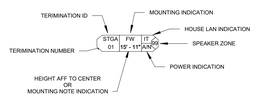
AV GENERAL NOTES:

1. THESE DRAWINGS INDICATE DESIGN INTENT. THEY ARE NOT FULLY DETAILED SHOP DRAWINGS. IT IS IN THE SCOPE OF WORK FOR SECTION 27 41 00 TO PROVIDE FULLY DETAILED SHOP DRAWINGS AS A SUBMITTAL FOR REVIEW BY THE AV CONSULTANT. REFER TO THAT SECTION FOR A DETAILED LIST OF SUBMITTAL REQUIREMENTS.
2. ALL AV ISOLATED GROUND AND CONVENIENCE POWER REQUIREMENTS INDICATED IN THESE DRAWINGS, AS WELL AS ALL WIRE PATH (CONDUIT, RACEWAY, LADDER TRAY, J-HOOKS, AND CABLE PASSES) ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO 27 41 00 WORK SCOPE TABLE FOR DETAILED INFORMATION ON DIVISION OF SCOPE BETWEEN 27 41 00 AND OTHER SECTIONS WITHIN DIVISION 27, AS WELL AS OTHER DIVISIONS.
3. ALL LINE VOLTAGE RECEPTACLES, OTHER THAN THOSE INTEGRATED AS PART OF A RACK-MOUNTED POWER DISTRIBUTION DEVICE OR SHOWN AS INTEGRATED WITHIN A CUSTOM AV PANEL, ARE PROVIDED AND INSTALLED BY DIVISION 26. ANY LINE VOLTAGE RECEPTACLES INTEGRATED WITHIN A CUSTOM AV PANEL MUST BE SEPARATED FROM LOW VOLTAGE WIRING AND TERMINATIONS BY A METALLIC BARRIER. THIS METHOD IS ONLY ALLOWABLE WHERE INDICATED IN PANEL DRAWINGS. ALL OTHER LOCATIONS MUST HAVE SEPARATE BOXES FOR LINE VOLTAGE OUTLETS AS INDICATED IN THE PANEL DRAWINGS. REFER TO 27 41 00 WORK SCOPE TABLE FOR DETAILED INFORMATION ON DIVISION OF SCOPE BETWEEN 27 41 00 AND OTHER SECTIONS WITHIN DIVISION 27, AS WELL AS OTHER DIVISIONS.
4. CONFIRM THE FOLLOWING WITH THE ARCHITECT PRIOR TO PURCHASE OF MATERIALS AND INSTALLATION:
   a. CONFIRM FLUSH OR SURFACE MOUNT FOR ALL BACKBOX DEVICES
   b. CONFIRM CUSTOM COLOR REQUIREMENTS FOR ANY PANELS IN VIEW OF THE AUDIENCE OR PRODUCTION VIDEO CAMERAS. OTHER PANELS WILL BE PER THE SPECIFICATIONS.
   c. CONFIRM CUSTOM COLOR REQUIREMENTS FOR LOUDSPEAKERS OR OTHER AV DEVICES INSTALLED IN VIEW OF THE AUDIENCE OR PRODUCTION VIDEO CAMERAS.
5. ALL RIGGING FOR AV DEVICES INDICATED IN THE DRAWINGS IS CONCEPTUAL ONLY. REFER TO THEATRICAL RIGGING DRAWINGS FOR MORE INFORMATION. ALSO REFER TO 27 41 00 PART 3 FOR DETAILS ON RIGGING REQUIREMENTS FOR AV DEVICES AND THE REQUIREMENT FOR ALL RIGGING DRAWINGS TO BE STAMPED BY A STRUCTURAL ENGINEER.
6. ADDITIONAL SUPPORT AND/OR BACKING IN STUD WALLS AND CEILINGS MAY BE REQUIRED FOR PROPER AND SAFE INSTALLATION.
7. ANY DISCREPANCIES BETWEEN DRAWINGS MUST BE PRESENTED IN AN RFI FOR CLARIFICATION PRE-BID. IT IS THE CONTRACTORS RESPONSIBLITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM. PLEASE SEE 27 41 00 PART 1.3 FOR COMPLETE DETAILS.

Sheet List






TERMINATION LEGEND
1/4" = 1'-0"

TERMINATION NOTES:

1. SEE AV TERMINATION SCHEDULE FOR A LIST OF PROJECT TERMINATION IDENTIFIERS.
2. THE 70 VOLT LOUDSPEAKER ZONES INDICATE GROUPINGS OF LOUDSPEAKERS WHOSE SOURCE AND VOLUME SELECTION CHANGE TOGETHER. IT DOES NOT NECESSARILY INDICATE THEY ARE ALL ON ONE AMPLIFIER CHANNEL. AMPLIFIER CHANNELS MUST BE ALLOCATED TO PROVIDE FULL POWER TO ALL ATTACHED LOUDSPEAKERS AT THE MAXIMUM TAP. REFER TO SPECIFICATIONS 27 41 00 FOR MORE INFORMATION ON 70 VOLT LOUDSPEAKER SYSTEMS REQUIREMENTS.
3. THE TERMINATION MOUNTING INDICATION DETAILS HOW A PARTICULAR TERMINATION SHOULD BE MOUNTED. FOR ALL TERMINATION MOUNTING CODES (SEE TABLE TO THE RIGHT) EXCEPT FOR ND (NOTE OR DETAIL) AND MS (MOUNT TO STRUCTURE) A HEIGHT ABOVE FINISHED FLOOR TO THE CENTER OF THE BACKBOX IN INCHES OR FEET, AS INDICATED, IS NOTED BELOW THE MOUNTING INDICATION. FOR ND OR MS THE NUMBER OR LETTER BELOW HAS NO INCH OR FOOT SYMBOL, AND INSTEAD REFERS TO A NOTE NUMBER IN THE SHEET NOTES.
4. HOUSE LAN CONNECTION INDICATION - IF 'IT' IS INDICATED, A HOUSE LAN CONNECTION IS TO BE PROVIDED TO THE TERMINATION BY THE DIVISION 27 STRUCTURED CABLING SCOPE OF WORK AND TERMINATED. IN THE CASE OF A PANEL THE AV CONTRACTOR WILL PROVIDE A CONNECTOR ON THE PANEL FOR THE STRUCTURED CABLING CONTRACTOR TO TERMINATE TO. IN THE CASE OF A RACK, THE AV CONTRACTOR WILL PROVIDE AN EMPTY PORT ON AN APPROPRIATE CATEGORY PATCH PANEL OR A CONNECTOR ON A RACK PANEL FOR THE STRUCTURED CABLING CONTRACTOR TO TERMINATE TO.
5. POWER INDICATION - IF POWER IS REQUIRED TO BE SUPPLIED AT THIS TERMINATION LOCATION, EITHER AN 'A', OR AN 'N' WILL BE SHOWN. AN 'A' INDICATES THE NEED FOR AV ISOLATED GROUND POWER TO BE PROVIDED. AN 'N' INDICATES THE NEED FOR A STANDARD 120V 20A DEDICATED CONVENIENCE CIRCUIT THAT IS NOT CONNECTED TO THE AV ISOLATED GROUND POWER PANEL(S) OR TRANSFORMER.

Work Scope Table (see section 27 41 00 for additional details)

| ITEMS PROVIDED AND INSTALLED | Electrical Contractor Provide | Electrical Contractor Install | Systems Contractor Provide | Systems Contractor Install |
|---|---|---|---|---|
| Main Power Panel Boards and Circuit Breakers | x | x | | |
| Audio Video Isolated Ground Power (AVIGP)Transformers | x | x | | |
| AVIGP Isolated Ground Conduit, and Conductors | x | x[1] | | |
| AVIGP panel boards and circuit breakers | x | x | | |
| AVIGP standard load centers and circuit breakers | x | x | | |
| AVIGP Company Switches | x | x | | |
| Audio Video Systems Equipment Racks, Termination Panels, and Audio Video Devices | | | | |
| Racks | | | x | x |
| Termination Panels | | | x | x |
| Termination Panel Back Boxes | | x[1] | x | |
| Termination Panel Floor Boxes | | x[1] | x | |
| All conduit, J-Boxes, Cable Sleeves, Ladder Tray, Mounting Hardware for Audio Video Systems Signal and Control Cabling | x | x[1] | | |
| Conduit Isolation Bushings at Racks | x | x | | |
| Audio Video Cabling | | | x | x |
| Audio Video Cabling Termination | | | x | x |
| AVIGP Branch Circuits for Systems Equipment Racks going to: | | | | |
| In Wall Outlets | x | x | | |
| Ladder Tray Mounted Outlets | x | x | | |
| Ceiling Mounted Outlets | x | x | | |
| In Rack Power Distribution Devices | | x[2] | x[2] | |
| Audio Video Systems Conduit Riser Diagram Submittal | x[3] | | | |

Note 1: Installation criteria and coordination provided by Systems Contractor

Note 2: Rack Power Raceways are provided and installed by the Systems Contractor. The branch circuits are installed and terminated to the raceway by the Electrical Contractor. Care must be taken to maintain the isolation of the rack and its contents from building ground.

Note 3: The Conduit Riser Diagram is developed by the Electrical Contractor with criteria provided by the Systems Contractor. This is a critical submittal. Any conduit installed prior to approval is at risk and any replacement, remediation, or repairs required to meet specifications will be performed at the Contractor's cost.

AV CABLE TYPE SCHEDULE

| SIGNAL GROUP | FUNCTION | CODE | MANUFACTURER | WIRE PART NUMBER | OUTER DIAMETER |
|---|---|---|---|---|---|
| I | MICROPHONE | MIC | WINDY CITY WIRE | 22-1PREZ-BLK | 0.134 |
| II | LINE LEVEL/AES-EBU DIGITAL | LINE | BELDEN | 1696A | 0.234 |
| II | ANALOG 2-WIRE COMM SYSTEM | ACOM | WINDY CITY WIRE | 18-1PS-COMM | 0.202 |
| III | TWISTED PAIR UNJACKETED LOUDSPEAKER 10 AWG | SP10 | WINDY CITY WIRE | NJ10-02 | 0.326 |
| III | TWISTED PAIR UNJACKETED LOUDSPEAKER 12 AWG | SP12 | WINDY CITY WIRE | 8120265-110 | 0.25 |
| III | TWISTED PAIR UNJACKETED LOUDSPEAKER 14 AWG | SP14 | WINDY CITY WIRE | 81402105-110 | 0.226 |
| III | TWISTED PAIR JACKETED LOUDSPEAKER 8 AWG | SPJ08 | WEST PENN | C208 | 0.498 |
| III | TWISTED PAIR JACKETED LOUDSPEAKER 14 AWG | SPJ14 | WINDY CITY WIRE | 14-02-BLK | 0.21 |
| III | TWISTED PAIR JACKETED LOUDSPEAKER 16 AWG | SPJ16 | WINDY CITY WIRE | 16-02-BLK | 0.184 |
| III | TWISTED PAIR JACKETED LOUDSPEAKER 16 AWG - REMOTE POWER | REMPWR | WINDY CITY WIRE | 16-02-BLK | 0.184 |
| III | 4 COND JACKETED 70V VOLUME CONTROL 16 AWG | VCTRL | WINDY CITY WIRE | 16-04-GRY | 0.215 |
| III | 4 COND JACKETED 1P-18AWG, 1P-22AWG+SHIELD | SP48 | WINDY CITY WIRE | CRESCOM | 0.228 |
| IV | ANALOG AND SDI COAX | VIDSDI | BELDEN | 1794A | 0.32 |
| IV | RF MIC AND ALS ANTENNA - SHORT RUN | ANTS | BELDEN | 7810A | 0.242 |
| IV | RF MIC AND ALS ANTENNA - LONG RUN | ANTL | BELDEN | 9914 | 0.403 |
| IV | CONTROL SYSTEM RS-232/ RS-485/ RELAY/ IR | CTRL | WINDY CITY WIRE | 18-1PS-COMM | 0.202 |
| IV | MIDI | MIDI | BELDEN | 9941 | 0.23 |
| IV | MEYER RMS | RMS | BELDEN | 8205 | 0.18 |
| V | SHIELDED CAT6A | STP | WINDY CITY WIRE | CAT6AS-BLK | 0.288 |
| V | UNSHIELDED CAT6A | UTP | BELDEN | 2412 | 0.22 |
| V | SINGLEMODE FIBER - 6CT. OS2 | 6OS2 | WINDY CITY WIRE | OCC-DZ006D-SLX 9YR | 0.21 |
| V | MULTIMODE FIBER - 6CT. OM4 | 6OM4 | WINDY CITY WIRE | OCC-DZ006DALE-9QR | 0.21 |
| V | SMPTE HYBRID | SMPTE | GEPCO | HDC920R | 0.362 |
| VI | EMPTY CONDUIT - 1" | COND1 | | | 1 |
| VI | EMPTY CONDUIT - 2" | COND2 | | | 2 |
| VI | BEVWAY DUCT | BEVWAY | KELLY BEVWAY | 8 INCH | |
| VI | FIRE STOP CABLE PASS - SINGLE | CBP1 | ABESCO | 1 EA. 31942 + 1 EA. 31982 | |
| VI | FIRE STOP CABLE PASS - TRIPLE | CBP3 | ABESCO | 3 EA. 31942 + 1 EA. 31986 | |

**NOTES:**

**1. CABLE SUBSTITUTIONS MAY BE ALLOWED IF APPROVED BY THE AV CONSULTANT. REFER TO 27 41 00 FOR SUBSTITUTION REQUEST REQUIREMENTS.**
**2. CABLE OUTER DIAMETER INFORMATION IS PROVIDED FOR GUIDANCE ONLY. MANUFACTURERS DO MAKE CHANGES TO THE CABLES FROM TIME TO TIME THAT AFFECT THE OUTER DIAMETER. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE CABLE DIAMETERS FOR THE PURPOSES OF APPROPRIATE CONDUIT SIZING.**
**3. WHEN SIZING CONDUITS, REFER TO 27 41 00 FOR SPARE CABLING REQUIREMENTS TO INCLUDE CABLE SPARES IN CONDUIT SIZING CALCULATIONS.**

CONDUIT SEPARATIONS BY AV SIGNAL TYPE

| | SIGNAL GROUP I | SIGNAL GROUP II | SIGNAL GROUP III | SIGNAL GROUP IV | SIGNAL GROUP V | SIGNAL GROUP VI |
|---|---|---|---|---|---|---|
| SIGNAL GROUP 1 - MIC | NONE | 6" | 12" | 12" | 12" | 12" |
| SIGNAL GROUP II - LINE LEVEL AND ANALOG COMM | 6" | NONE | 12" | 6" | 6" | 12" |
| SIGNAL GROUP III - LOUDSPEAKER | 12" | 12" | NONE | 6" | 6" | 12" |
| SIGNAL GROUP IV - COAXIAL VIDEO, ANTENNA, AND CONTROL | 12" | 6" | 6" | NONE | NONE | 12" |
| SIGNAL GROUP V - CATEGORY AND FIBER OPTIC | 12" | 6" | 6" | NONE | NONE | 12" |
| SIGNAL GROUP VI - EMPTY CONDUIT AND CABLE PASS | 12" | 12" | 12" | 12" | 12" | 12" |
| DIMMER AND SCR CONTROLLED SERVICES | 24" | 12" | 6" | 12" | 12" | 24" |
| 220 AND 440 VAC SERVICES | 6" | 6" | NONE | NONE | NONE | 6" |
| ALL OTHER ELECTRICAL SERVICES | 6" | 6" | NONE | NONE | NONE | 6" |

NOTES:

1. CONDUIT SEPARATIONS ABOVE ARE BASED ON THE USE OF EMT CONDUIT FOR ALL AV SIGNALS AND POWER SERVICES. IF PVC CONDUIT IS USED (ONLY ALLOWABLE UNDERGROUND FOR AV SIGNAL GROUPS), SEPARATIONS MUST BE DOUBLED. IF RIGID CONDUIT IS USED, SEPARATIONS MAY BE HALVED
2. CONDUITS MAY CROSS AT NINETY DEGREE ANGLES TO EACH OTHER IN CLOSE PROXIMITY.
3. ALL AV SIGNAL CONDUITS MUST MAINTAIN PROPER SEPARATIONS UNTIL WITHIN 6' OF A TERMINATION BOX, JUNCTION BOX, EQUIPMENT RACK OR GUTTER ENTRY.
4. HEAVY CURRENT DEMANDS IN ABOVE POWER SERVICES MAY REQUIRE GREATER SEPARATIONS THAN INDICATED TO AVOID INTERFERENCE IN AV SYSTEMS.
5. PARALLEL RUNS OF POWER SERVICES GREATER THAN 100' MAY REQUIRE GREATER SEPARATIONS THAN INDICATED TO AVOID INTERFERENCE IN AV SYSTEMS.
6. THE CONTRACTOR MUST RECEIVE WRITTEN APPROVAL FROM THE AV CONSULTANT FOR DEVIATION FROM THESE REQUIREMENTS.



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PROJECT NUMBER:
**202331.00**

CONSULTANT:

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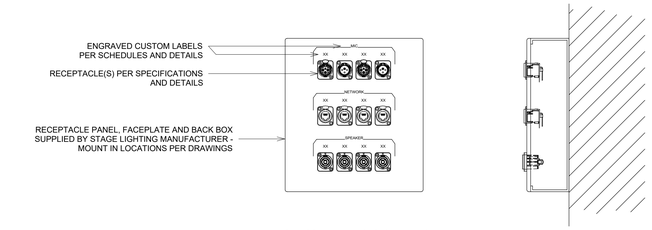
SEAL:

ISSUE DATE:
**1.24.2024**

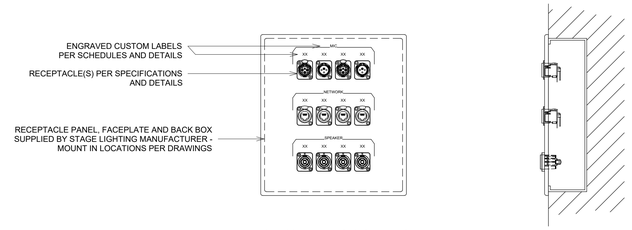
SHEET NUMBER:
**AV001**

**AV NOTES**



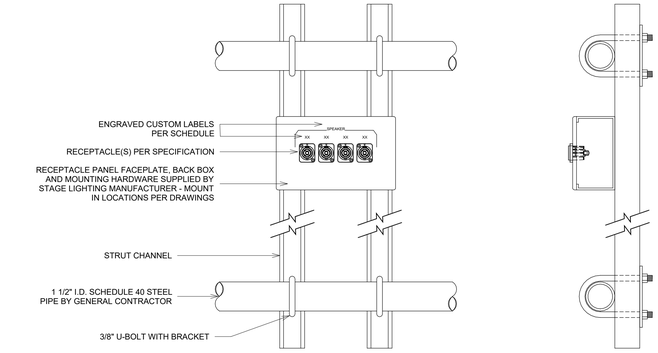

NOTE: CONFIRM ALL CUSTOM LABELS

1 DETAIL AT AV PANEL - TYPICAL
SURFACE MOUNT
3" = 1'-0"



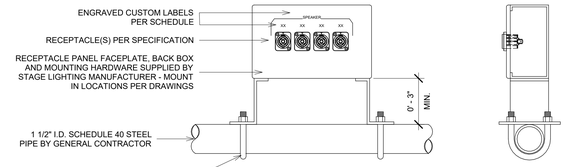

NOTE: CONFIRM ALL CUSTOM LABELS

2 DETAIL AT AV PANEL - TYPICAL
RECESSED
3" = 1'-0"



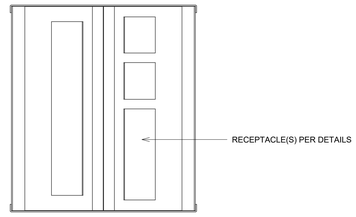

NOTE: CONFIRM ALL CUSTOM LABELS

3 DETAIL AT AV PANEL - TYPICAL
CATWALK RAIL MOUNT
3" = 1'-0"



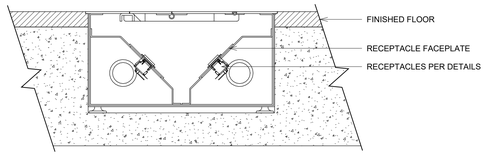

NOTE: CONFIRM ALL CUSTOM LABELS

4 DETAIL AT AV PANEL - TYPICAL PIPE
MOUNT
3" = 1'-0"



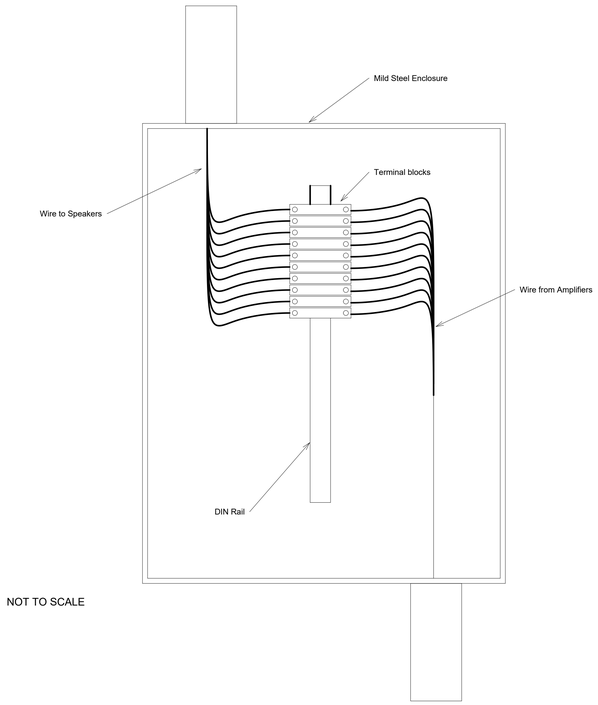

NOTE: CONFIRM ALL CUSTOM LABELS

PLAN




SECTION

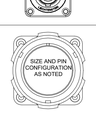
5 DETAIL AT AV PANEL - TYPICAL
RECESSED FLOOR BOX
3" = 1'-0"




