBY.
 2. INSTALL ELECTRICAL OUTLET AND DTP RX -10 - EXTRON DTP HDMI 4K 230 RX BEHIND MONITOR.
 3. MOUNT TWO CEILING SPEAKERS IN DROP CEILING NEAR MONITOR - EXTRON SF 26CT LP.
 4. ELECTRICAL OUTLETS SHALL BE ADDED TO EXISTING RECEPTACLE OR DAISY CHAINED TO THE NEAREST.
 5. NOT DRAWN TO SCALE

LOBBY AREA - SNACK/TICKET WINDOW



NOTE 1
NOTE 2

- NOTES:
1. MOUNT LG MONITOR - LG 55UQ7570PUJ ABOVE SNACK/TICKET WINDOW.
 2. INSTALL ELECTRICAL OUTLET AND DTP RX -09 - EXTRON DTP HDMI 4K 230 RX BEHIND MONITOR.
 3. MOUNT TWO CEILING SPEAKERS IN DROP CEILING NEAR MONITOR - EXTRON SF 26CT LP.
 4. THE ELECTRICAL OUTLETS SHALL BE ADDED TO EXISTING RECEPTACLE OR DAISY CHAINED TO THE NEAREST.
 5. NOT DRAWN TO SCALE



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FINAL APPROVED DATE:

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Dwg Title:

MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
LAYOUT - LOBBY

Rev Level:

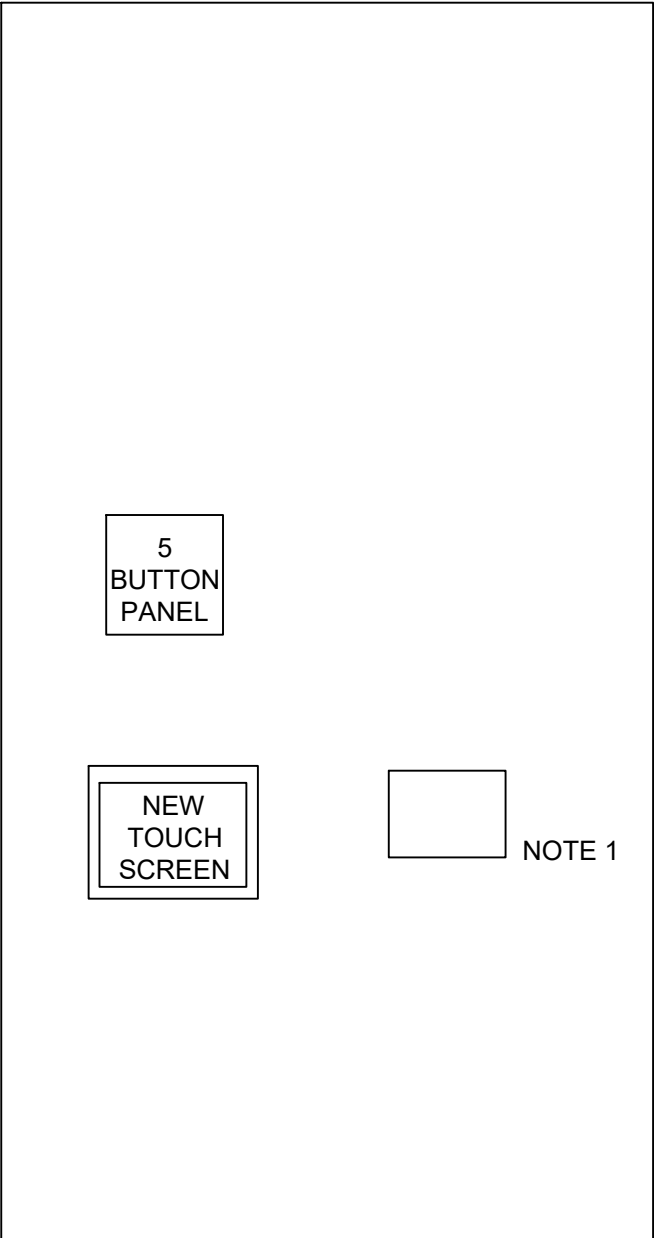
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Drawing No.:

