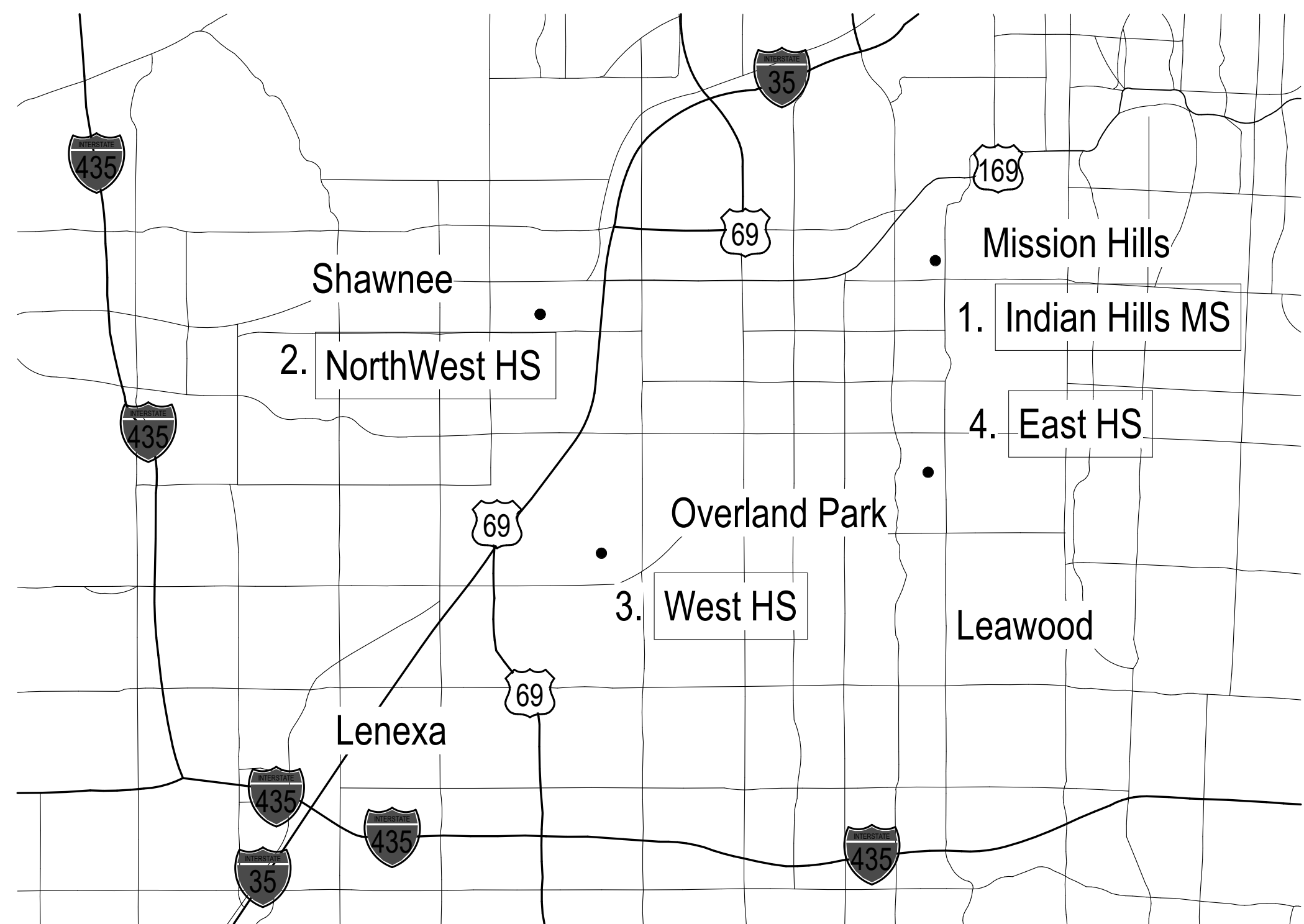


# SHAWNEE MISSION USD AV UPGRADES 2021

Indian Hills MS, Northwest HS, West HS, East HS



1. Indian Hills Middle School  
6400 Mission Road  
Prairie Village, KS 66208
2. Northwest High School  
12701 W. 67th St.  
Shawnee, KS 66216
3. West High School  
8800 W. 85th St.  
Overland Park, KS 66212
4. East High School  
7500 Mission Rd.  
Prairie Village, KS 66208

## SHEET INDEX

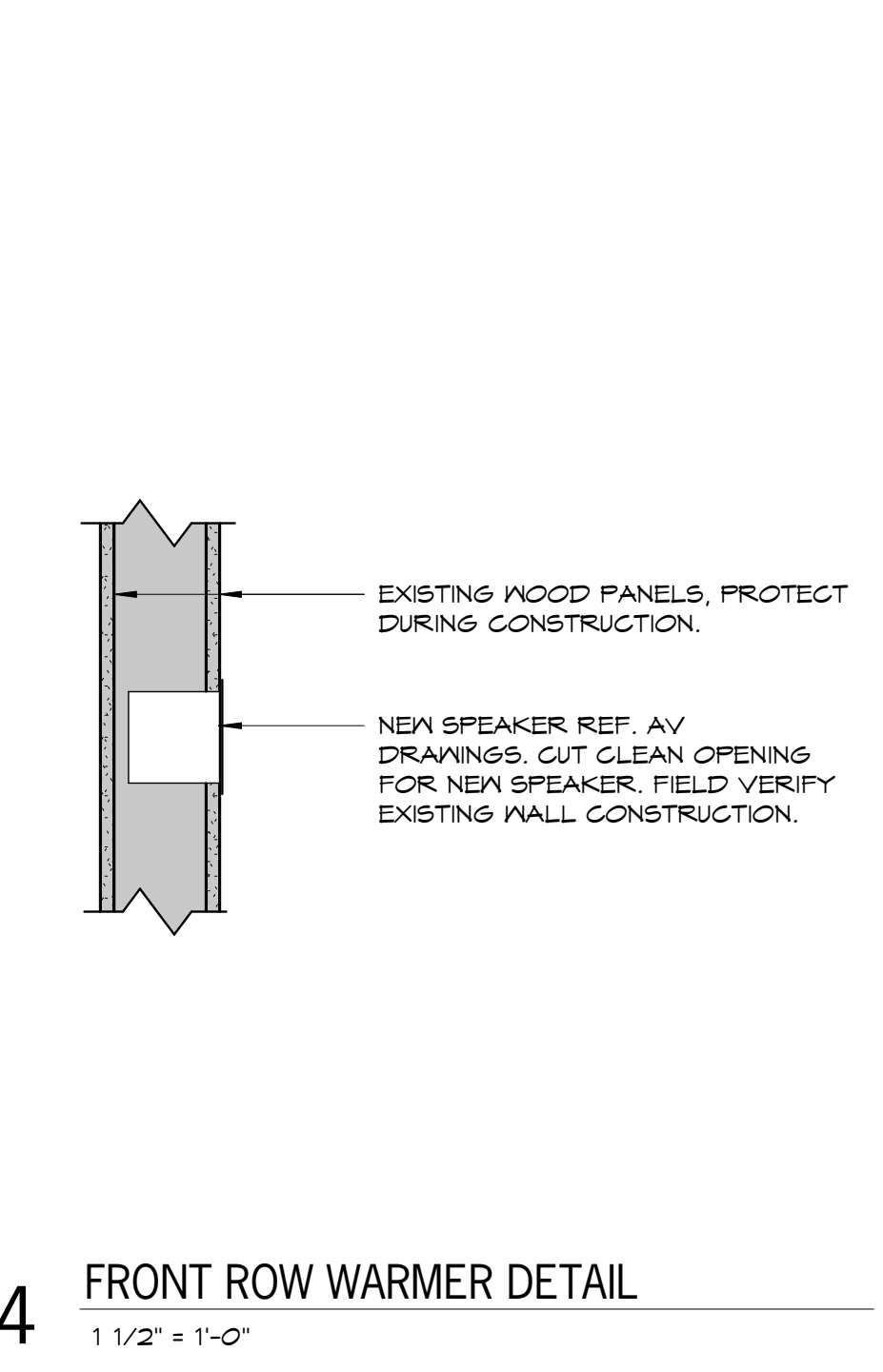
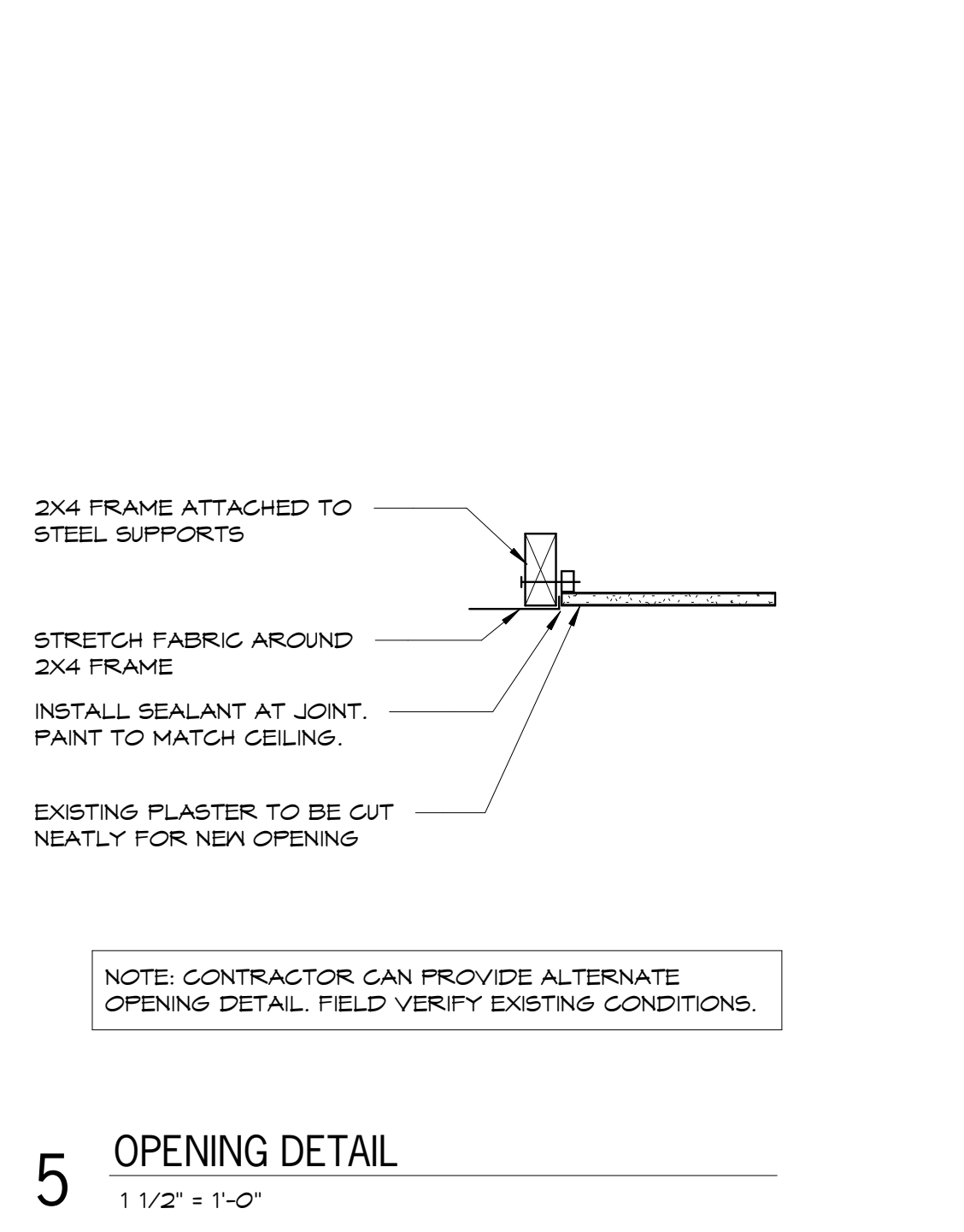
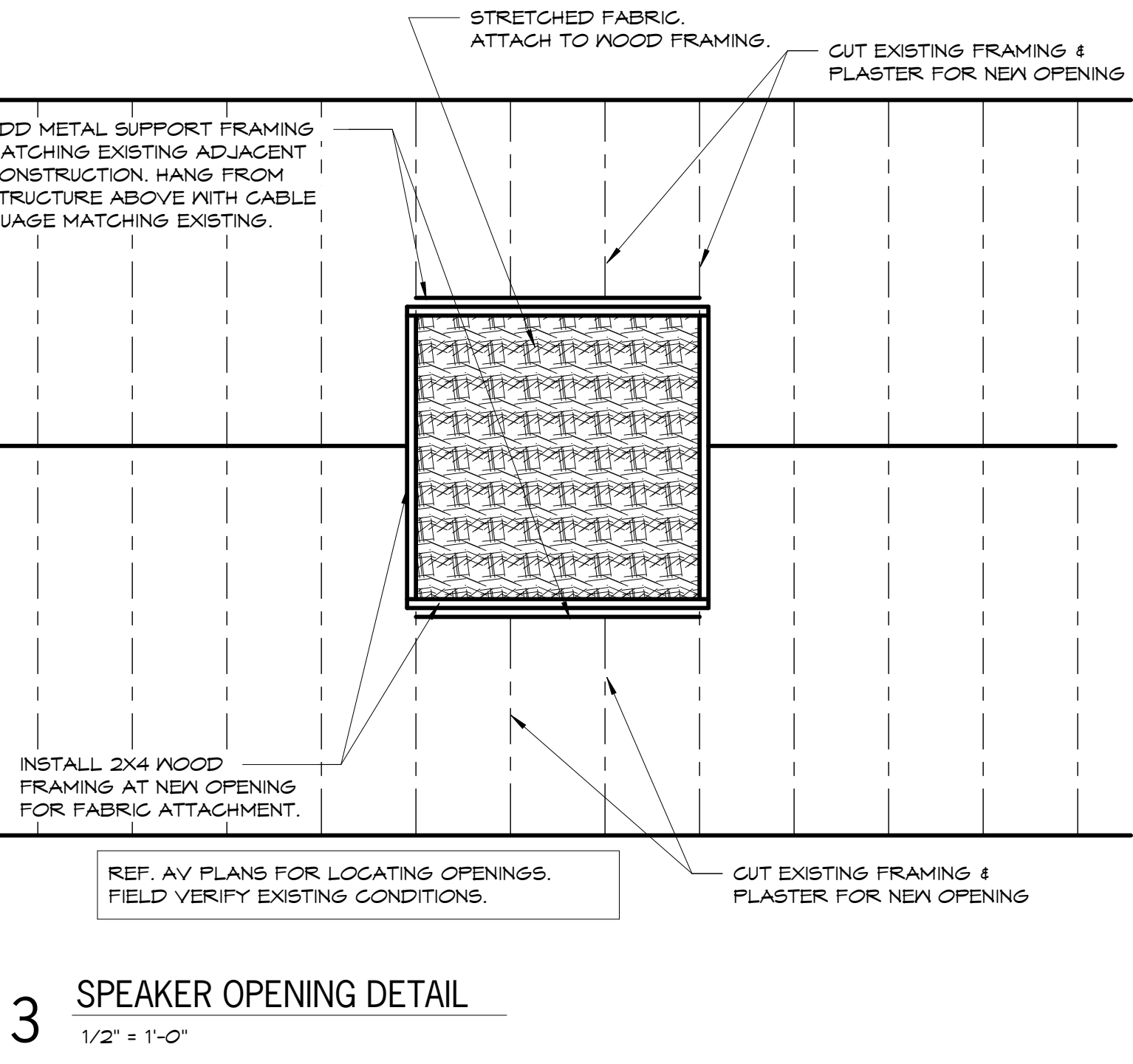
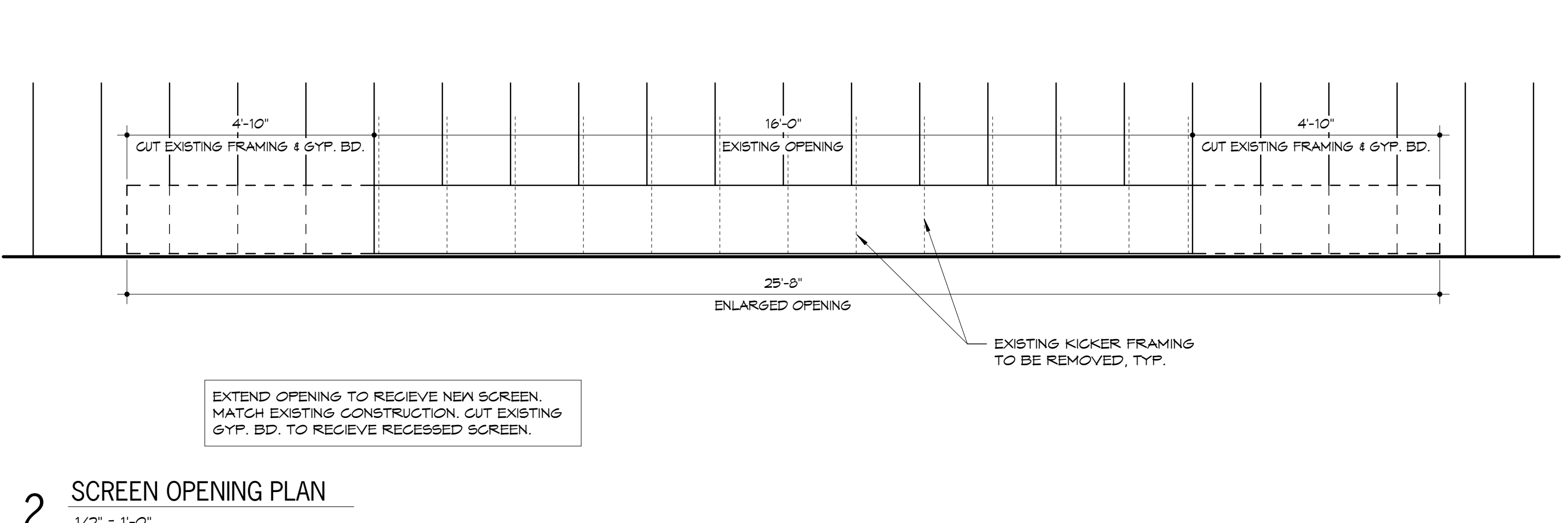
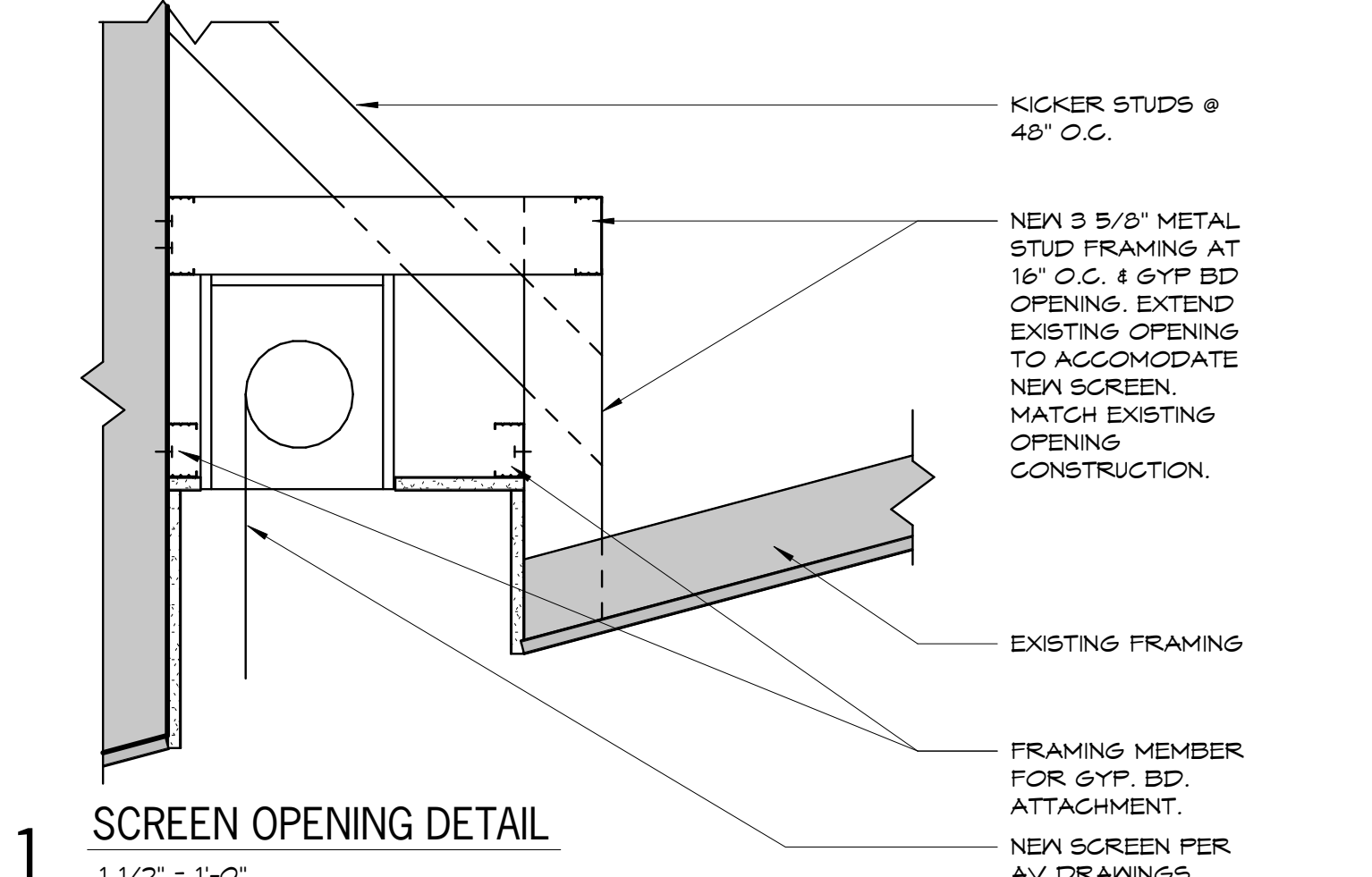
GENERAL	
AV001	GENERAL NOTES & LEGENDS
EAST HIGH SCHOOL AUDITORIUM	
AV101	DEMO PLANS & DETAILS
AV111	FLOOR PLAN
AV112	CEILING/CATWALK PLAN
AV141	SECTION, ENLARGED PLANS & DETAILS
AV151	RACK ELEVATIONS & PLATE DETAILS
AV161	ONE-LINE DIAGRAM - AV SYSTEM
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AV163	ONE-LINE DIAGRAM - AV SYSTEM
INDIAN HILLS MIDDLE SCHOOL GYMNASIUM	
AV201	DEMO PLAN & DETAILS
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WEST HIGH SCHOOL AUDITORIUM	
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AV361	ONE-LINE DIAGRAM - AV SYSTEM
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AV363	ONE-LINE DIAGRAM - AV SYSTEM
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AV401	DEMO PLANS & DETAILS
AV402	DEMO DETAILS
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AV461	ONE-LINE DIAGRAM - AV SYSTEM
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AV463	ONE-LINE DIAGRAM - AV SYSTEM
NORTHWEST HIGH SCHOOL LITTLE THEATER	
AV501	DEMO PLAN & DETAILS
AV511	FLOOR & CEILING PLANS
AV541	SECTION & DETAILS
AV561	AV ONE-LINE DIAGRAM

## PROJECT CONTACTS

**OWNER**  
Shawnee Mission School District  
6445 Carter Ave.  
Merriam, KS 66203  
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(913) 663-5375