NOT TO SCALE

6 Loudspeaker Transfer Panel
1" = 1'-0"

**KEY TO STANDARD CONNECTORS**

| CONNECTOR | TYPE | FLOW | MANUFACTURER | MODEL | DESCRIPTION |
|---|---|---|---|---|---|
|  | XLR | SEND | NEUTRIK | NC3MD-L-BAG-1 | 3 PIN XLR PANEL MOUNT BLACK 'MALE' |
|  | XLR | RECEIVE | NEUTRIK | NC3FDM3-L-1-4 | 3 PIN XLR PANEL MOUNT BLACK 'FEMALE' |
|  | CATEGORY | BI-DIRECTIONAL | NEUTRIK | NE8FDX-Y6 | ETHERCON 8P8C SHEILDED CAT6A PANEL MOUNT BLACK<br>MUST BE SUPPLIED WITH SPRING LOADED DUST CAPS |
|  | FIBER | BI-DIRECTIONAL | NEUTRIK | NO2-4FDW-1-A | 2 CORE OPTICALCON FIBER PANEL MOUNT BLACK<br>MUST BE SUPPLIED WITH SPRING LOADED DUST CAPS |
|  | BNC | SEND OR RECEIVE | NEUTRIK | NBB75DFIB-6 | 1 PIN COXIAL PANEL MOUNT BLACK 'FEMALE' |
|  | HDMI | SEND OR RECEIVE | NEUTRIK | NAHDMI-W-B | HDMI PANEL MOUNT BLACK 'FEMALE' |
|  | SPEAKER | SEND OR RECEIVE | NEUTRIK | NLT4MPXX | 8 POSITION PANEL MOUNT BLACK 'MALE'<br>METAL CHASSIS |
|  | LINK | SEND OR RECEIVE DEPENDING ON CONFIGURATION | LINK | SIZE AND PIN CONFIGURATION AS NOTED | MULTIPIN LOCKING CONNECTOR AS CONFIGURED |

CHECK ALL NOTES FOR ADDITIONAL INFORMATION ABOUT SPECIFIC CONNECTORS

7 Connectors
6" = 1'-0"



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ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
**AV011**

**AV STANDARD DETAILS**

| Audio Visual Conduit Schedule | | |
|---|---|---|
| SIGNAL GROUP | DESTINATION | Min. Conduit Size |
| AMRK | | |
| V | CRRK | 1 1/4" |
| VI | CRRK | 2" |
| BSGR | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| BSNC | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| BSTD | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| CARK | | |
| V | CRRK | 1 1/4" |
| CLTP | | |
| III | CARK | 3" |
| CRCB | | |
| V | CRRK | 1 1/4" |
| CRMX | | |
| V | CRRK | 1 1/4" |
| HSBR | | |
| V | CRRK | 1 1/4" |
| HSMX | | |
| V | CRRK | 1 1/4" |
| LSCC | | |
| III | LSTP | 1 1/4" |
| LSCL | | |
| III | LSTP | 1 1/4" |
| LSDF | | |
| III | CLTP | 3/4" |
| LSDL | | |
| III | LSTP | 3/4" |
| LSML | | |
| III | LSTP | 2" |
| LSMN | | |
| III | LSTP | 2 1/2" |
| LSPR | | |
| III | LSTP | 1 1/4" |
| LSSB | | |
| III | LSTP | 1 1/4" |
| LSSF | | |
| III | LSTP | 1" |
| LSSL | | |
| III | LSTP | 1 1/4" |
| LSSR | | |
| III | CLTP | 3/4" |
| LSTP | | |
| III | AMRK | 4" |
| LSUB | | |
| III | CLTP | 3/4" |
| PITA | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| STA2 | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| STAN | | |
| V | AMRK | 3/4" |
| STGA | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| STGB | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| STTR | | |
| V | AMRK | 1 1/4" |
| V | CRRK | 1 1/4" |
| WBGR | | |
| V | WCRK | 1 1/4" |
| WCMX | | |
| V | WCRK | 1 1/4" |
| WCRK | | |
| V | AMRK | 1 1/4" |
| WHAN | | |
| V | WCRK | 3/4" |
| WHMX | | |
| V | WCRK | 1 1/4" |
| WPTA | | |
| V | WCRK | 1 1/4" |
| WSA2 | | |
| V | WCRK | 1 1/4" |
| WSGA | | |
| V | WCRK | 1 1/4" |
| WSGB | | |
| V | WCRK | 1 1/4" |

REFER TO AUDIO VIDEO BACK BOX SCHEDULE FOR QUANTITIES OF EACH TERMINATION ID

NOTES:
1. AV CABLING CONDUIT HAS STRICT REQUIREMENTS REGARDING SIGNAL TYPES ALLOWED TO SHARE CONDUITS, SEPARATION OF CONDUITS FROM OTHER TYPES, AND OTHER SOURCES OF POTENTIAL INTERFERENCE, SUCH AS POWER CONDUITS, AND CONDUIT SIZING. THE CONDUIT SIZE SCHEDULE SHOWS THE QUANTITY, TYPES, AND SIZE OF CONDUIT NEEDED TO BRING CABLING TO EACH PARTICULAR TERMINATION BACK BOX AND PANEL. THE TERMINATION AND CONDUIT SIZE SCHEDULES ALSO INDICATE THE INTENDED DESTINATION OF EACH TYPE OF CABLING (CONDUIT) LISTED.
2. ALL OF THIS INFORMATION IS PROVIDED SO THAT A PROPER CONDUIT SYSTEM DESIGN TO SUPPORT THE AV SYSTEMS CABLING CAN BE DESIGNED AND COORDINATED. IT IS IMPORTANT TO NOTE THAT IT IS NOT THE INTENTION THAT EACH CONDUIT SHOULD HOME RUN TO ITS DESTINATION. THIS IS OFTEN IMPOSSIBLE TO DO IN THE SPACE ALLOWED AND IS A VERY EXPENSIVE WAY TO PROVIDE CONDUIT FOR THE AV SYSTEMS. CONDUITS OF LIKE SIGNAL GROUPS (INDICATED AS GROUPS 1 THROUGH 6 IN THE SCHEDULES) MAY BE BROUGHT TOGETHER AT A JUNCTION BOX AND THEN A SINGLE LARGER CONDUIT CAN RUN FROM THERE TO THE DESTINATION(S). THIS IS A MORE EFFICIENT AND COST-EFFECTIVE WAY TO DESIGN A CONDUIT SYSTEM FOR THE AV CABLING. ALSO IMPORTANT TO NOTE, THE JUNCTION BOXES MUST BE SEPARATED BY SIGNAL GROUP AS WELL SO THAT ONLY ONE SIGNAL GROUP IS IN EACH JUNCTION BOX. DIVIDERS ARE NOT ALLOWED.
3. CONDUIT SIZE ESTIMATION IS PROVIDED AS GUIDANCE FOR BUDGETING ONLY. CONTRACTOR IS RESPONSIBLE FOR CALCULATING ALL FACTORS RELATING TO CONDUIT FILL, BEND RADIUS, AND ANY OTHER PARAMETERS.

| Audio Visual Power Schedule | | | | | |
|---|---|---|---|---|---|
| Power ID | Volts | Amps | Phase | Receptacle Type | Receptacle QTY |
| AMRK | | | | | |
| AVIG | 120V | 30A | 1PH | TAILS | 7 |
| CARK | | | | | |
| AVIG | 120V | 30A | 1PH | TAILS | 3 |



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PROJECT:
**TULSA PERFORMING ARTS CENTER**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

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SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV031
**AV SCHEDULES 1**

| Audio Visual Termination Schedule | | | | |
|---|---|---|---|---|
| SIGNAL GROUP | CODE | WIRE QTY | DESTINATION | SPARES |
| AMRK | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| VI | COND2 | 0 | CRRK | 0 |
| BSGR | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| BSNC | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| BSTD | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| CARK | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| CLTP | | | | |
| III | SP12 | 46 | CARK | 5 |
| CRCB | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| CRMX | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| HSBR | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| HSMX | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | CRRK | 1 |
| LSCC | | | | |
| III | SP10 | 6 | LSTP | 1 |
| LSCL | | | | |
| III | SP10 | 4 | LSTP | 1 |
| LSDF | | | | |
| III | SP10 | 1 | CLTP | 1 |
| LSDL | | | | |
| III | SP10 | 1 | LSTP | 1 |
| LSML | | | | |
| III | SP10 | 12 | LSTP | 2 |
| LSMN | | | | |
| III | SP10 | 16 | LSTP | 2 |
| LSPR | | | | |
| III | SP10 | 4 | LSTP | 1 |
| LSSB | | | | |
| III | SP10 | 4 | LSTP | 1 |
| LSSF | | | | |
| III | SP10 | 2 | LSTP | 1 |
| LSSL | | | | |
| III | SP10 | 4 | LSTP | 1 |
| LSSR | | | | |
| III | SP10 | 1 | CLTP | 1 |
| LSTP | | | | |
| III | SP10 | 4 | LSTP | 1 |
| LSSR | | | | |
| III | SP10 | 1 | CLTP | 1 |
| LSTP | | | | |
| III | SP12 | 112 | AMRK | 6 |
| LSUB | | | | |
| III | SP10 | 1 | CLTP | 1 |
| PITA | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| STA2 | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| STAN | | | | |
| V | STP | 1 | AMRK | 1 |
| STGA | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| STGB | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| STTR | | | | |
| V | 60M4 | 2 | CRRK | 0 |
| V | STP | 4 | AMRK | 1 |
| WBGR | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WCMX | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WCRK | | | | |
| V | 60M4 | 2 | AMRK | 0 |
| V | STP | 4 | AMRK | 1 |
| WHAN | | | | |
| V | STP | 1 | WCRK | 1 |
| WHMX | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WPTA | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WSA2 | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WSGA | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |
| WSGB | | | | |
| V | 60M4 | 2 | WCRK | 0 |
| V | STP | 4 | WCRK | 1 |

NOTE: REFER TO AUDIO VIDEO BACK BOX SCHEDULE FOR QUANTITIES OF EACH TERMINATION ID

| Audio Video Back Box Schedule | | | | | | |
|---|---|---|---|---|---|---|
| Termination ID | FUNCTION | QTY | Box Size | Elevation from Level | Key | Note |
| AMP | AMP RACK | 1 | (none) | -19' - 6" | L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| BSGR | BACKSTAGE GREEN ROOM | 1 | 6X8X6 | 2' - 0" | K | SITE VERIFY LOCATION |
| BSNC | BACKSTAGE NETWORK CLOSET | 1 | 6X8X6 | 2' - 0" | | |
| BSTD | BACKSTAGE TECHNICAL OFFICE | 1 | 8X8X6 | 2' - 0" | K | SITE VERIFY LOCATION |
| CARK | CONTROL ROOM AMP RACK | 1 | (none) | 0' - 0" | A | SEE RACK ELEVATION FOR DETAILS |
| CLTP | CONTROL ROOM LOUDSPEAKER TRANSFER PANEL | 1 | (none) | 0' - 0" | B | SEE STANDARD DETAIL |
| CRCB | CONTROL CENTER BOOTH | 1 | 6X8X6 | 2' - 0" | | |
| CRMX | CONTROL ROOM MIX | 1 | 6X8X6 | 2' - 0" | | |
| CRRK | CONTROL ROOM RACK | 1 | (none) | 2' - 0" | A | SEE RACK ELEVATION FOR DETAILS |
| HSMX | HOUSE MIX | 1 | 6X8X6 | 2' - 0" | | |
| LSCC | CENTER CLUSTER LOUDSPEAKER | 1 | 8X8X6 | 6' - 0" | | |
| LSCL | CENTER DELAY LOUDSPEAKER | 1 | 6X6X6 | 0' - 0" | | |
| LSDF | DELAY FILL LOUDSPEAKER | 2 | 1 GANG | <varies> | G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| LSDL | DELAY LOUDSPEAKER | 2 | 1 GANG | 15' - 0" | | |
| LSML | MAIN DELAY LOUDSPEAKER | 2 | 8X8X6 | 0' - 0" | | |
| LSMN | MAIN LOUDSPEAKER | 2 | 10X8X6 | -16' - 6" | H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| LSPR | PIT RAIL LOUDSPEAKER | 2 | 1 GANG | 2' - 0" | C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| LSSB | SUBWOOFER LOUDSPEAKER | 1 | 6X6X6 | 6' - 0" | | |
| LSSF | SIDE FILL LOUDSPEAKER | 2 | 1 GANG | <varies> | | |
| LSSL | STAGE LIP LOUDSPEAKER | 2 | 1 GANG | 2' - 0" | D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| LSSR | SURROUND LOUDSPEAKER | 36 | 1 GANG | <varies> | | |
| LSSR | SURROUND LOUDSPEAKER | 2 | 1 GANG | 8' - 0" | F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| LSSR | SURROUND LOUDSPEAKER | 4 | 1 GANG | -13' - 4" | J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| LSTP | LOUDSPEAKER TRANSFER PANEL | 1 | 12X8X4 | 5' - 0" | M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |
| LSUB | UNDERBALCONY LOUDSPEAKER | 7 | 1 GANG | 8' - 0" | | |
| PITA | PIT TYPE A | 2 | 6X8X6 | 2' - 0" | E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| STA2 | STAGE A2 | 1 | 6X8X6 | 2' - 0" | | |
| STAN | STAGE ANTENNA | 1 | (none) | 10' - 0" | | |
| STGA | STAGE A DS | 2 | 6X8X6 | 2' - 0" | | |
| STGB | STAGE B US | 2 | 6X8X6 | 2' - 0" | | |
| STTR | STAGE TRAP ROOM | 1 | 6X8X6 | 2' - 0" | | |
| WBGR | WILLIAMS GREEN ROOM | 1 | 6X8X6 | 2' - 0" | K | SITE VERIFY LOCATION |
| WCMX | WILLIAMS CONTROL RM MIX | 1 | 6X8X6 | 2' - 0" | | |
| WCRK | WILLIAMS CONTROL RM RACK | 1 | (none) | 7' - 0" | A | SEE RACK ELEVATION FOR DETAILS |
| WHAN | WILLIAMS STAGE ANTENNA | 1 | 2 GANG | 10' - 0" | | |
| WHMX | WILLIAMS HOUSE MIX | 1 | 6X8X6 | 2' - 0" | | |
| WPTA | WILLIAMS PIT TYPE A | 2 | 6X8X6 | 2' - 0" | E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| WSA2 | WILLIAMS STAGE A2 | 1 | 6X8X6 | 2' - 0" | | |
| WSGA | WILLIAMS STAGE A | 2 | 6X8X6 | 2' - 0" | | |
| WSGB | WILLIAMS STAGE B | 2 | 6X8X6 | 2' - 0" | | |

NOTE:
1. CONFIRM MOUNTING AND COLORS OF ALL PANELS WITHIN AUDIENCE OR CAMERA VIEW WITH ARCHITECT
2. ELEVATION FROM LEVEL IS DEFINED AS HEIGHT ABOVE FINISHED FLOOR TO CENTER OF THE BACK BOX



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PROJECT:
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**202331.00**

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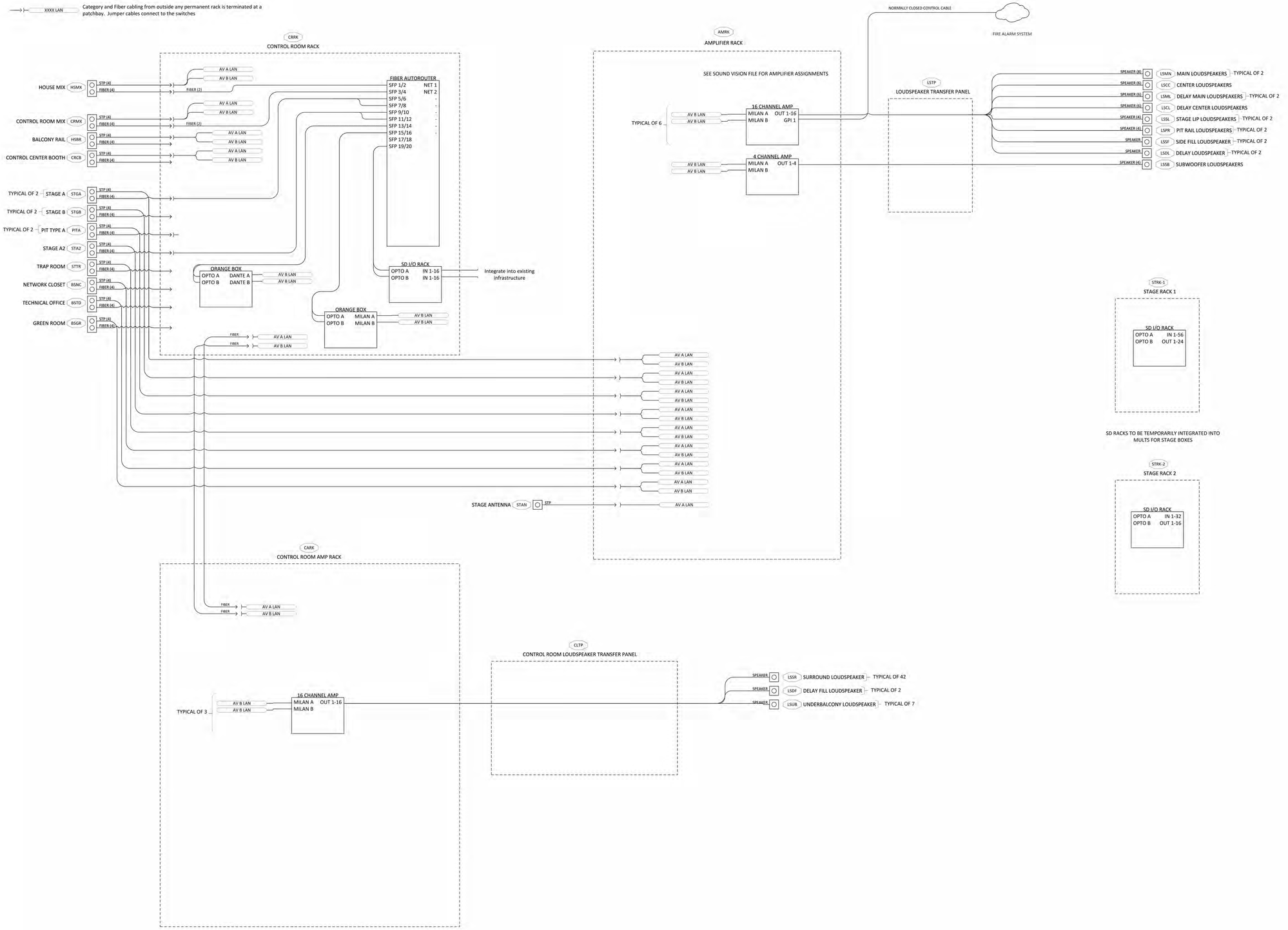
SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV032
**AV SCHEDULES 2**





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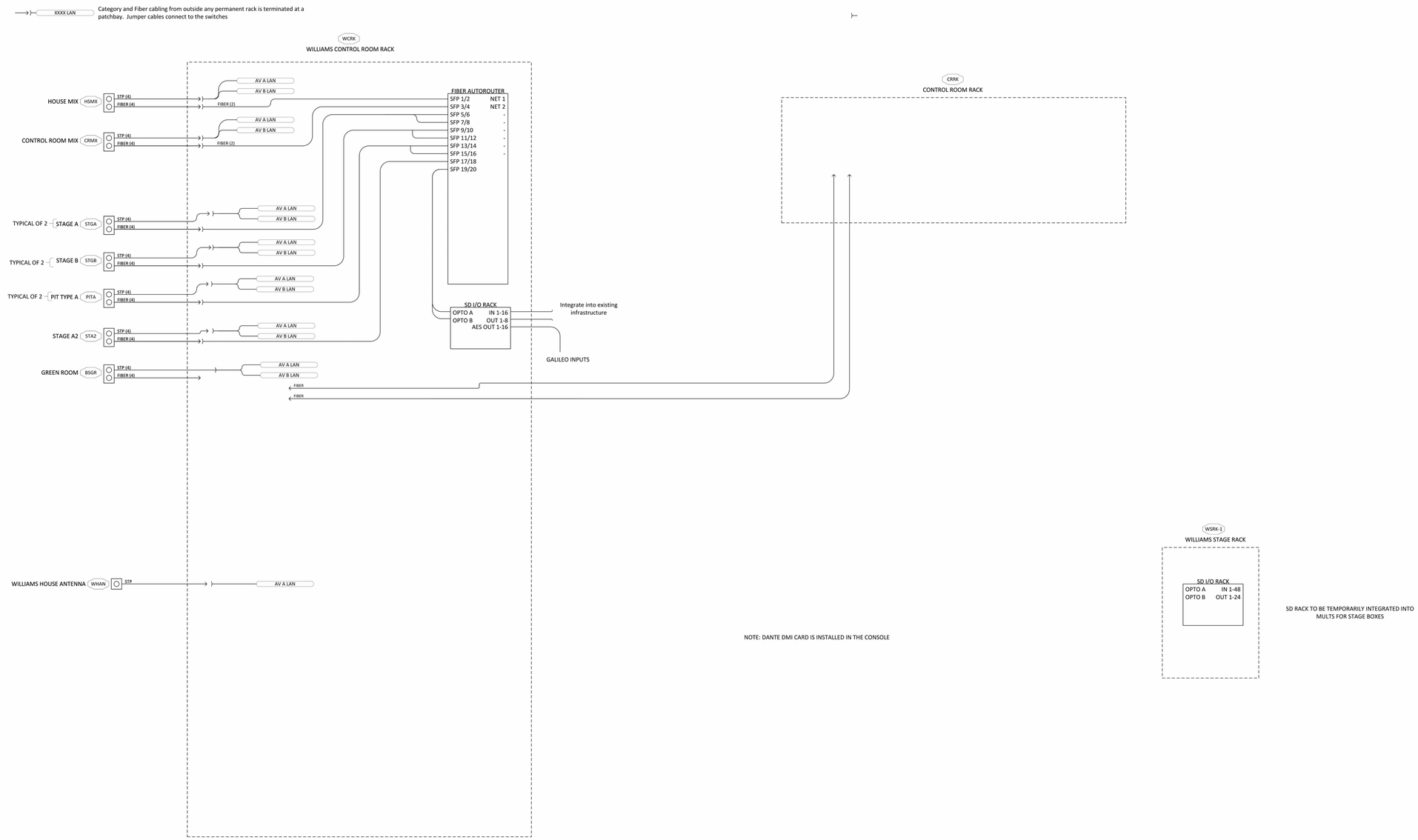
SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV051
**AV SINGLE LINE - CHAPMAN**



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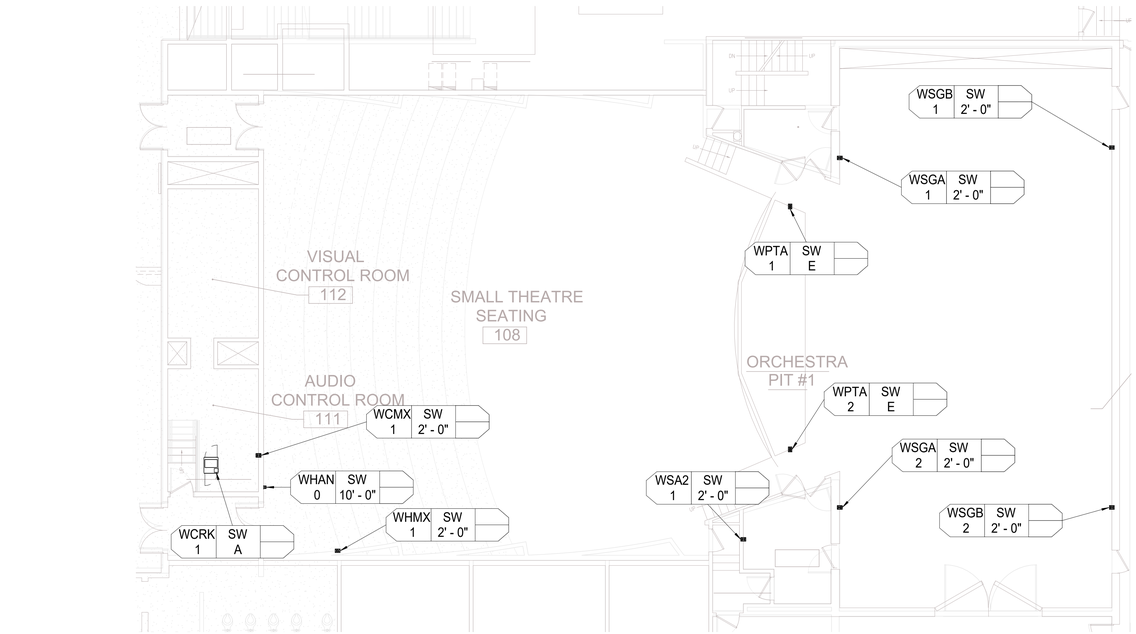
**1.24.2024**