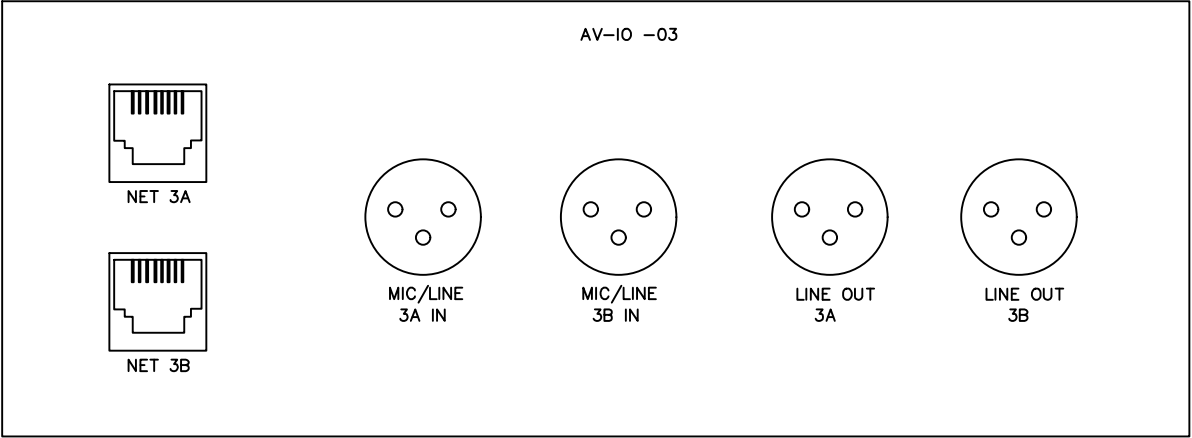
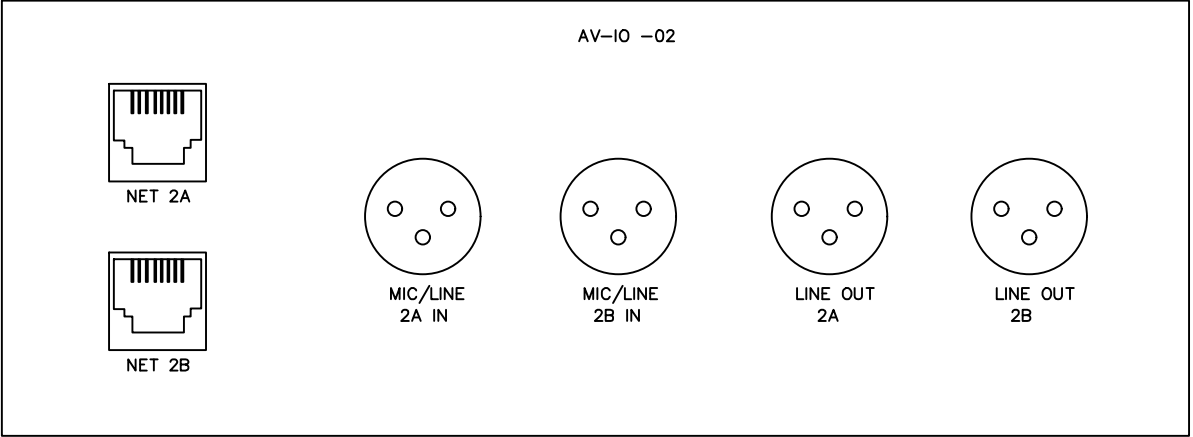
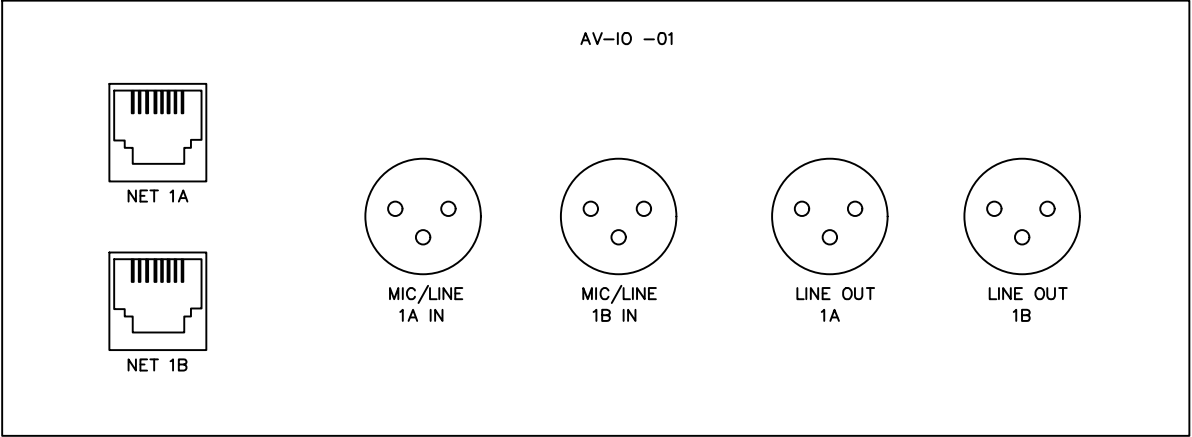
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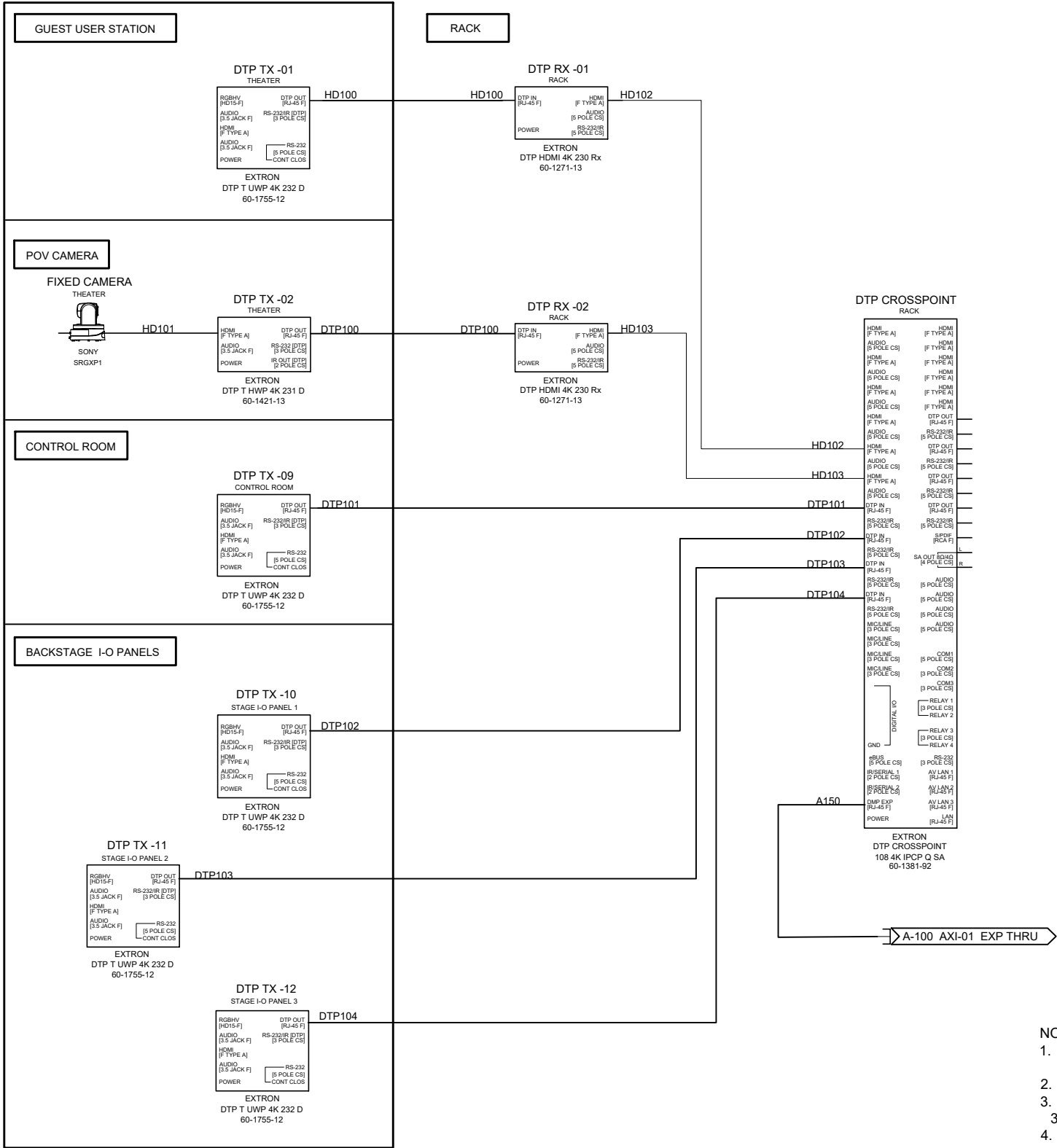
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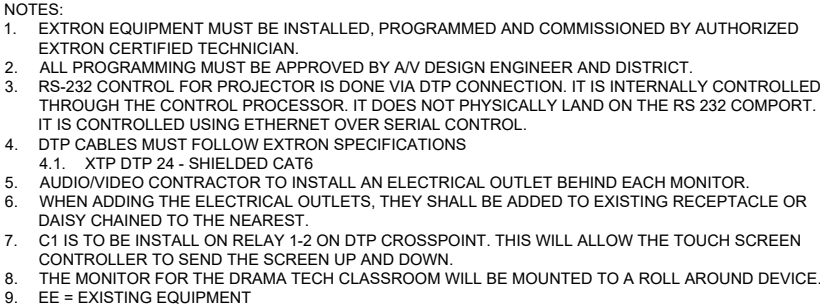
- NOTES:
- 1. INSTALL DTP TX -01 - EXTRON DTP T UWP 4K 232 D
 - 2. NOT DRAWN TO SCALE