**ACOUSTICAL CONSULTANT**  
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14027 W. 95th St.  
Lenexa, KS 66215  
**PROJECT CONTACT**  
David Metzel  
(913) 956-0623



BID DOCUMENTS

DATE:  
• 03/5/2021

REVISED DATE:  
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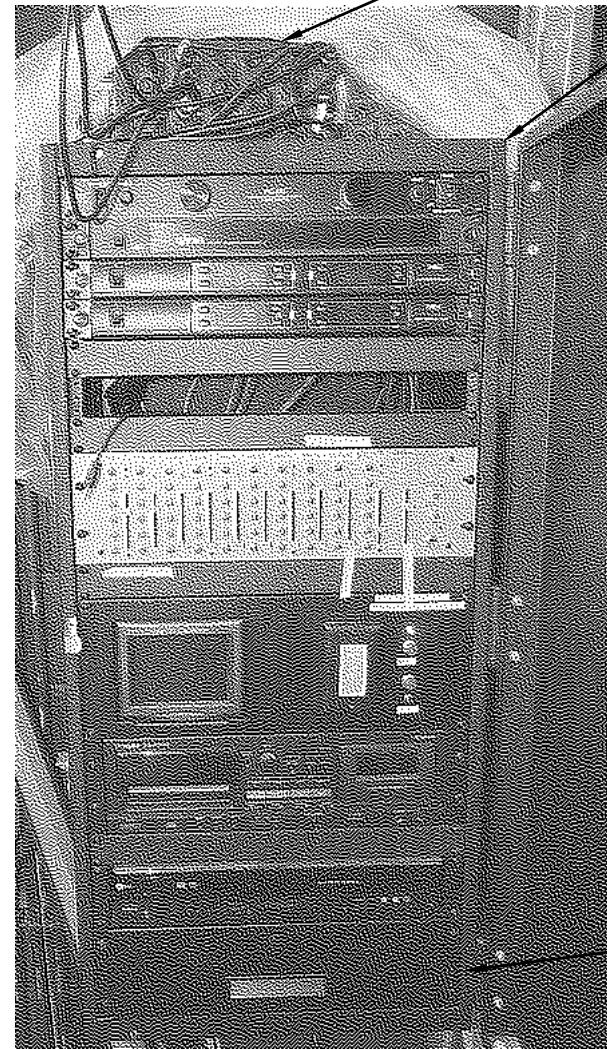
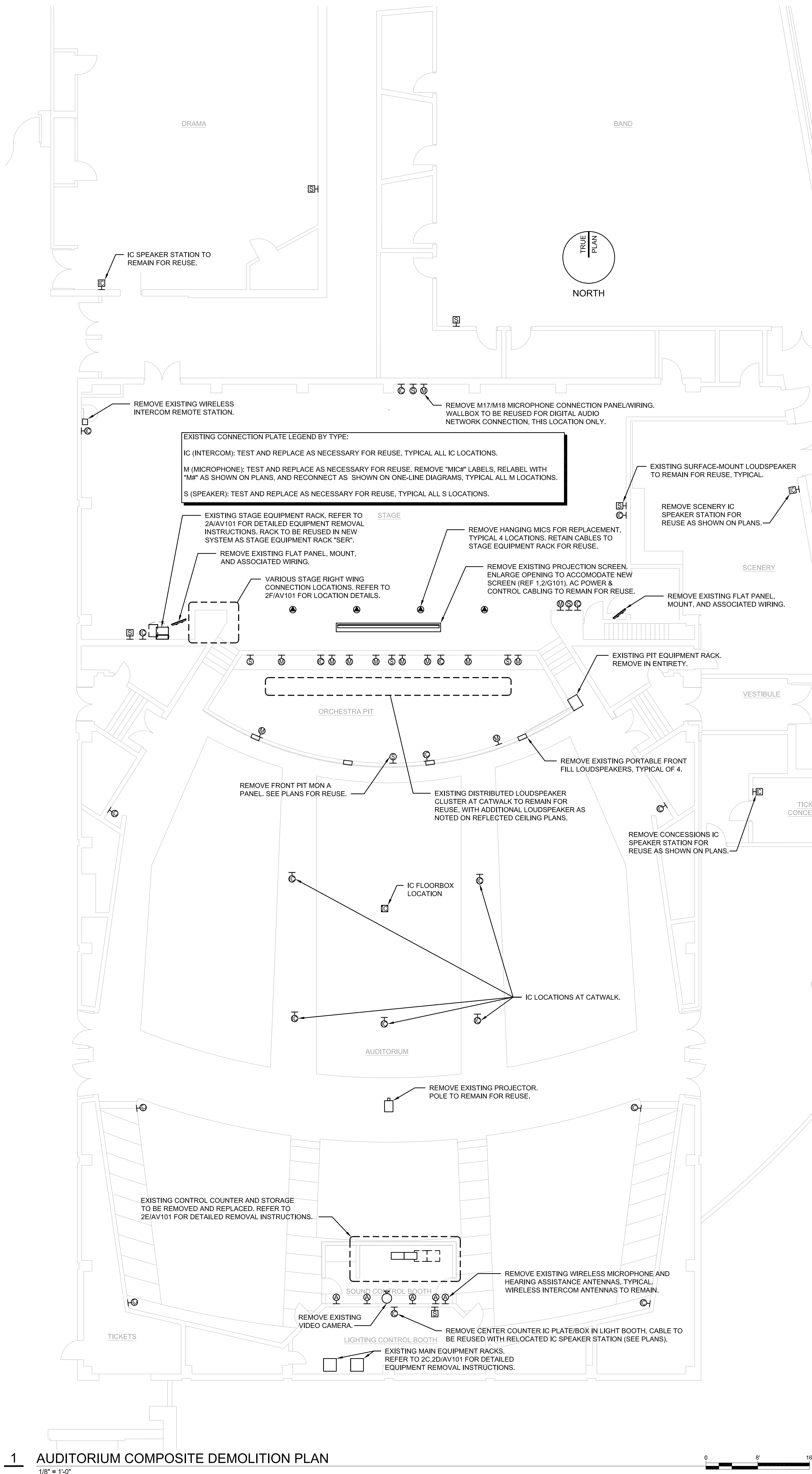
**HTK** 

**ARCHITECTS P A**

900 S. KANSAS AVE., SUITE 200 4300 W. 110TH, STE. 150  
TOPEKA, KANSAS 66612 OVERLAND PARK, KANSAS 66210  
P 785-266.5373 P 913.663.5373

[www.htkarchitects.com](http://www.htkarchitects.com)





**2A EXISTING STAGE EQUIPMENT RACK DEMO ELEVATION**  
No scale.

REMOVE EXISTING SEQUENCED MODULAR POWER OUTLETS IN REAR OF RACK (ATLAS). EXISTING AC POWER CIRCUITS TO REMAIN AS NECESSARY FOR REUSE WITH NEW AC POWER DISTRIBUTION EQUIPMENT.

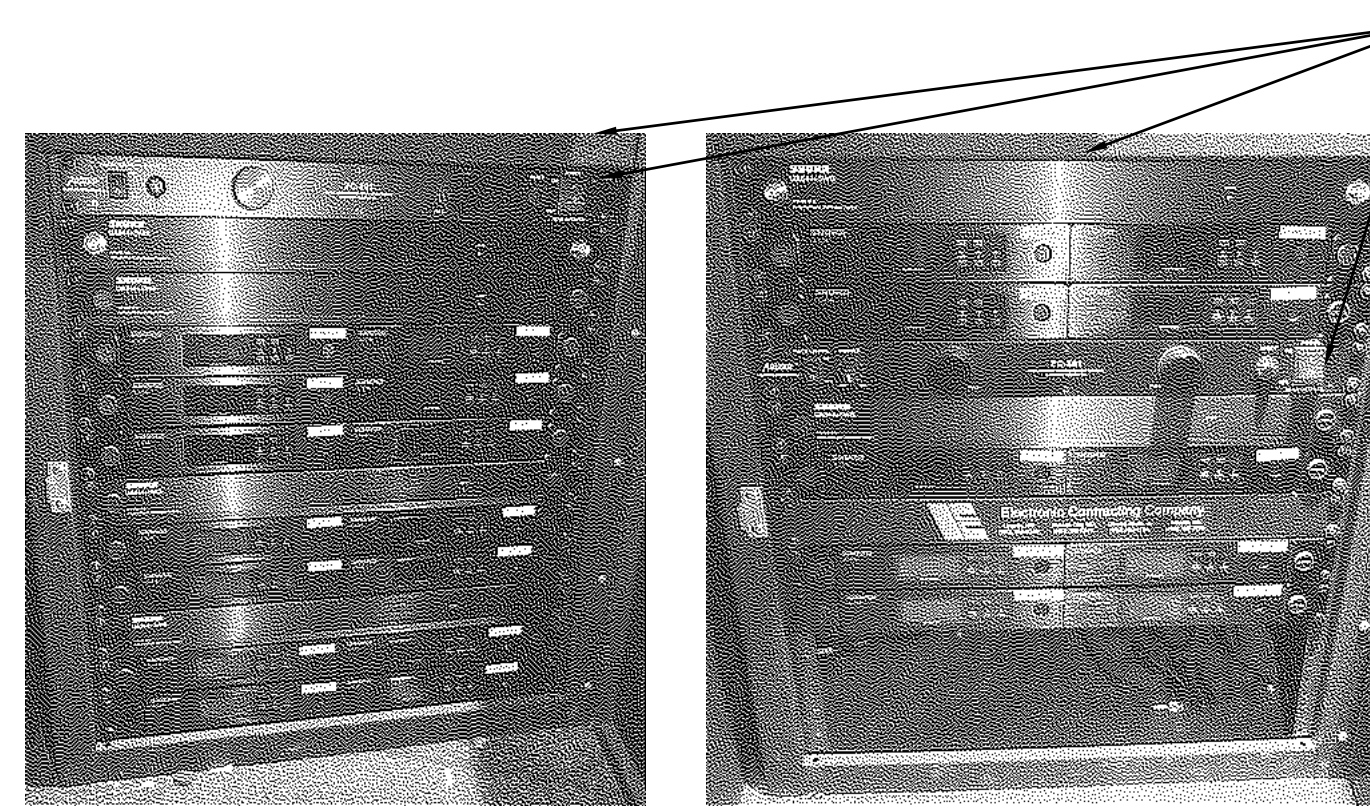
EQUIPMENT RACK TO REMAIN FOR REUSE.  
REMOVE EXISTING POWER SEQUENCERS AND ASSOCIATED PUSH-BUTTON CONTROLS ON TOP OF RACK.

KEEP MULTI-ZONE AUDIO DISTRIBUTION AND ASSOCIATED WIRING FOR REINSTALLATION AS SHOWN ON THE DRAWINGS.

KEEP RACK DRAWER FOR REUSE.

REMOVE POWER AMPLIFIERS, INPUT WIRING AND LOUDSPEAKER CABLE TO REMAIN FOR REUSE.

**2C EXISTING MAIN EQUIPMENT RACK (LEFT) DEMO ELEVATION**  
No scale.



**2B EXISTING CONTROL EQUIPMENT RACKS DEMO ELEVATION**  
No scale.

REMOVE EXISTING SEQUENCED MODULAR POWER OUTLETS IN REAR OF RACK (ATLAS). EXISTING AC POWER CIRCUITS TO REMAIN AS NECESSARY FOR REUSE WITH NEW AC POWER DISTRIBUTION EQUIPMENT.

EQUIPMENT RACK TO REMAIN FOR REUSE.  
REMOVE POWER MODULE.

REMOVE DIGITAL AUDIO PROCESSORS, ASSOCIATED WIRING TO AMPLIFIERS TO REMAIN FOR REUSE.

REMOVE VIDEO MONITOR AND VIDEO RACK PANEL.

KEEP WIRED INTERCOM FOR REINSTALLATION AS SHOWN ON THE DRAWINGS.

REMOVE EXISTING HEARING ASSISTANCE TRANSMITTER.

KEEP RF VIDEO MODULATOR FOR REINSTALLATION AS SHOWN ON DRAWINGS.

KEEP PRIMARY WIRELESS INTERCOM FOR REINSTALLATION AS SHOWN ON THE DRAWINGS.

REMOVE ANALOG AV DISTRIBUTION EQUIPMENT AND ASSOCIATED CABLE NOT NOTED FOR REUSE (REAR OF RACK).

**2D EXISTING MAIN EQUIPMENT RACK (RIGHT) DEMO ELEVATION**  
No scale.

EXISTING AC POWER LOCATIONS TO REMAIN FOR REUSE WHERE POSSIBLE. RELOCATE CONVENIENCE OUTLETS AS NECESSARY FOR ACCESS WITH NEW CONTROL COUNTER ASSEMBLY, EXISTING SWITCHED OUTLETS TO BE CONVERTED TO ALWAYS ON.

RELOCATE EXISTING SCREEN CONTROL TO NEW BOOTH LOCATION FOR USE WITH NEW SCREEN AS SHOWN ON PLANS.

REMOVE INTERCOM WALLPLATE AND EXTEND WIRING TO NEW BOOTH IC STATION LOCATIONS AS SHOWN ON PLANS.

REMOVE ANALOG VIDEO INPUT AND CONTROL.

IC LOCATION TO REMAIN.

REMOVE EXISTING POWER STRIP.

REMOVE CONTROL AREA COUNTER AND UNDERLYING SUPPORT STRUCTURE IN ENTIRETY, SEE PLANS FOR NEW CONTROL COUNTER ASSEMBLY DETAILS.

REMOVE EXISTING MIXING CONSOLES (PRESonus) AND XLR SNAKE. EXISTING FIELD WIRING TO REMAIN FOR REUSE AS INDICATED ON ONE-LINE DIAGRAMS.

EXISTING UNDER-COUNTER EQUIPMENT RACKS, REFER TO 2B/AV101D FOR DETAILED EQUIPMENT TRANSFER INSTRUCTIONS.

REMOVE EXISTING CONTROL EQUIPMENT RACK IN ENTIRETY.

REMOVE ANALOG VIDEO INPUT AND WALLBOX. CABLE PATHWAY TO BE REROUTED FOR NEW AV INPUT AS SHOWN ON PLANS.

REMOVE APPLE TV FOR REUSE AS INDICATED ON PLANS. REMOVE ENCLOSURE AND UNUSED WIRING.

EXISTING MICROPHONE / SPEAKER CONNECTIONS, REFER TO CONNECTION LEGEND ON 1A/AV111.

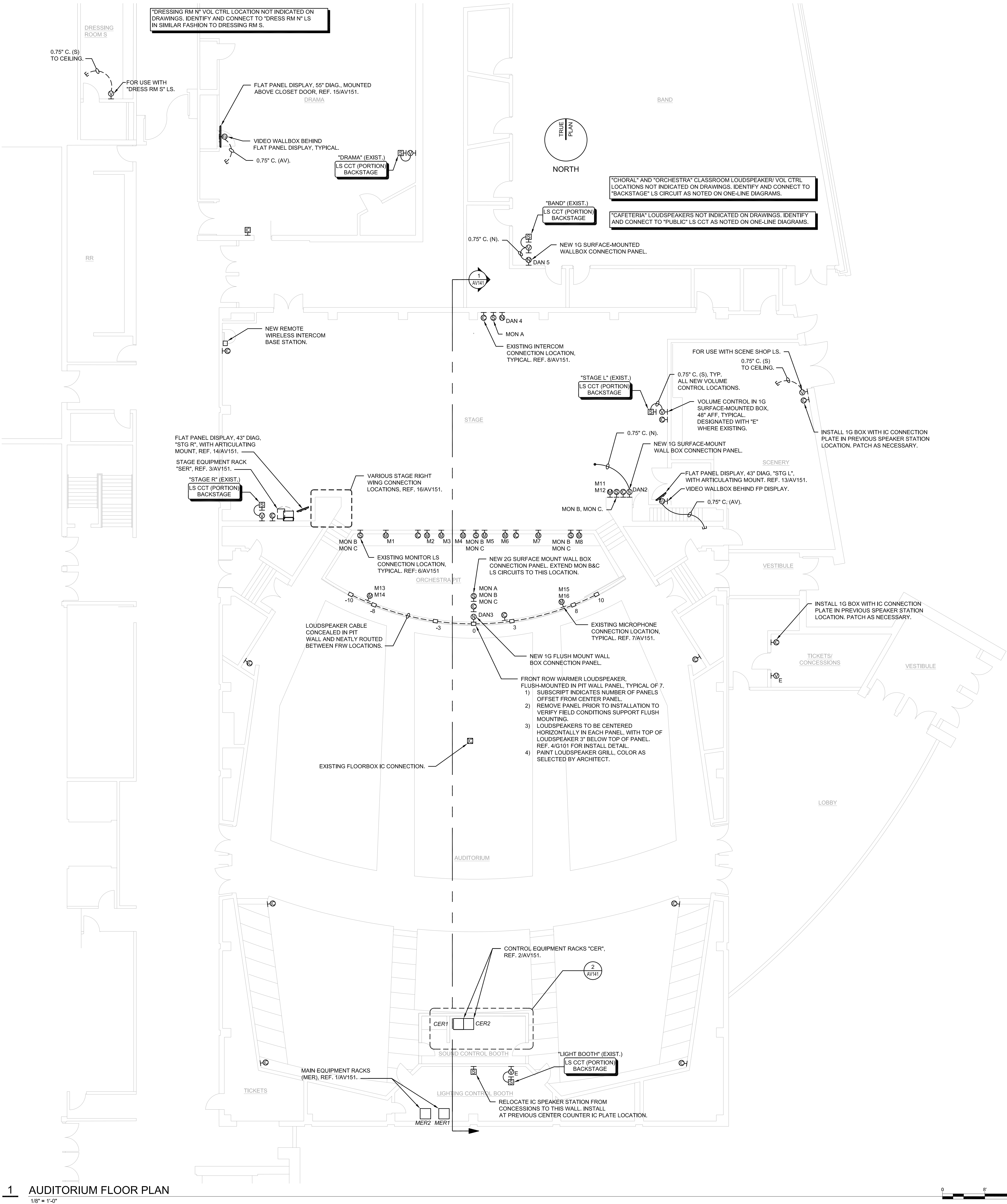
REMOVE STAGE RIGHT IC PLATE/BOX. CABLE TO BE REUSED WITH RELOCATED SPEAKER STATION (SEE PLANS).

SCREEN CONTROL TO REMAIN FOR REUSE.

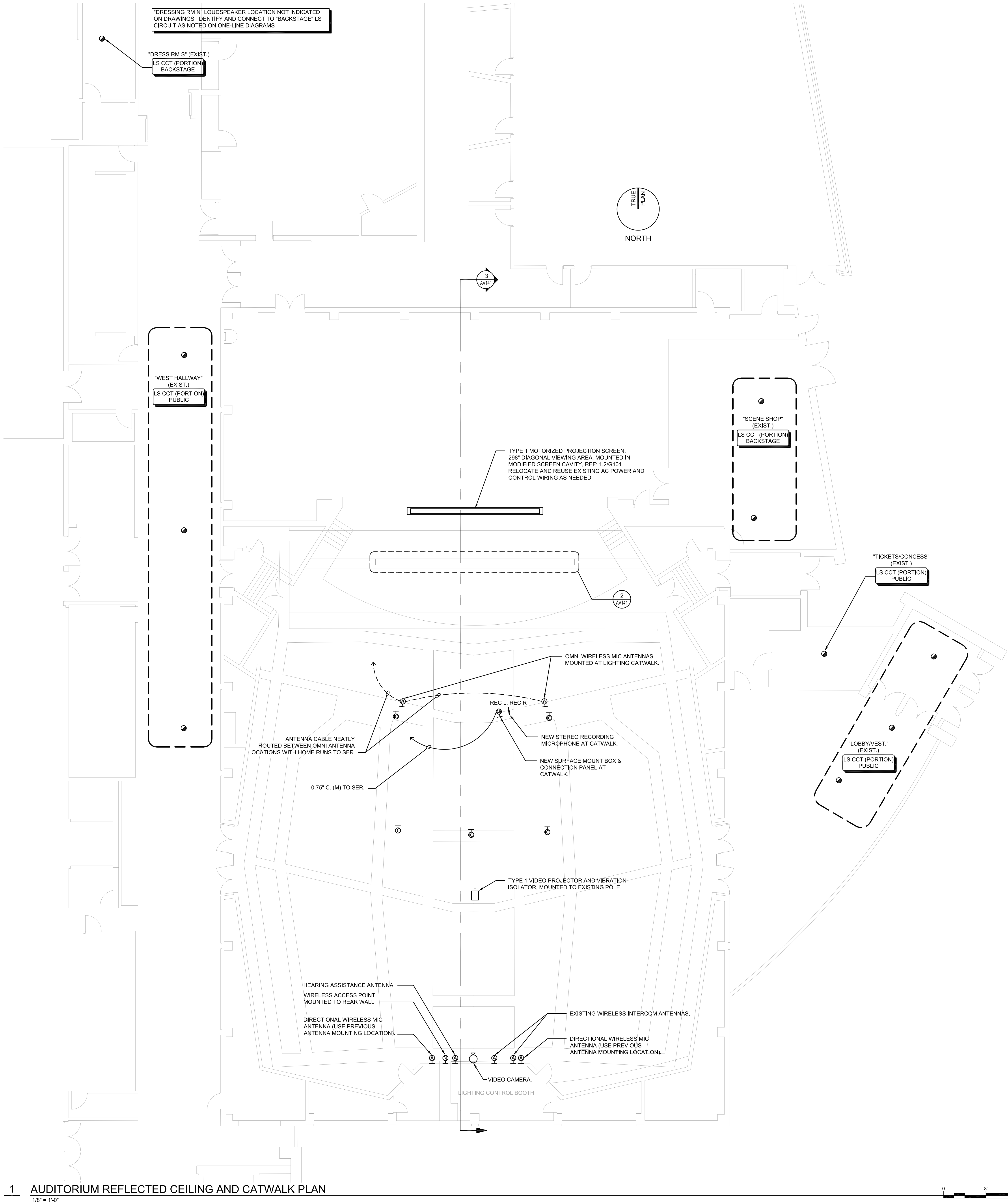
**2E EXISTING CONTROL COUNTER DEMOLITION DETAIL**  
1/2" = 1'-0"

**2F EXISTING STG R DEMO DETAIL**  
1/2" = 1'-0"









1 AUDITORIUM REFLECTED CEILING AND CATWALK PLAN  
1/8" = 1'-0"

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.
4. NON-RACK-MOUNTED EQUIPMENT AND COMPONENTS TO BE REUSED SHOULD BE STORED IN LOCATION DESIGNATED BY OWNER.