SHEET NUMBER:
**AV052**

**AV SINGLE LINE - WILLIAMS**




1 LEVEL 1 WILLIAMS
1/8" = 1'-0"

| KEYED NOTES | |
|---|---|
| KEY | NOTE |

| | |
|---|---|
| A | SEE RACK ELEVATION FOR DETAILS |
| B | SEE STANDARD DETAIL |
| C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| K | SITE VERIFY LOCATION |
| L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |



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SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV101
**AV 1ST FLOOR PLAN - WILLIAMS**

| KEYED NOTES | |
|---|---|
| KEY | NOTE |
| | |
| A | SEE RACK ELEVATION FOR DETAILS |
| B | SEE STANDARD DETAIL |
| C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| K | SITE VERIFY LOCATION |
| L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |


1 LEVEL 3 CHAPMAN
1/8" = 1'-0"

**NOTES:**
1. **ALL SPEAKER LOCATIONS MUST BE FIELD VERIFIED TO CONFIRM LOCAL CONDITIONS.**
2. **SPEAKER HEIGHT ABOVE FINISHED FLOOR ARE GUIDELINES FOR CREATING SMOOTH COVERAGE ACROSS THE SEATING AREA, LOCAL CONDITIONS MAY REQUIRE VARIANCES.**
3. **IT IS THE INTENT OF THIS DESIGN TO REUSE AS MUCH EXISTING SPEAKER WIRING AS POSSIBLE. A FULL EVALUATION OF THE CURRENT TYPE, SIZE, ROUTING, AND AGE OF THE INSTALLED WIRE MUST BE PERFORMED.**

beck DESIGN



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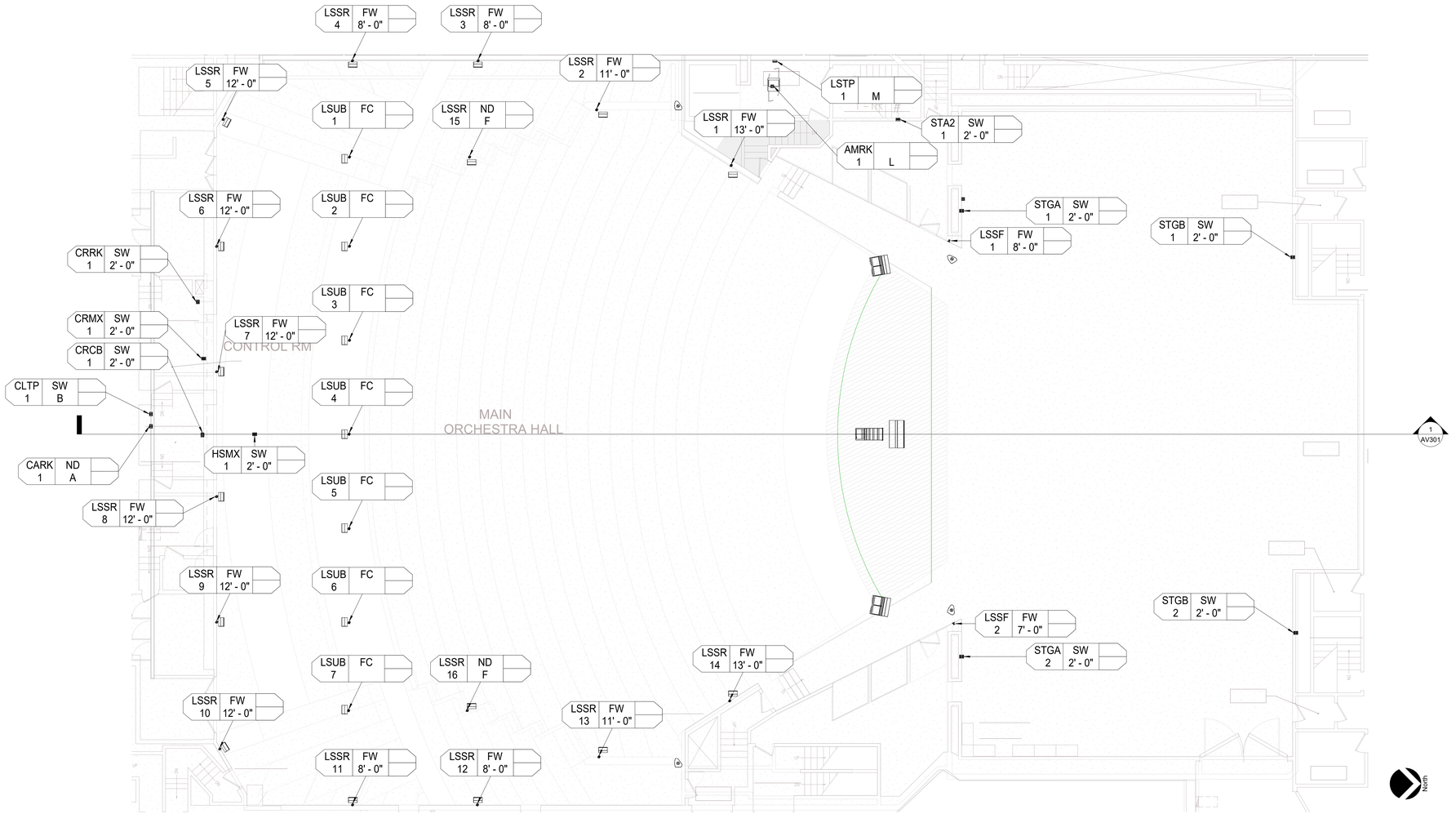
SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV103
**AV 3rd FLOOR PLAN - CHAPMAN**

| KEYED NOTES | |
|---|---|
| KEY | NOTE |
| | |
| A | SEE RACK ELEVATION FOR DETAILS |
| B | SEE STANDARD DETAIL |
| C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| K | SITE VERIFY LOCATION |
| L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |




1 LEVEL 4 CHAPMAN
1/8" = 1'-0"

**NOTES:**
1. ALL SPEAKER LOCATIONS MUST BE FIELD VERIFIED TO CONFIRM LOCAL CONDITIONS.
2. SPEAKER HEIGHT ABOVE FINISHED FLOOR ARE GUIDELINES FOR CREATING SMOOTH COVERAGE ACROSS THE SEATING AREA, LOCAL CONDITIONS MAY REQUIRE VARIANCES.
3. IT IS THE INTENT OF THIS DESIGN TO REUSE AS MUCH EXISTING SPEAKER WIRING AS POSSIBLE. A FULL EVALUATION OF THE CURRENT TYPE, SIZE, ROUTING, AND AGE OF THE INSTALLED WIRE MUST BE PERFORMED.



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SEAL:

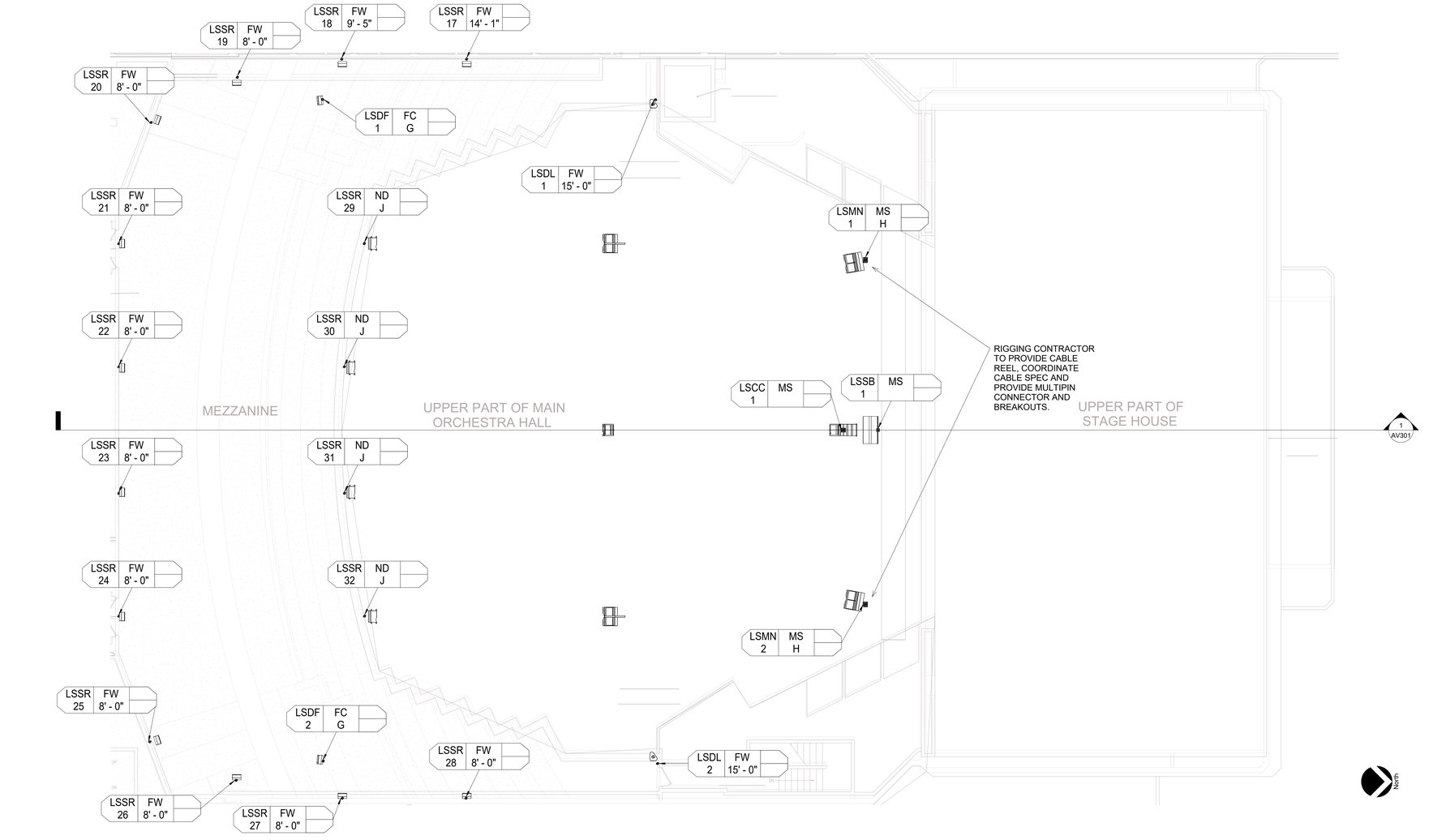
ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV104

**AV 4th FLOOR PLAN - CHAPMAN**

| KEYED NOTES | |
|---|---|
| KEY | NOTE |

| | |
|---|---|
| A | SEE RACK ELEVATION FOR DETAILS |
| B | SEE STANDARD DETAIL |
| C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| K | SITE VERIFY LOCATION |
| L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |




1 LEVEL 5 CHAPMAN
1/8" = 1'-0"

**NOTES:**
1. ALL SPEAKER LOCATIONS MUST BE FIELD VERIFIED TO CONFIRM LOCAL CONDITIONS.
2. SPEAKER HEIGHT ABOVE FINISHED FLOOR ARE GUIDELINES FOR CREATING SMOOTH COVERAGE ACROSS THE SEATING AREA, LOCAL CONDITIONS MAY REQUIRE VARIANCES.
3. IT IS THE INTENT OF THIS DESIGN TO REUSE AS MUCH EXISTING SPEAKER WIRING AS POSSIBLE. A FULL EVALUATION OF THE CURRENT TYPE, SIZE, ROUTING, AND AGE OF THE INSTALLED WIRE MUST BE PERFORMED.



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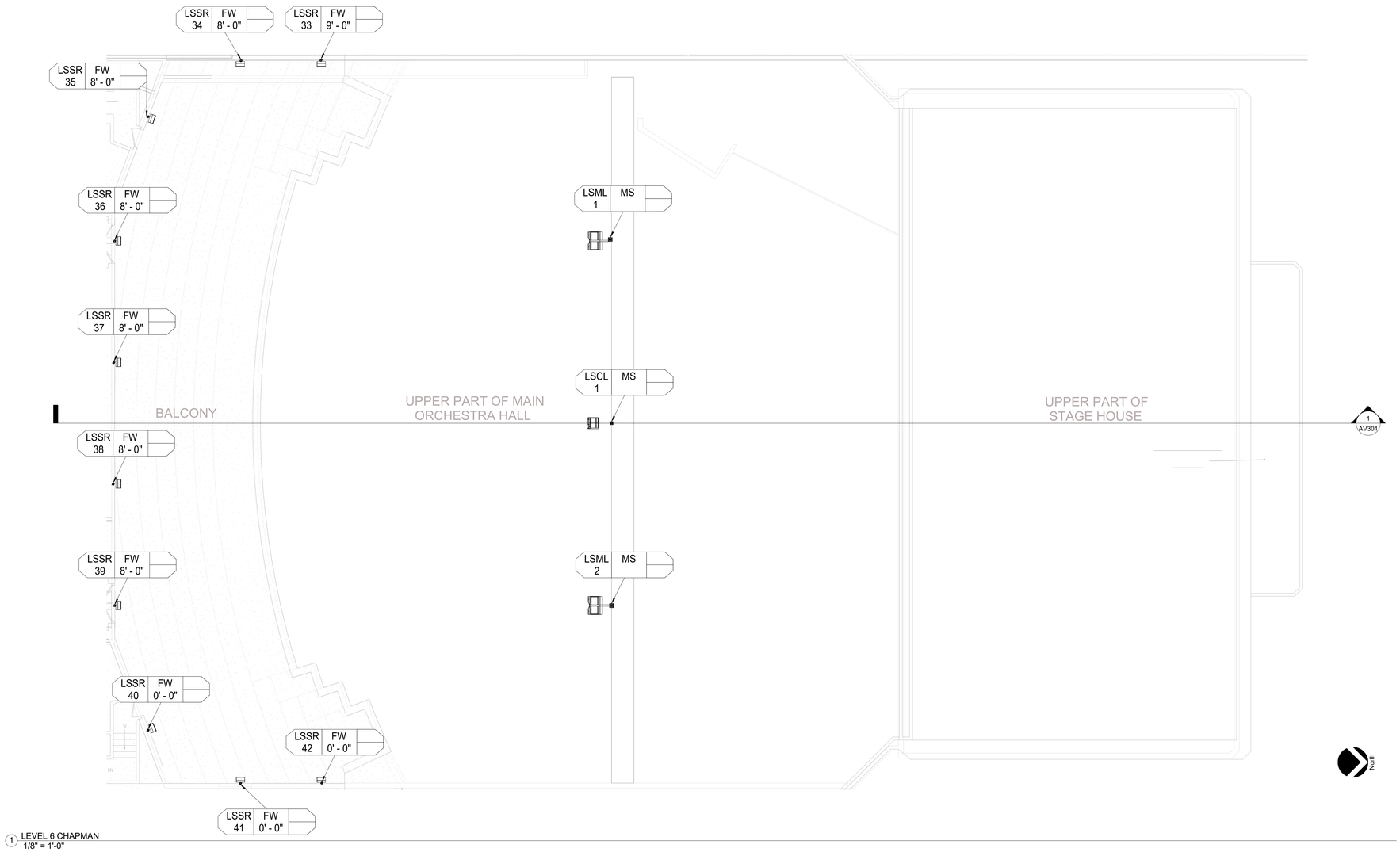
SEAL:

ISSUE DATE:
**1.24.2024**

SHEET NUMBER:
# AV105
**AV 5th FLOOR PLAN - CHAPMAN**

| KEYED NOTES | |
|---|---|
| KEY | NOTE |

| | |
|---|---|
| A | SEE RACK ELEVATION FOR DETAILS |
| B | SEE STANDARD DETAIL |
| C | CUSTOM CABLE LOOM TO PIT RAIL SPEAKERS REQUIRED, PIT RAIL SPEAKER TO BE BUILT INTO FUTURE REBUILD OF PIT RAIL |
| D | CUSTOM CABLE LOOM TO STAGE LIP SPEAKERS REQUIRED |
| E | SITE VERIFY POSITION FOR PIT PANELS, POSSIBLY MATCH CURRENT ANALOG CONNECTION LOCATIONS |
| F | COORDINATE POSITIONS WITH ARCHITECT TO MINIMIZE AESTHETIC IMPACT |
| G | RCP UNAVAILABLE, SITE VERIFY CEILING CONDITION |
| H | SEE TR DRAWINGS FOR WINCH REQUIRED, ARRAY MUST FIT THROUGH THE ACOUSTIC PANEL |
| J | POSITIONS TO BE AT THE FRONT OF THE PLATFORM, PLATFORM MUST BE CLEAR |
| K | SITE VERIFY LOCATION |
| L | SEE RACK ELEVATION FOR DETAILS, LOCATED AT "THE ROCK" |
| M | SEE STANDARD DETAIL, LOCATED AT "THE ROCK" |




1 LEVEL 6 CHAPMAN
1/8" = 1'-0"

**NOTES:**
1. **ALL SPEAKER LOCATIONS MUST BE FIELD VERIFIED TO CONFIRM LOCAL CONDITIONS.**
2. **SPEAKER HEIGHT ABOVE FINISHED FLOOR ARE GUIDELINES FOR CREATING SMOOTH COVERAGE ACROSS THE SEATING AREA, LOCAL CONDITIONS MAY REQUIRE VARIANCES.**
3. **IT IS THE INTENT OF THIS DESIGN TO REUSE AS MUCH EXISTING SPEAKER WIRING AS POSSIBLE. A FULL EVALUATION OF THE CURRENT TYPE, SIZE, ROUTING, AND AGE OF THE INSTALLED WIRE MUST BE PERFORMED.**



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**202331.00**

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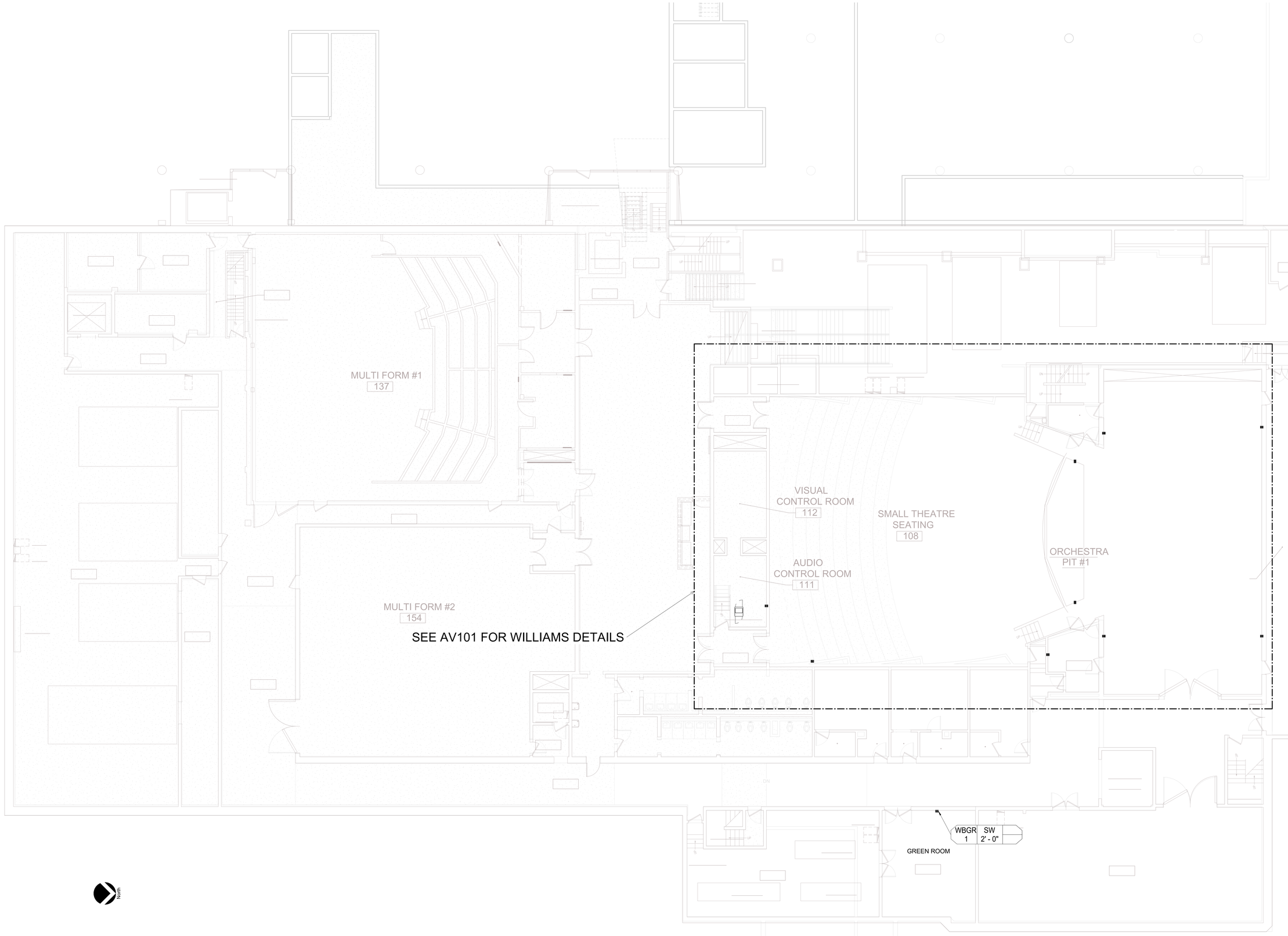
SHEET NUMBER:
# AV106
**AV 6th FLOOR PLAN - CHAPMAN**