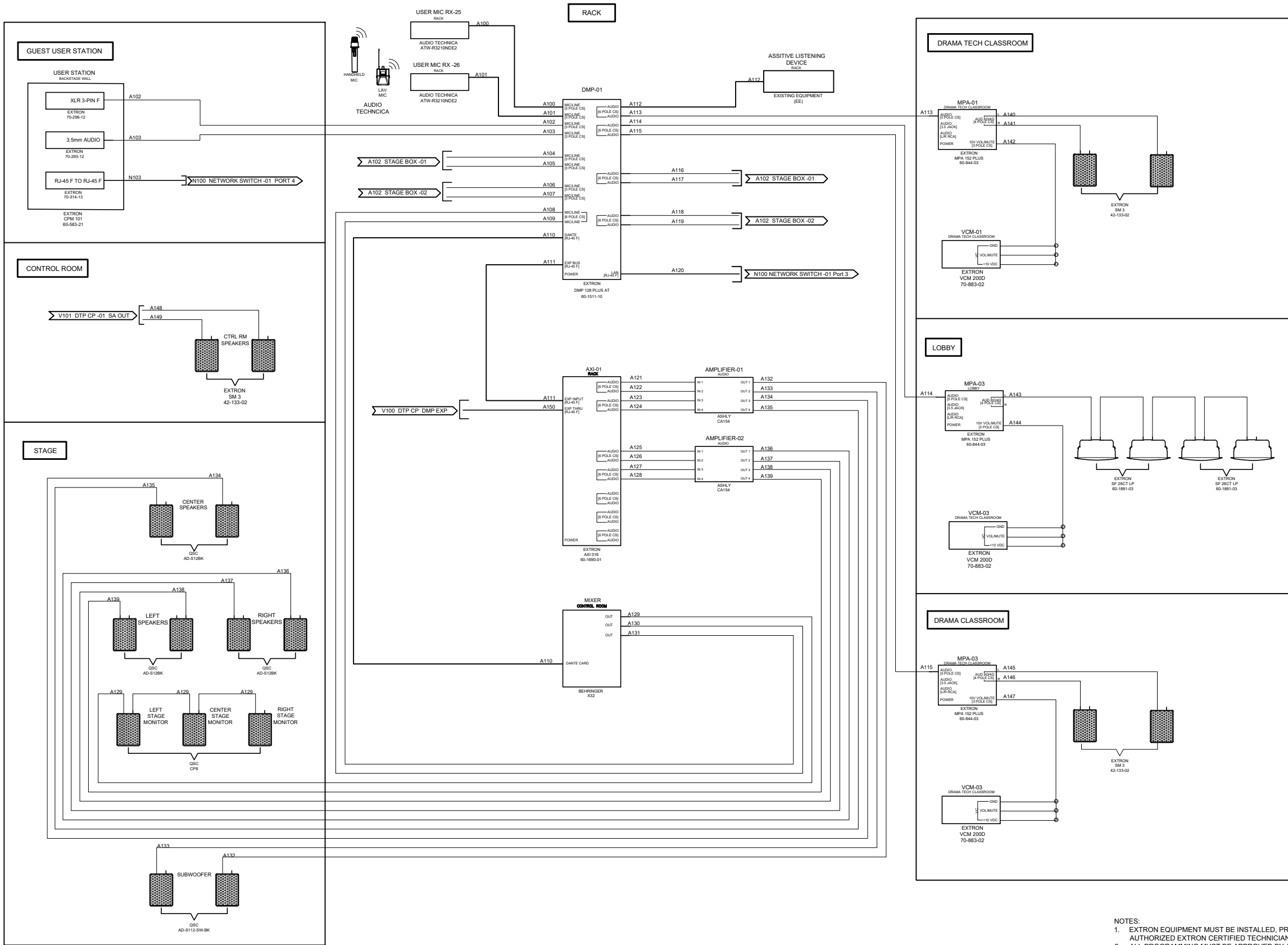


NOT TO SCALE