BID DOCUMENTS

DATE:  
● 03/05/2021

REVISED DATE:  
● ● ● ●

EAST AUDITORIUM

SHAWNEE MISSION USD  
AV UPGRADES 2021

SHEET CONTENTS:  
● CEILING/CATWALK PLANS

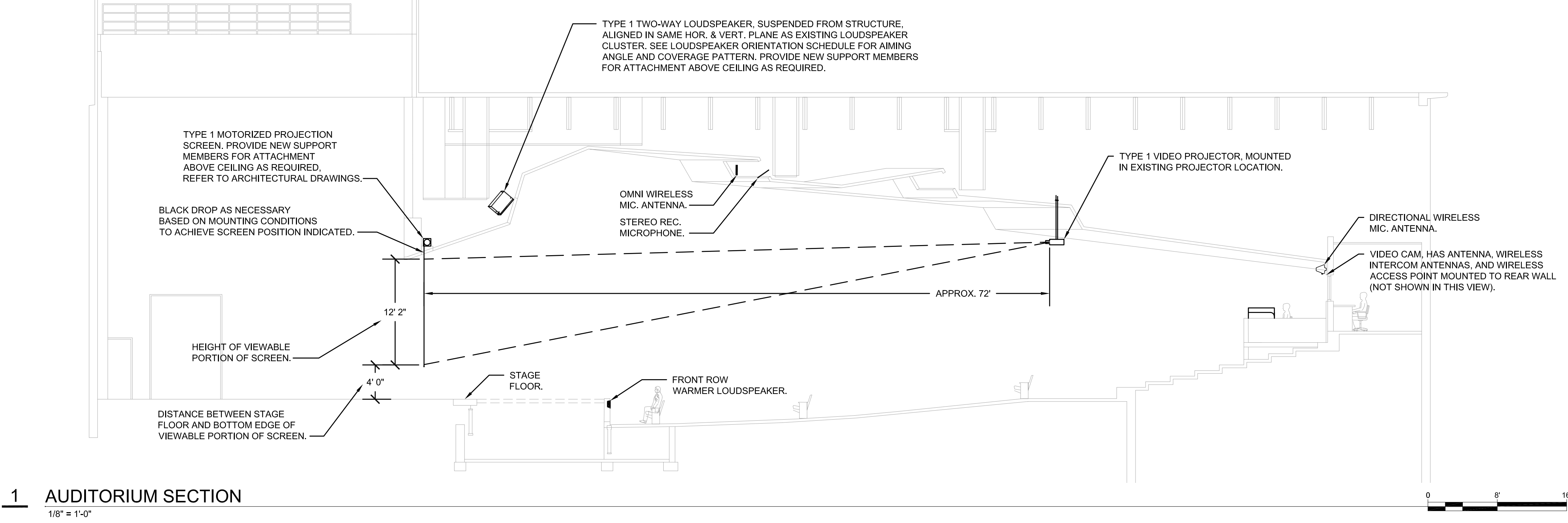
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● 1707.05-004

SHEET NUMBER:

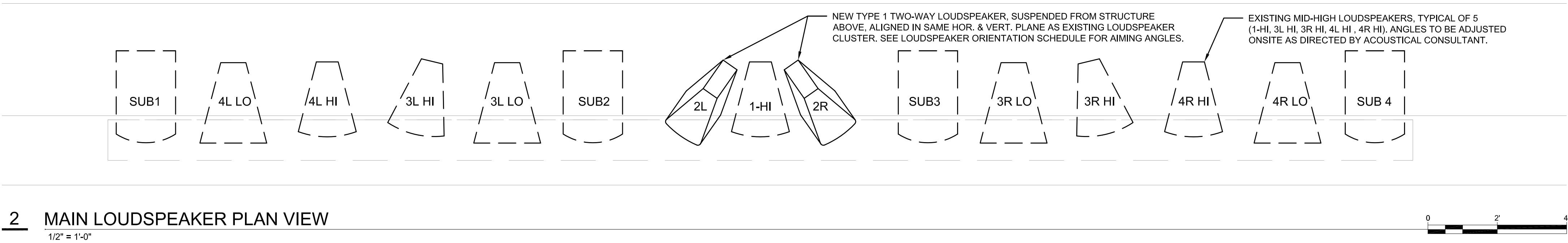
AV112



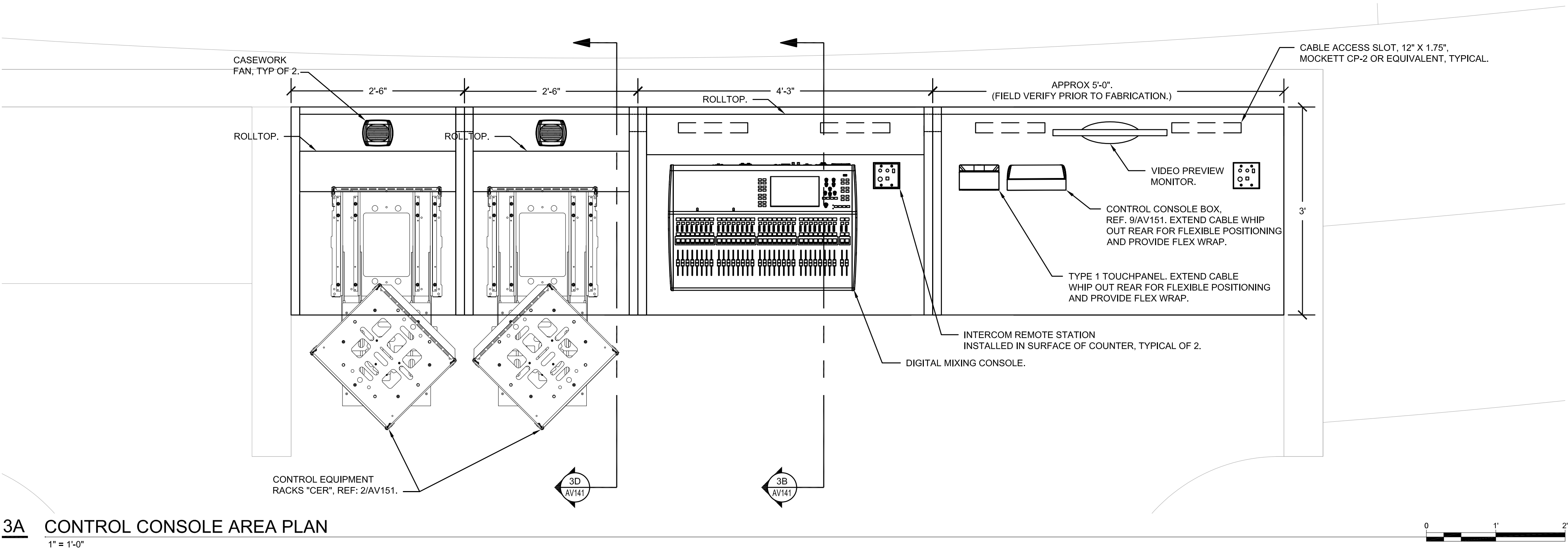
1 AUDITORIUM SECTION  
1/8" = 1'-0"



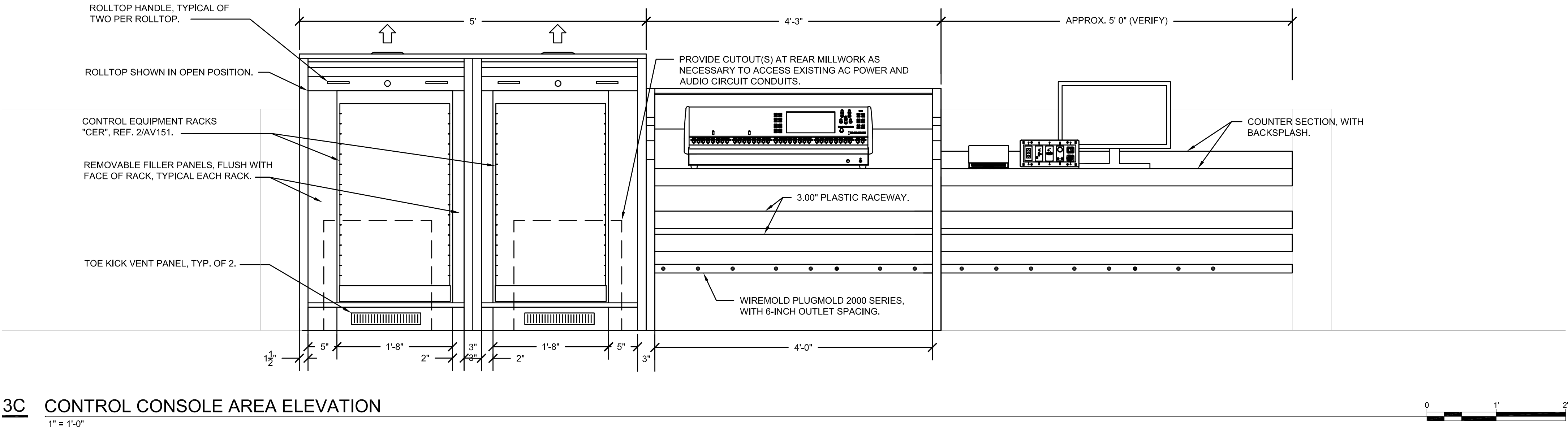
2 MAIN LOUDSPEAKER PLAN VIEW  
1/2" = 1'-0"



3A CONTROL CONSOLE AREA PLAN  
1" = 1'-0"



3C CONTROL CONSOLE AREA ELEVATION  
1" = 1'-0"



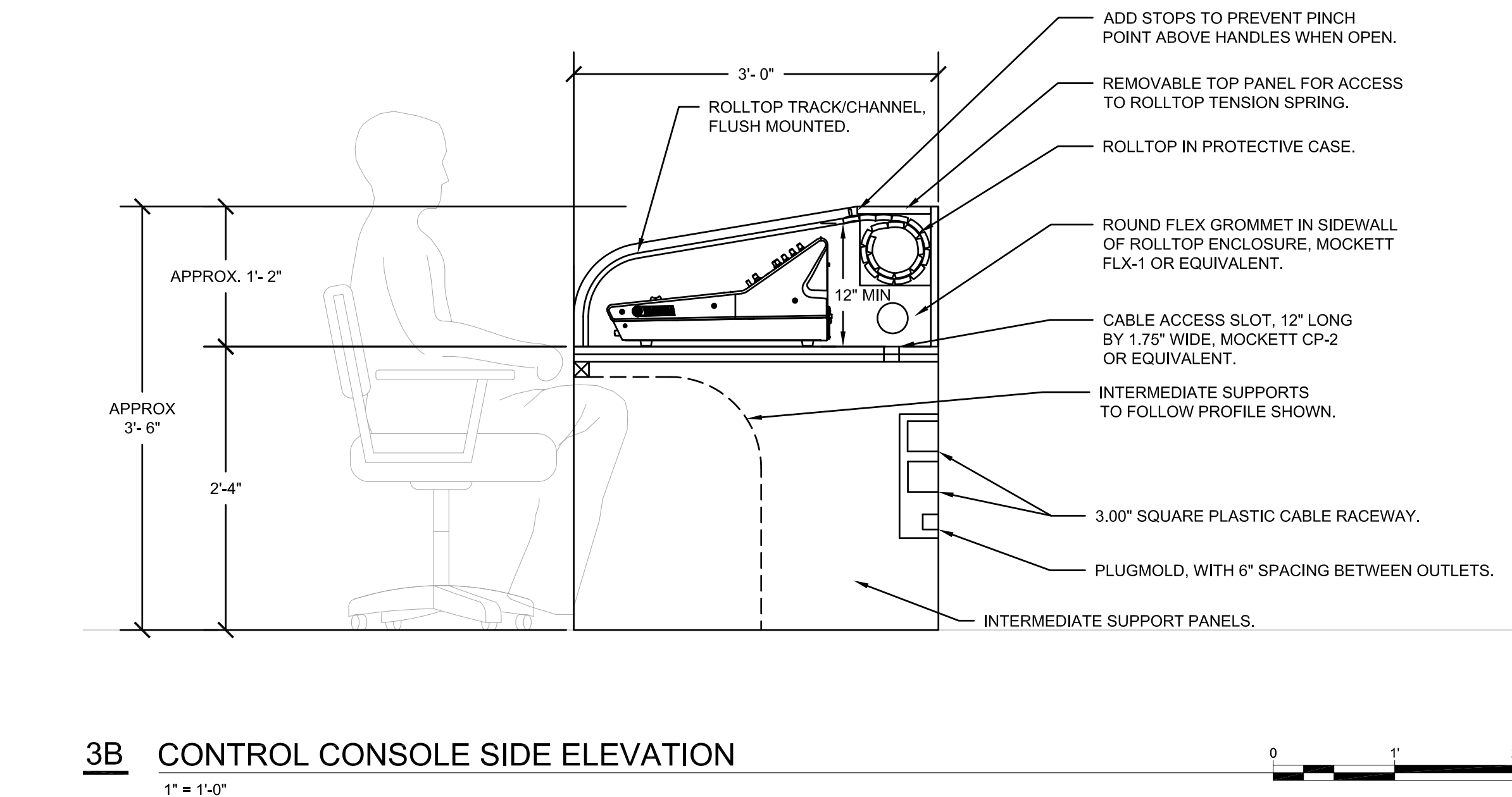
LOUDSPEAKER NOTES

1. STRUCTURAL DETAILS, STRUCTURAL MEMBER TYPES, SIZES, AND ATTACHMENT METHODS ARE SHOWN FOR CONCEPT ONLY. ATTENTION IS CALLED TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING APPROVAL OF THE EXACT DETAILS TO BE USED.
2. INSTALL LOUDSPEAKERS SO THERE ARE NO OBSTRUCTIONS TO EACH LOUDSPEAKER'S RATED COVERAGE PATTERN.
3. LOUDSPEAKERS ARE DRAWN TO APPROXIMATE DIMENSIONS. VERIFY EXACT DIMENSIONS REQUIRED FOR LOUDSPEAKERS FURNISHED.
4. PROVIDE ACCESS TO LOUDSPEAKERS DURING INSTALLATION, TESTING, AND EQUALIZATION ACTIVITIES. REORIENT LOUDSPEAKERS, IF SO REQUESTED BY ACOUSTICAL CONSULTANT, DURING SYSTEM TESTING AND EQUALIZATION ACTIVITIES.

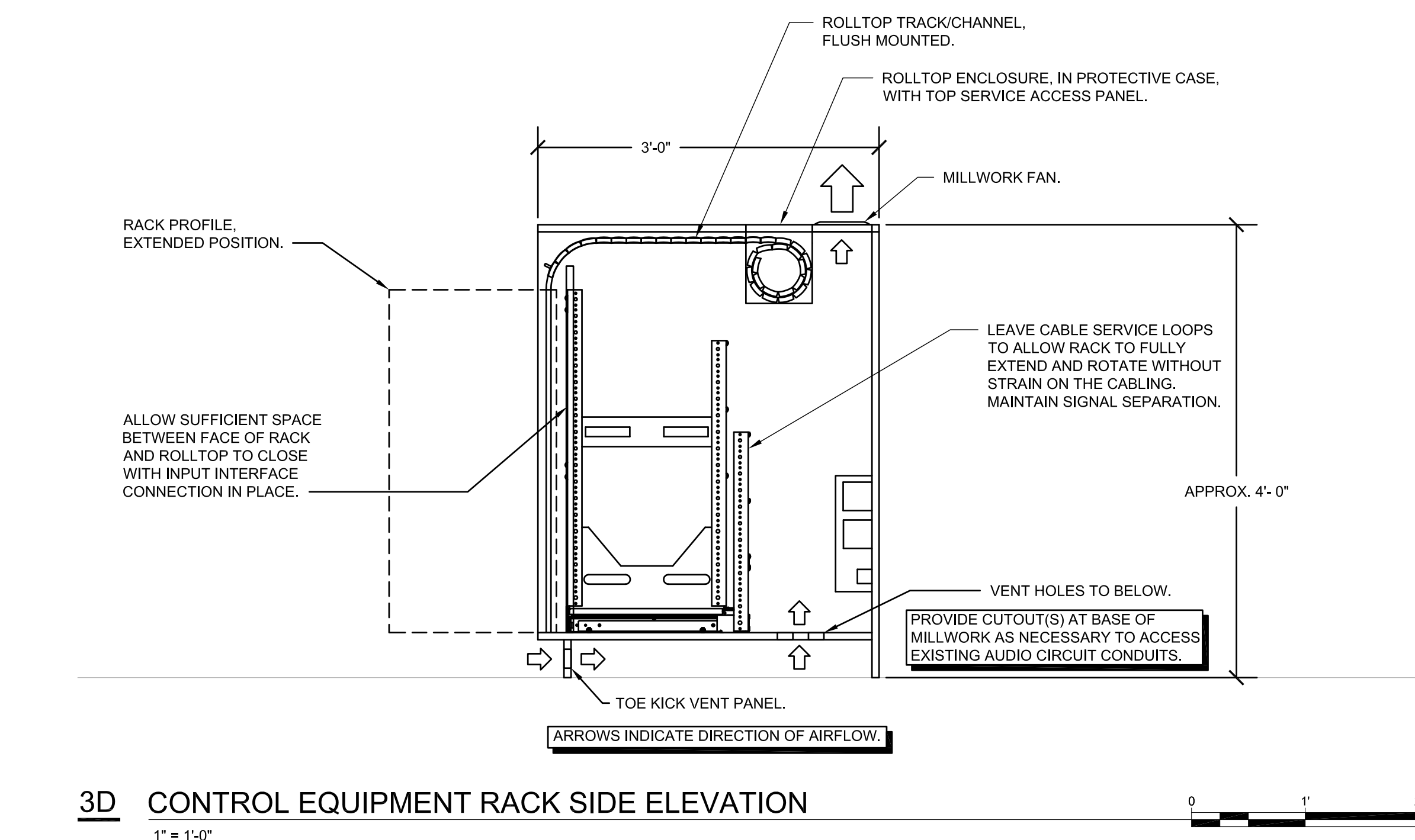
GENERAL CONTROL CONSOLE NOTES

1. VERIFY EXISTING CONDITIONS AT THE CONTROL LOCATION PRIOR TO FABRICATION AND AS REQUIRED TO COORDINATE WITH BASIC CONSTRUCTION.
2. ALL CONSOLE AND EQUIPMENT DIMENSIONS ARE SHOWN FOR CONCEPT ONLY. VERIFY DIMENSIONS AND MOUNTING REQUIREMENTS FOR ALL EQUIPMENT FURNISHED PRIOR TO CONTROL COUNTER FABRICATION.
3. SUBMIT DETAILED SHOP DRAWINGS PRIOR TO CONSOLE FABRICATION.
4. UNLESS INDICATED OTHERWISE, THE CONSOLE MILLWORK SHALL COMPLY WITH THE ARCHITECTURAL WOODWORK INSTITUTE'S QUALITY STANDARDS SECTION 400, ARCHITECTURAL CABINETS, AND DIVISIONS 400B AND 400C, CUSTOM GRADE, FLUSH OVERLAY. CONSOLE SHALL BE 0.75" PLYWOOD OR MDF CONSTRUCTION, USING TWO 0.75" LAYERS FOR LOAD BEARING SPANS, WITH HIGH PRESSURE DECORATIVE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, INCLUDING ALL SHELVES AND INTERIOR VISIBLE SURFACES. PLASTIC LAMINATE SHALL BE GP-50 FOR HORIZONTAL SURFACES, INCLUDING COUNTERTOPS, AND GP-25 FOR VERTICAL SURFACES AND EDGES. LAMINATE SELECTION SHALL BE MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS AND FINISHES, PATTERNS SERIES. INSTALLATION TO COMPLY WITH AIA SECTION 1700, INSTALLATION, FOR SAME GRADE SPECIFIED ABOVE.
5. ROLLTOP CONSTRUCTION SHALL BE EXTRUDED ALUMINUM SLATS, DOUBLE WALL CONSTRUCTION, "DARK BRONZE" COLOR. ALL ROLLTOPS SHALL HAVE A PROTECTIVE CASE, WITH KEYED LOCK WITH BARS, TWO PULL HANDLES, AND BLACK STOPS. ASSEMBLIES SHALL BE SPRING ASSISTED, PROPERLY ADJUST TENSION PRIOR TO INSTALLATION.

3B CONTROL CONSOLE SIDE ELEVATION  
1" = 1'-0"



3D CONTROL EQUIPMENT RACK SIDE ELEVATION  
1" = 1'-0"



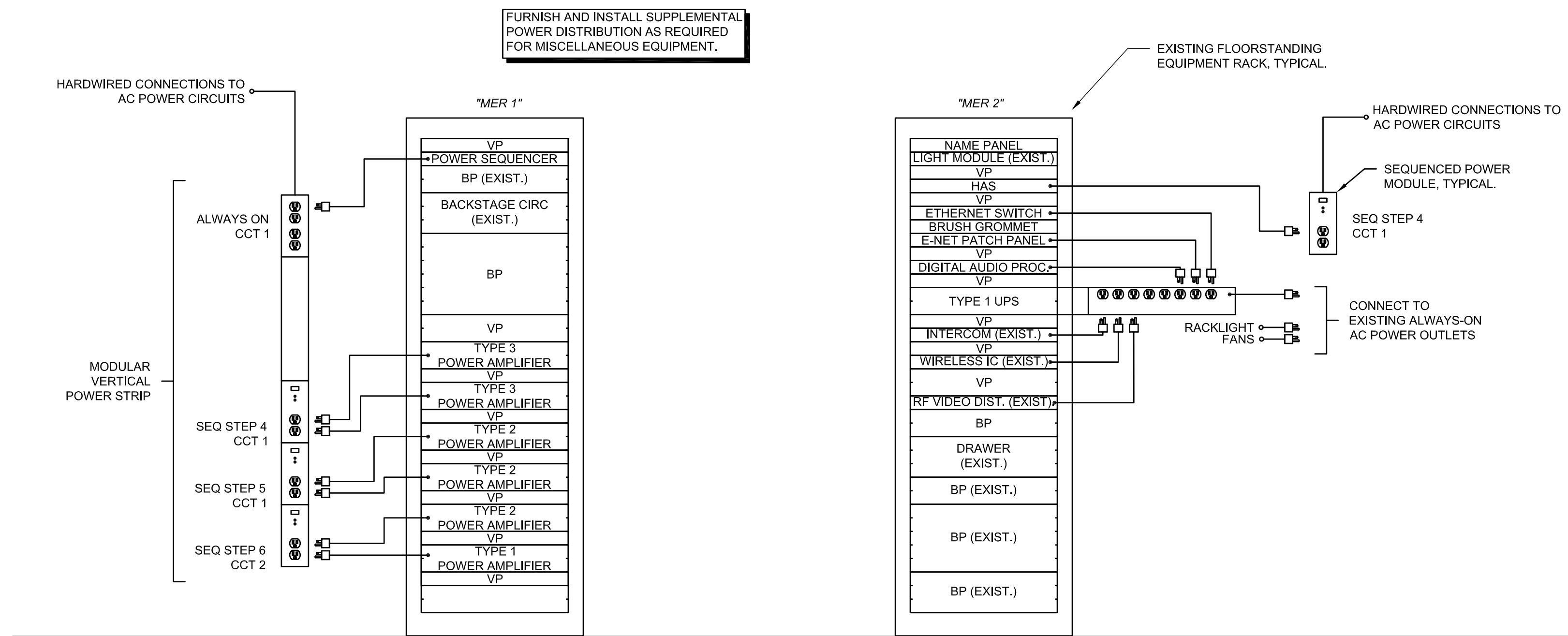
## LOUDSPEAKER ORIENTATION SCHEDULE

LOUDSPEAKER DESIGNATOR	COVERAGE PATTERN HOR. X VERT.	ROLL ROTATION (DEGREES)	HORIZONTAL ROTATION (DEGREES)	VERTICAL TILT-DOWN (DEGREES)
2L	90 X 50	0	R35	40
2R	90 X 50	0	L35	40