1 LEVEL 1
1/8" = 1'-0"



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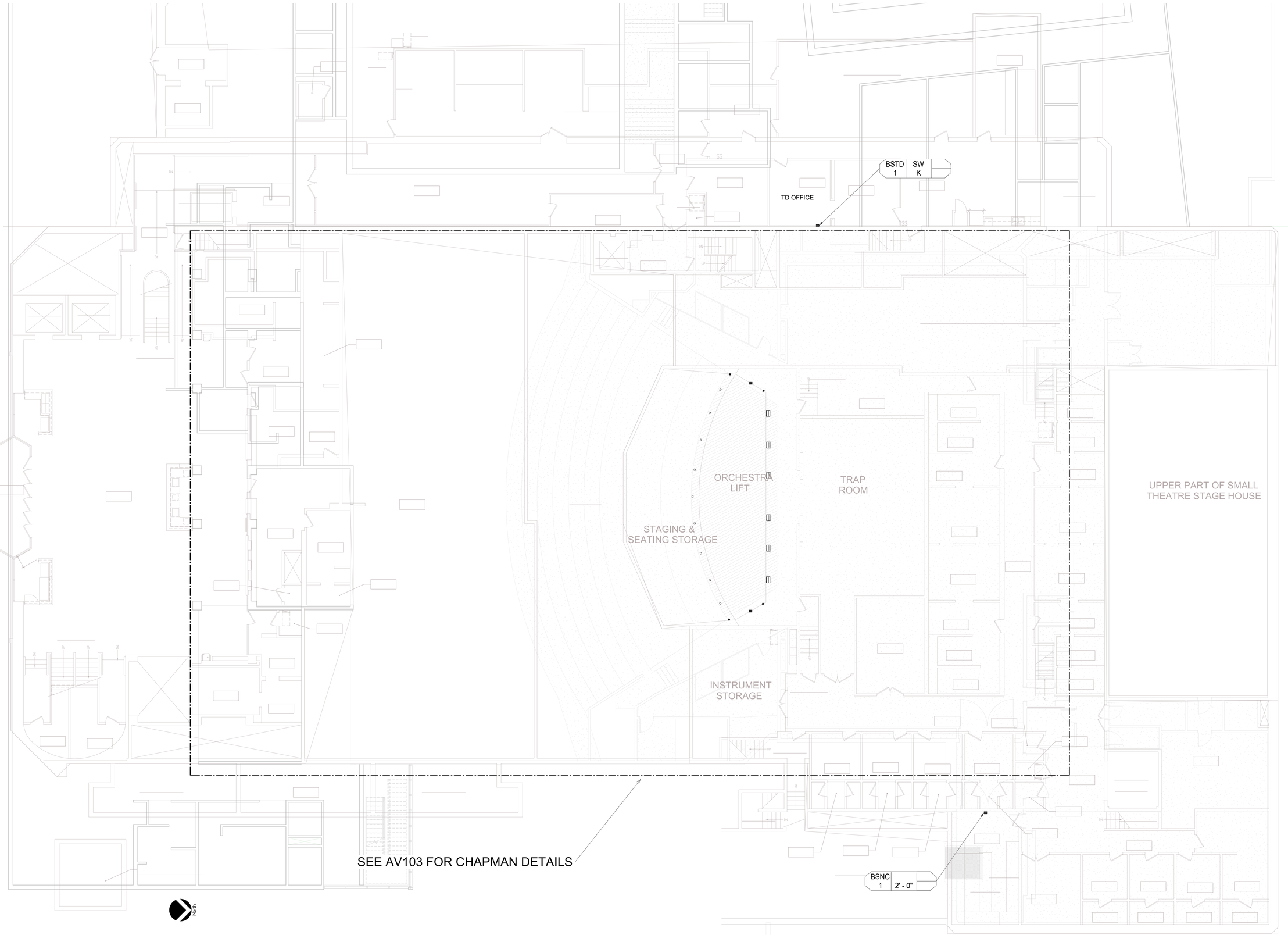
**AV107**

**AV 1st FLOOR FACILITY PLAN**




1 LEVEL 3
1/8" = 1'-0"



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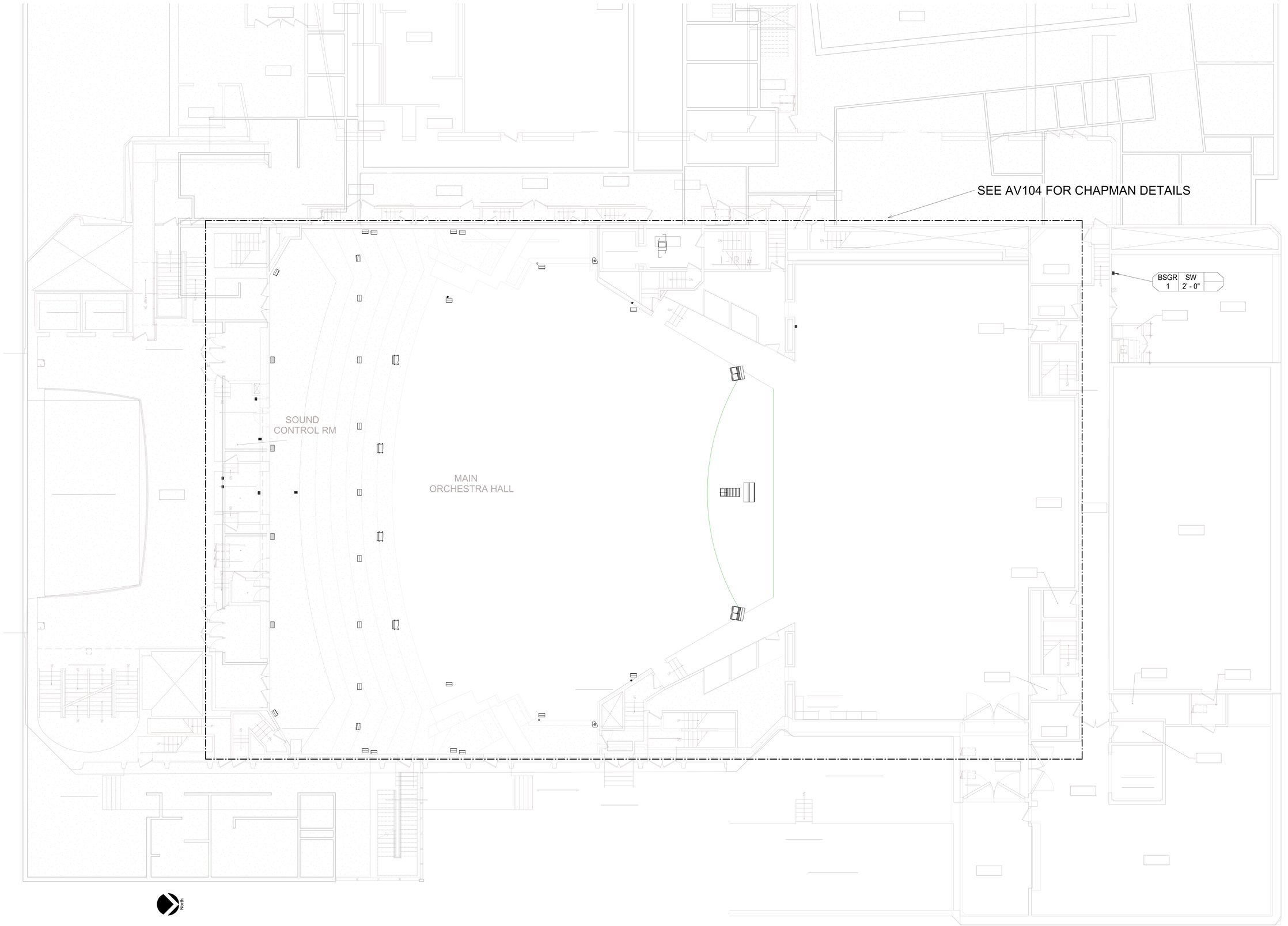
# AV108
**AV 3rd FLOOR FACILITY PLAN**




1 LEVEL 4
1/8" = 1'-0"

beck DESIGN



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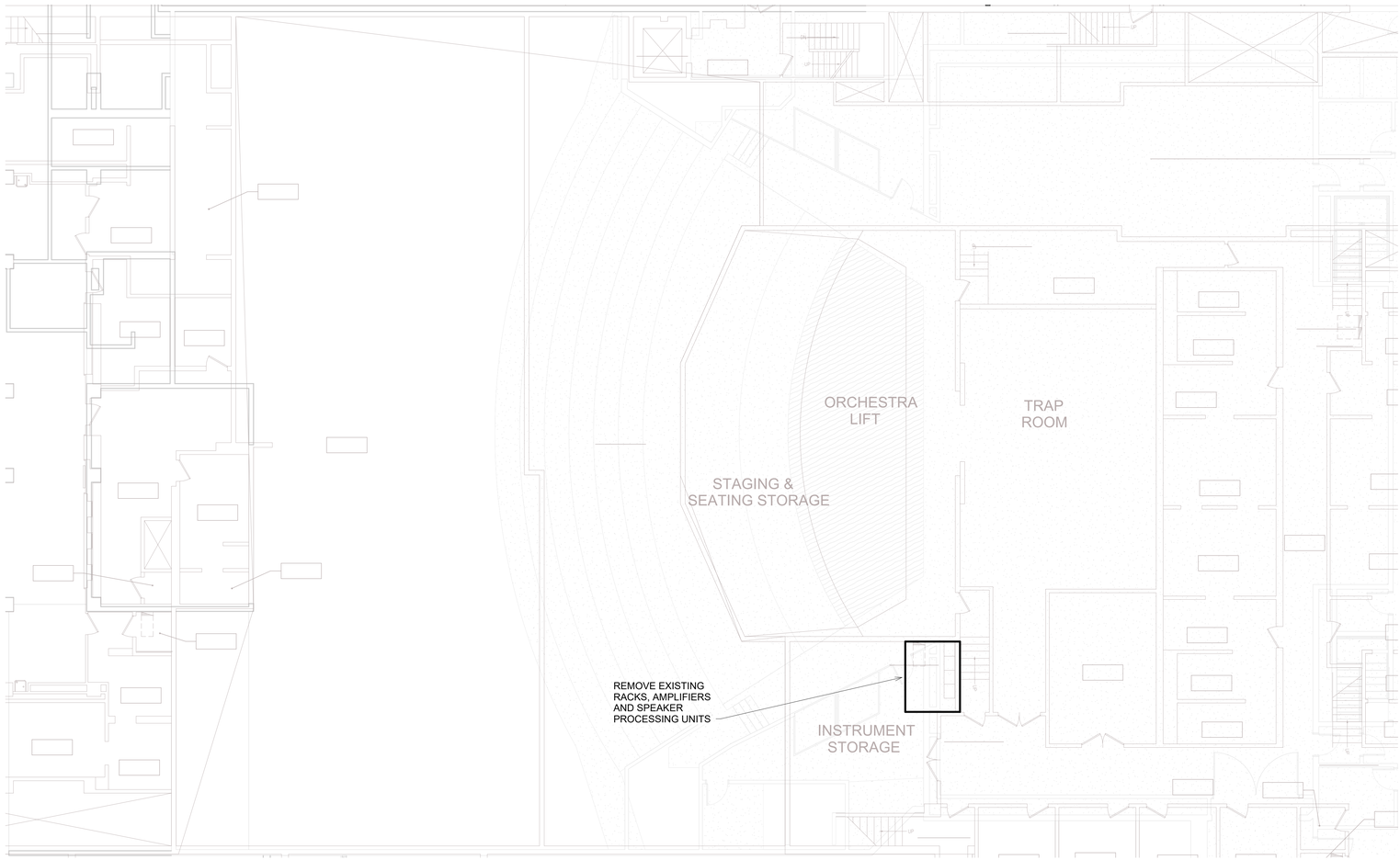
# AV109

**AV 4th FLOOR FACILITY PLAN**




1 LEVEL 3 CHAPMAN DEMO
1/8" = 1'-0"

beck
DESIGN



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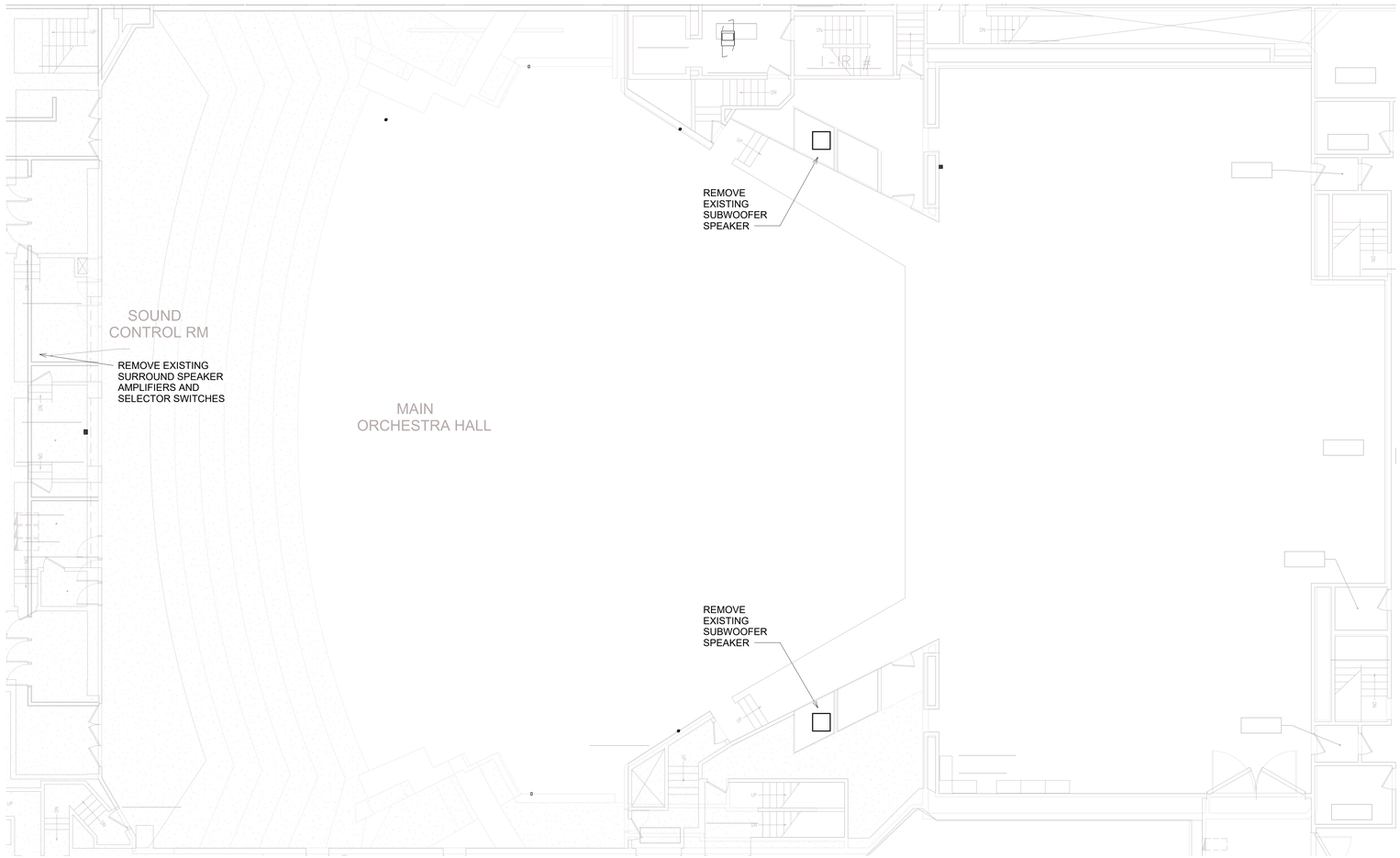
# AV113

**AV 3rd FLOOR PLAN - CHAPMAN DEMO**




1 LEVEL 4 CHAPMAN DEMO
1/8" = 1'-0"



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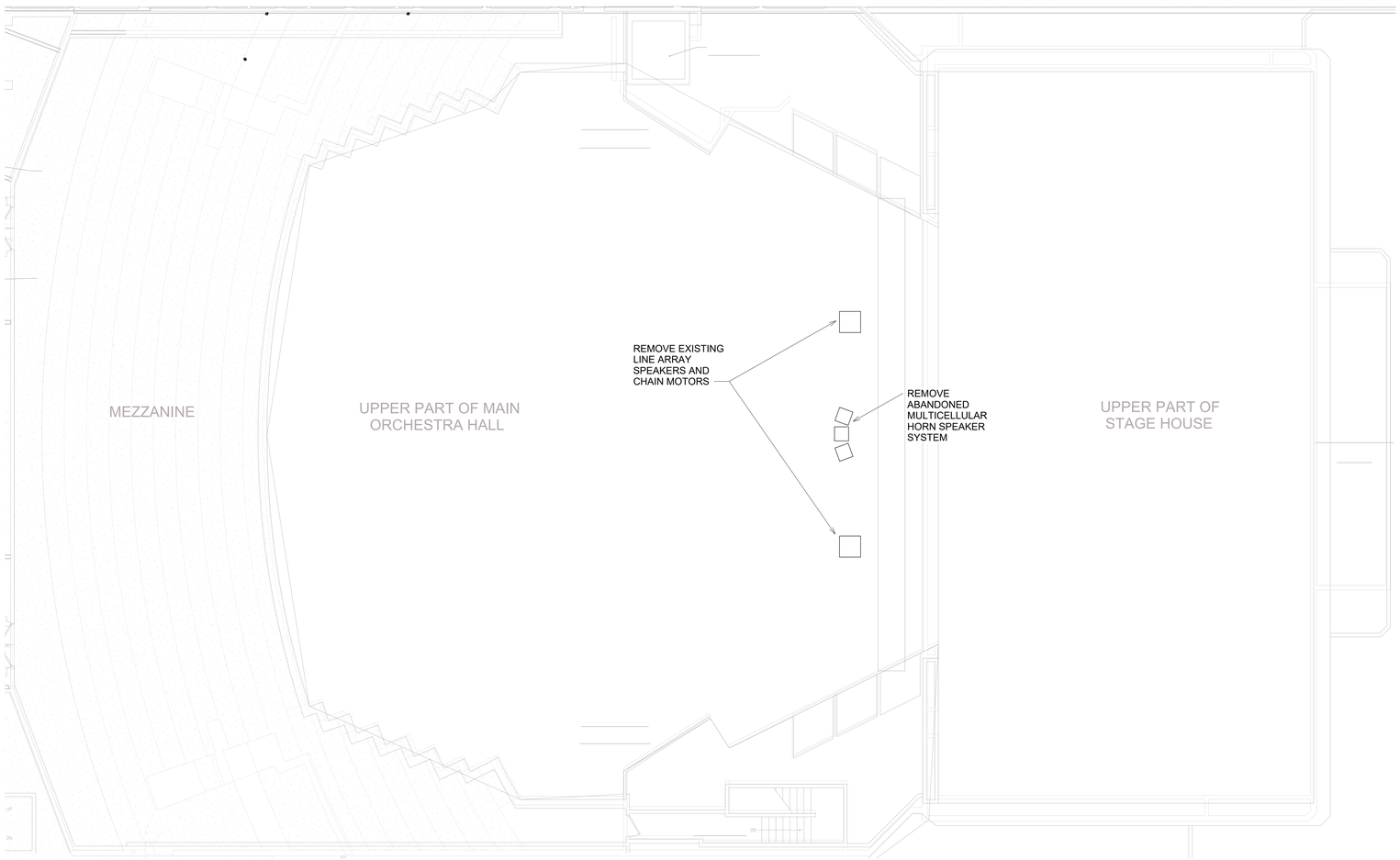
**AV114**

**AV 4th FLOOR PLAN - CHAPMAN DEMO**




1 LEVEL 5 CHAPMAN DEMO
1/8" = 1'-0"



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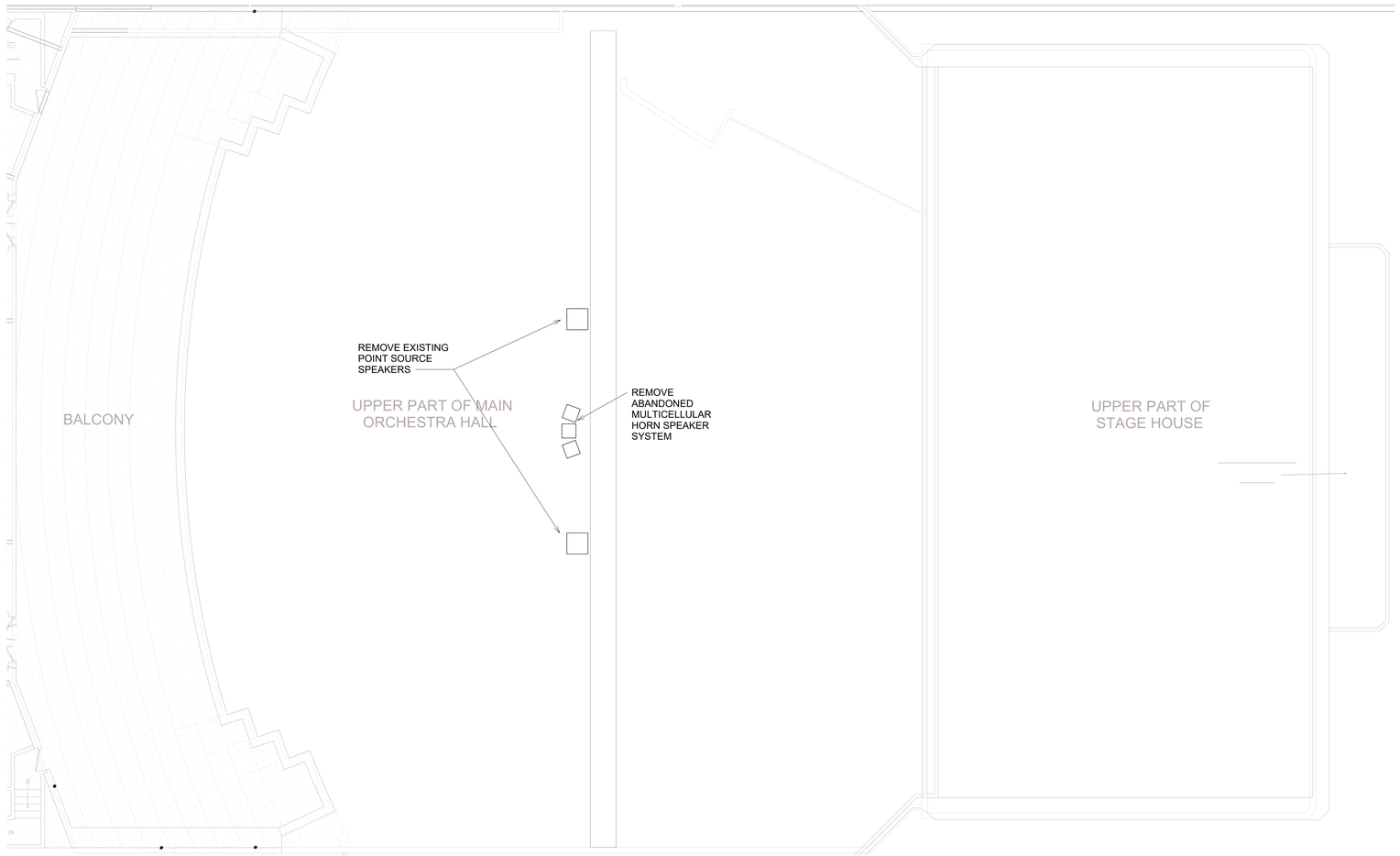
# AV115
**AV 5th FLOOR PLAN - CHAPMAN DEMO**