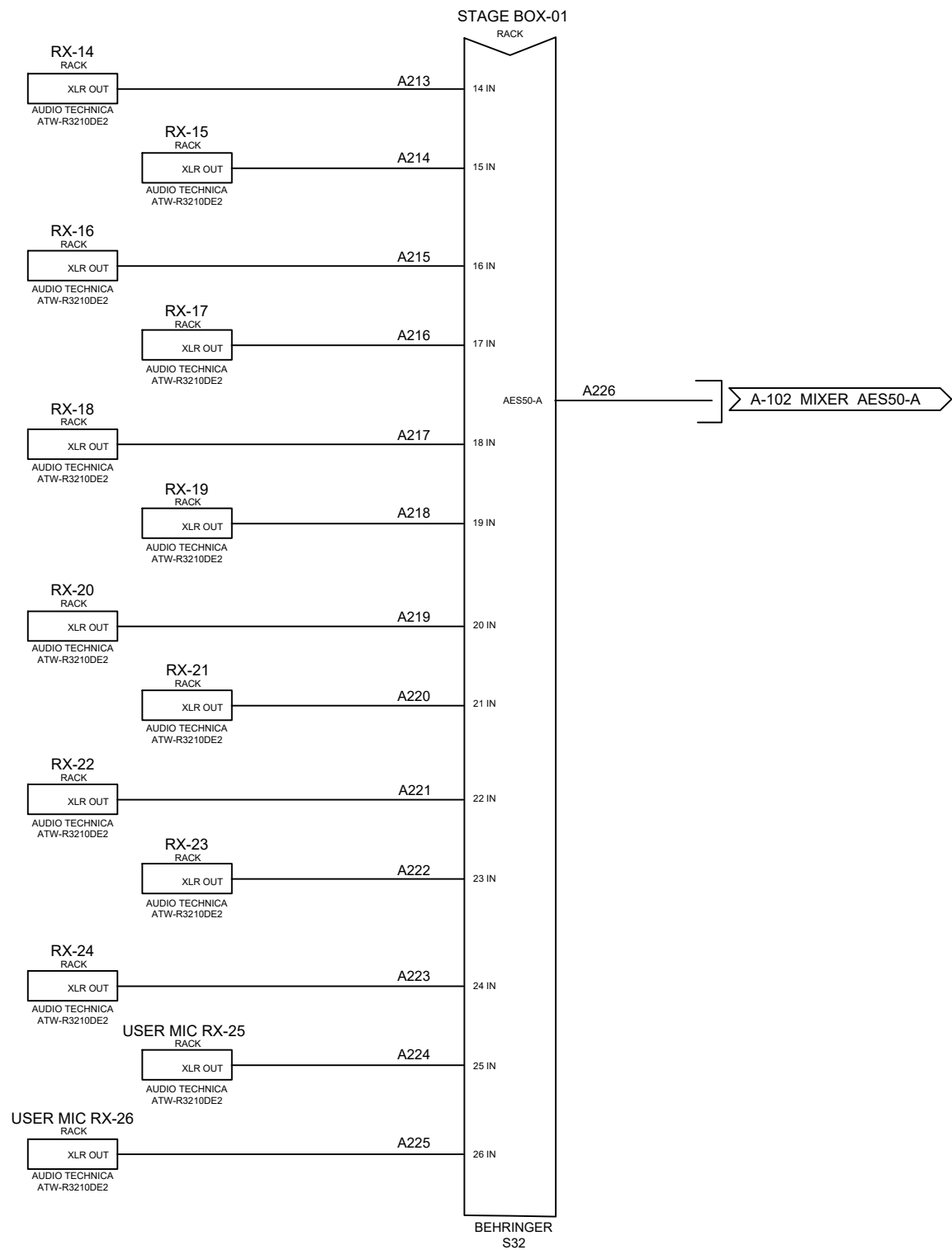
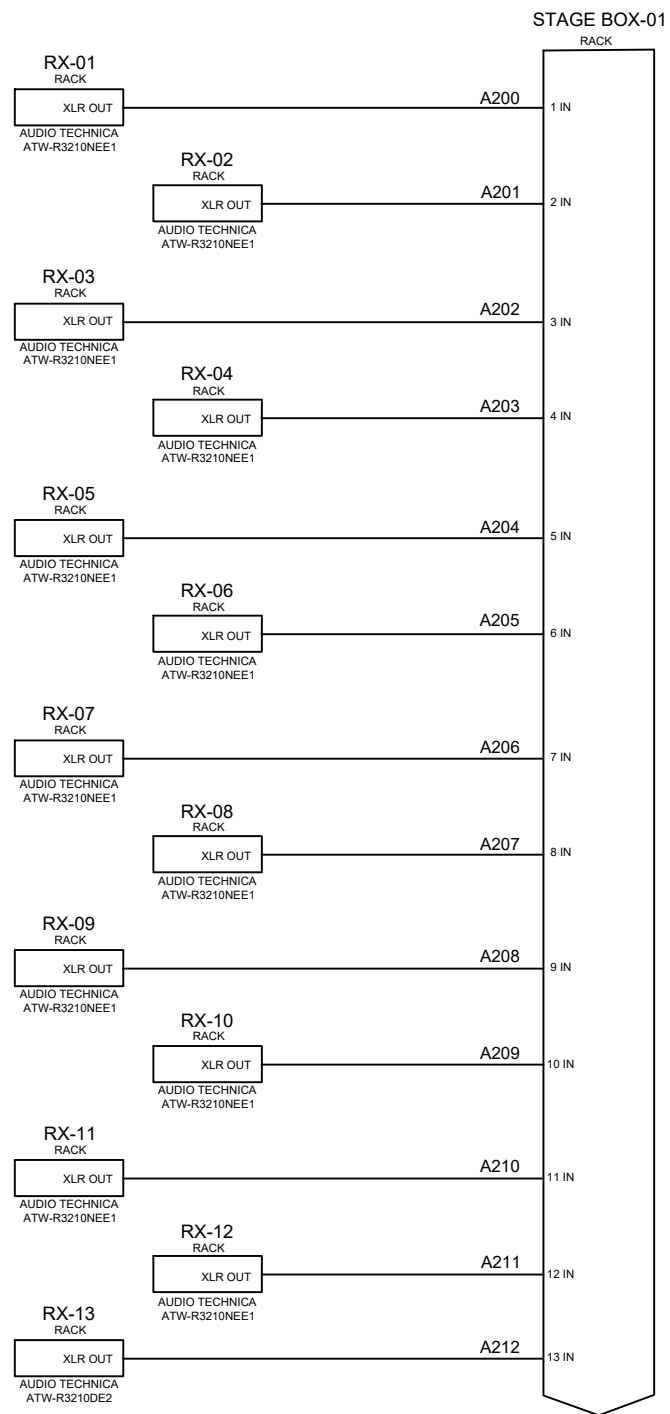