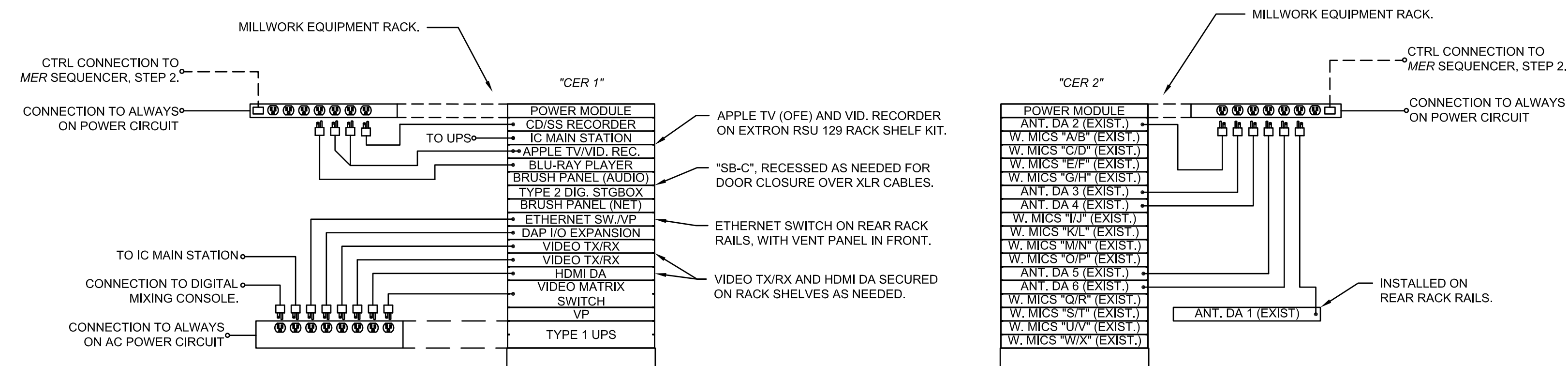
### TO ORIENT LOUDSPEAKERS

1. VIEW ALL LOUDSPEAKERS FROM THE REAR.
2. ROLL LOUDSPEAKER TO SCHEDULED ANGLE CLOCKWISE (CW) OR COUNTERCLOCKWISE (CCW).
3. ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE.
4. TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL.
5. PLAN SOUTH EQUALS 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS (PARALLEL TO CENTER LINE OF AUDITORIUM)

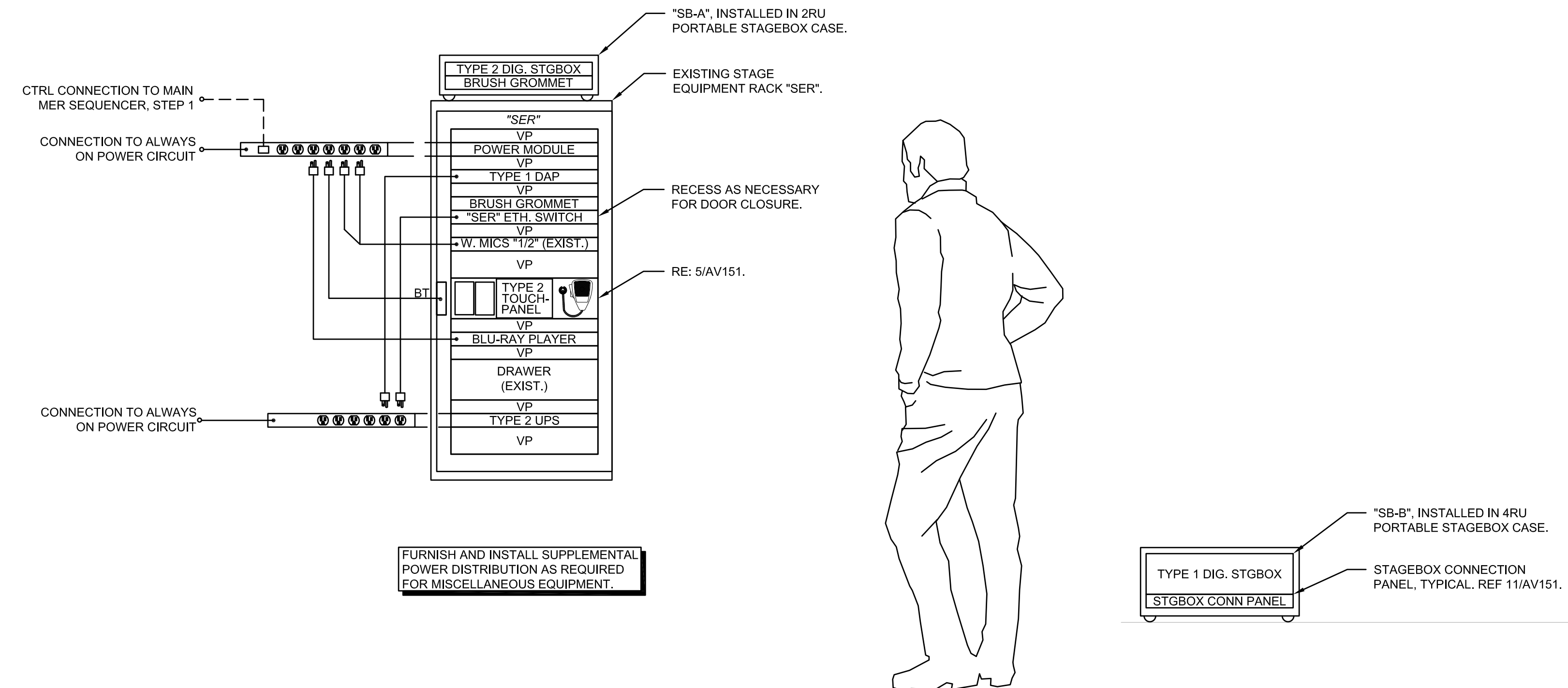




1 MAIN EQUIPMENT RACK ("MER") ELEVATIONS  
1" = 1'-0"



2 CONTROL EQUIPMENT RACKS ("CER") ELEVATIONS  
1" = 1'-0"



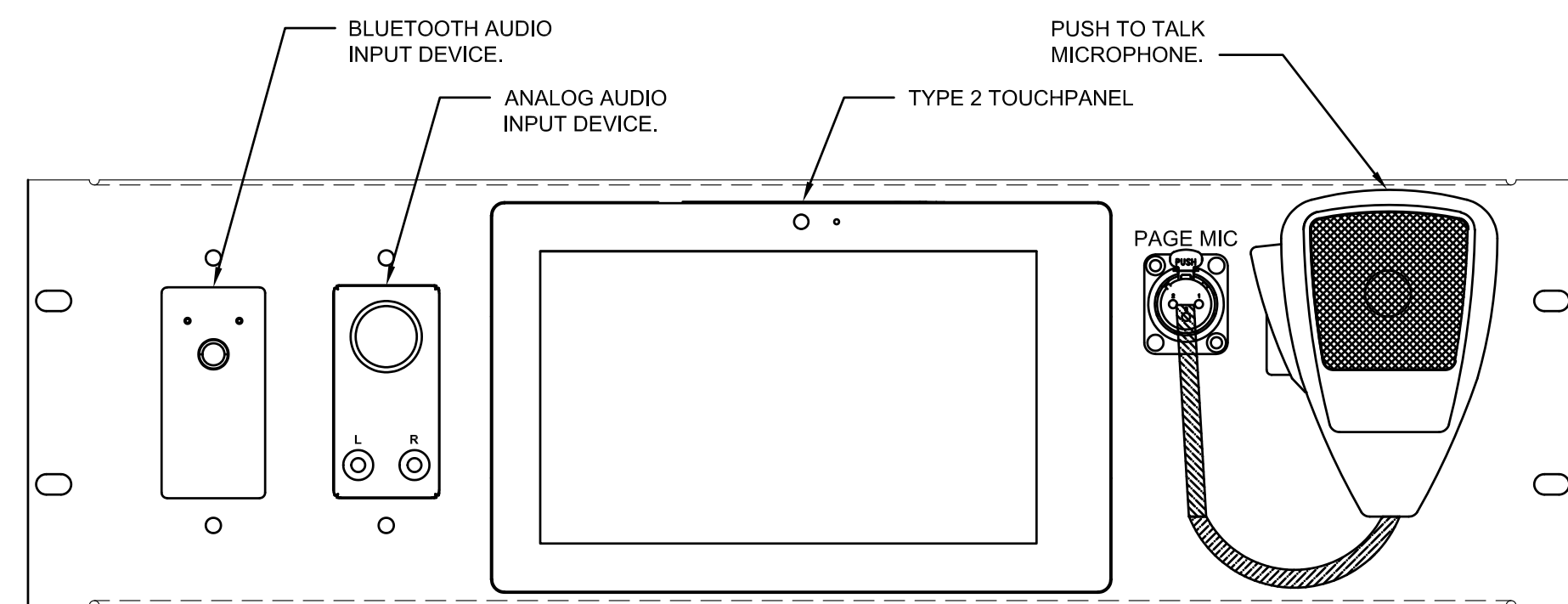
3 STAGE EQUIPMENT RACK ("SER") ELEVATION  
1" = 1'-0"

EXISTING CONNECTION PANEL NOTES

1. REPLACE ALL EXISTING MICROPHONE, INTERCOM, AND MONITOR LOUDSPEAKER CONNECTION PLATES WHICH ARE DAMAGED OR UNLABELED WITH NEW LABELED CONNECTION PLATES WHICH MEET SPECIFICATION REQUIREMENTS.

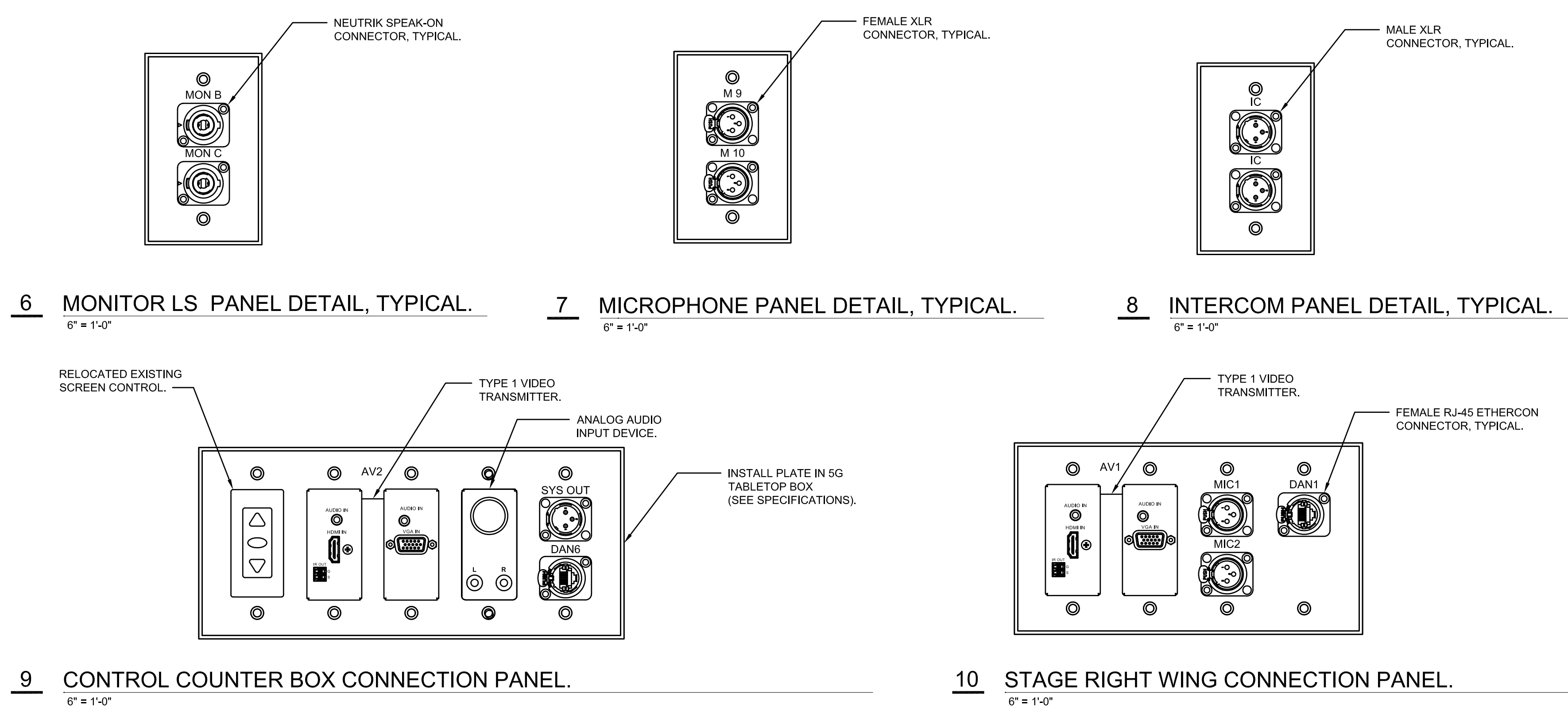
GENERAL CONNECTION PANEL NOTES

1. UNLESS NOTED OTHERWISE, STANDARD GANG CONNECTION PANELS SHALL BE SIERRA STAINLESS STEEL WALL PLATES, OR COLOR AS SELECTED BY ARCHITECT.
2. ALL CONNECTION PANELS SHALL HAVE COUNTERSUNK SCREW HOLES AND PHILLIPS COUNTERSUNK OR OVAL-HEAD SCREWS FINISHED TO MATCH PANEL. ALL LETTERING SHALL BE ENGRAVED AND FILLED DIRECTLY ON THE PANEL. REGARDLESS OF PANEL COLOR, ALL PANEL MOUNTED CONNECTORS SHOULD MATCH THE FINISH COLOR OF THE PANEL WHEREVER POSSIBLE.
3. ALL STANDARD SIZED RACK PANELS USED TO MOUNT CONTROLS OR CONNECTORS SHALL HAVE FORMED EDGES, WITH ALL LETTERING ENGRAVED AND FILLED DIRECTLY ON THE PANEL.
4. VERIFY ALL DIMENSIONS AND SPACING FOR PANEL-MOUNTED COMPONENTS AND ENGRAVING. UNLESS NOTED OTHERWISE, ENGRAVED TEXT SHALL BE 3/16-INCH HIGH. SPACING BETWEEN PANEL-MOUNTED COMPONENTS SHALL BE SUFFICIENT TO ENABLE FRONT CABLE CONNECTIONS TO BE MADE EASILY.
5. CONNECTION PANEL LAYOUTS SHALL BE ACCORDING TO FUNCTION WITH ALL CONNECTIONS OF ONE TYPE LOCATED TOGETHER. LABELS SHALL BE LOCATED ABOVE THE CORRESPONDING CONNECTOR OR COMPONENT.
6. SUBMIT A SHOP DRAWING FOR EACH CONNECTION PANEL WITH ALL CONNECTIONS, DEVICES, LABELS, COLORS AND SIZES CLEARLY INDICATED.



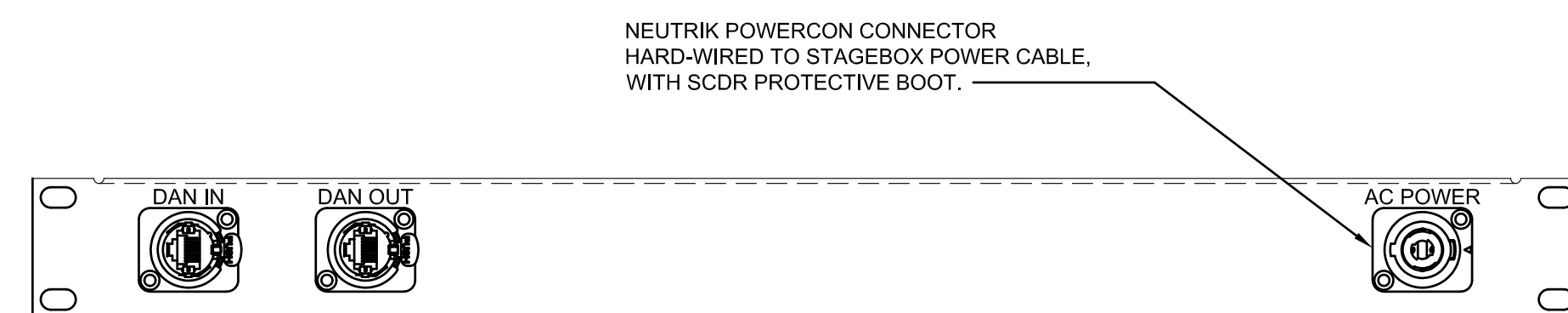
5 SER CONNECTION PANEL DETAIL  
6" = 1'-0"

4 PORTABLE STAGEBOX CASE.  
1" = 1'-0"

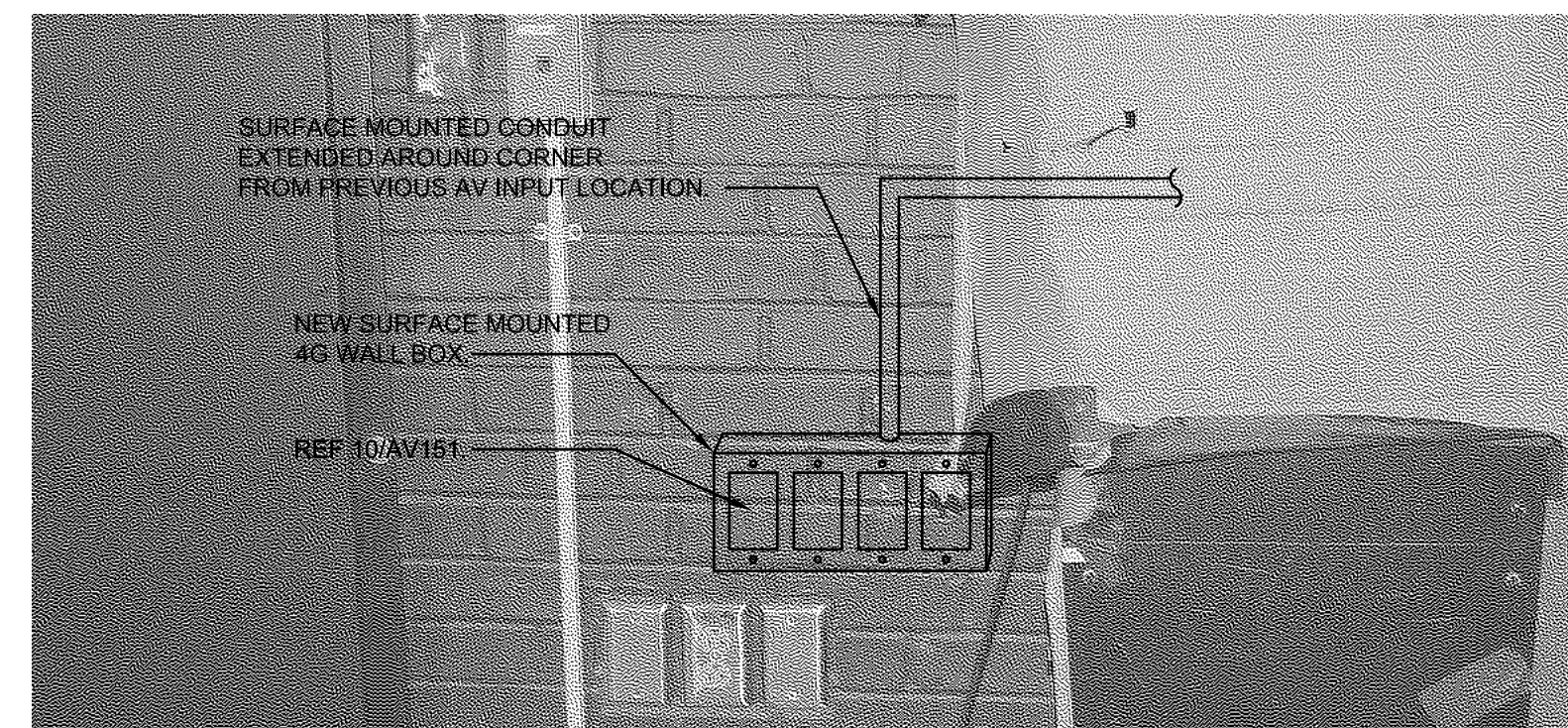


9 CONTROL COUNTER BOX CONNECTION PANEL.  
6" = 1'-0"

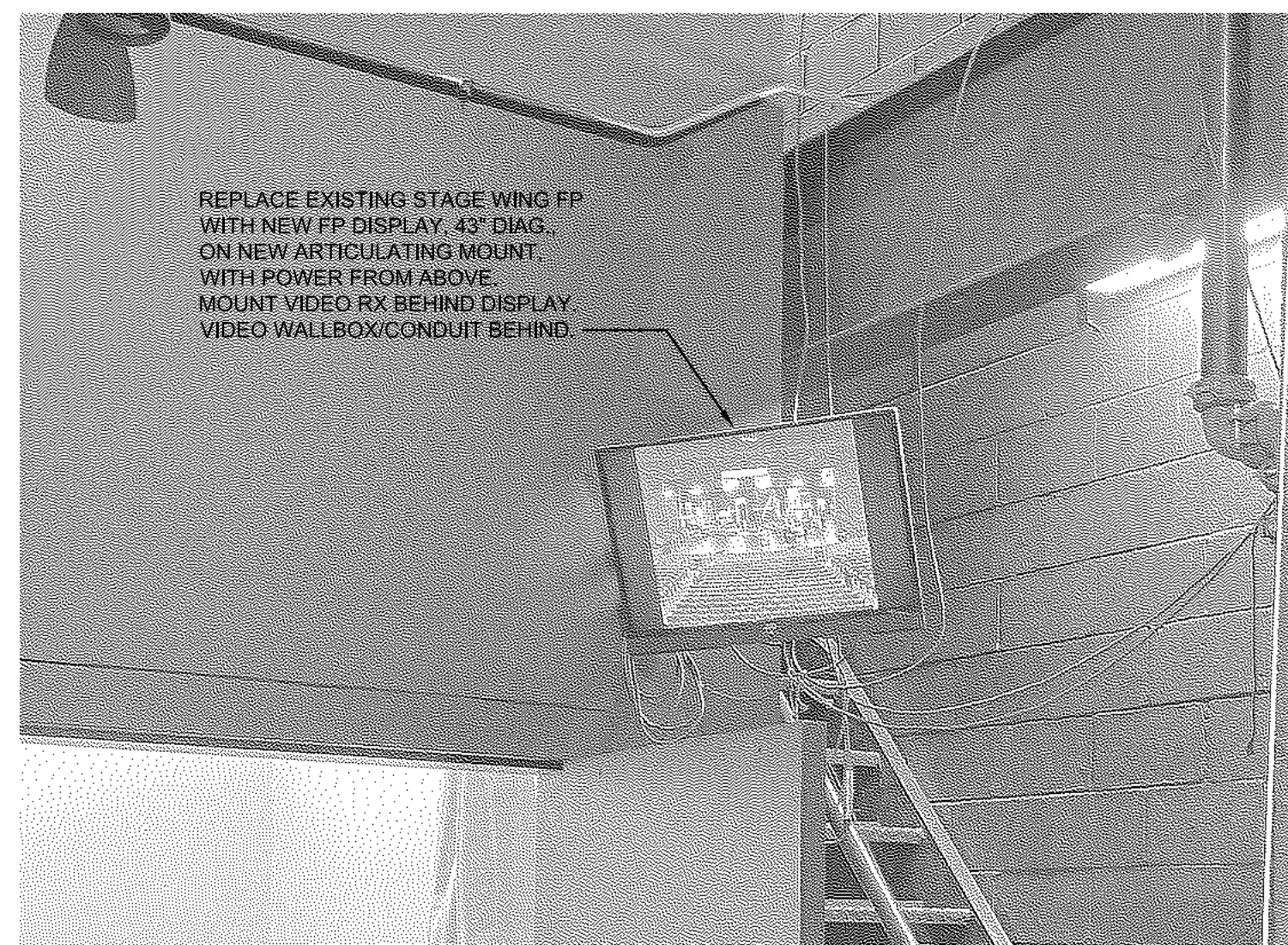
10 STAGE RIGHT WING CONNECTION PANEL.  
6" = 1'-0"