1 LEVEL 6 CHAPMAN DEMO
1/8" = 1'-0"



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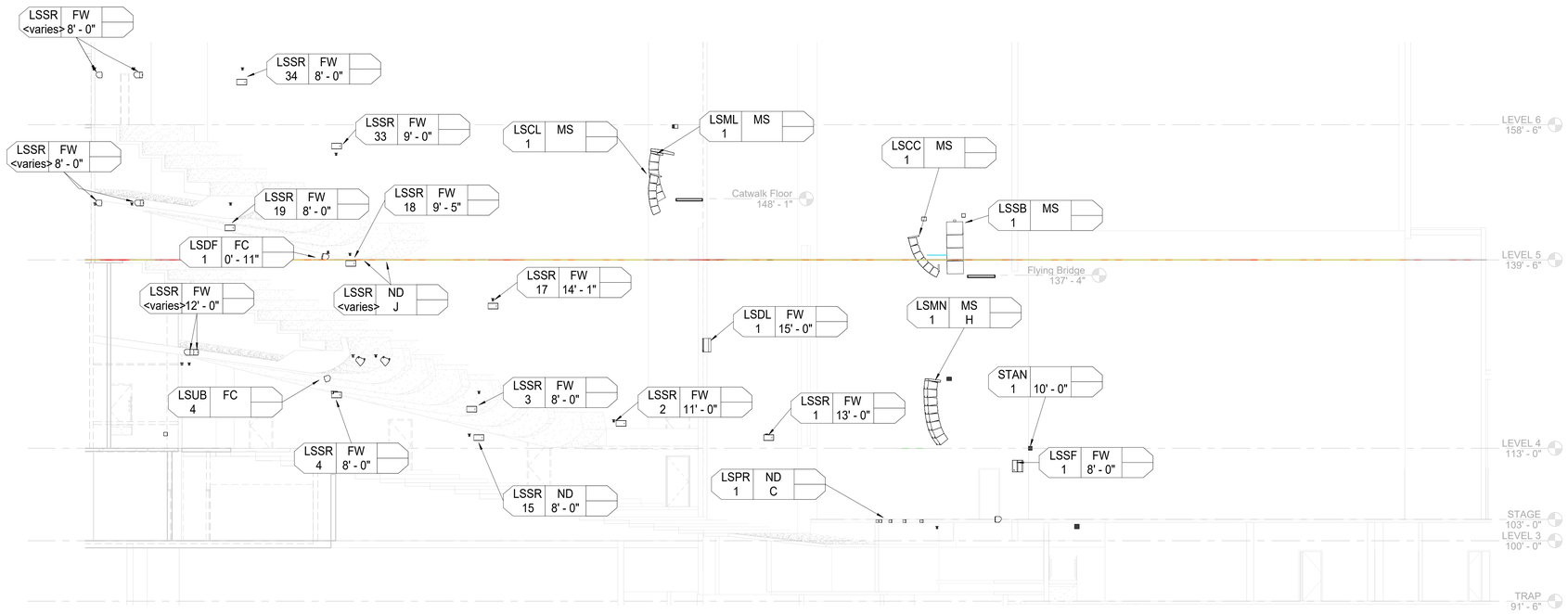
**AV116**

**AV 6th FLOOR PLAN - CHAPMAN DEMO**




1 CHAPMAN CENTERLINE SECTION
1/8" = 1'-0"



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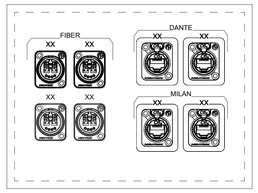
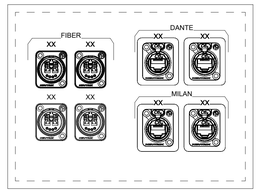
# AV301

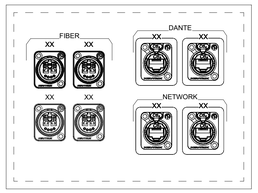
**AV SECTION - CHAPMAN CENTERLINE**



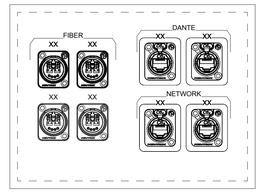

1 PANEL: HSMX - HOUSE MIX
AV BOX TYPE: 6X8X6



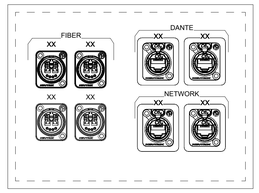

2 PANEL: CRMX - CONTROL ROOM MIX
AV BOX TYPE: 6X8X6



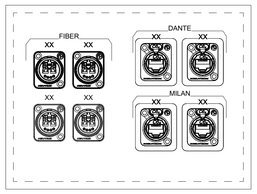

3 PANEL: CRCB - CONTROL CENTER BOOTH
AV BOX TYPE: 6X8X6



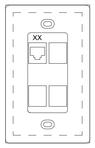

4 PANEL: STGA - STAGE A DS
AV BOX TYPE: 6X8X6




5 PANEL: STGB - STAGE B US
AV BOX TYPE: 6X8X6




6 PANEL: STA2 - STAGE A2
AV BOX TYPE: 6X8X6




7 PANEL: STAN - STAGE ANTENNA
AV BOX TYPE: 1 GANG

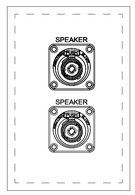

8 PANEL: LSSR - SURROUND LOUDSPEAKER
AV BOX TYPE: 1 GANG


9 PANEL: LSDL - DELAY LOUDSPEAKER
AV BOX TYPE: 1 GANG

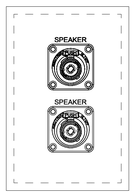

10 PANEL: LSSF - SIDE FILL LOUDSPEAKER
AV BOX TYPE: 1 GANG


11 PANEL: LSDF - DELAY FILL LOUDSPEAKER
AV BOX TYPE: 1 GANG

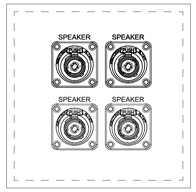

12 PANEL: LSUB - UNDERBALCONY LOUDSPEAKER
AV BOX TYPE: 1 GANG



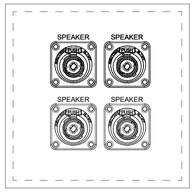

13 PANEL: LSPR - PIT RAIL LOUDSPEAKER
AV BOX TYPE: 6X4X4



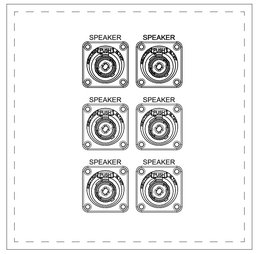

14 PANEL: LSSL - STAGE LIP LOUDSPEAKER
AV BOX TYPE: 6X4X4



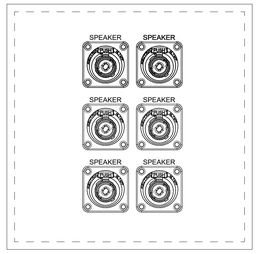

15 PANEL: LSCL - CENTER DELAY LOUDSPEAKER
AV BOX TYPE: 6X6X6



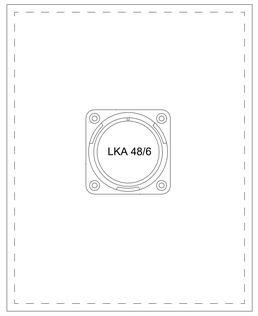

16 PANEL: LSSB - SUBWOOFER LOUDSPEAKER
AV BOX TYPE: 6X6X6




17 PANEL: LSCC - CENTER CLUSTER LOUDSPEAKER
AV BOX TYPE: 8X8X6




18 PANEL: LSML - MAIN DELAY LOUDSPEAKER
AV BOX TYPE: 8X8X6




19 PANEL: LSMN - MAIN LOUDSPEAKER
AV BOX TYPE: 10X8X6

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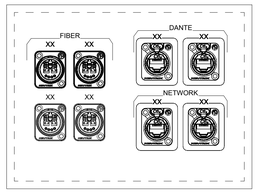
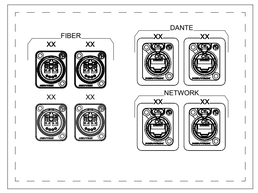
# AV521

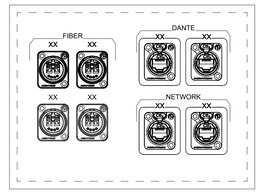
**AV PANEL DETAILS - CHAPMAN 1**



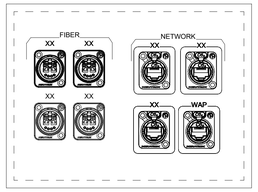

1 PANEL: STTR - STAGE TRAP ROOM
AV BOX TYPE: 6X8X6



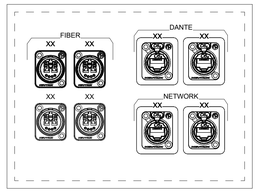

2 PANEL: PITA - PIT TYPE A
AV BOX TYPE: 6X8X6



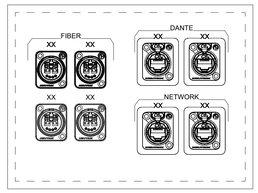

3 PANEL: BSGR - BACKSTAGE GREEN ROOM
AV BOX TYPE: 6X8X6




4 PANEL: HSBR - HOUSE BALCONY RAIL
AV BOX TYPE: 6X8X6




5 PANEL: BSNC - BACKSTAGE NETWORK CLOSET
AV BOX TYPE: 6X8X6




6 PANEL: BSTD - BACKSTAGE TECHNICAL OFFICE
AV BOX TYPE: 6X8X6



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PROJECT NUMBER:
**202331.00**

CONSULTANT:

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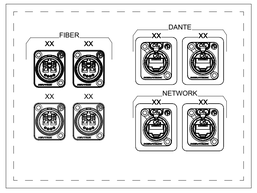
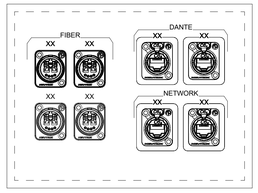
# AV522

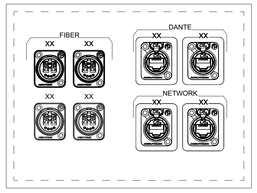
**AV PANEL DETAILS - CHAPMAN 2**



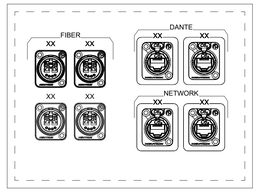

1 PANEL: WHMX - WILLIAMS HOUSE MIX
AV BOX TYPE: 6X8X6



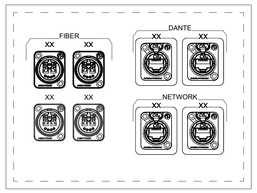

2 PANEL: WCMX - WILLIAMS CONTROL RM MIX
AV BOX TYPE: 6X8X6



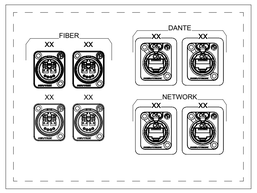

3 PANEL: WSGA - WILLIAMS STAGE A
AV BOX TYPE: 6X8X6



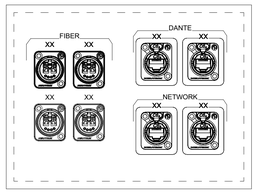

4 PANEL: WSGB - WILLIAMS STAGE B
AV BOX TYPE: 6X8X6



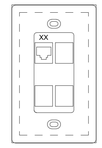

5 PANEL: WSA2 - WILLIAMS STAGE A2
AV BOX TYPE: 6X8X6




6 PANEL: WBGR - WILLIAMS GREEN ROOM
AV BOX TYPE: 6X8X6




7 PANEL: WPTA - WILLIAMS PIT TYPE A
AV BOX TYPE: 6X8X6




8 PANEL: WHAN - WILLIAMS STAGE ANTENNA
AV BOX TYPE: 1 GANG

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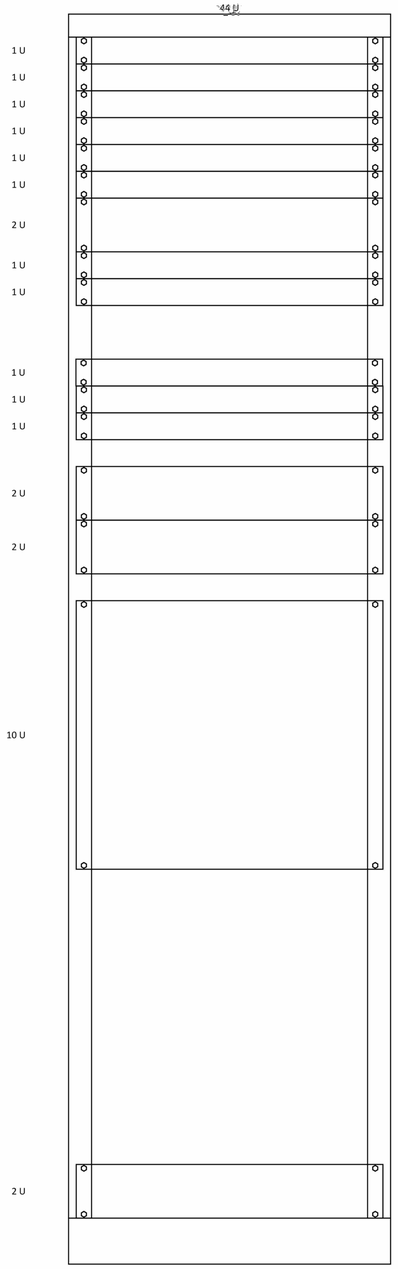
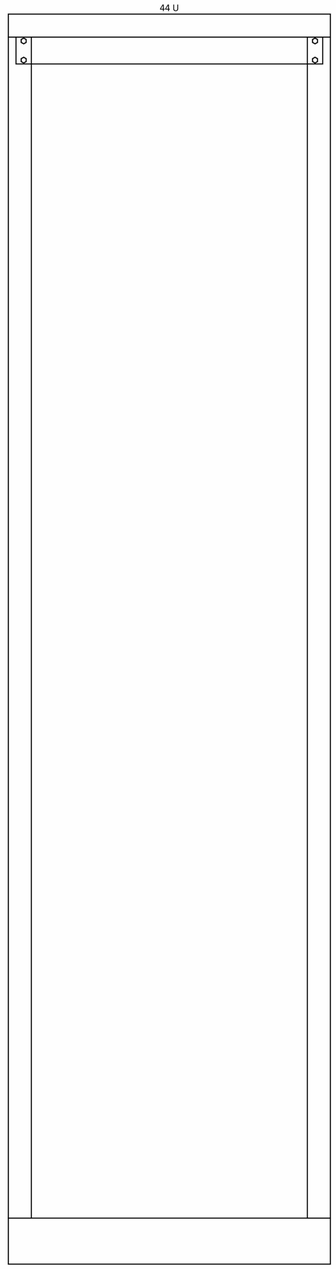
# AV523

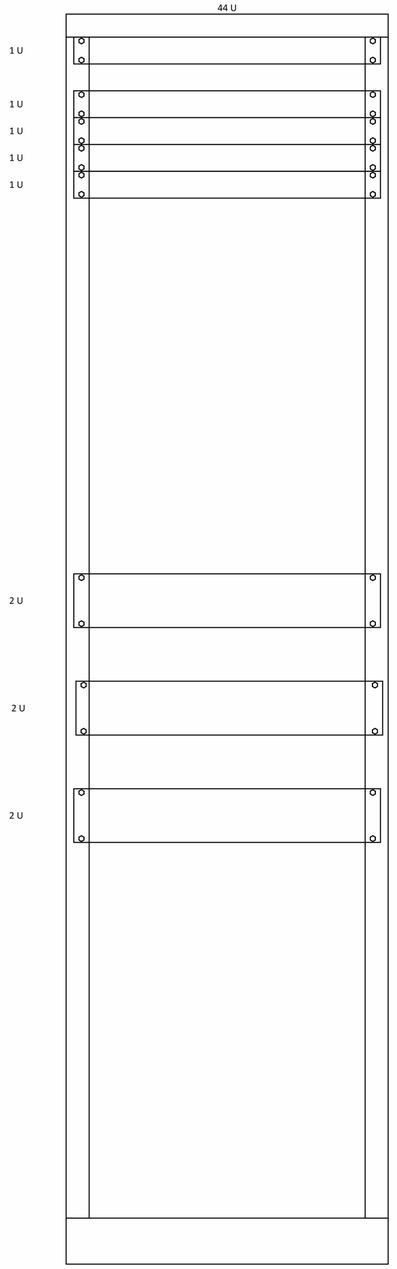
**AV PANEL DETAILS - WILLIAMS**



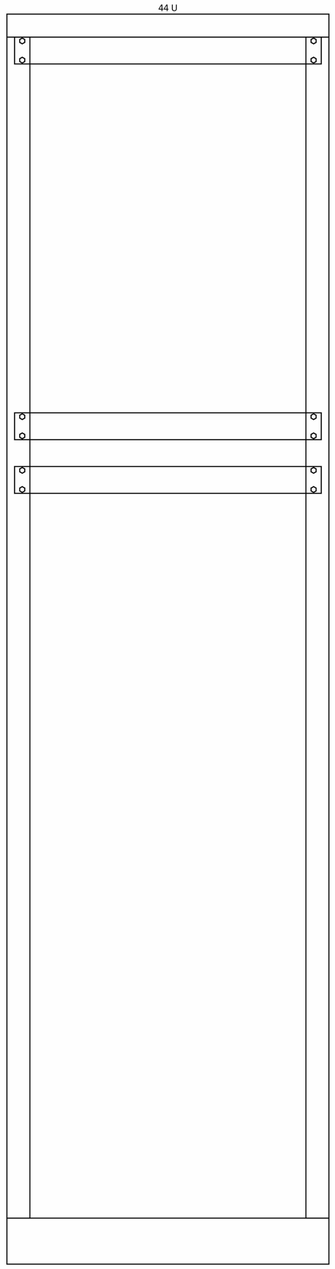

1 AV571 CONTROL ROOM RACK FRONT




2 AV571 CONTROL ROOM RACK BACK




3 AV571 CONTROL ROOM AMPLIFIER RACK FRONT




4 AV571 CONTROL ROOM AMPLIFIER RACK BACK

COORDINATE INTEGRATION WITH EXISTING EQUIPMENT. SOME EQUIPMENT MIGHT NEED TO BE INSTALLED IN EXISTING RACKS OR VICE VERSA.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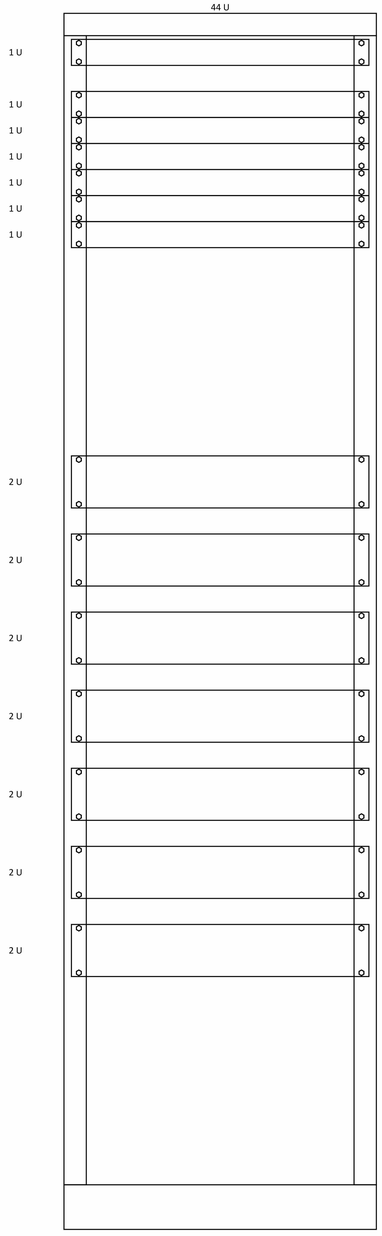
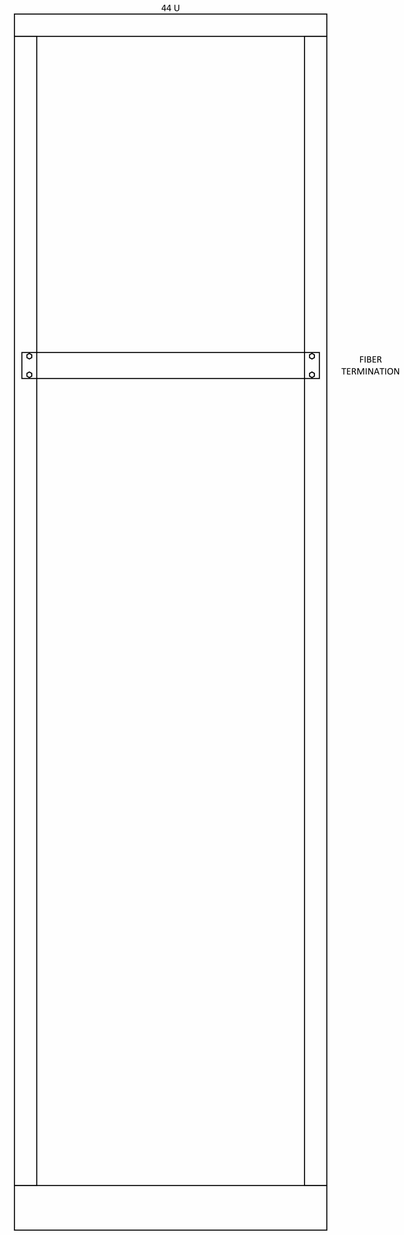
**AV RACK ELEVATIONS - CHAPMAN 1**