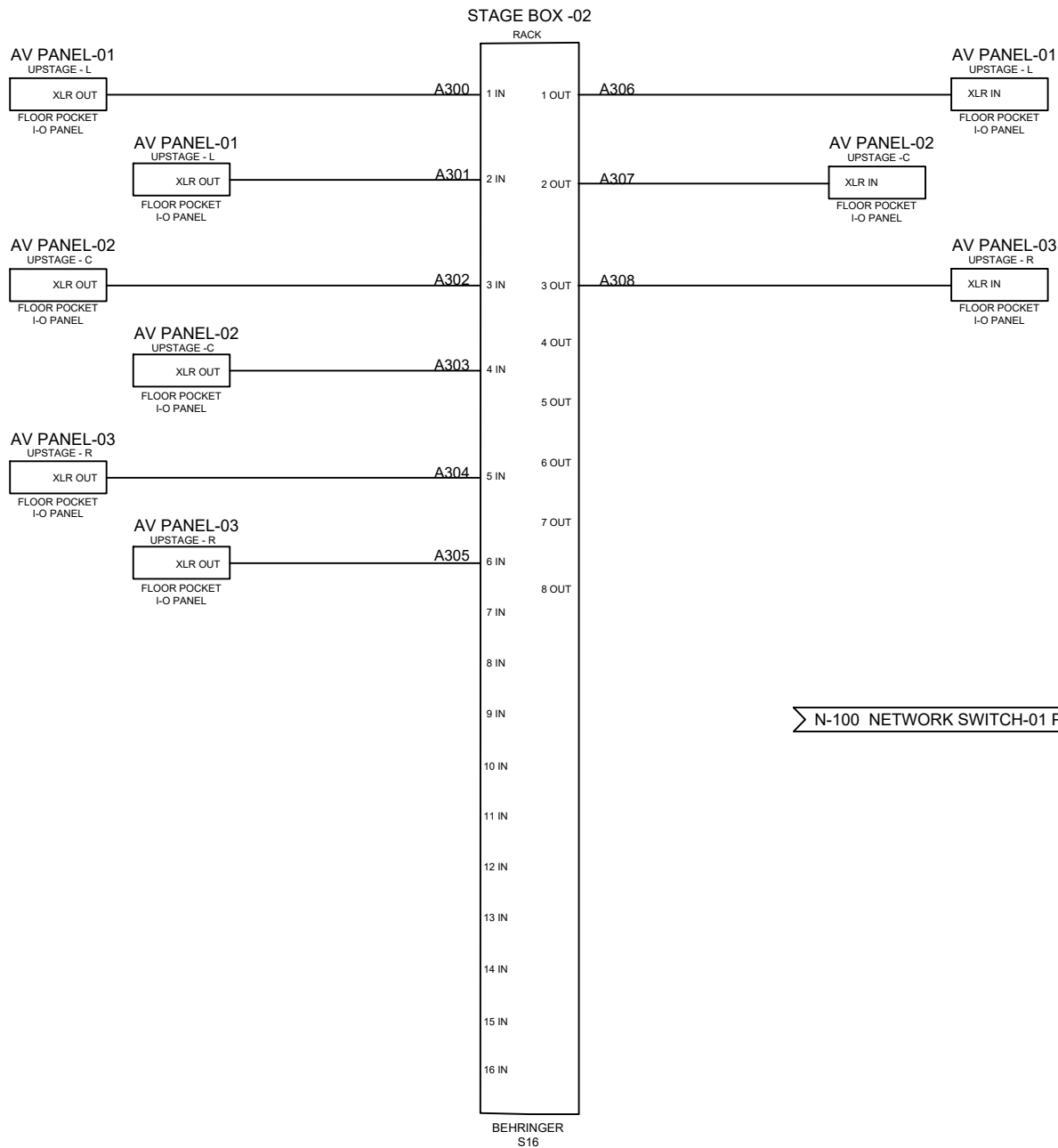
- NOTES:
1. EXTRON EQUIPMENT MUST BE INSTALLED, PROGRAMMED AND COMMISSIONED BY AUTHORIZED EXTRON CERTIFIED TECHNICIAN.
 2. ALL PROGRAMMING MUST BE APPROVED BY A/V DESIGN ENGINEER AND CLIENT.
 3. DTP CABLES MUST FOLLOW EXTRON SPECIFICATIONS.
 - 3.1. XTP DTP 24 - SHIELDED CAT6
 4. EE = EXISTING EQUIPMENT