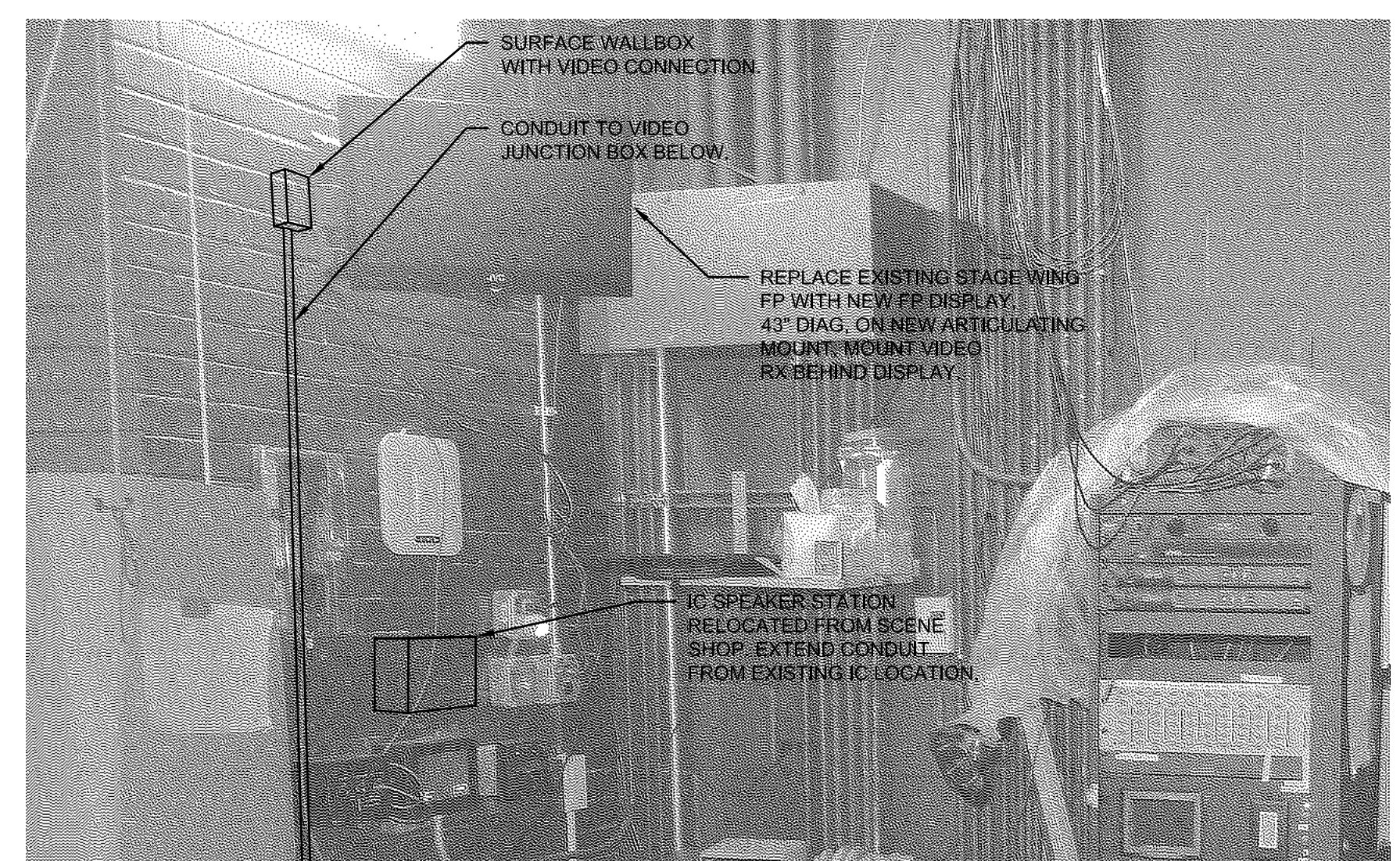
11 STAGEBOX CONNECTION PANEL, TYPICAL.  
6" = 1'-0"



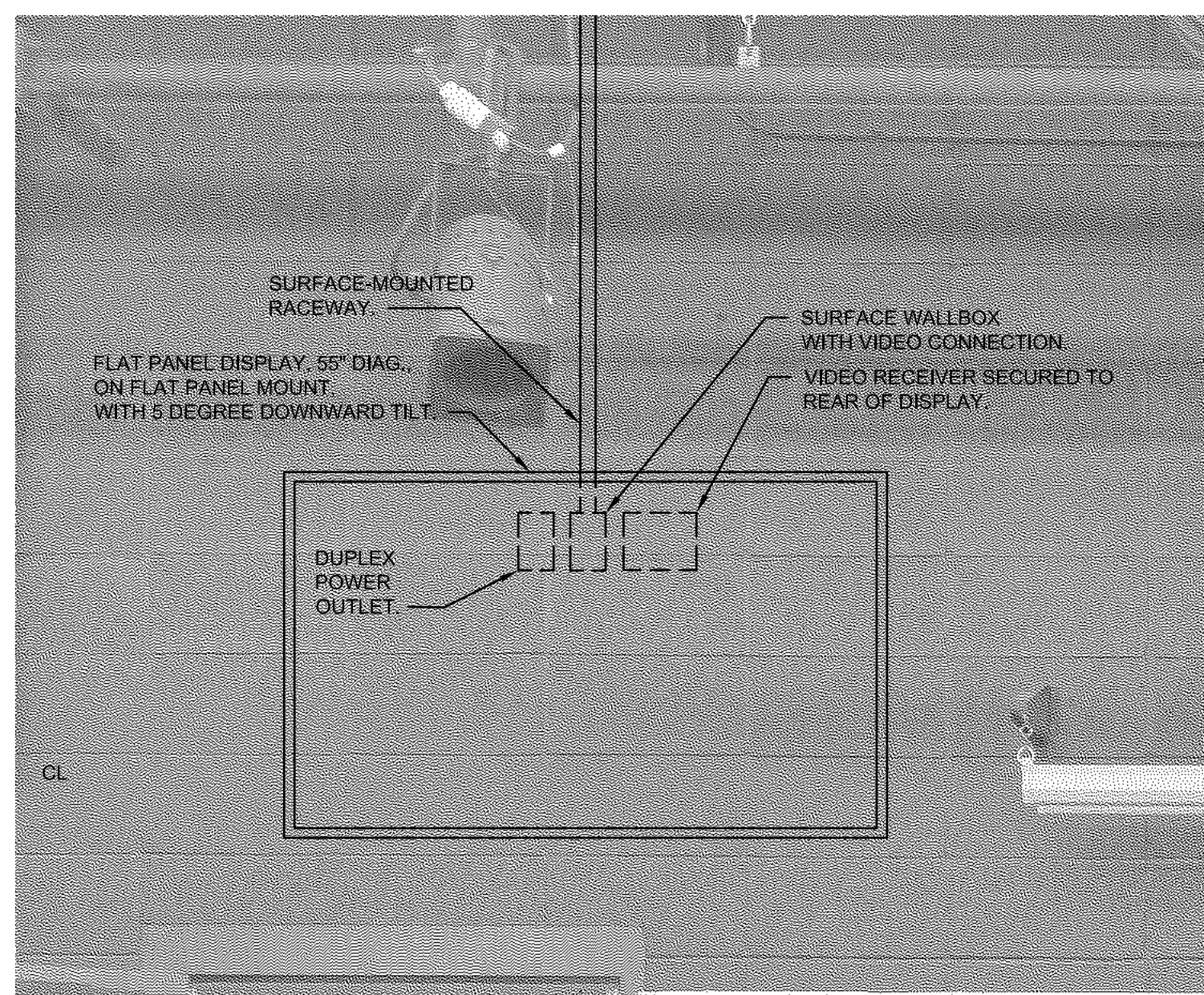
12 STAGE WING CONNECTION PANEL DETAIL  
Not to scale.



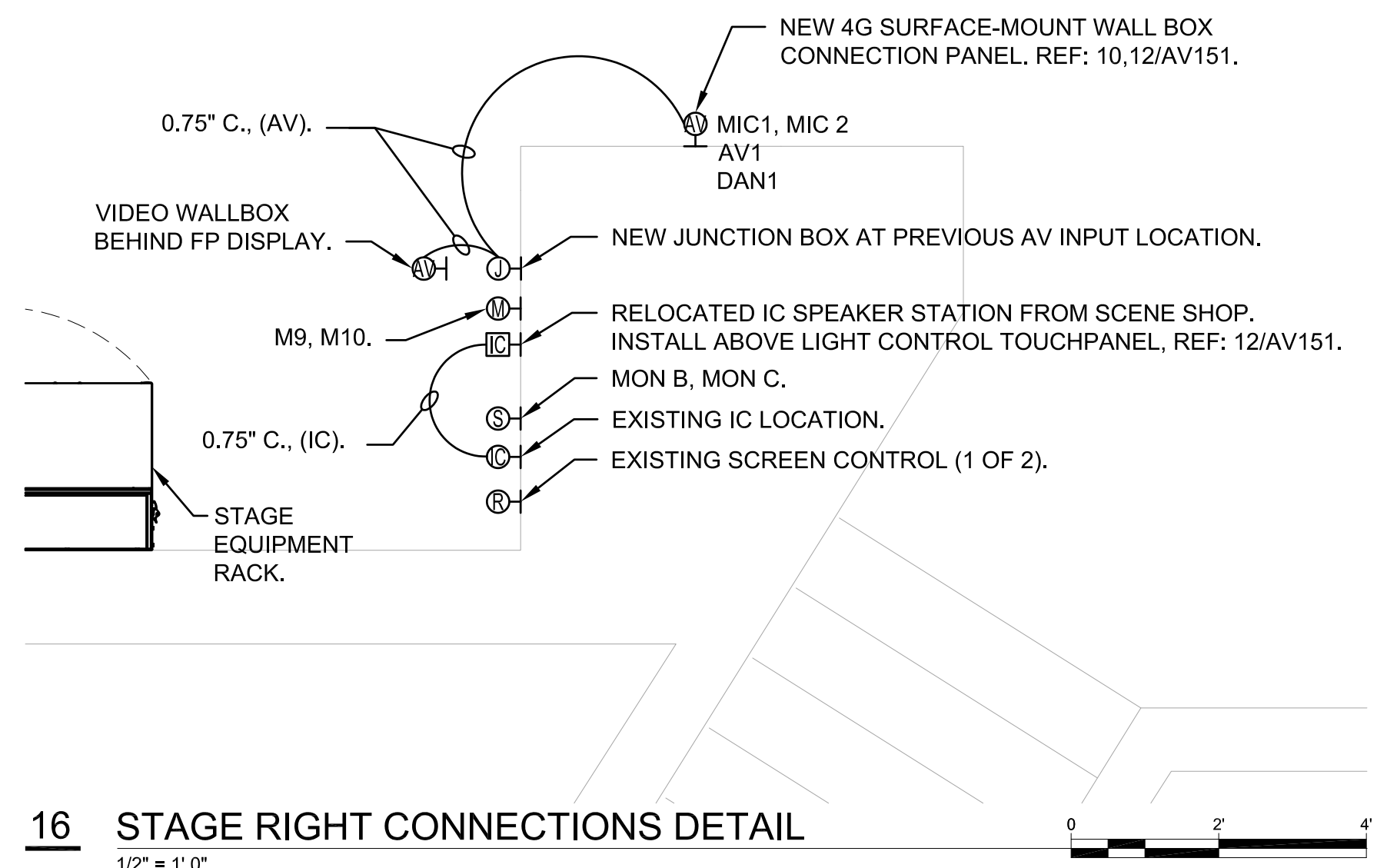
13 STAGE LEFT WING FLAT PANEL DETAIL.  
Not to scale.



14 STAGE RIGHT FLAT PANEL/IC SPEAKER DETAIL.  
Not to scale.



15 DRAMA ROOM FLAT PANEL DETAIL  
Not to scale.



16 STAGE RIGHT CONNECTIONS DETAIL  
1/2" = 1'-0"

BID DOCUMENTS

DATE:  
● 03/05/2021  
REVISED DATE:  
● ● ● ●

EAST AUDITORIUM

SHAWNEE MISSION USD  
AV UPGRADES 2021

SHEET CONTENTS:  
● RACK ELEVATIONS  
AND PLATE DETAILS

HTK PROJECT NUMBER:  
● 1707.05-004

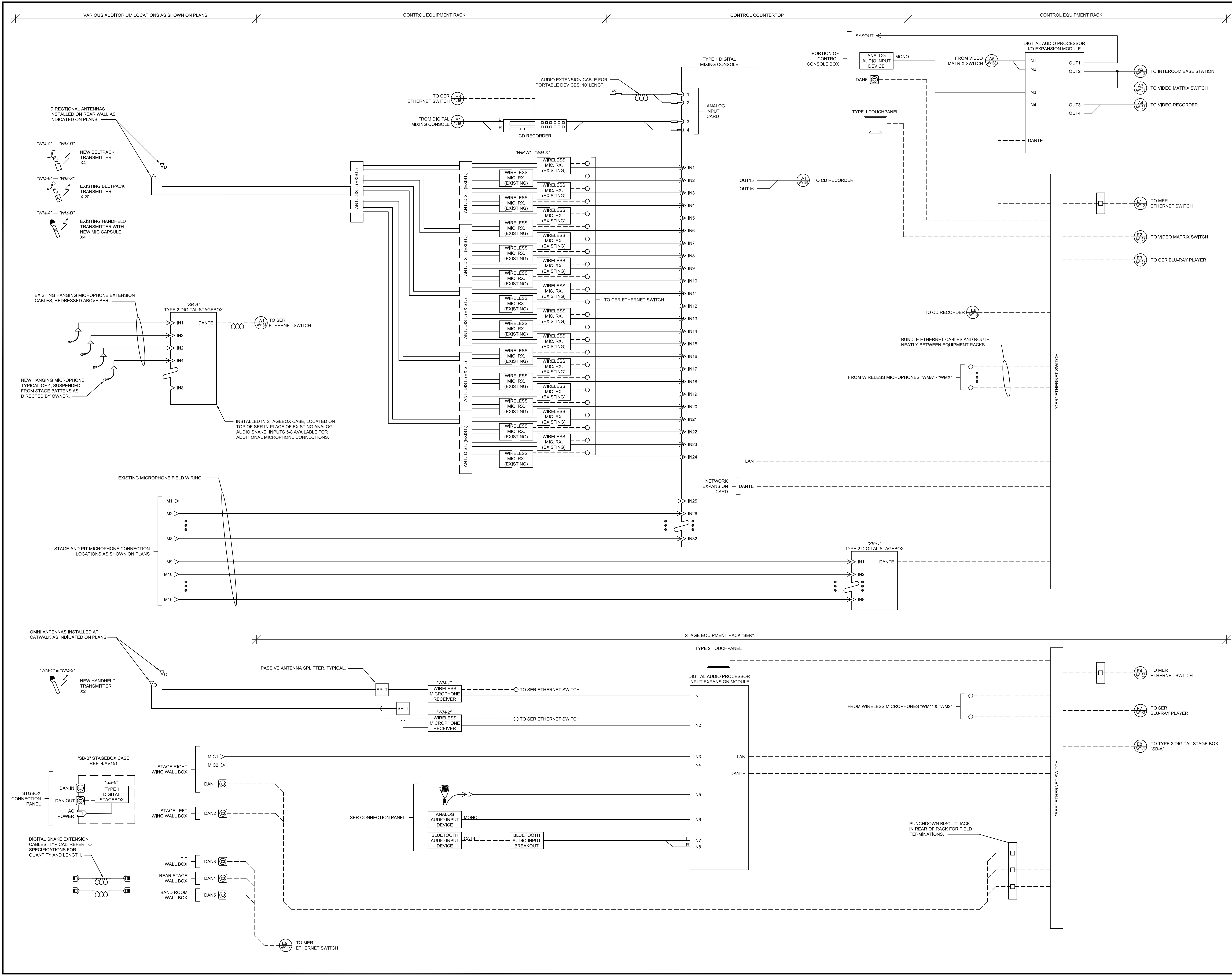
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AV151

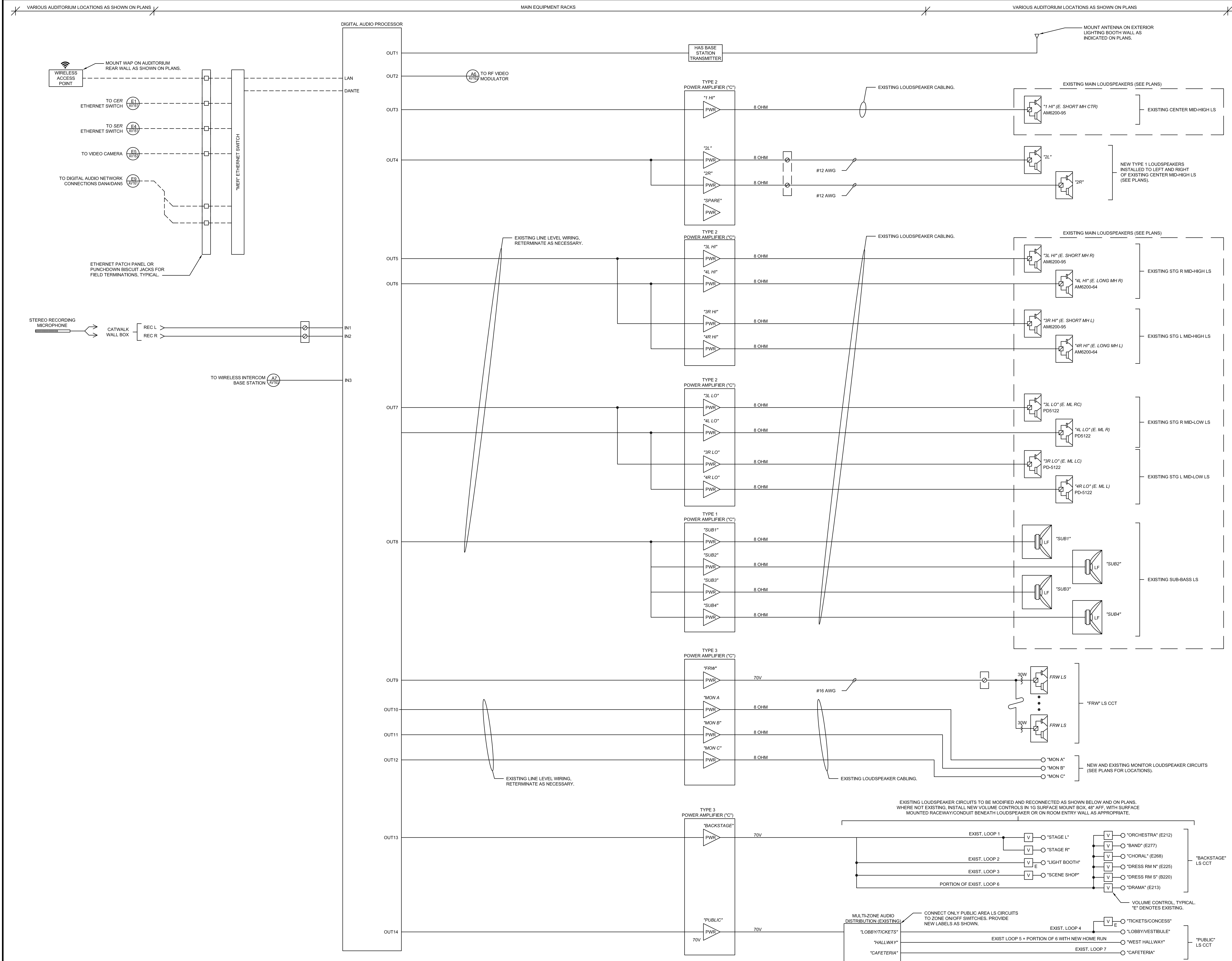
Shawnee Mission School District  
Indian Hills, MS, Northwest HS, East HS, West HS  
7500 Mission Rd, Prairie Village, KS 66208