1 AV572 PORTABLE MIXER RACK FRONT




2 AV572 PORTABLE MIXER RACK BACK

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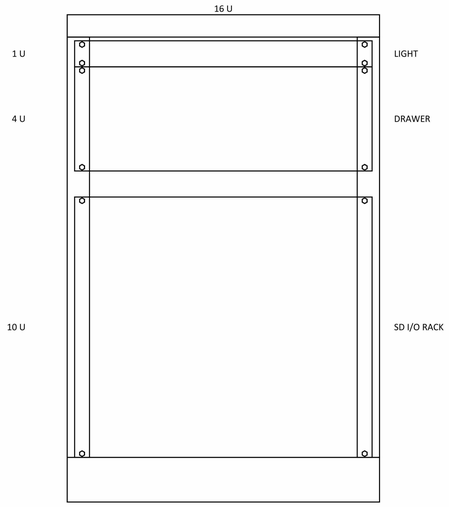
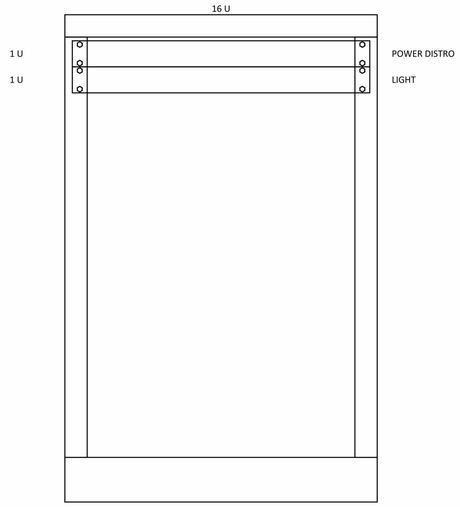
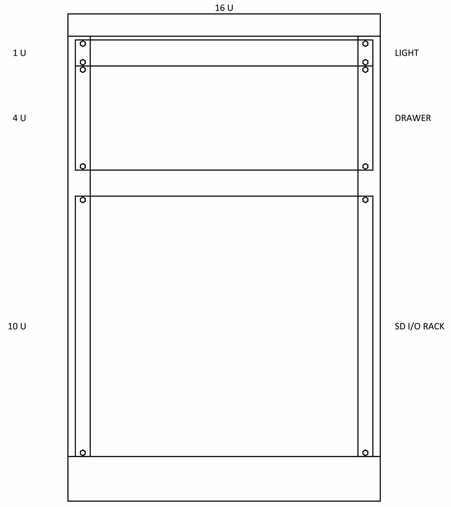
**AV RACK ELEVATIONS - CHAPMAN 2**



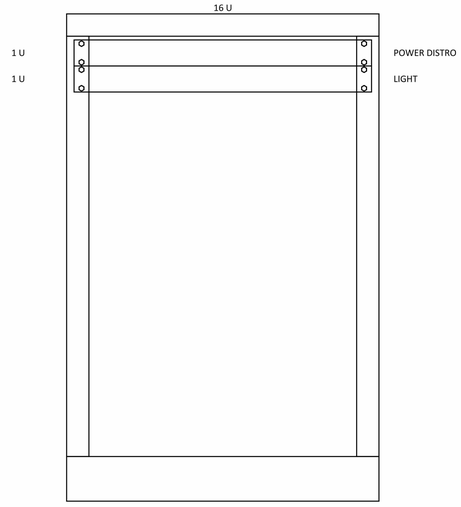

1 AV573 STAGE RACK 1 FRONT



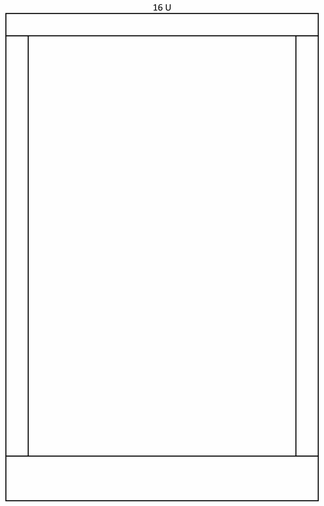

2 AV573 STAGE RACK 1 BACK



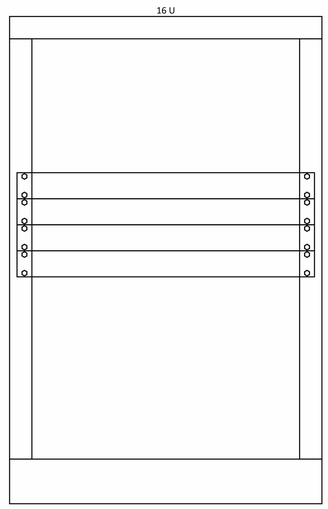

3 AV573 STAGE RACK 2 FRONT




4 AV573 STAGE RACK 2 BACK




5 AV573 EXISTING WIRELESS RACK FRONT




6 AV573 EXISTING WIRELESS RACK BACK



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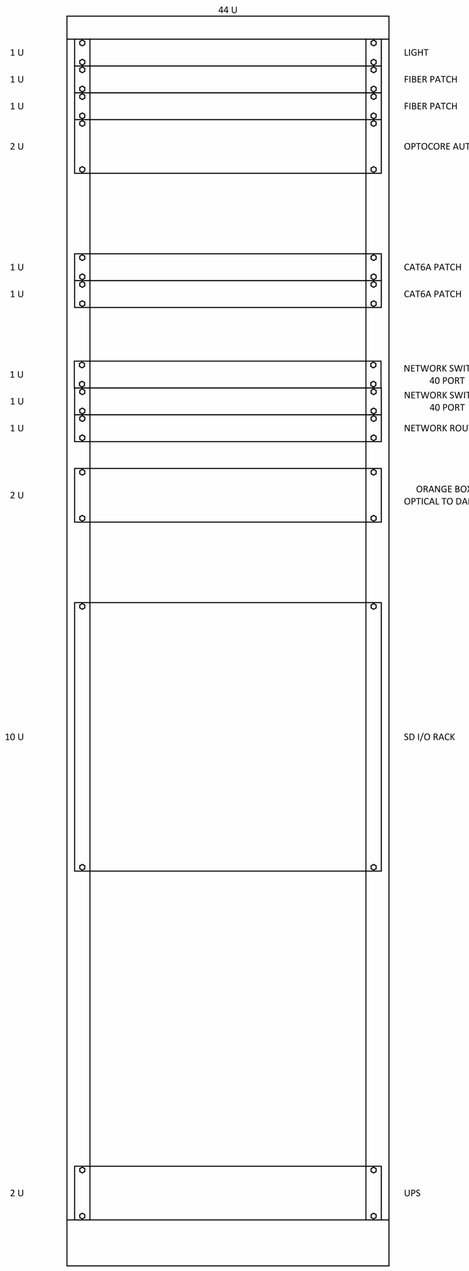
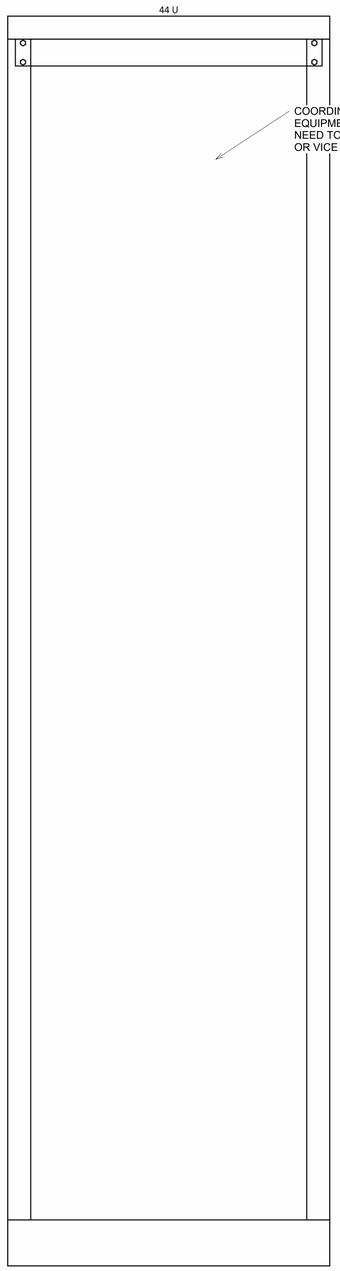
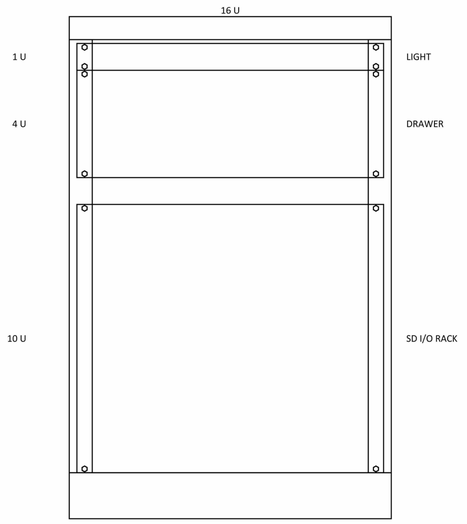
**AV RACK ELEVATIONS - CHAPMAN 3**



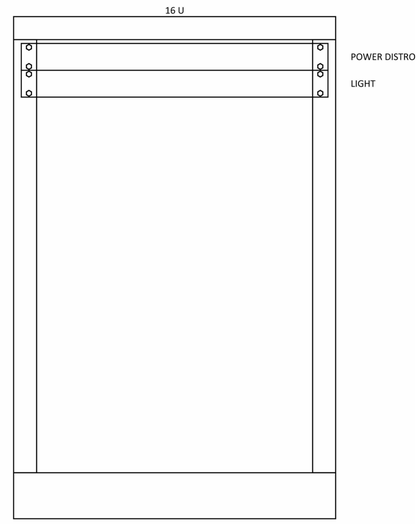

1 AV574 WILLIAMS CONTROL ROOM RACK FRONT




2 AV574 WILLIAMS CONTROL ROOM RACK BACK




3 AV574 WILLIAMS STAGE RACK FRONT




4 AV574 WILLIAMS STAGE RACK BACK

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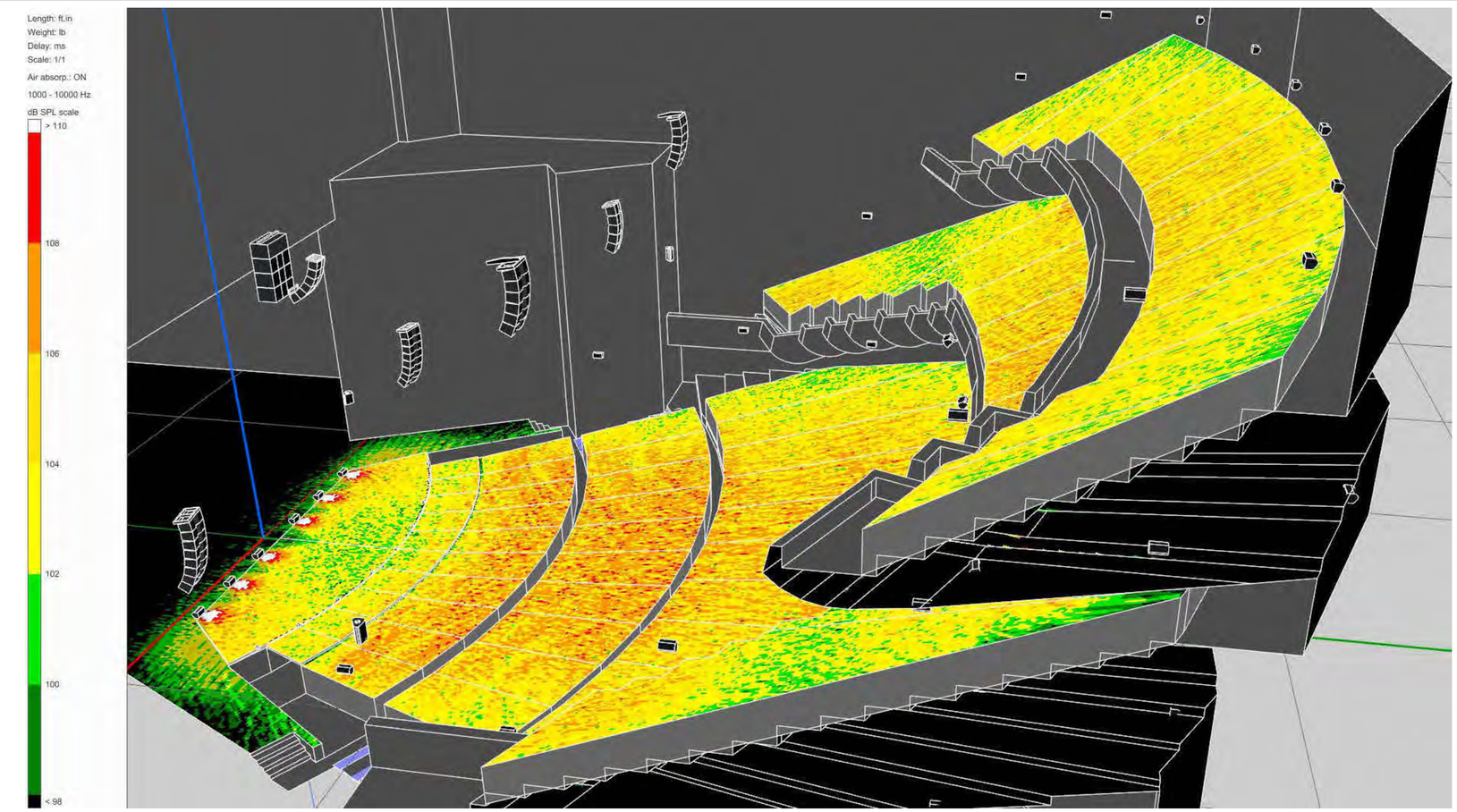
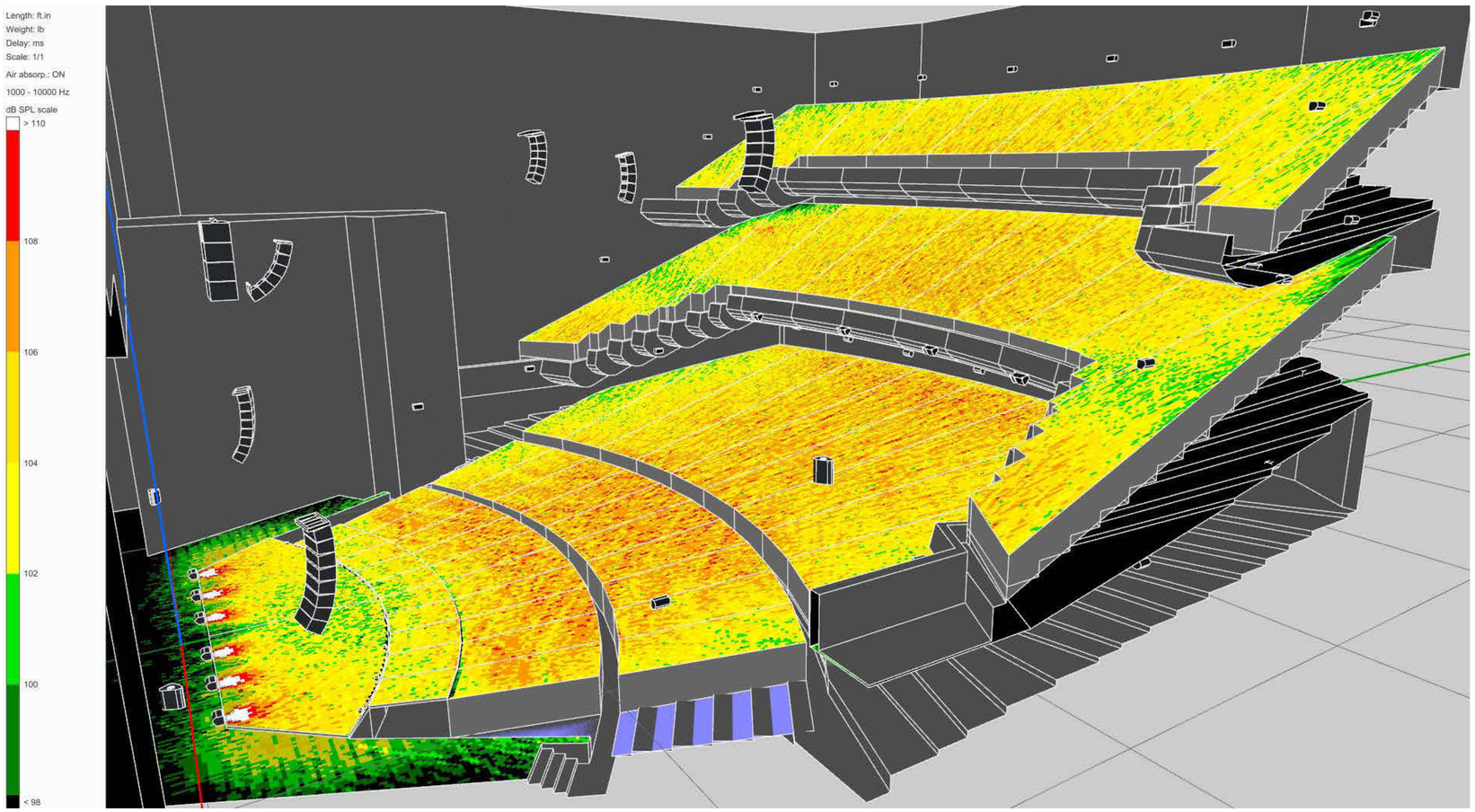
**AV RACK ELEVATIONS - WILLIAMS**

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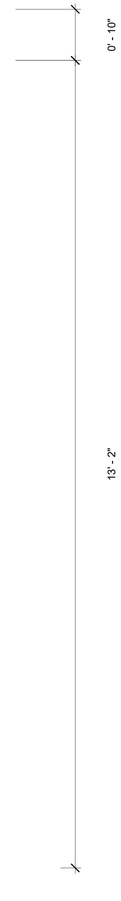
# AV901
**AV SPEAKER PREDICTIONS**

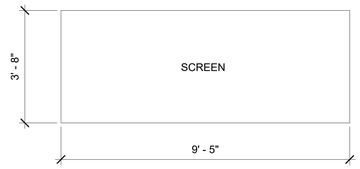




4 Mountment Three View
1" = 1'-0"

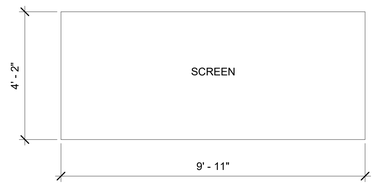




5 Wall Single Face
1/2" = 1'-0"




15mm 60x175 display
5" deep



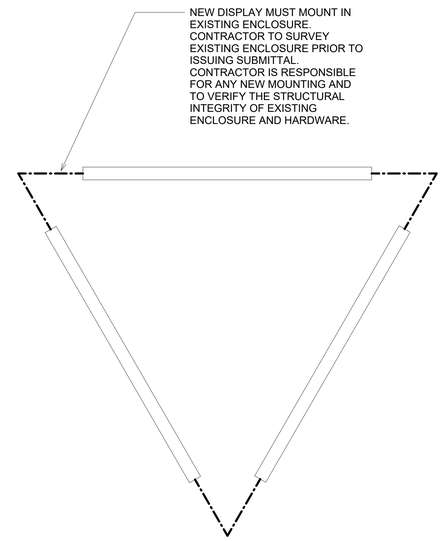

10mm 108x288 display
7" deep

ALTERNATE #1 - HIGH RESOLUTION

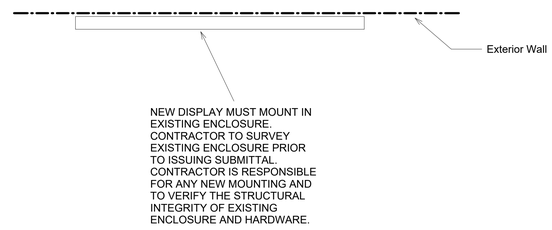
Notes:

- Bidder is responsible for establishing existing conditions and confirming that replacement display will fit in the existing architecture and existing electrical service. If not, bid must include labor and materials for adapting existing architecture for new display.
- Display shall require no network connection to the building and will rely on LTE wireless internet for programming. LTE wireless internet permanent plan to be included with bid.
- Full Color RGB LEDs
- Display must support Text, graphics, logos, basic animation, video clips, multiple font styles and sizes
- Automatic Dimming required, minimum 64 levels
- Viewing angles required to be minimum 160 degrees horizontal and 70 degrees vertical
- Front Ventilation
- Reference quote number 838660-1-0 when speaking with Kevin Kantack at Daktronics, Kevin.Kantack@daktronics.com or 405-229-4473.

1 Outdoor Display Panels
1/2" = 1'-0"




2 Three-View Plan
1/2" = 1'-0"




3 Single Face Plan
1/2" = 1'-0"

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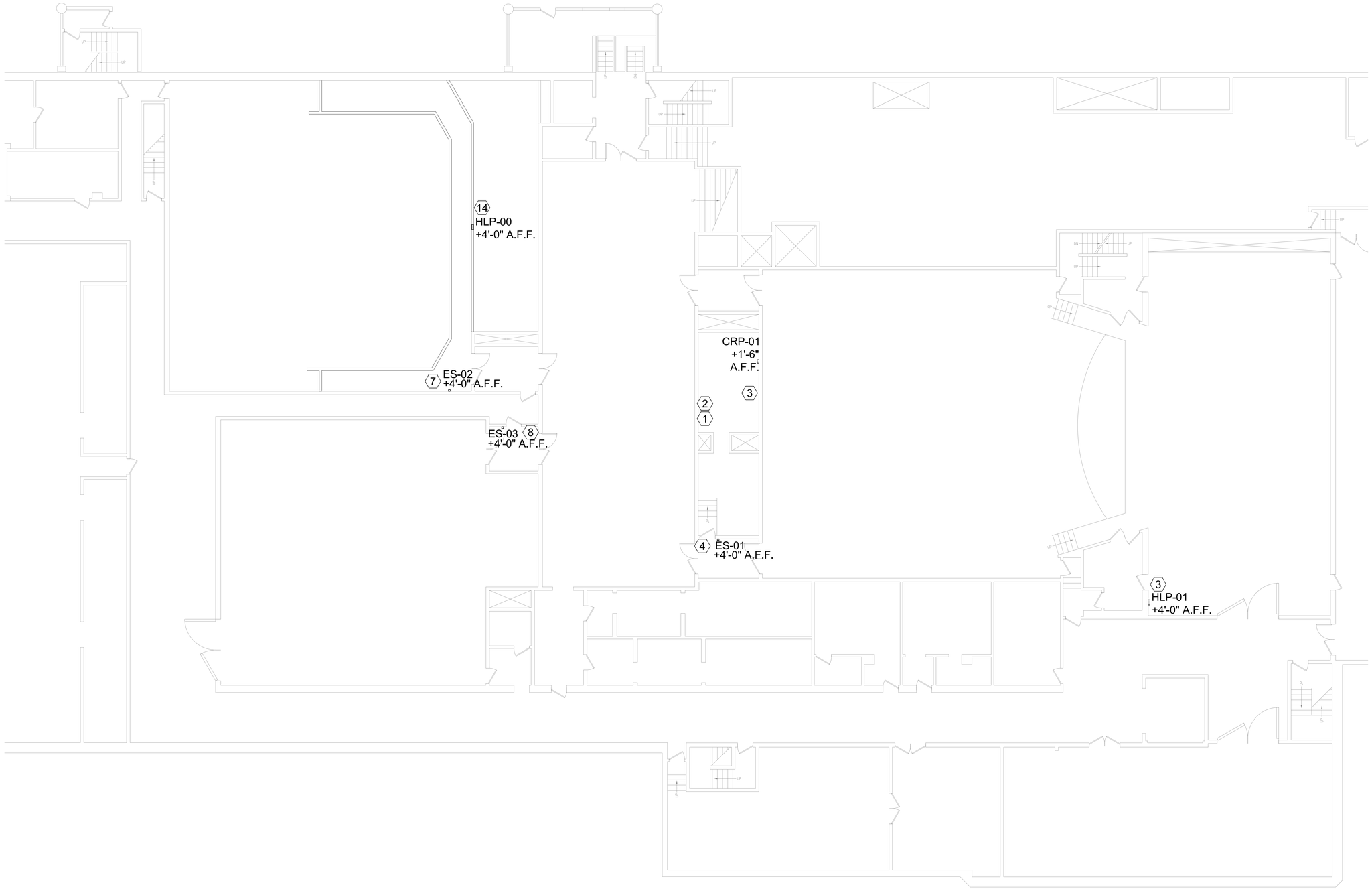
**OUTDOOR DISPLAY PANELS**




1 TL100 LEVEL 2 - 2ND STREET FLOOR LEVEL
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
C. ALL DIMMING CIRCUITS ARE TWO-WIRE. NO COMMON NEUTRALS SHALL BE USED.
D. VERIFY ALL LOCATIONS OF WALL OR PANEL MOUNTED EQUIPMENT WITH OWNER AND DESIGN TEAM PRIOR TO INSTALLATION.