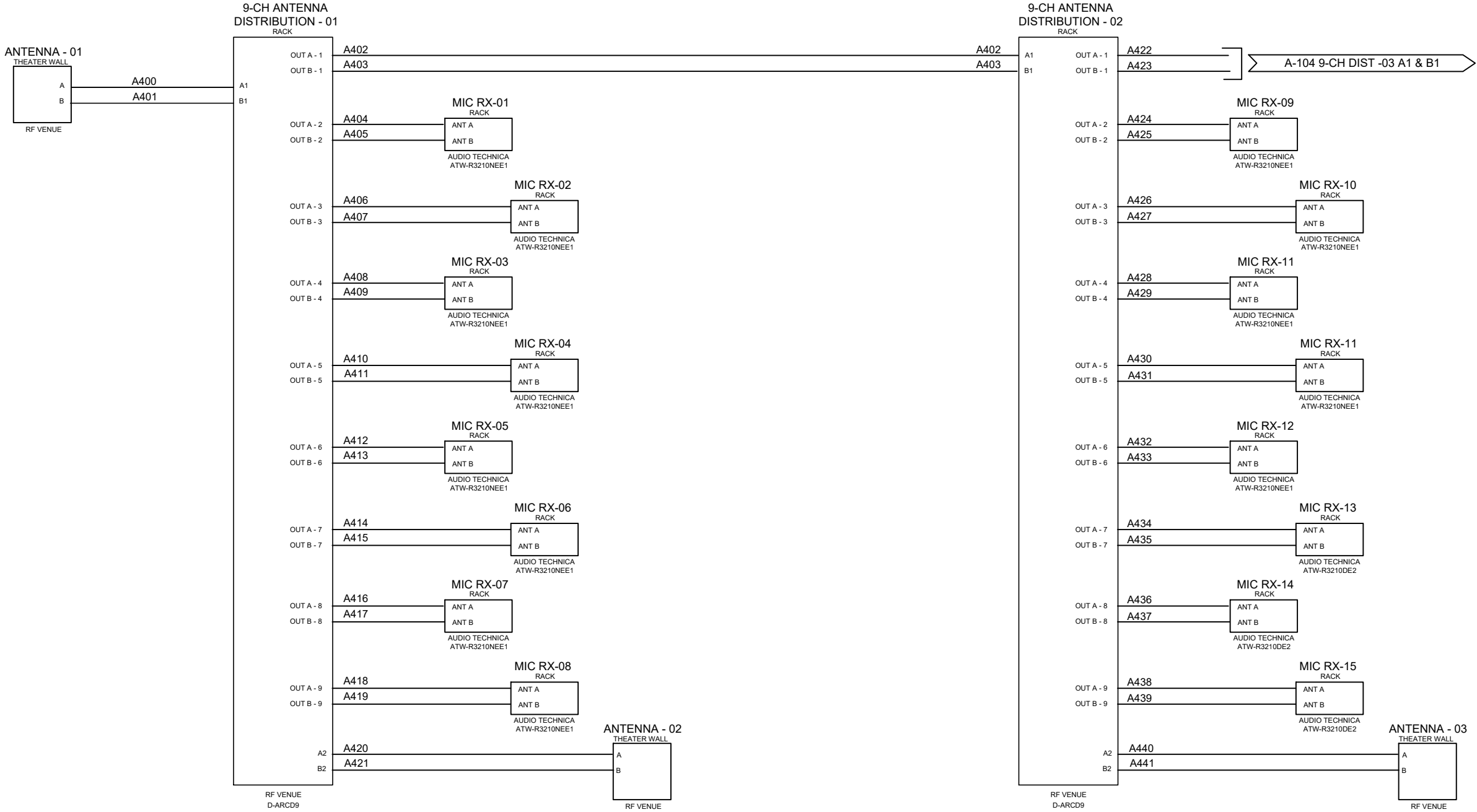


- NOTES:
1. EXTRON EQUIPMENT MUST BE INSTALLED, PROGRAMMED AND COMMISSIONED BY AUTHORIZED EXTRON CERTIFIED TECHNICIAN.
 2. ALL PROGRAMMING MUST BE APPROVED BY AV DESIGN ENGINEER AND DISTRICT.
 3. EE = EXISTING EQUIPMENT





- NOTES:
1. EXTRON EQUIPMENT MUST BE INSTALLED, PROGRAMMED AND COMMISSIONED BY AUTHORIZED EXTRON CERTIFIED TECHNICIAN.
 2. ALL PROGRAMMING MUST BE APPROVED BY AV DESIGN ENGINEER AND DISTRICT.
 3. EE = EXISTING EQUIPMENT



- NOTES:
- 1. AV CONTRACTOR TO CONFIRM CABLING PER MANUFACTURER SPECIFICATIONS
 - 2. EE = EXISTING EQUIPMENT



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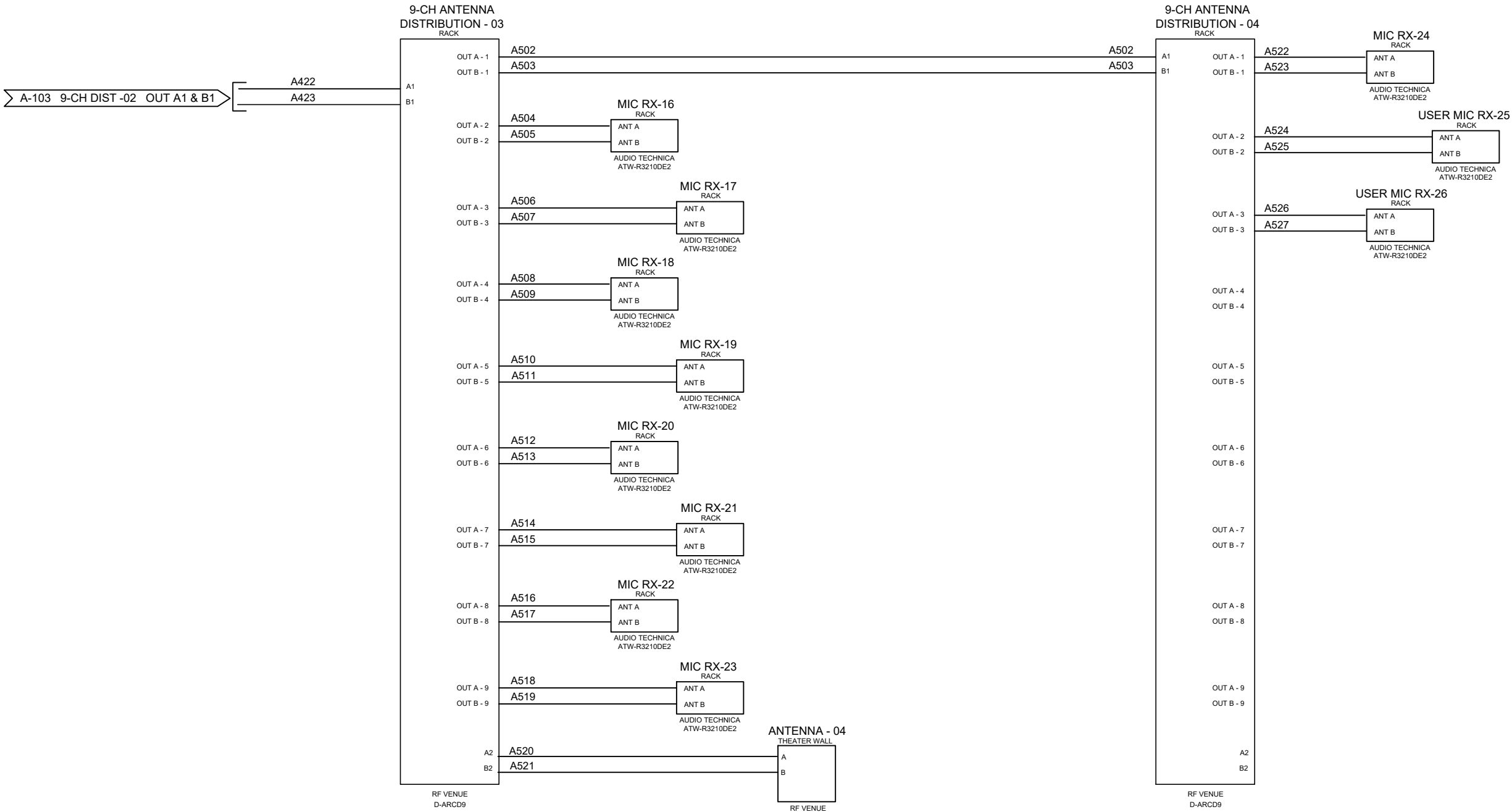
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MISSION VISTA HIGH SCHOOL
Dwg File: SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER