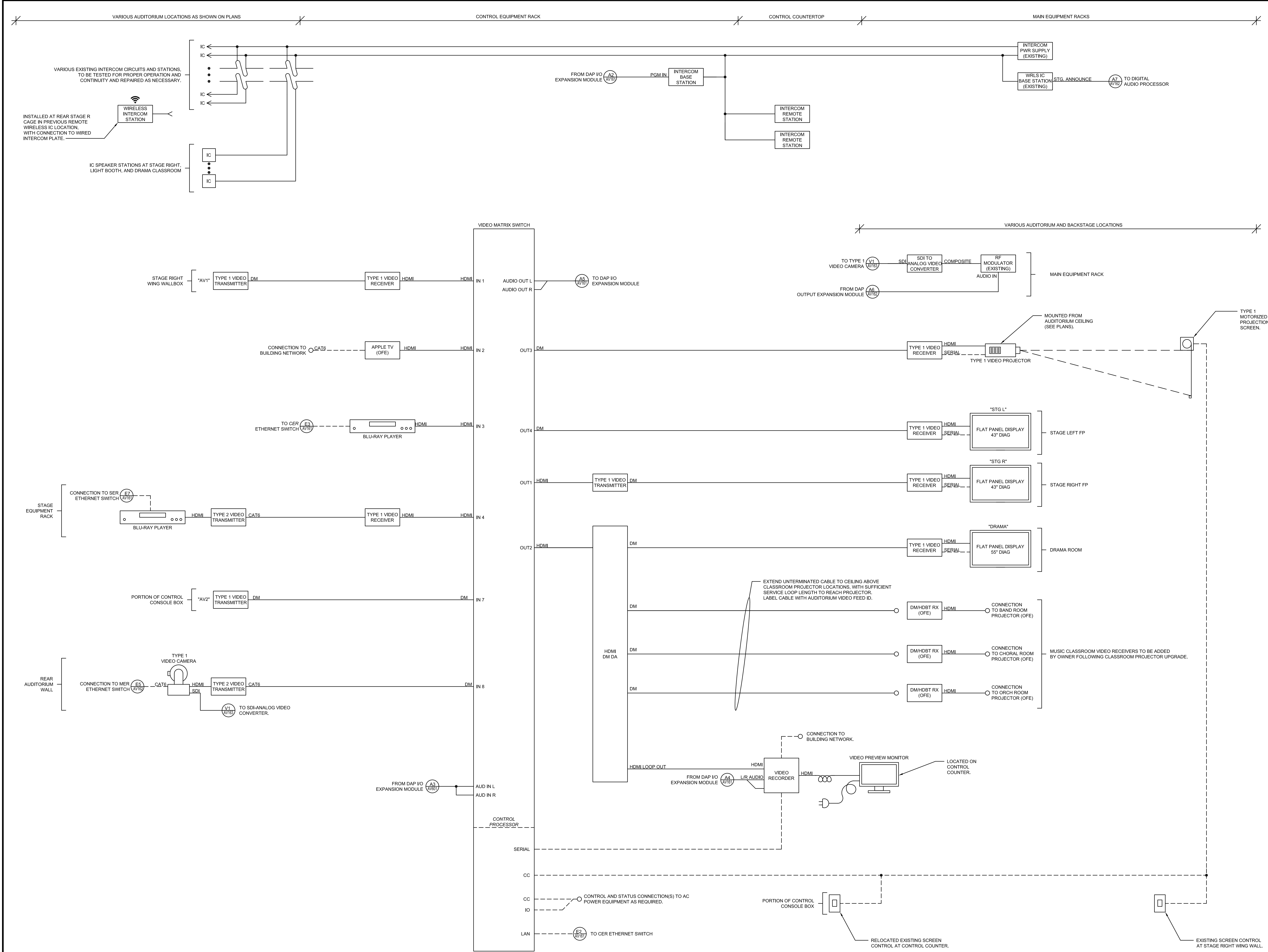


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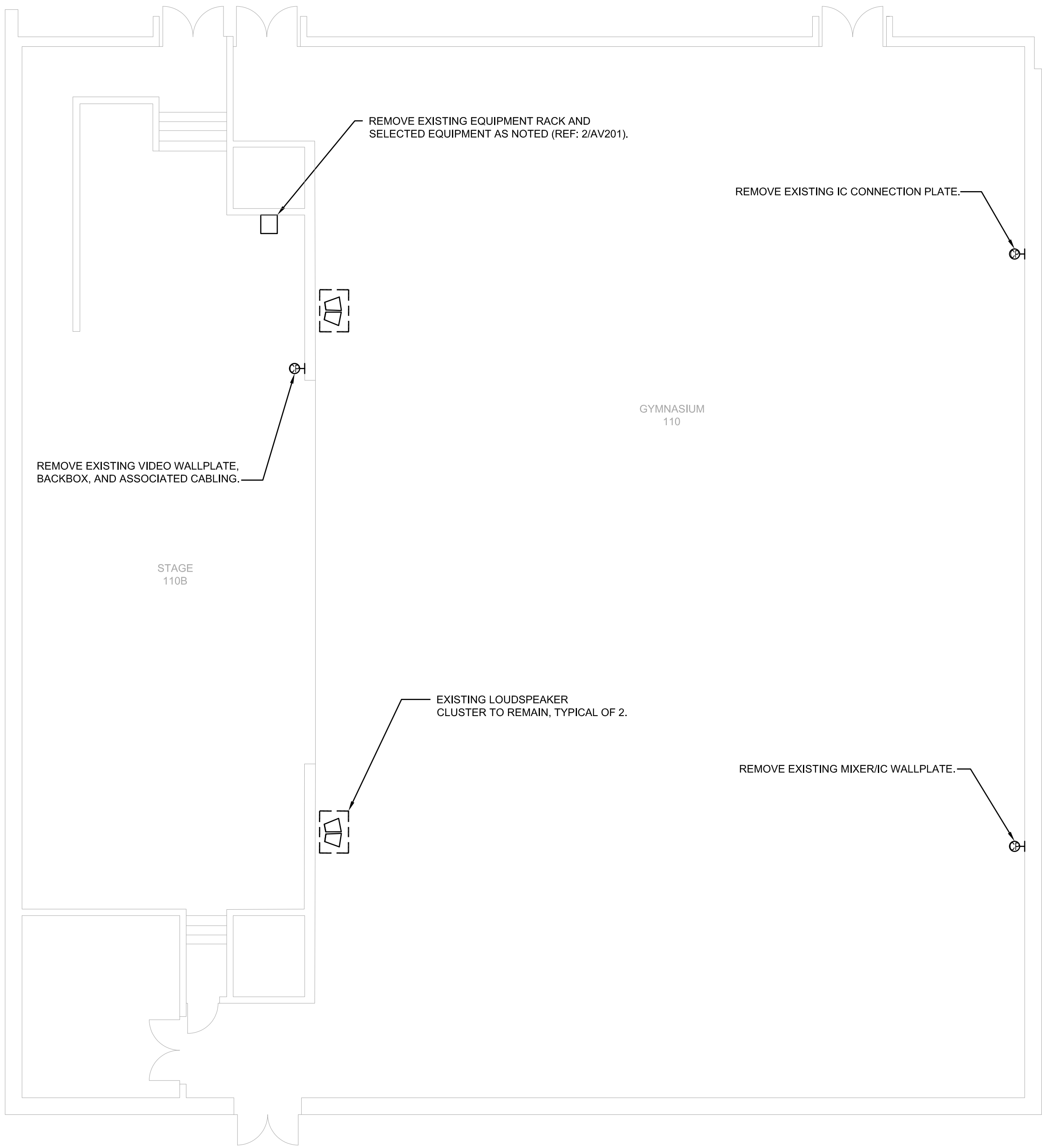






1 AUDIO-VISUAL SYSTEM DEMOLITION - COMPOSITE FLOOR & REFLECTED CEILING PLANS

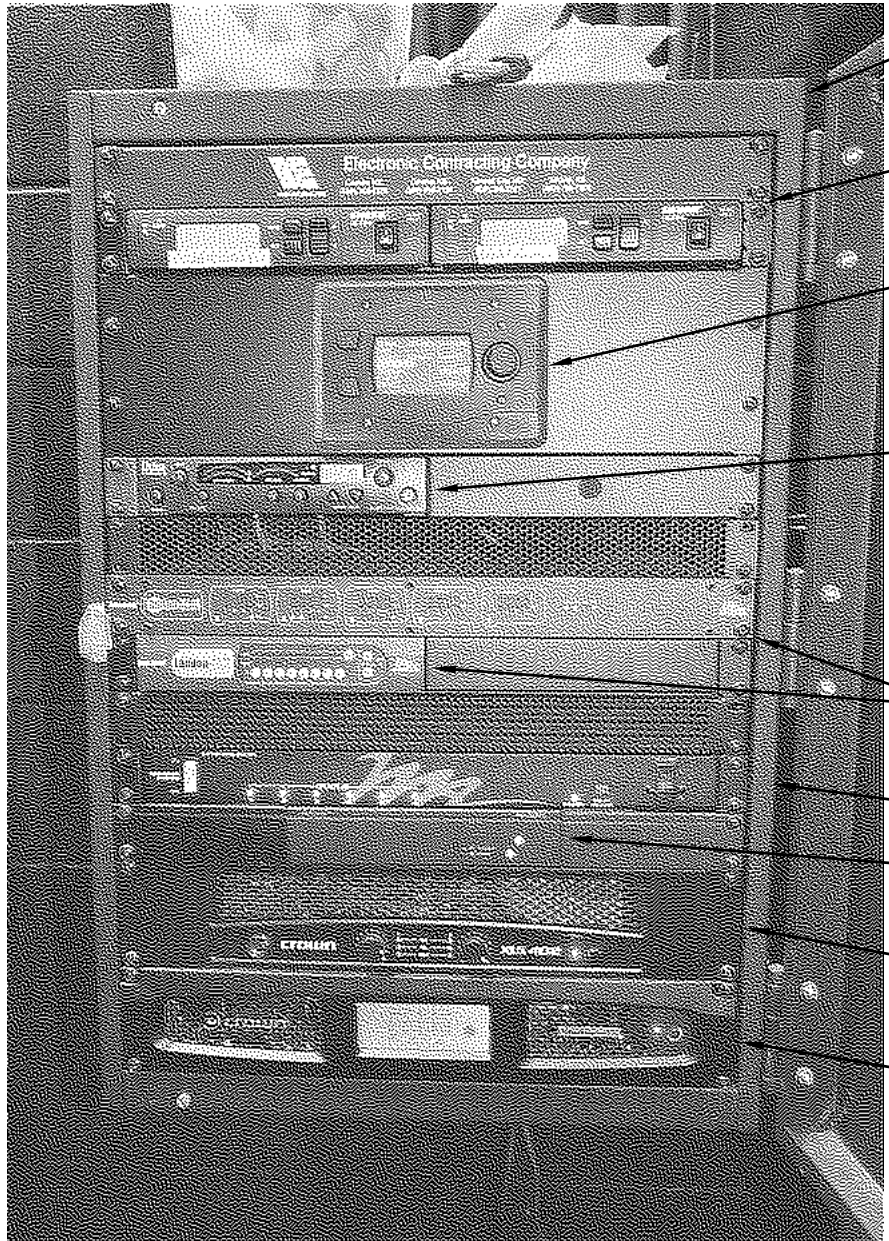
1/8" = 1'-0"



2 AV EQUIPMENT RACK DEMOLITION DETAIL

Not to scale

MICROPHONE, INTERCOM, AND LOUDSPEAKER FIELD WIRING TO REMAIN FOR RECONNECTION TO NEW SYSTEM AS NOTED ON ONE-LINE DIAGRAMS. REMOVE ANY UNUSED INTERNAL RACK WIRING.  
EXISTING WALL-MOUNTED SCREEN CONTROL NEAR RACK TO REMAIN.

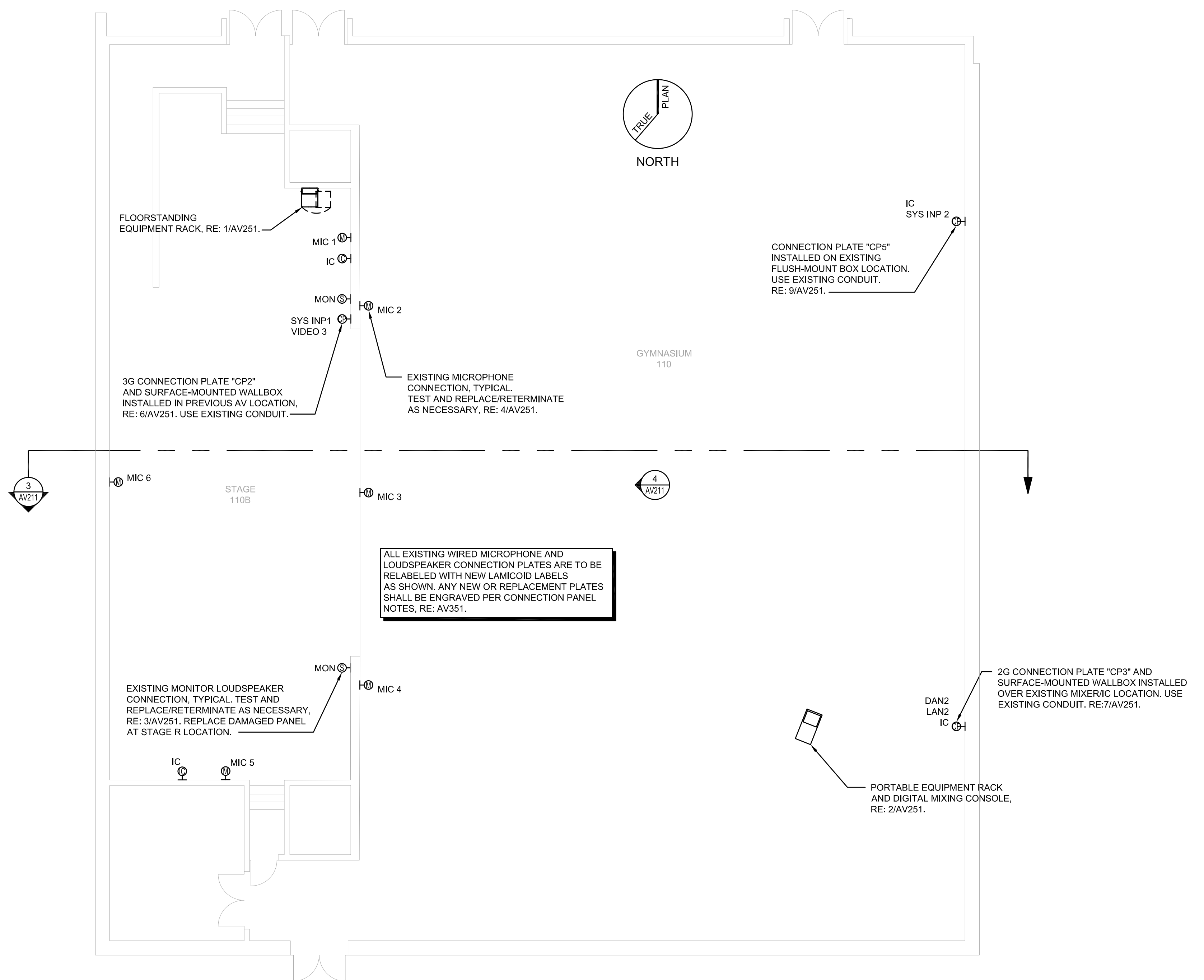


GENERAL DEMOLITION NOTES

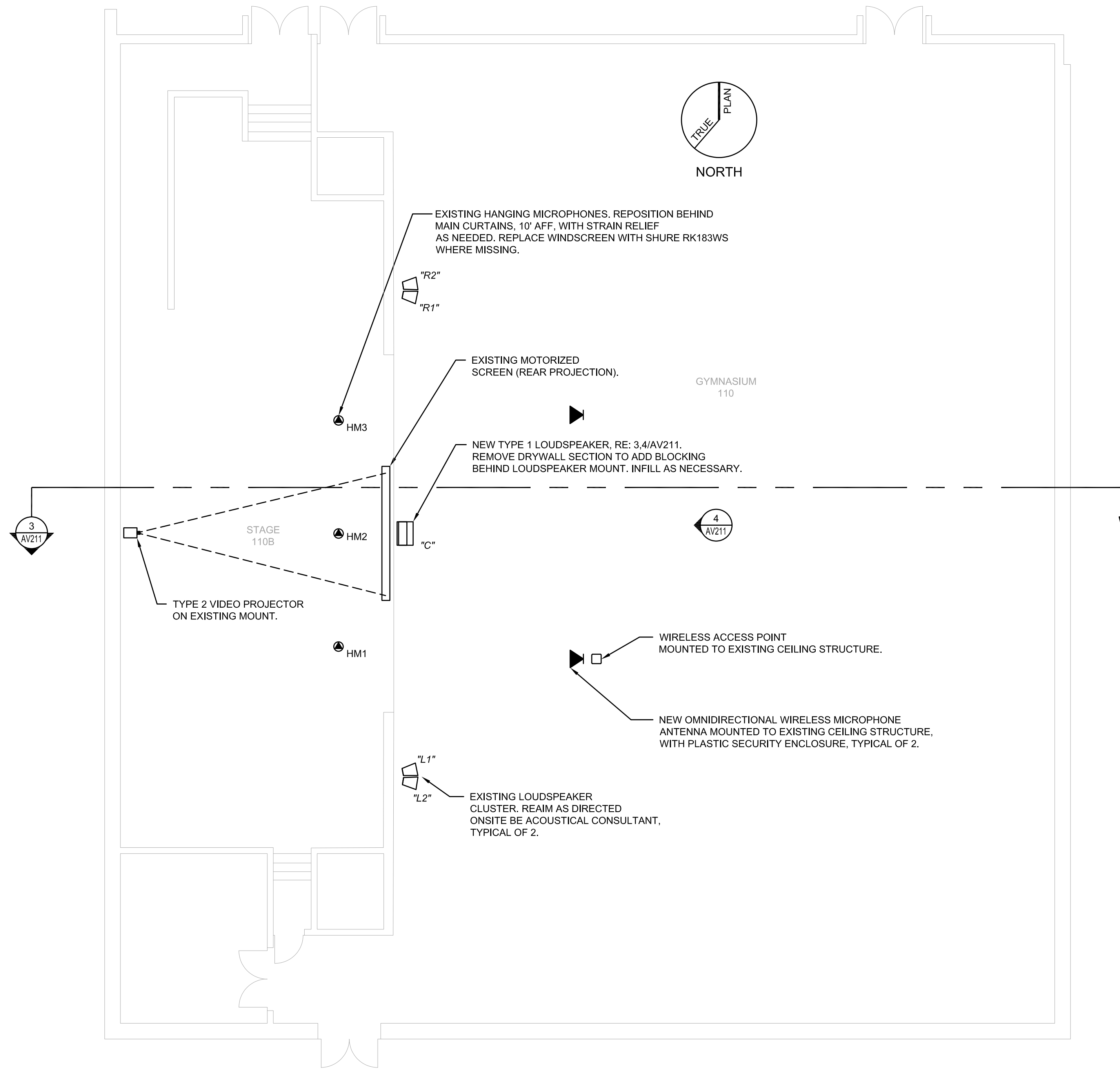
1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.

G:\COC0088 SHAWNEE MISSION SCHOOLS PHASE 1\DWGS\AVANT FILES\HMS\CO088 AV211.DWG

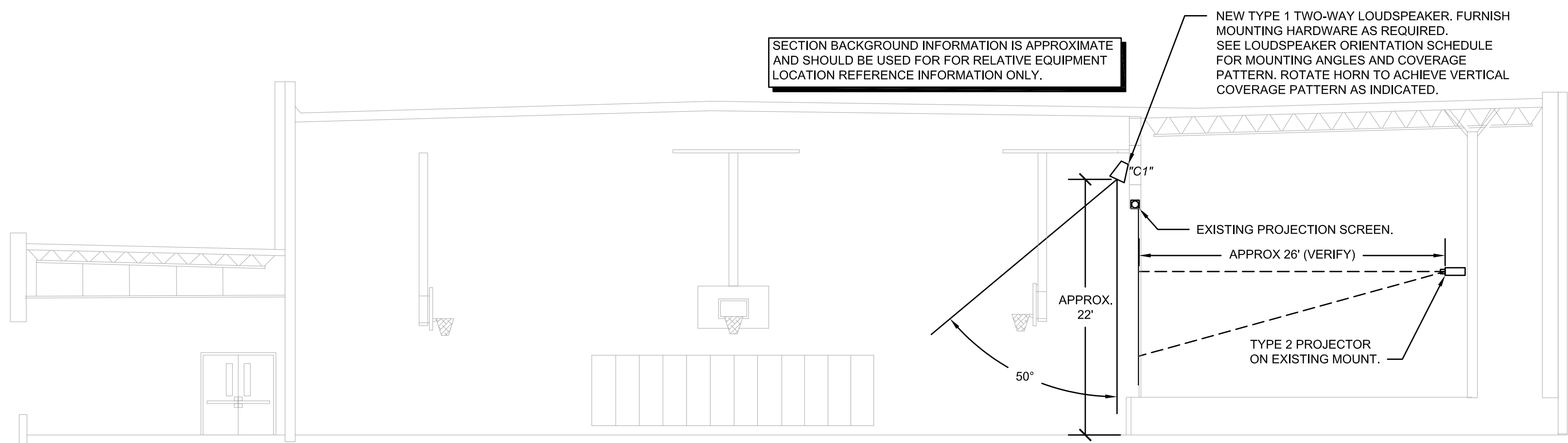
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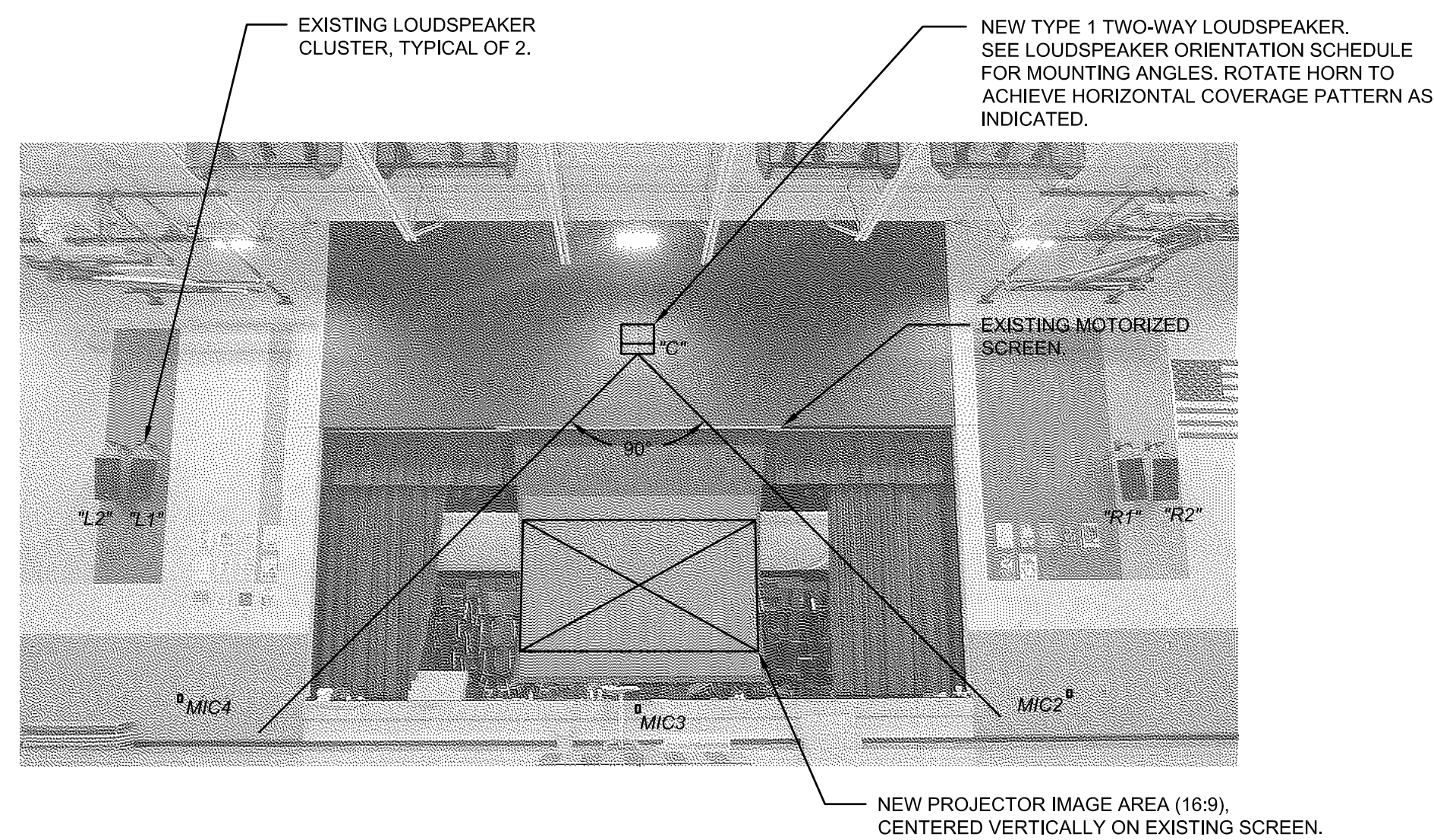
1 AUDIO-VISUAL SYSTEM - FIRST FLOOR AND STAGE PLAN  
1/8" = 1'-0"



2 AUDIO-VISUAL SYSTEM - REFLECTED CEILING PLAN  
1/8" = 1'-0"



3 STAGE AND GYMNASIUM SECTION  
1/8" = 1'-0"



4 GYMNASIUM ELEVATION FACING STAGE  
Not to scale

#### GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.
4. NON-RACK-MOUNTED EQUIPMENT AND COMPONENTS TO BE REUSED SHOULD BE STORED IN LOCATION DESIGNATED BY OWNER.