KEYED NOTES:

1. IN EXISTING CONTROL RACK REPLACE EXISTING CONTROL PROCESSOR, RACK MOUNTED KEYBOARD, RACK MOUNTED MONITOR, DMX GATEWAY, NETWORK SWITCHES, NETWORK PATCHBAY, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY LABELING. MAINTAIN DRY LINES AND DMX REPEATERS.
2. INSTALL NEW PARADIGM PROCESSOR IN EXISTING CONTROL RACK BELOW SWITCHES.
3. INSTALL NEW HOUSE LIGHT CONTROL PANEL (HLP) TO REPLACE EXISTING LIGHTING CONTROL PANEL. PROVIDE NEW WIRING FROM NEAREST CONTROL RACK. IF (HLP) WILL NOT FIT IN EXISTING PANEL, MOUNT IN SEPARATE SURFACE BOX ADJACENT TO PANEL AND MOUNT COVER OPENING OF EXISTING PANEL WITH COVER PLATE. IF HLP WILL NOT FIT IN PANEL COORDINATE LOCATION WITH DESIGN TEAM
4. INSTALL 5 BUTTON STATION IN VOM. WIRE TO RACK IN WILLIAMS CONTROL BOOTH.
5. IN EXISTING CONTROL RACK REPLACE EXISTING CONTROL PROCESSOR, RACK MOUNTED KEYBOARD, RACK MOUNTED MONITOR, DMX GATEWAY, NETWORK SWITCHES, NETWORK PATCHBAY, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY LABELING. MAINTAIN DRY LINES AND DMX REPEATERS.
6. INSTALL NEW PARADIGM PROCESSOR IN EXISTING CONTROL RACK BELOW SWITCHES. PROCESSOR SERVES DOENGES AND NORMAN SPACES.
7. PROVIDE 10 BUTTON STATION AT THIS LOCATION TO REPLACE EXISTING PANEL. CONTROL WIRE TO RUN FROM HERE TO CONTROL RACK IN DOENGES BOOTH.
8. PROVIDE NEW 10 BUTTON STATION AT THIS LOCATION. DAISY CHAIN STATION FROM STATION IN DOENGES.
9. IN CONTROL RACK REPLACE DMX NETWORK GATEWAYS, NETWORK PATCH BAY, RVI, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY AND DRY-LINE LABELING. INCLUDE NEW TOUCH SCREEN IN THIS RACK.
10. REPLACE EXISTING WALL STATION WITH ENTRY STATION.
11. VERIFY CONNECTION OF NEW PARADIGM PROCESSORS TO EXISTING HOUSE LIGHT AND PRODUCTION DIMMER RACKS. PROVIDE NETWORK INTERFACE OR DMX INTERFACE EQUIPMENT AS REQUIRED.
12. COORDINATE CONNECTION OF EXISTING EMERGENCY LIGHTING SYSTEM TO NEW PARADIGM CONTROL SYSTEM.
13. MOUNT NEW HLP TO WALL TO REPLACE EXISTING PANEL.
14. REPLACE EXISTING PANEL. VERIFY LOCATION.

THIS DRAWING INDICATES THEATRE EQUIPMENT LAYOUT AND DESIGN OF THEATRE SYSTEMS. REVIEW BY A QUALIFIED ENGINEER IS NECESSARY TO ASSURE SAFETY AND CODE COMPLIANCE.

REFER TO E-SERIES DRAWINGS FOR ELECTRICAL FEEDS, DISCONNECT SWITCHES, CONDUIT, AND WIRE FOR ALL RIGGING EQUIPMENT.
DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT AND CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

beck DESIGN



**TULSA**
110 WEST SEVENTH
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TULSA, OK 74119
T: 918.583.5300
F: 918.585.1967

**OKLAHOMA CITY**
131 DEAN A McGEE AVE
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OKLAHOMA CITY, OK 73102
T: 405.232.7007

PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
T 612 339 5958 F 612 337 5097
schulershook.com

REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |
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| | | |
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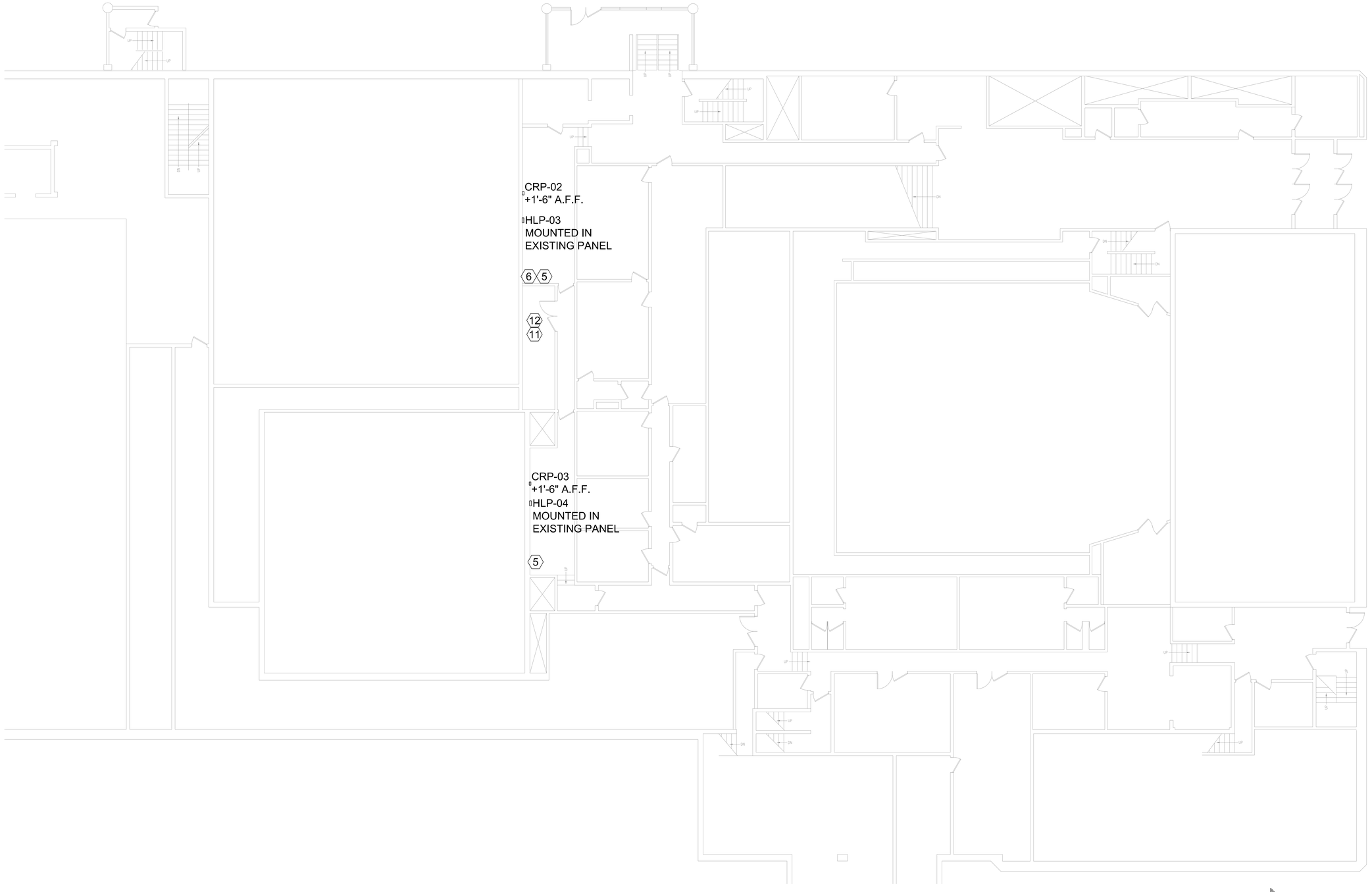
SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
**TL100**
**SMALLTHEATRE FLOOR LEVEL**




1 TL101 LEVEL 3 - 2ND STREET MEZZANINE LEVEL
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
C. ALL DIMMING CIRCUITS ARE TWO-WIRE. NO COMMON NEUTRALS SHALL BE USED.
D. VERIFY ALL LOCATIONS OF WALL OR PANEL MOUNTED EQUIPMENT WITH OWNER AND DESIGN TEAM PRIOR TO INSTALLATION.

KEYED NOTES:

1. IN EXISTING CONTROL RACK REPLACE EXISTING CONTROL PROCESSOR, RACK MOUNTED KEYBOARD, RACK MOUNTED MONITOR, DMX GATEWAY, NETWORK SWITCHES, NETWORK PATCHBAY, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY LABELING. MAINTAIN DRY LINES AND DMX REPEATERS.
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beck DESIGN



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F: 918.585.1967

**OKLAHOMA CITY**
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PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
T 612 339 5958 F 612 337 5097
schulershook.com

REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |

SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
**TL101**
**SECOND STREET FLOOR LEVEL**


1 TL102 LEVEL 4 - THIRD STREET FLOOR LEVEL
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
C. ALL DIMMING CIRCUITS ARE TWO-WIRE. NO COMMON NEUTRALS SHALL BE USED.
D. VERIFY ALL LOCATIONS OF WALL OR PANEL MOUNTED EQUIPMENT WITH OWNER AND DESIGN TEAM PRIOR TO INSTALLATION.

KEYED NOTES:

1. IN EXISTING CONTROL RACK REPLACE EXISTING CONTROL PROCESSOR, RACK MOUNTED KEYBOARD, RACK MOUNTED MONITOR, DMX GATEWAY, NETWORK SWITCHES, NETWORK PATCHBAY, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY LABELING. MAINTAIN DRY LINES AND DMX REPEATERS.
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beck DESIGN



**TULSA**
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TULSA, OK 74119
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F: 918.585.1967

**OKLAHOMA CITY**
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T: 405.232.7007

PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
T 612 339 5958 F 612 337 5097
schulershook.com

REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |
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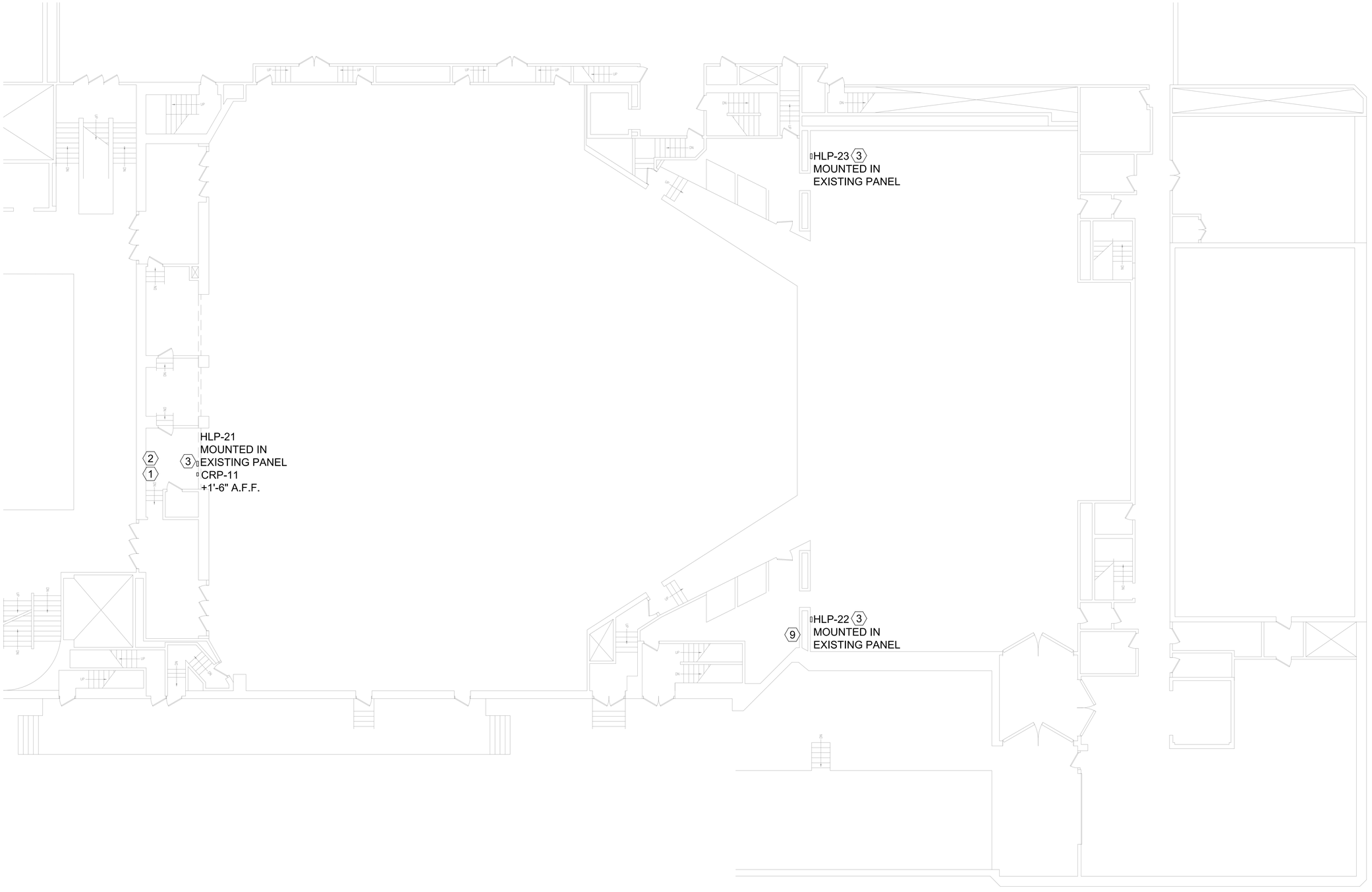
SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
**TL102**
**THIRD STREET FLOOR LEVEL**




1 TL103A LEVEL 5 - ORCHESTRA FLOOR LEVEL
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
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beck DESIGN



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**OKLAHOMA CITY**
131 DEAN A McGEE AVE
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OKLAHOMA CITY, OK 73102
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PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
T 612 339 5958 F 612 337 5097
schulershook.com

REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |
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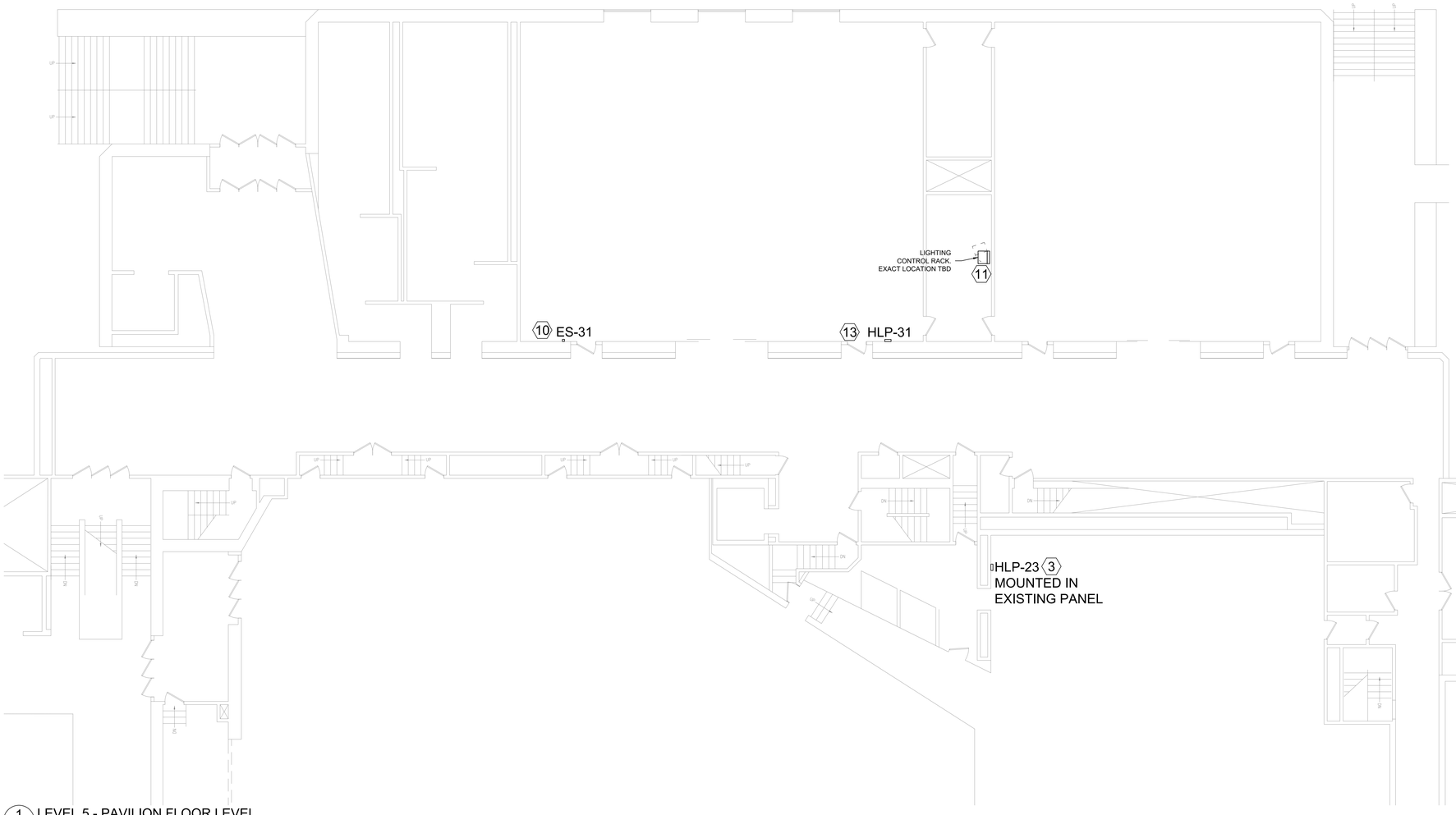
SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
**TL103A**

**ORCHESTRA FLOOR LEVEL CHAPMAN**




1 TL103B LEVEL 5 - PAVILION FLOOR LEVEL
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
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beck DESIGN



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T: 918.583.5300
F: 918.585.1967

**OKLAHOMA CITY**
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OKLAHOMA CITY, OK 73102
T: 405.232.7007

PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
T 612 339 5958 F 612 337 5097
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REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |
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SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
# TL103B

**ORCHESTRA FLOOR LEVEL PROMENADE**


1 TL105 LEVEL 8 - FOLLOWSPOT LEVEL
SCALE: 1/16" = 1'-0"

N

GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
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9. IN CONTROL RACK REPLACE DMX NETWORK GATEWAYS, NETWORK PATCH BAY, RVI, AND UPS WITH NEW EQUIPMENT PER SPECIFICATION. MAINTAIN PATCHBAY AND DRY-LINE LABELING. INCLUDE NEW TOUCH SCREEN IN THIS RACK.
10. REPLACE EXISTING WALL STATION WITH ENTRY STATION.
11. VERIFY CONNECTION OF NEW PARADIGM PROCESSORS TO EXISTING HOUSE LIGHT AND PRODUCTION DIMMER RACKS. PROVIDE NETWORK INTERFACE OR DMX INTERFACE EQUIPMENT AS REQUIRED.
12. COORDINATE CONNECTION OF EXISTING EMERGENCY LIGHTING SYSTEM TO NEW PARADIGM CONTROL SYSTEM.
13. MOUNT NEW HLP TO WALL TO REPLACE EXISTING PANEL.
14. REPLACE EXISTING PANEL. VERIFY LOCATION.

THIS DRAWING INDICATES THEATRE EQUIPMENT LAYOUT AND DESIGN OF THEATRE SYSTEMS. REVIEW BY A QUALIFIED ENGINEER IS NECESSARY TO ASSURE SAFETY AND CODE COMPLIANCE.

REFER TO E-SERIES DRAWINGS FOR ELECTRICAL FEEDS, DISCONNECT SWITCHES, CONDUIT, AND WIRE FOR ALL RIGGING EQUIPMENT.
DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL EQUIPMENT AND CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

beck DESIGN



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PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
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schulershook.com

REVISIONS:

| No | Description | Date |
|---|---|---|
| 2 | 95% REVIEW SET | 12.19.2023 |
| 3 | BID SET | 01.24.2024 |
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SEAL:

ISSUE DATE:
**01.24.2024**

SHEET NUMBER:
**TL105**

**FOLLOW SPOT FLOOR LEVEL**

THEATRICAL LIGHTING SYSTEM NOTES:

1. ALL DEVICES SHALL BE PROVIDED BY THEATRICAL LIGHTING MANUFACTURER UNLESS OTHERWISE NOTED.

2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING. CONTROL WIRING REQUIREMENTS VARY GREATLY AMONG MANUFACTURERS, ELECTRICAL CONTRACTOR SHALL OBTAIN CONTROL WIRING REQUIREMENTS FROM THEATRICAL LIGHTING MANUFACTURER PRIOR TO BID. ELECTRICAL CONTRACTOR SHALL OBTAIN SHOP DRAWINGS FROM THEATRICAL LIGHTING MANUFACTURER PRIOR TO SIZING OR ROUTING ANY CONTROL SYSTEM CONDUITS.

3. ALL NETWORK AND / OR DMX WIRING RUNS SHALL BE CONTINUOUS AND WITHOUT BREAKS OR SPLICES.

4. ALL NETWORK WIRING RUNS SHALL BE CATEGORY 5E, 100 BASE T AND CONFORM TO THE PLASA (PROFESSIONAL LIGHTING AND SOUND ASSOCIATION) RECOMMENDED PRACTICE FOR ETHERNET CABLING IN ENTERTAINMENT LIGHTING APPLICATIONS.