Dwg Title:
MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
AUDIO - 04

Rev Level:
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Drawing No.: A-103
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- NOTES:
1. AV CONTRACTOR TO CONFIRM CABLING PER MANUFACTURER SPECIFICATIONS
 2. EE = EXISTING EQUIPMENT



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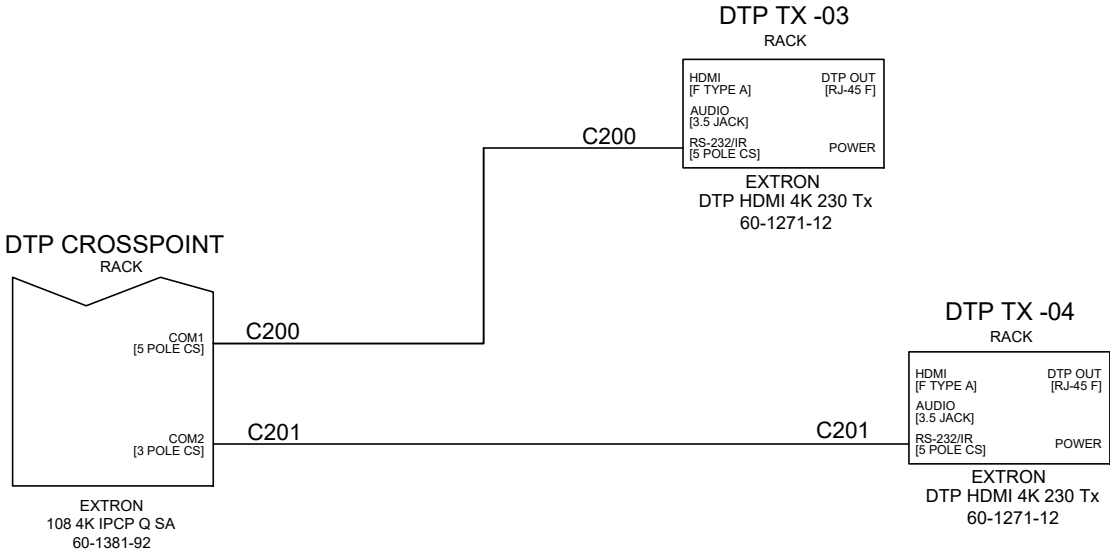
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Engr:
G. PINEDA

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Prepared For:
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MISSION VISTA HIGH SCHOOL
Dwg File: SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER

Dwg Title:
MISSION VISTA HIGH SCHOOL
THEATER MODERNIZATION
AUDIO - 05

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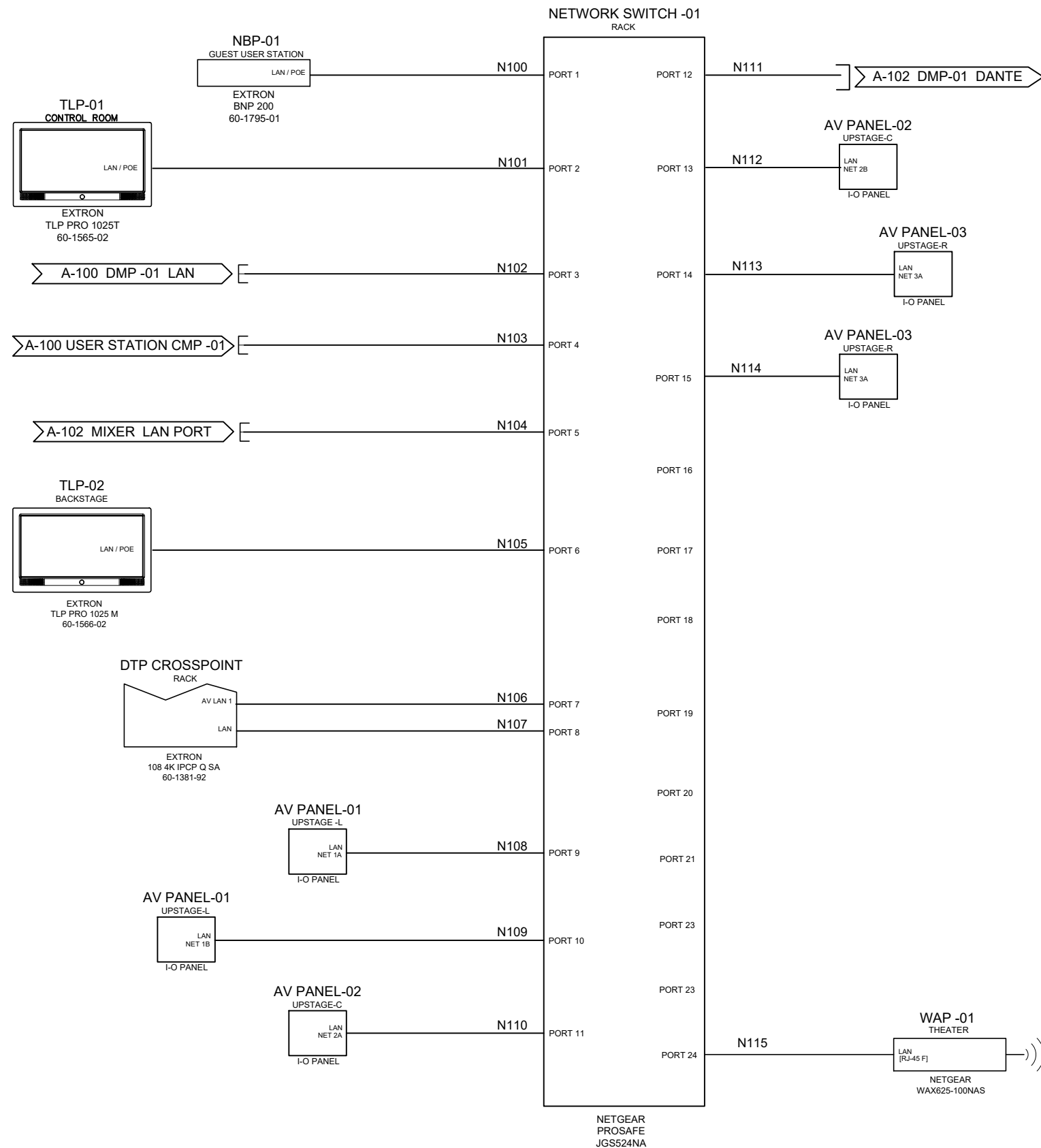
Drafter: G. PINEDA
Engr: G. PINEDA