#### BID DOCUMENTS

DATE:  
● 03/05/2021  
REVISED DATE:  
● ● ● ● ●

## INDIAN HILLS GYMNASIUM

## SHAWNEE MISSION USD AV UPGRADES 2021

Indian Hills, MS, Northwest HS, East HS, West HS  
Shawnee Mission School District  
6400 Mission Rd, Prairie Village, KS 66208

SHEET CONTENTS:  
● PLANS AND SECTIONS

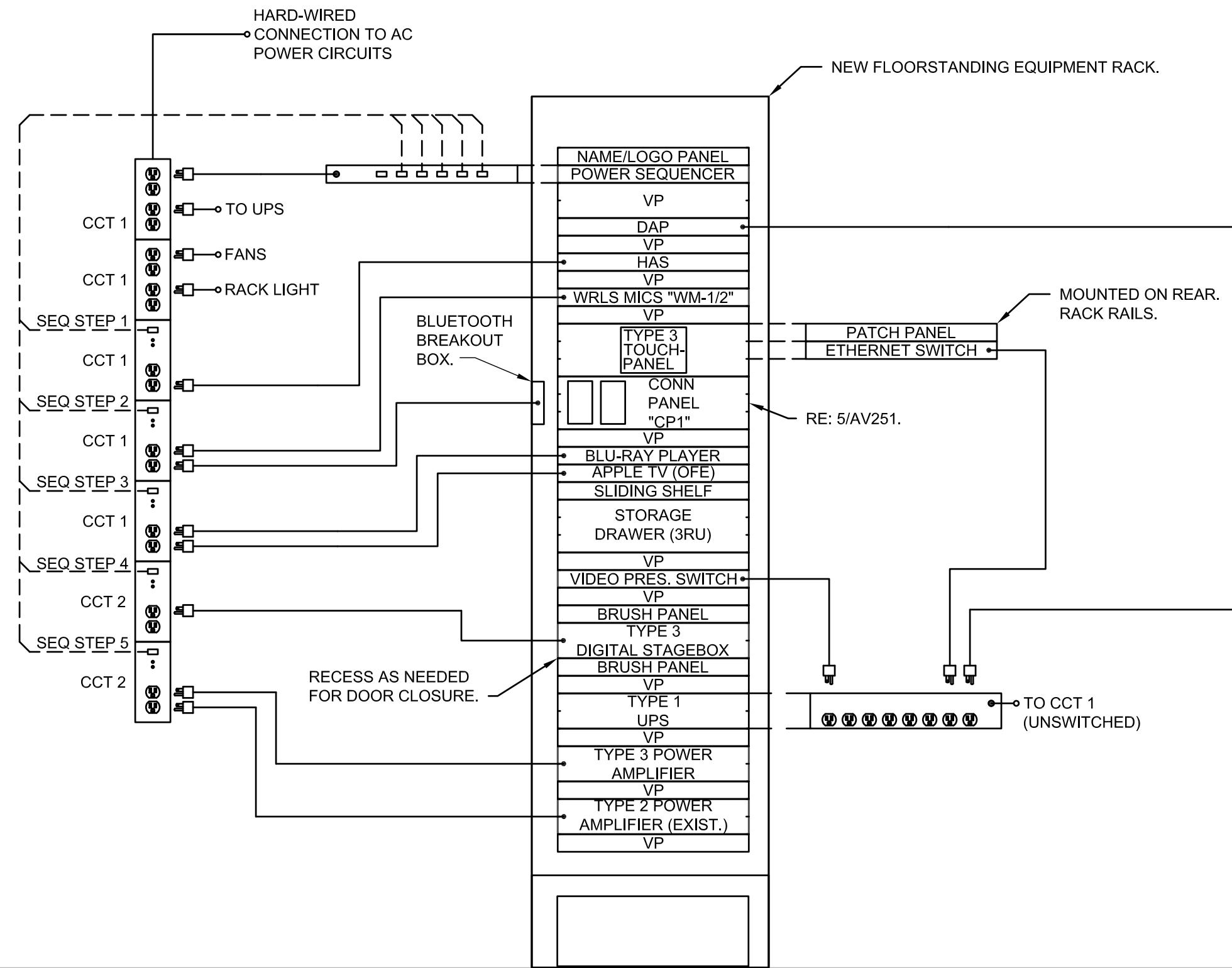
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● 1707.05-004

SHEET NUMBER:

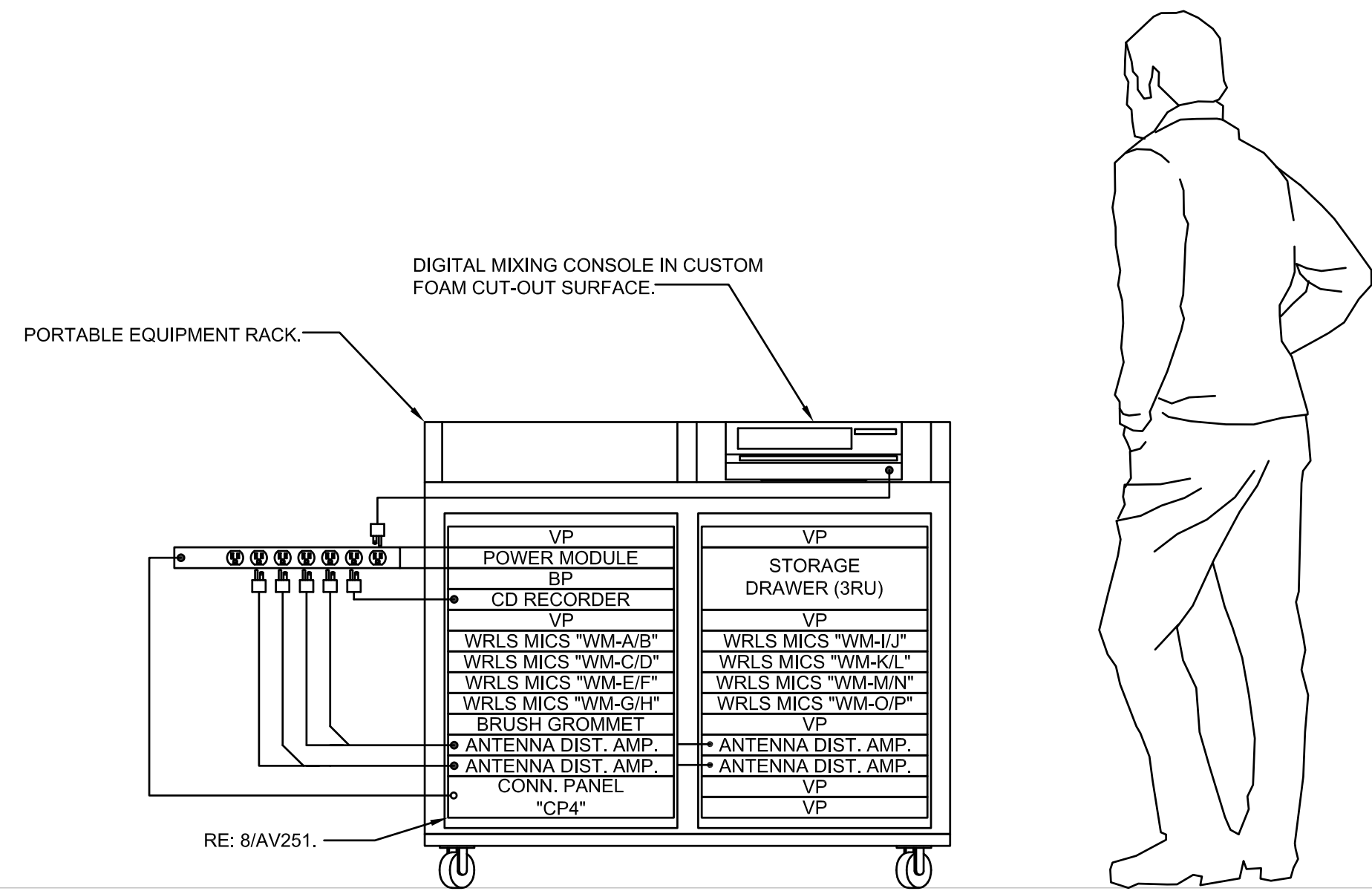
AV211



3/5/2021 4:01:20 PM G:\COC0088 SHAWNEE MISSION SCHOOLS PHASE I\DWGS\AVANT FILES\HMS\CD088 AV251.DWG



1 MAIN EQUIPMENT RACK ("MER") ELEVATION  
1" = 1'-0"



2 PORTABLE EQUIPMENT RACK ("PER") ELEVATION  
1" = 1'-0"

## LOUDSPEAKER ORIENTATION SCHEDULE

LOUDSPEAKER DESIGNATOR	COVERAGE PATTERN HOR. X VERT.	ROLL ROTATION (DEGREES)	HORIZONTAL ROTATION (DEGREES)	VERTICAL TILT-DOWN (DEGREES)
"C"	90 X 50	90 CW	0	65

### TO ORIENT LOUDSPEAKERS

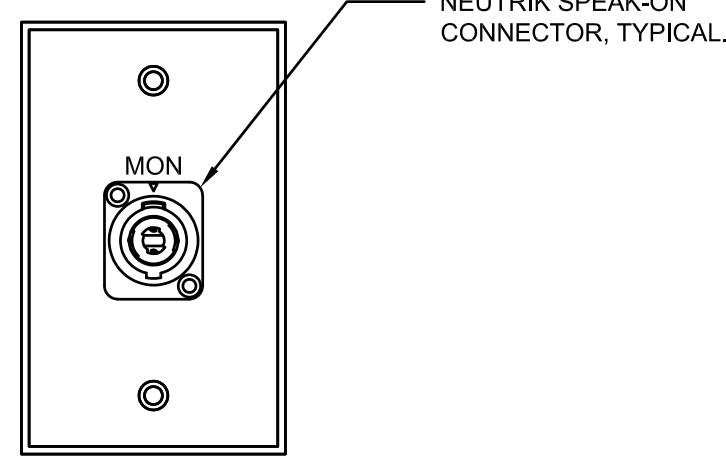
- VIEW ALL LOUDSPEAKERS FROM THE REAR.
- ROLL LOUDSPEAKER TO SCHEDULED ANGLE CLOCKWISE (CW) OR COUNTERCLOCKWISE (CCW).
- ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE.
- ROTATE HORN/WAVEGUIDE AS NECESSARY TO PROVIDE ABOVE INDICATED COVERAGE ANGLE.
- TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL.
- PLAN EAST EQUALS 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS (PARALLEL TO CENTER LINE OF ROOM)

### EXISTING CONNECTION PANEL NOTES

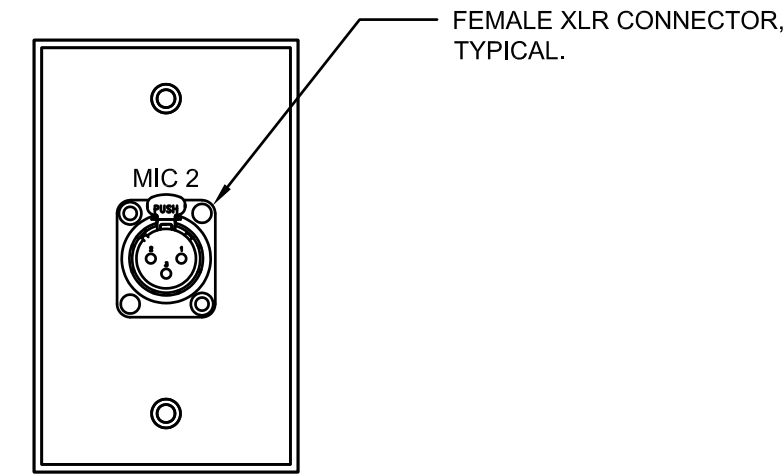
- REPLACE ALL EXISTING MICROPHONE, INTERCOM, AND MONITOR LOUDSPEAKER CONNECTION PLATES WHICH ARE DAMAGED OR UNLABELED WITH NEW LABELED CONNECTION PLATES WHICH MEET SPECIFICATION REQUIREMENTS.

### GENERAL CONNECTION PANEL NOTES

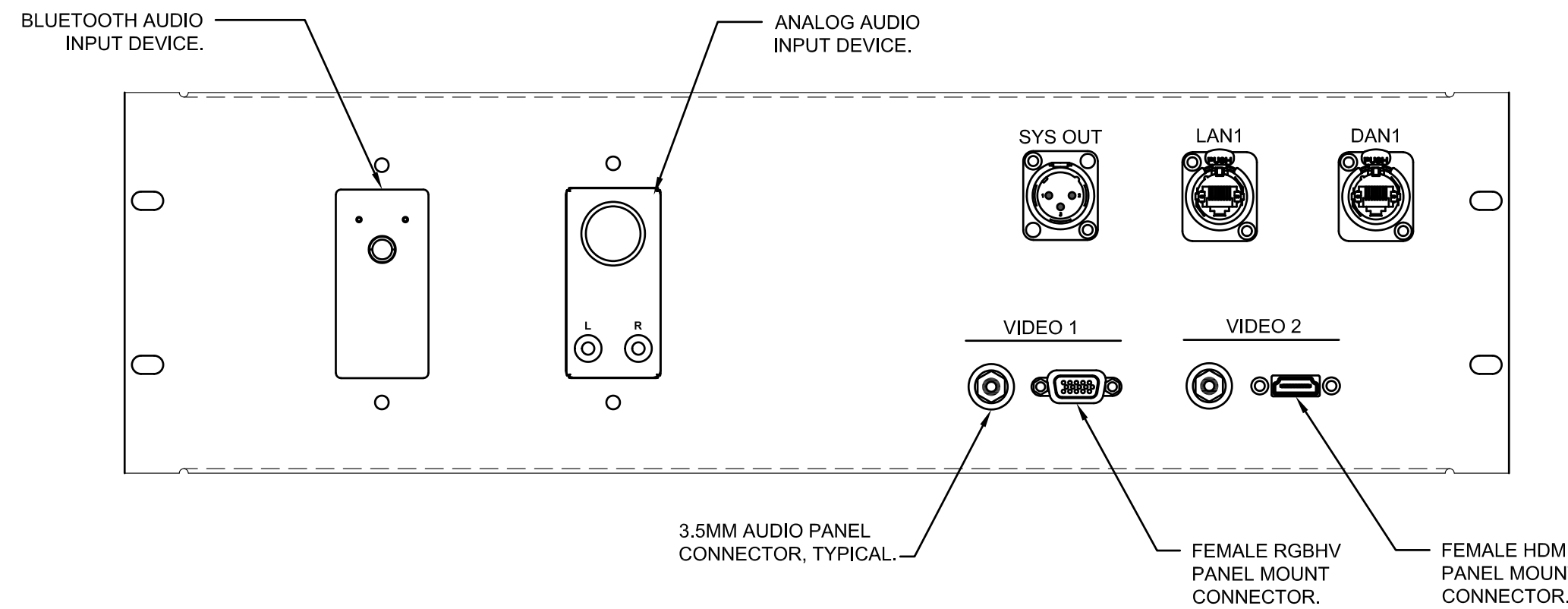
- UNLESS NOTED OTHERWISE, STANDARD GANG CONNECTION PANELS SHALL BE SIERRA STAINLESS STEEL WALL PLATES, OR COLOR AS SELECTED BY ARCHITECT.
- ALL CONNECTION PANELS SHALL HAVE COUNTERSUNK SCREW HOLES AND PHILLIPS COUNTERSUNK OR OVAL-HEAD SCREWS FINISHED TO MATCH PANEL. ALL LETTERING SHALL BE ENGRAVED AND FILLED DIRECTLY ON THE PANEL, REGARDLESS OF PANEL COLOR. ALL PANEL MOUNTED CONNECTORS SHOULD MATCH THE FINISH COLOR OF THE PANEL WHEREVER POSSIBLE.
- ALL STANDARD SIZED RACK PANELS USED TO MOUNT CONTROLS OR CONNECTORS SHALL HAVE FORMED EDGES, WITH ALL LETTERING ENGRAVED AND FILLED DIRECTLY ON THE PANEL.
- VERIFY ALL DIMENSIONS AND SPACING FOR PANEL-MOUNTED COMPONENTS AND ENGRAVING. UNLESS NOTED OTHERWISE, ENGRAVED TEXT SHALL BE 3/16-INCH HIGH, SPACING BETWEEN PANEL-MOUNTED COMPONENTS SHALL BE SUFFICIENT TO ENABLE FRONT CABLE CONNECTIONS TO BE MADE EASILY.
- CONNECTION PANEL LAYOUTS SHALL BE ACCORDING TO FUNCTION WITH ALL CONNECTIONS OF ONE TYPE LOCATED TOGETHER. LABELS SHALL BE LOCATED ABOVE THE CORRESPONDING CONNECTOR OR COMPONENT.
- SUBMIT A SHOP DRAWING FOR EACH CONNECTION PANEL WITH ALL CONNECTIONS, DEVICES, LABELS, COLORS AND SIZES CLEARLY INDICATED.



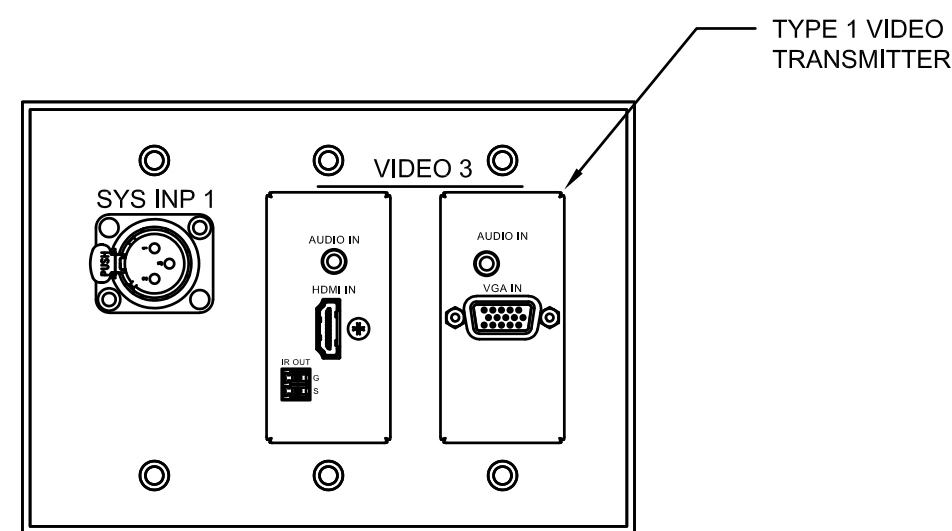
3 MONITOR LOUDSPEAKER CONNECTION PLATE DETAIL, TYPICAL  
6" = 1'-0"



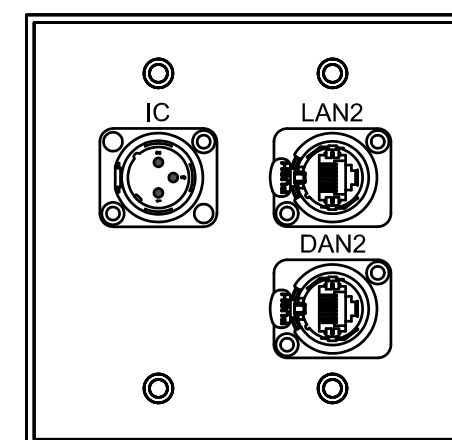
4 MICROPHONE CONNECTION PLATE DETAIL, TYPICAL  
6" = 1'-0"



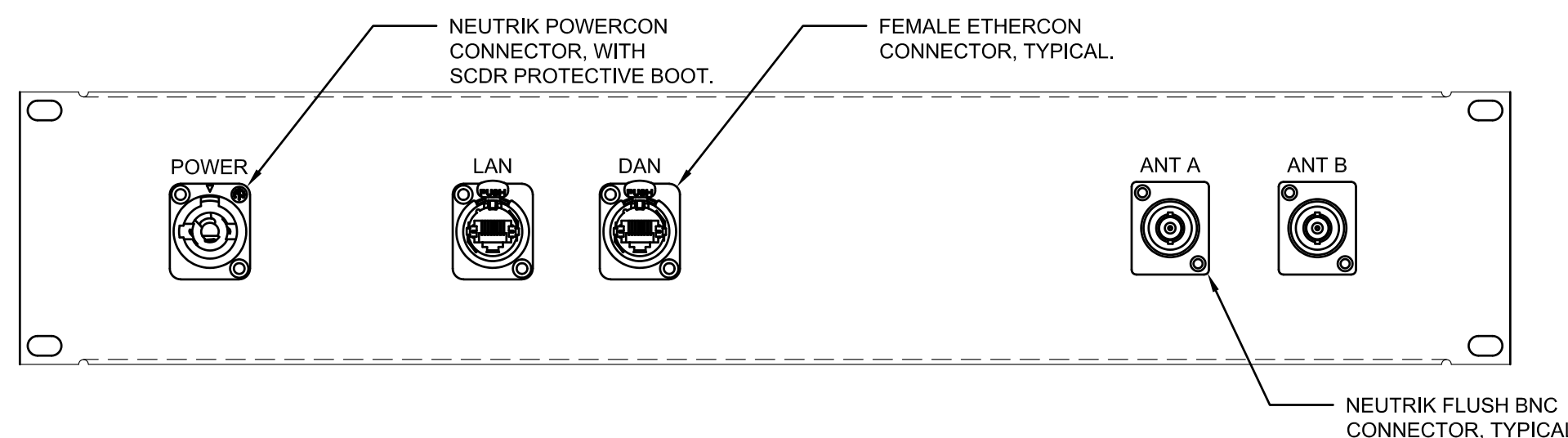
5 MER CONNECTION PANEL DETAIL "CP1"  
6" = 1'-0"



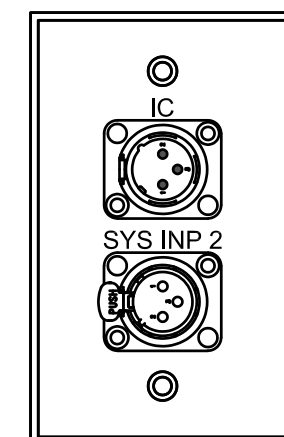
6 STAGE LEFT WING CONNECTION PLATE "CP2" DETAIL  
6" = 1'-0"



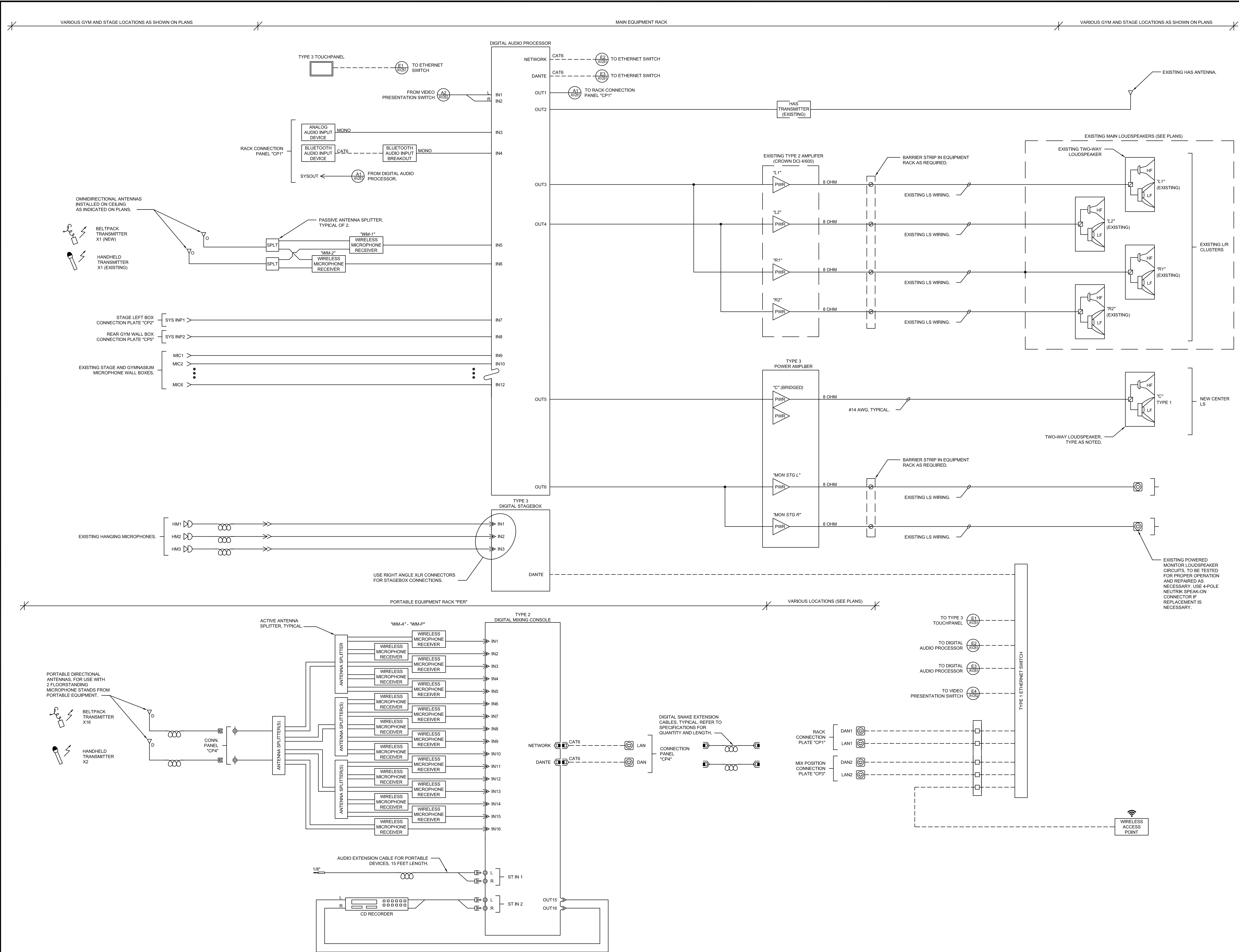
7 MIXING POSITION CONNECTION PLATE "CP3" DETAIL  
6" = 1'-0"