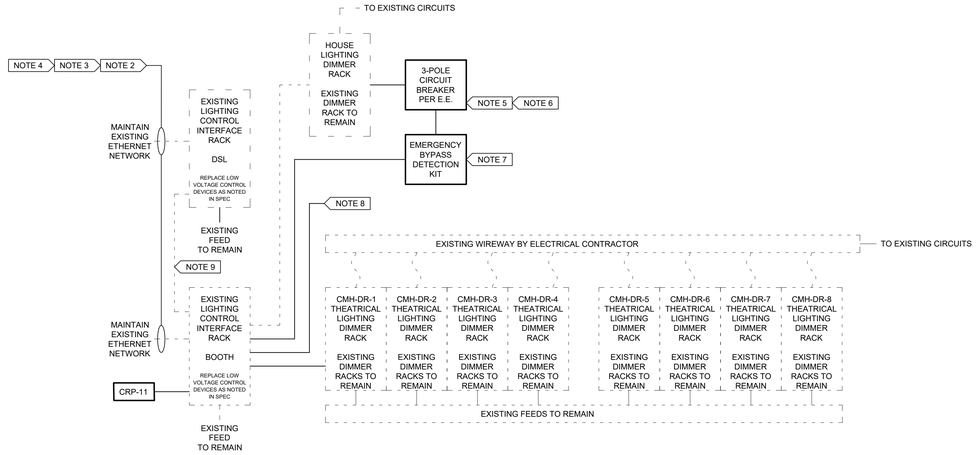
5. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTACT CLOSURE FROM FIRE ALARM SYSTEM. FIRE ALARM ACTIVATION MAY BE USED TO BRING SELECTED ARCHITECTURAL LIGHTING CIRCUITS TO FULL INTENSITY ONLY WHEN THE NORMAL POWER SOURCE HAS NOT BEEN INTERRUPTED.

6. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTACT CLOSURE FROM EMERGENCY POWER SYSTEM. EMERGENCY POWER SYSTEM ACTIVATION MAY BE USED TO BRING SELECTED ARCHITECTURAL LIGHTING CIRCUITS TO FULL INTENSITY ONLY WHEN THE EMERGENCY POWER SOURCE IS PRESENT.

7. ELECTRICAL CONTRACTOR SHALL PROVIDE 3-PHASE, 4-WIRE 20AMP MAXIMUM SENSE FEED FROM NORMAL POWER SOURCE IDENTIFIED BY ELECTRICAL ENGINEER. LOSS OF ANY PHASE OF SENSE FEED SHALL CAUSE EMERGENCY LIGHTING TRANSFER SWITCH (ELTS) TO ACTIVATE EMERGENCY OPERATION. EMERGENCY POWER SOURCE MUST ALSO BE PRESENT AT ELTS FOR EMERGENCY OPERATION.

8. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) DMX CONTROL WIRING OUTPUT TO EACH ARCHITECTURAL LIGHTING FIXTURE TYPE REQUIRING DMX CONTROL. THEATRICAL LIGHTING MANUFACTURER SHALL PROVIDE DMX OUTPUT DEVICE(S) AT CONTROL INTERFACE RACK. ARCHITECTURAL LIGHTING MANUFACTURER SHALL PROVIDE DMX CONTROL INPUT INTERFACE(S) AS REQUIRED FOR ALL FIXTURES. COORDINATE EXACT REQUIREMENTS WITH ALL MANUFACTURERS TO ASSURE A COMPLETE AND OPERABLE SYSTEM.

9. MAINTAIN EXISTING DMX DRYLINES BETWEEN CONTROL RACKS.




1 TL500 SCALE: NO SCALE
CHAPMAN MUSIC HALL LIGHTING CONTROL RISER DIAGRAM

THEATRICAL LIGHTING SYSTEM NOTES:

1. ALL DEVICES SHALL BE PROVIDED BY THEATRICAL LIGHTING MANUFACTURER UNLESS OTHERWISE NOTED.

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3. ALL NETWORK AND / OR DMX WIRING RUNS SHALL BE CONTINUOUS AND WITHOUT BREAKS OR SPLICES.

4. ALL NETWORK WIRING RUNS SHALL BE CATEGORY 5E, 100 BASE T AND CONFORM TO THE PLASA (PROFESSIONAL LIGHTING AND SOUND ASSOCIATION) RECOMMENDED PRACTICE FOR ETHERNET CABLING IN ENTERTAINMENT LIGHTING APPLICATIONS.

5. ELECTRICAL CONTRACTOR SHALL PROVIDE CONTACT CLOSURE FROM FIRE ALARM SYSTEM. FIRE ALARM ACTIVATION MAY BE USED TO BRING SELECTED ARCHITECTURAL LIGHTING CIRCUITS TO FULL INTENSITY ONLY WHEN THE NORMAL POWER SOURCE HAS NOT BEEN INTERRUPTED.

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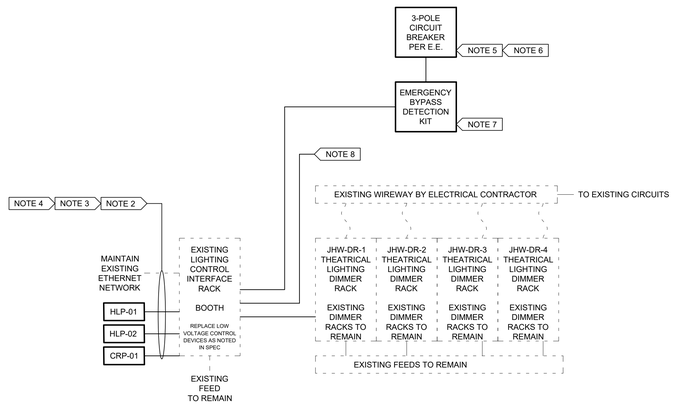


2 TL500 SCALE: NO SCALE
WILLIAMS THEATER LIGHTING CONTROL RISER DIAGRAM

THEATRICAL LIGHTING SYSTEM NOTES:

1. ALL DEVICES SHALL BE PROVIDED BY THEATRICAL LIGHTING MANUFACTURER UNLESS OTHERWISE NOTED.

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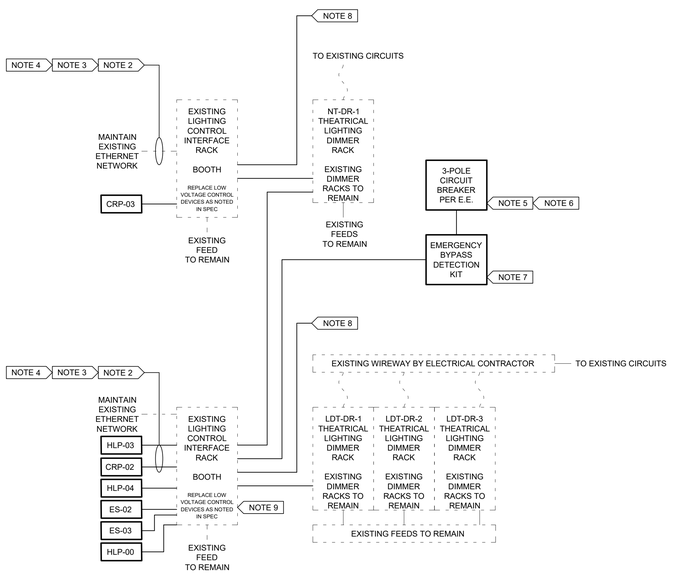
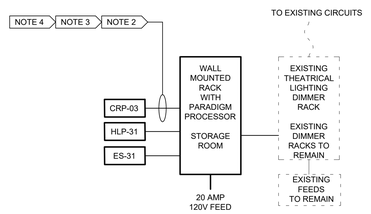
9. LOCATE PARADIGM PROCESSOR IN DOENGES THEATRE CONTROL RACK. PROCESSOR WILL CONTROL BOTH DOENGES AND NORMAN HOUSE LIGHT SYSTEMS.




3 TL500 SCALE: NO SCALE
DOENGES AND NORMAN LIGHTING CONTROL RISER DIAGRAM




THEATRICAL LIGHTING SYSTEM NOTES:

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4 TL500 SCALE: NO SCALE
WESTBY THEATER LIGHTING CONTROL RISER DIAGRAM

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beck DESIGN



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PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
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**01.24.2024**

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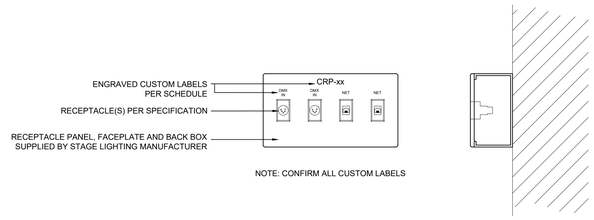
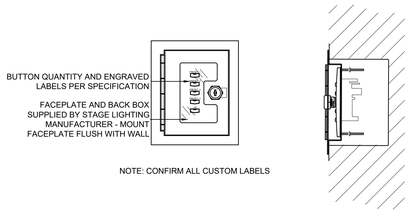
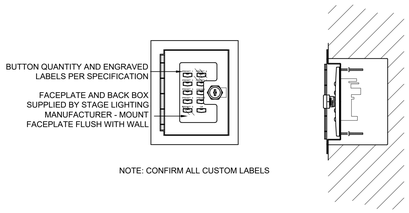
**TL500**
**RISER DIAGRAMS**



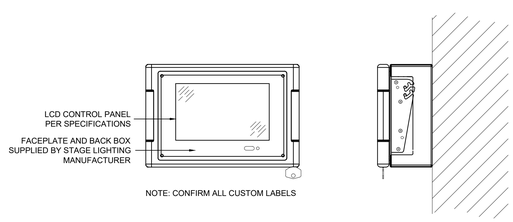

1 TL501 TYPICAL CONTROL RECEPTACLE PANEL - (CRP)
SCALE: NO SCALE



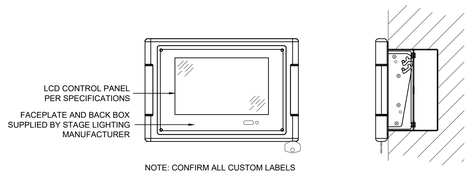

2 TL501 TYPICAL 5-BUTTON ENTRY STATION - (ES)
SCALE: NO SCALE



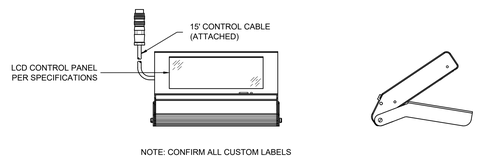

3 TL501 TYPICAL 10-BUTTON ENTRY STATION - (ES)
SCALE: NO SCALE




4 TL501 TYPICAL SURFACE MOUNTED HOUSE LIGHT PANEL - (HLP)
SCALE: NO SCALE




5 TL501 TYPICAL RECESSED OR PANEL MOUNTED HOUSE LIGHT PANEL - (HLP)
SCALE: NO SCALE




6 TL501 TYPICAL PORTABLE HOUSE LIGHT PANEL - (HLP)
SCALE: NO SCALE

| DEVICE NUMBER AND DESCRIPTION | DMX NODE INPUT | DMX NODE OUTPUT | ETHERNET | FINISH COLOR | MOUNTING | NUMBER OF BACK BOXES | REMARKS |
|---|---|---|---|---|---|---|---|
| CRP-01 WILLIAMS BOOTH | 2 | | 2 | BLACK | SURFACE | 1 | WALL MOUNT - EXACT LOCATION TBD |
| CRP-02 DOENGES BOOTH | 2 | | 2 | BLACK | SURFACE | 1 | WALL MOUNT - EXACT LOCATION TBD |
| CRP-03 NORMAN BOOTH | 2 | | 2 | BLACK | SURFACE | 1 | WALL MOUNT - EXACT LOCATION TBD |
| CRP - 11 CHAPMAN BOOTH | 2 | | 2 | BLACK | SURFACE | 1 | WALL MOUNT - EXACT LOCATION TBD |
| CRP - 12 CHAPMAN SL | 2 | | 2 | BLACK | RACK | 3 | REPLACE SINGLE GANG UNLABELED ETHERNET PORT WITH LABELED CRP |

7 TL501 CONTROL RECEPTACLE PANEL SCHEDULE
SCALE: NO SCALE

| DEVICE NUMBER AND DESCRIPTION | NUMBER OF PRESETS | PRESET LABELS | OPERATION | FINISH COLOR | LOCKING COVER | MOUNTING | REMARKS |
|---|---|---|---|---|---|---|---|
| ES-01 WILLIAMS VESTIBULE | 5 | 1. TBD<br>2. TBD<br>3. TBD<br>4. TBD<br>5. OFF | | BLACK | YES | SURFACE | |
| ES-02 DOENGES VESTIBULE | 10 | 1. TBD<br>2. TBD<br>3. TBD<br>4. TBD<br>5. TBD<br>6. TBD<br>7. TBD<br>8. TBD<br>9. TBD<br>10. OFF | | PER ARCHITECT | YES | SURFACE | REPLACE EXISTING PANEL |
| ES-03 NORMAN VESTIBULE | 5 | 1. TBD<br>2. TBD<br>3. TBD<br>4. TBD<br>5. TBD<br>6. TBD<br>7. TBD<br>8. TBD<br>9. TBD<br>10. OFF | | PER ARCHITECT | YES | SURFACE | NEW COTNROL STATION - WIRE FROM ES-02 |
| ES-31 WESTBY | 5 | 1. TBD<br>2. TBD<br>3. TBD<br>4. TBD<br>5. OFF | | PER ARCHITECT | YES | RECESSED | REPLACE EXISTIGN BUTTON STATION |
| HLP-00 WILLIAMS STAGE LEFT | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | WALL | REPLACE EXISTING CONTROL PANEL |
| HLP-01 DOENGES CORRIDOR | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | WALL | REPLACE EXISTING CONTROL PANEL |
| HLP-02 PORTABLE WILLIAMS | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PORTABLE | REPLACE EXISTING CONTROL PANEL |
| HLP-03 DOENGES BOOTH | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PANEL MOUNT | REPLACE EXISTING CONTROL PANEL |
| HLP-04 NORMAN BOOTH | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PANEL MOUNT | REPLACE EXISTING CONTROL PANEL |
| HLP-21 CHAPMAN BOOTH | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PANEL MOUNT | REPLACE EXISTING CONTROL PANEL |
| HLP-22 CHAPMAN SL | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PANEL MOUNT | REPLACE EXISTING CONTROL PANEL |
| HLP-23 CHAPMAN SR | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PANEL MOUNT | REPLACE EXISTING CONTROL PANEL |
| HLP-24 PORTABLE CHAPMAN | | LCD CONTROL PANEL PER SPECIFICATION | | BLACK | | PORTABLE | DELIVER TO OWNER |
| HLP-31 WESTBY | | LCD CONTROL PANEL PER SPECIFICATION | | PER ARCHITECT | | WALL MOUNT | REPLACE EXISTING CONTROL PANEL |

8 TL501 ENTRY STATION AND HOUSELIGHT PANEL SCHEDULE
SCALE: NO SCALE

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beck DESIGN



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PROJECT:
**PROJECT # SP 23-2 TULSA PERFORMING ARTS CENTER - PACKAGE No. 2 MECH., AV AND THEATRICAL LIGHTING UPGRADES**

PROJECT NUMBER:
**202331.00**

CONSULTANT:

THEATRE PLANNERS / LIGHTING DESIGNERS
Schuler Shook
219 MAIN STREET SE, SUITE 200
MINNEAPOLIS, MN 55414
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| 2 | 95% REVIEW SET | 12.19.2023 |
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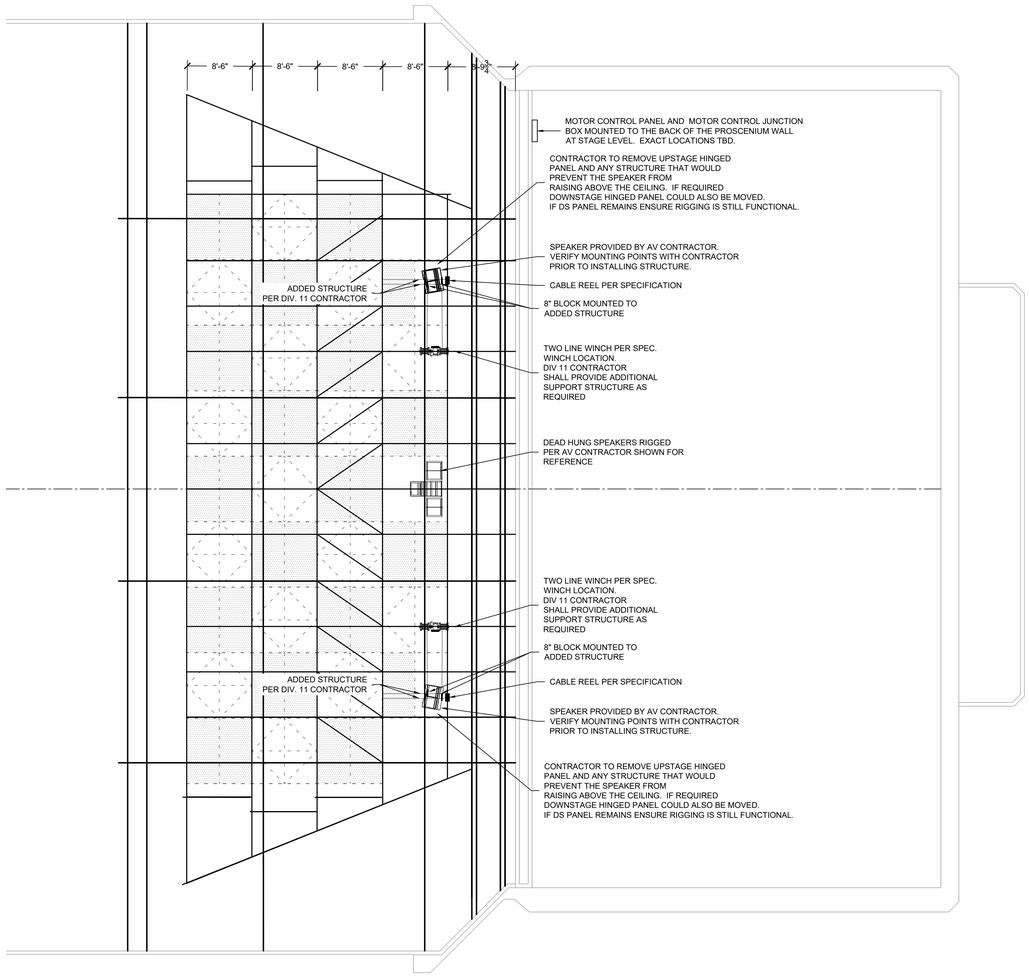
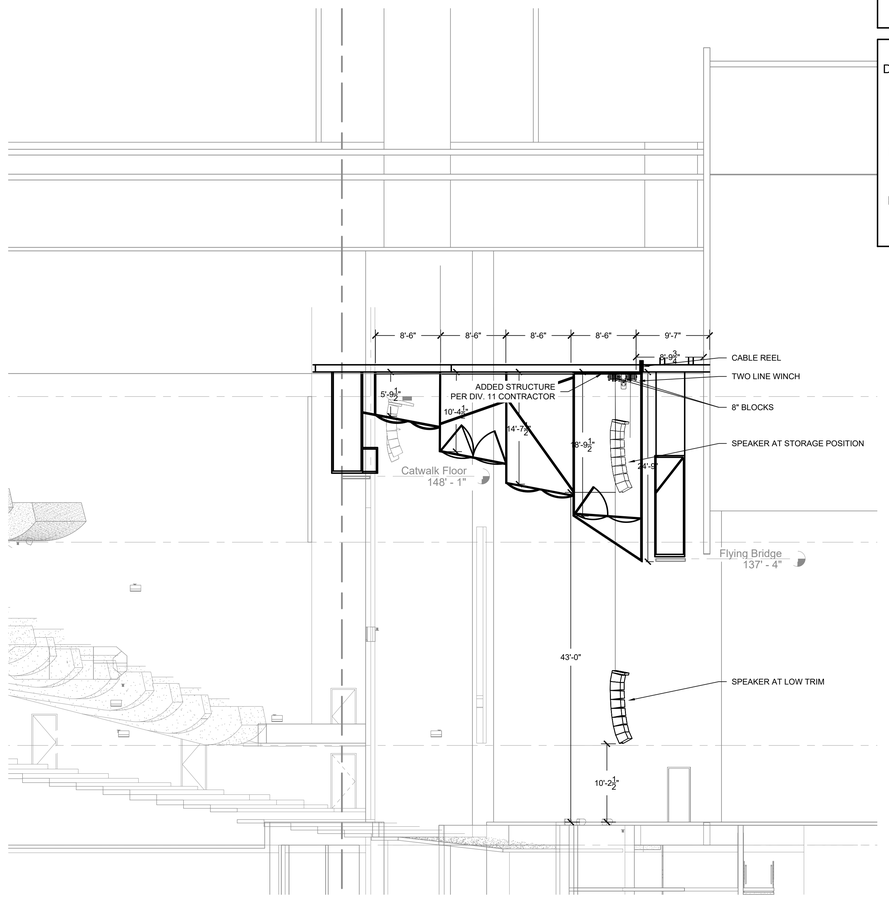
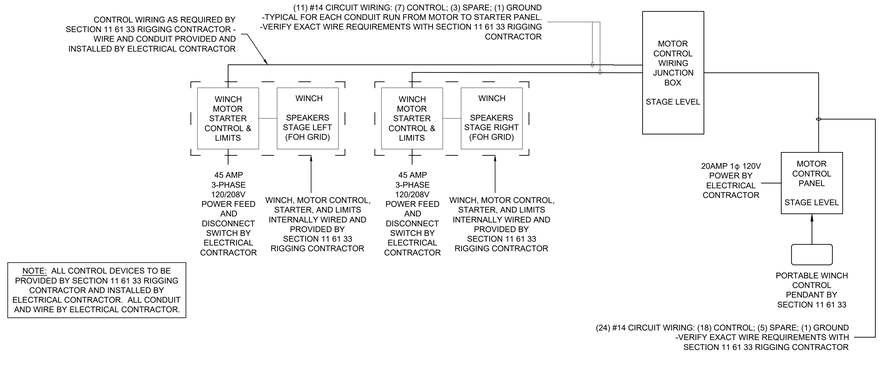
**DETAILS**




1 TR101 CHAPMAN SPEAKER RIGGING
SCALE: 1/8" = 1'-0"




2 TR101 SECTION AT SPEAKER RIGGING
SCALE: 1/8" = 1'-0"




3 TR101 CHAPMAN SPEAKER RIGGING - MOTOR CONTROL RISER
SCALE: NO SCALE

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GENERAL NOTES:

A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. STRUCTURAL MEMBERS ARE SHOWN FOR DESIGN INTENT ONLY.
C. FIELD VERIFY ALL DIMENSIONS AND MOUNTING CONDITIONS PRIOR TO INSTALLATION.
D. COORDINATE INSTALLATION OF SPEAKERS WITH A/V CONTRACTOR. FINAL LOCATION OF ADDED STRUCTURE AND BLOCKS MUST BE COORDINATED ON SITE WITH AV CONTRACTOR.

beck DESIGN



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**CHAPMAN SPEAKER RIGGING**