Created Date: 8.30.2024
Project No.: VUSD-MVHS

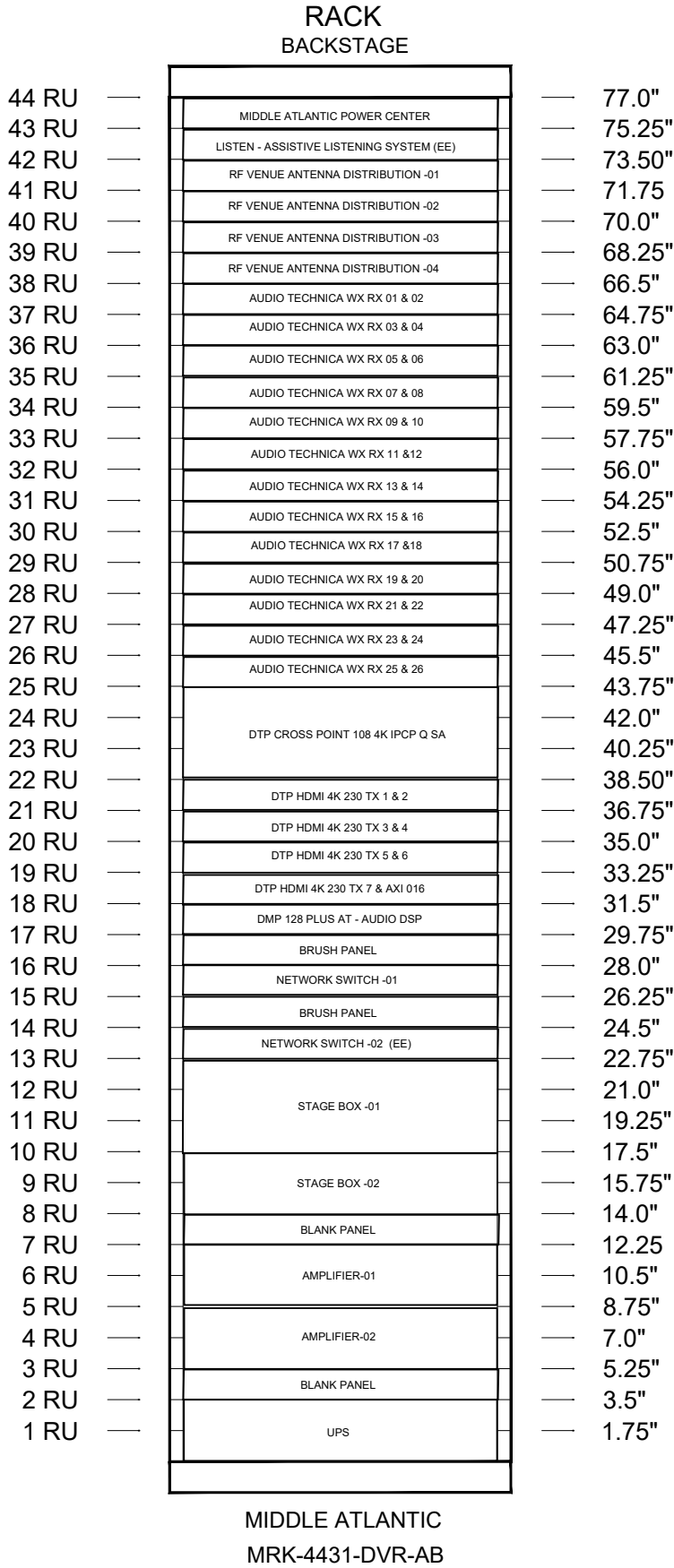
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Dwg File: SECTION 27 41 00 - AUDIO/VIDEO SYSTEM SPECIFICATION IS THE MASTER

Dwg Title: MISSION VISTA HIGH SCHOOL THEATER MODERNIZATION CONTROL - 01
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Drawing No.: C-100
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- NOTES:
1. EXISTING SWITCH WILL BECOME NETWORK SWITCH -02 IN NEW DESIGN.
 2. A/V CONTRACTOR TO TEST AND TERMINATE EXISTING CABLES LOCATED IN EXISTING RACK. THESE WILL BE INSTALLED IN NETWORK SWITCH -02.
 3. EE = EXISTING EQUIPMENT



- NOTES:
- THE FOLLOWING EQUIPMENT WILL BE USED IN NEW DESIGN:
 - MIDDLE ATLANTIC POWER CENTER
 - LISTEN -ASSISTIVE LISTENING SYSTEM
 - NETWORK SWITCH
 - REMOVE EXISTING RACK IN THE BACKSTAGE AREA AND INSTALL NEW RACK IN ITS PLACE.
 - REUSE EXISTING BLANK PANELS.
 - CONTRACTOR IS TO VERIFY ELECTRICAL LOAD AND COMPARE TO EXISTING ASSIGNED CIRCUIT FOR CAPACITY.
 - EE = EXISTING EQUIPMENT