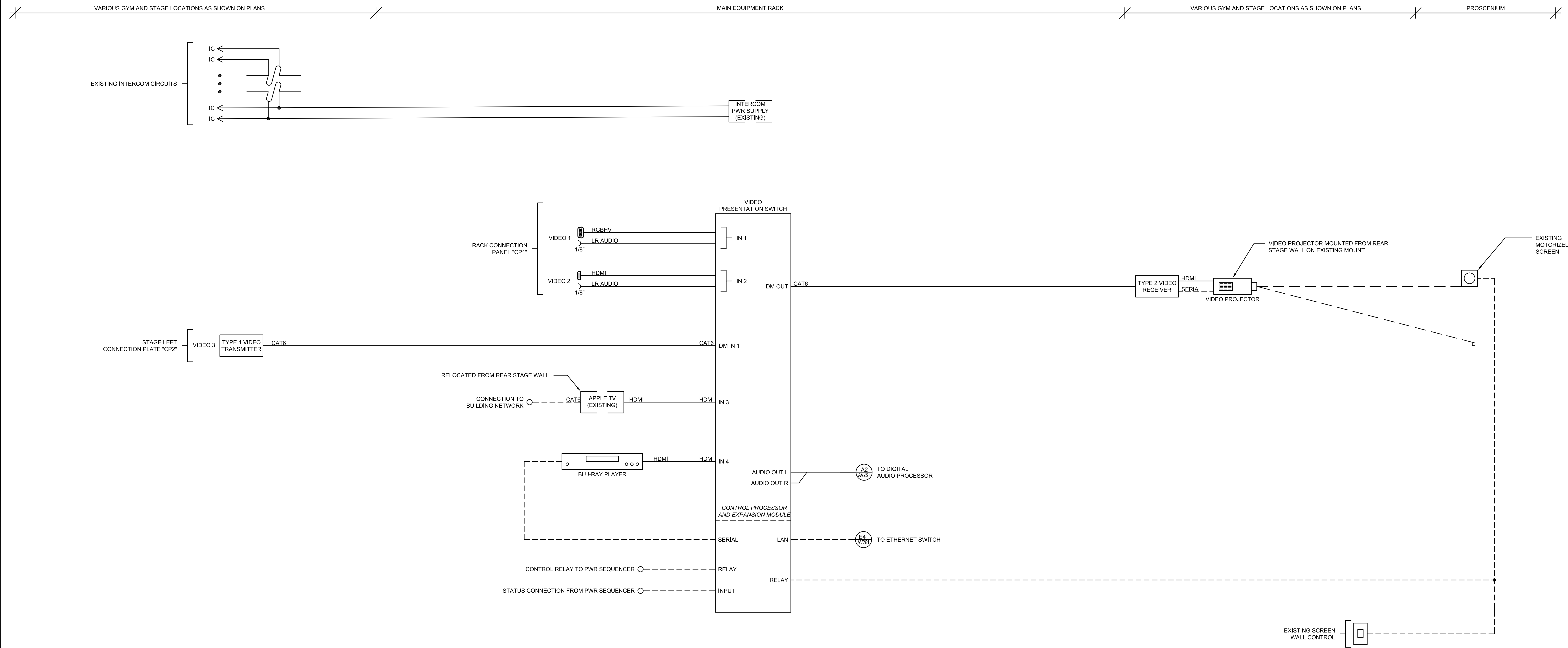
8 PORTABLE EQUIPMENT RACK CONNECTION PANEL DETAIL "CP4"  
6" = 1'-0"



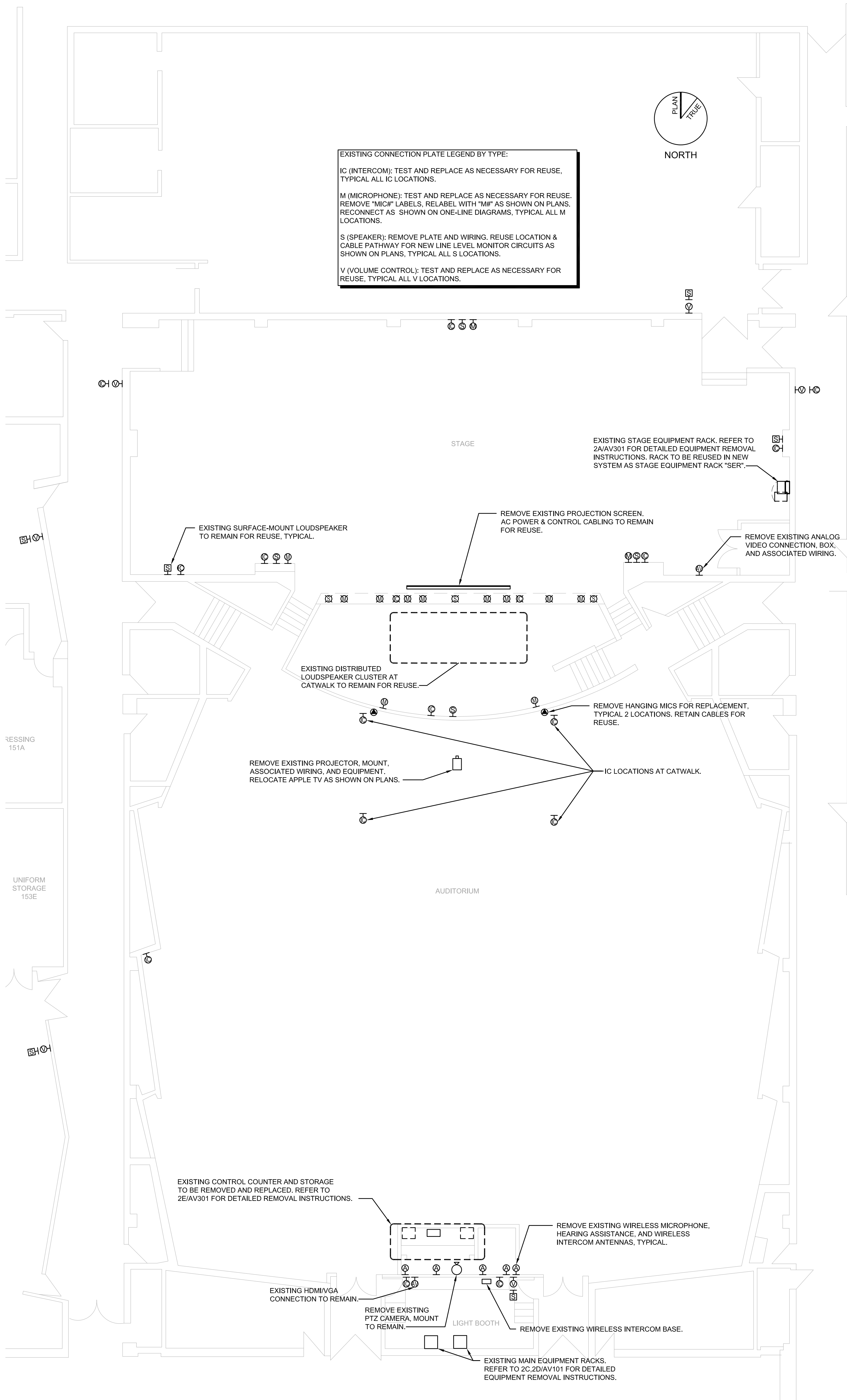
9 REAR GYM WALL CONNECTION PLATE "CP5" DETAIL  
6" = 1'-0"



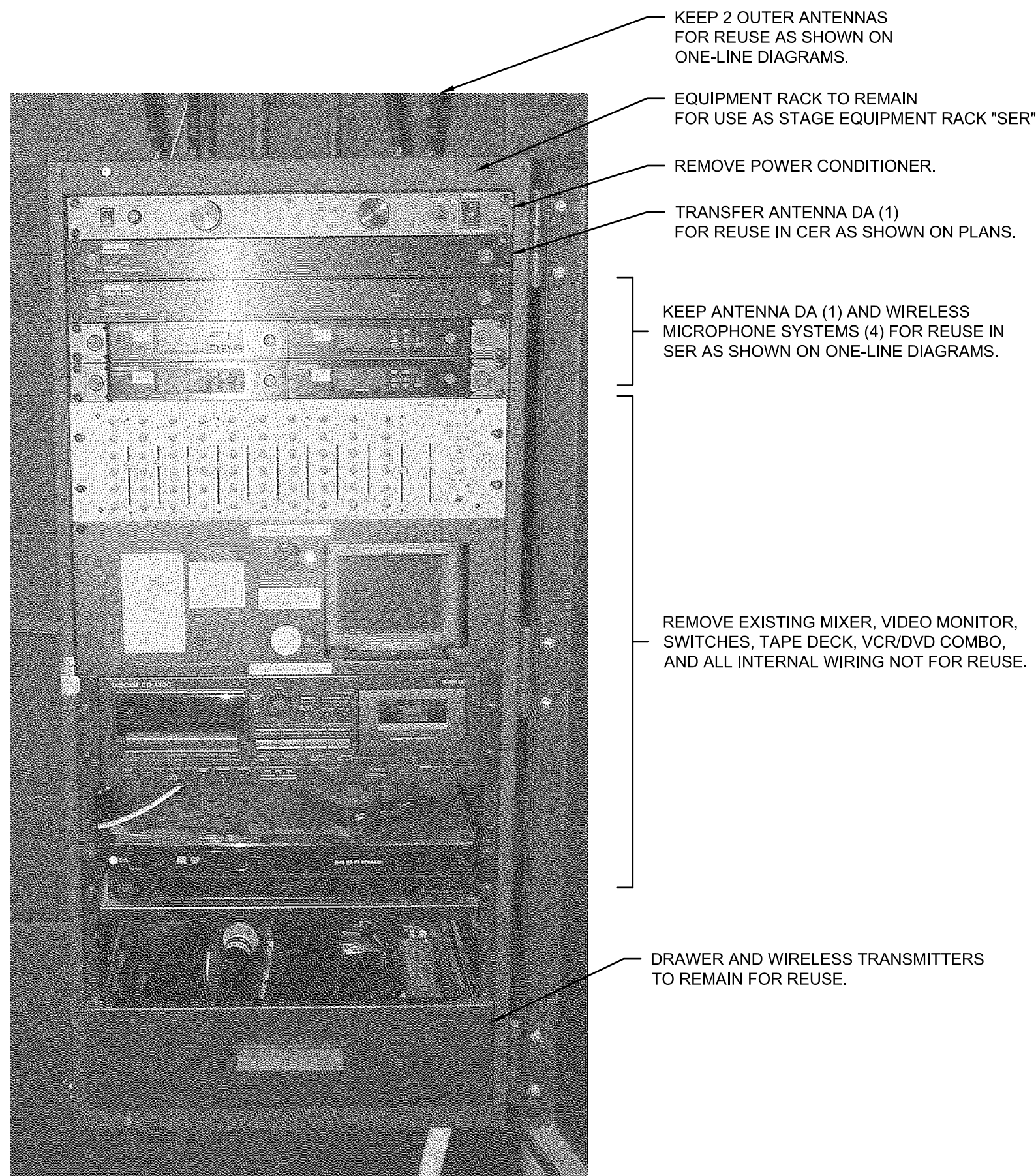




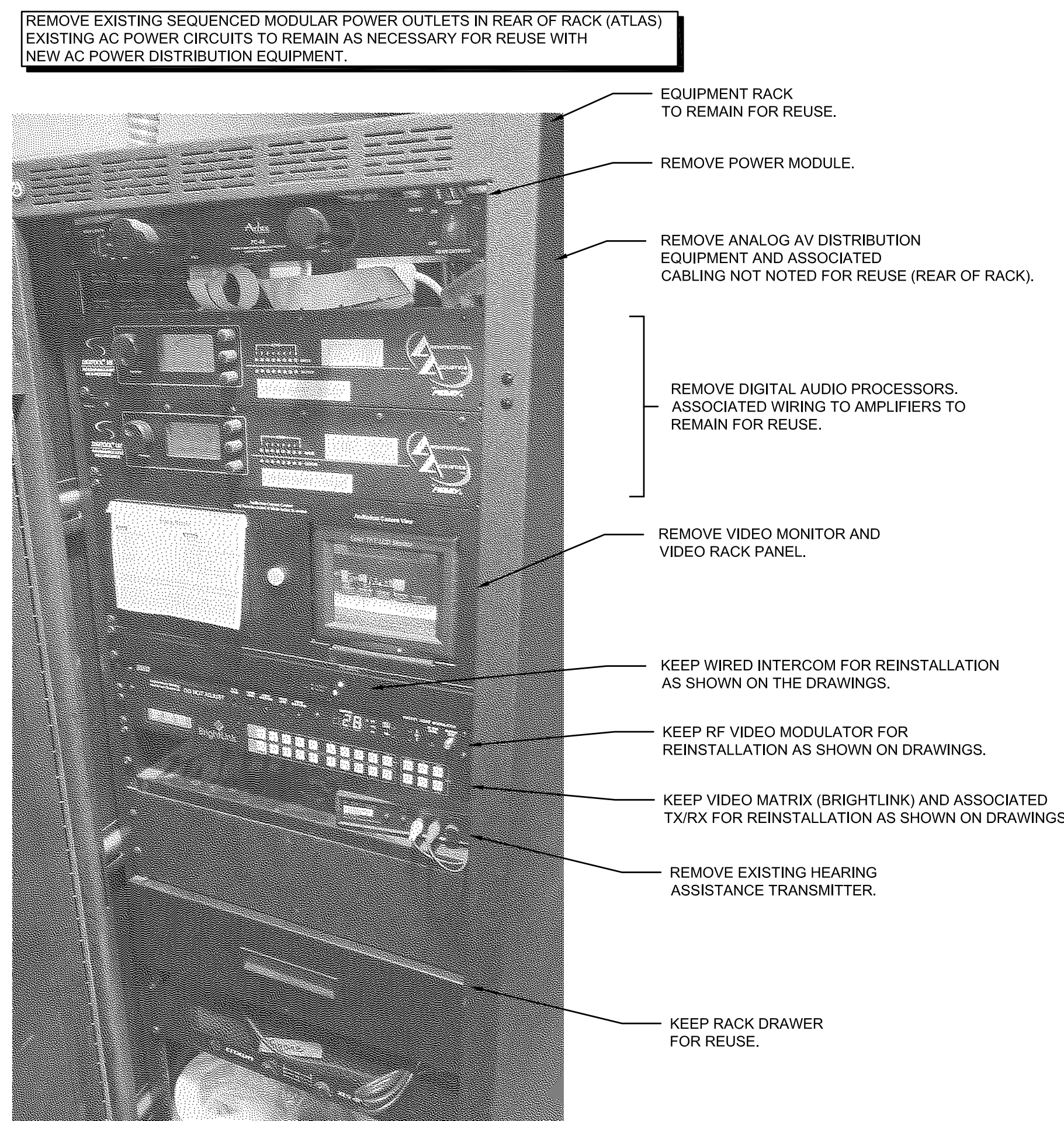




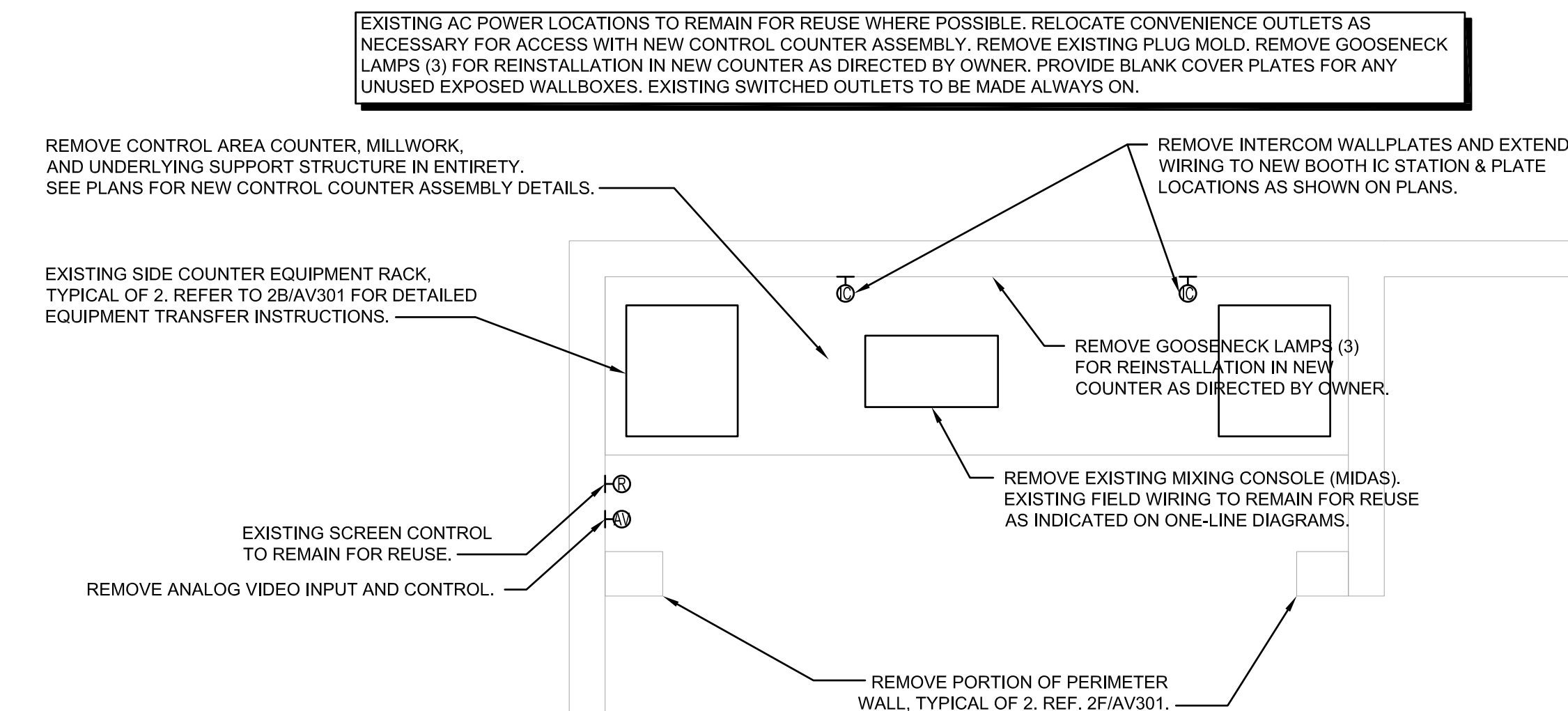
1 AUDITORIUM COMPOSITE DEMOLITION PLAN



2A EXISTING STAGE EQUIPMENT RACK DEMO ELEVATION



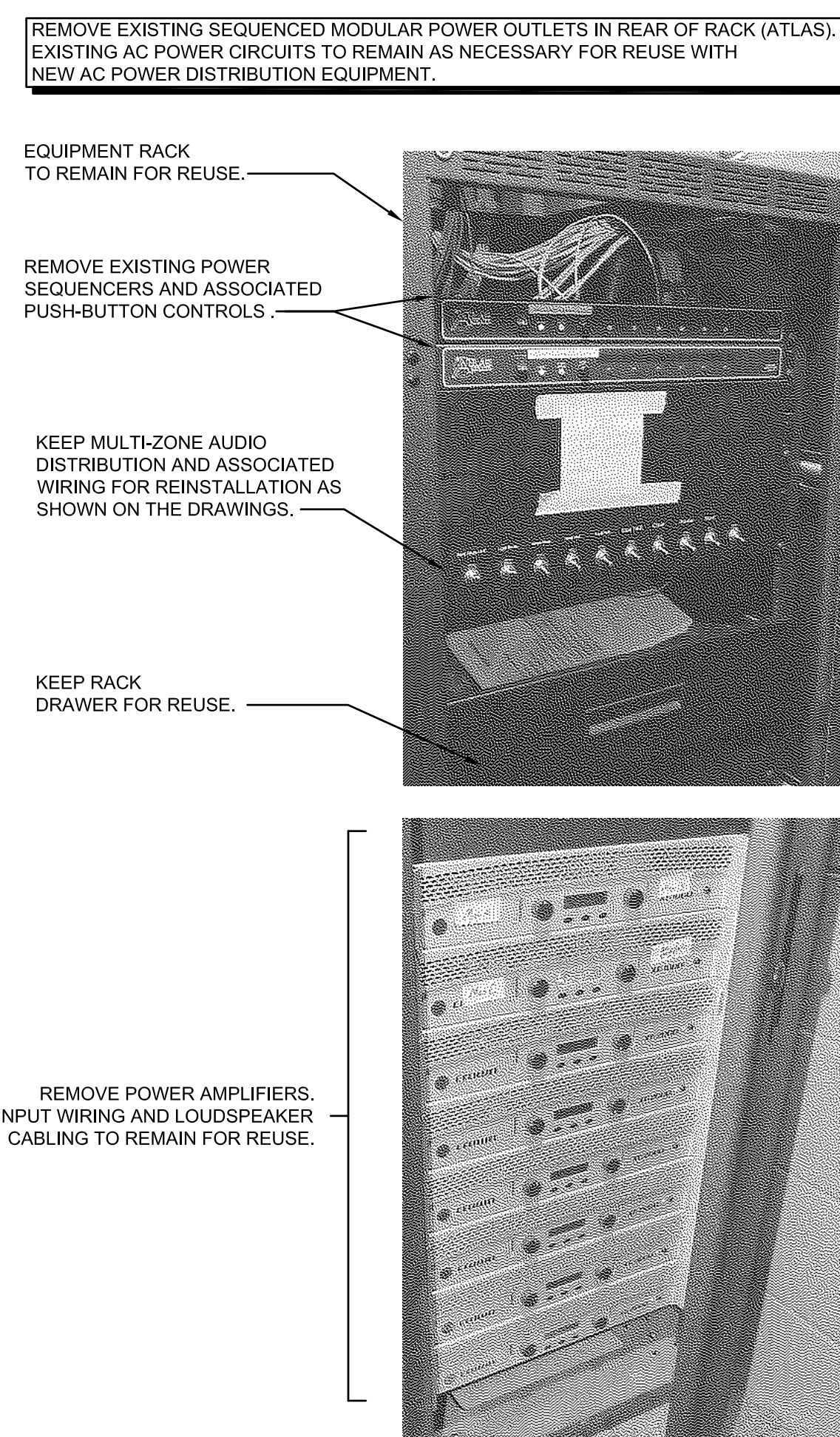
2C EXISTING MAIN EQUIPMENT RACK (LEFT) DEMO ELEVATION



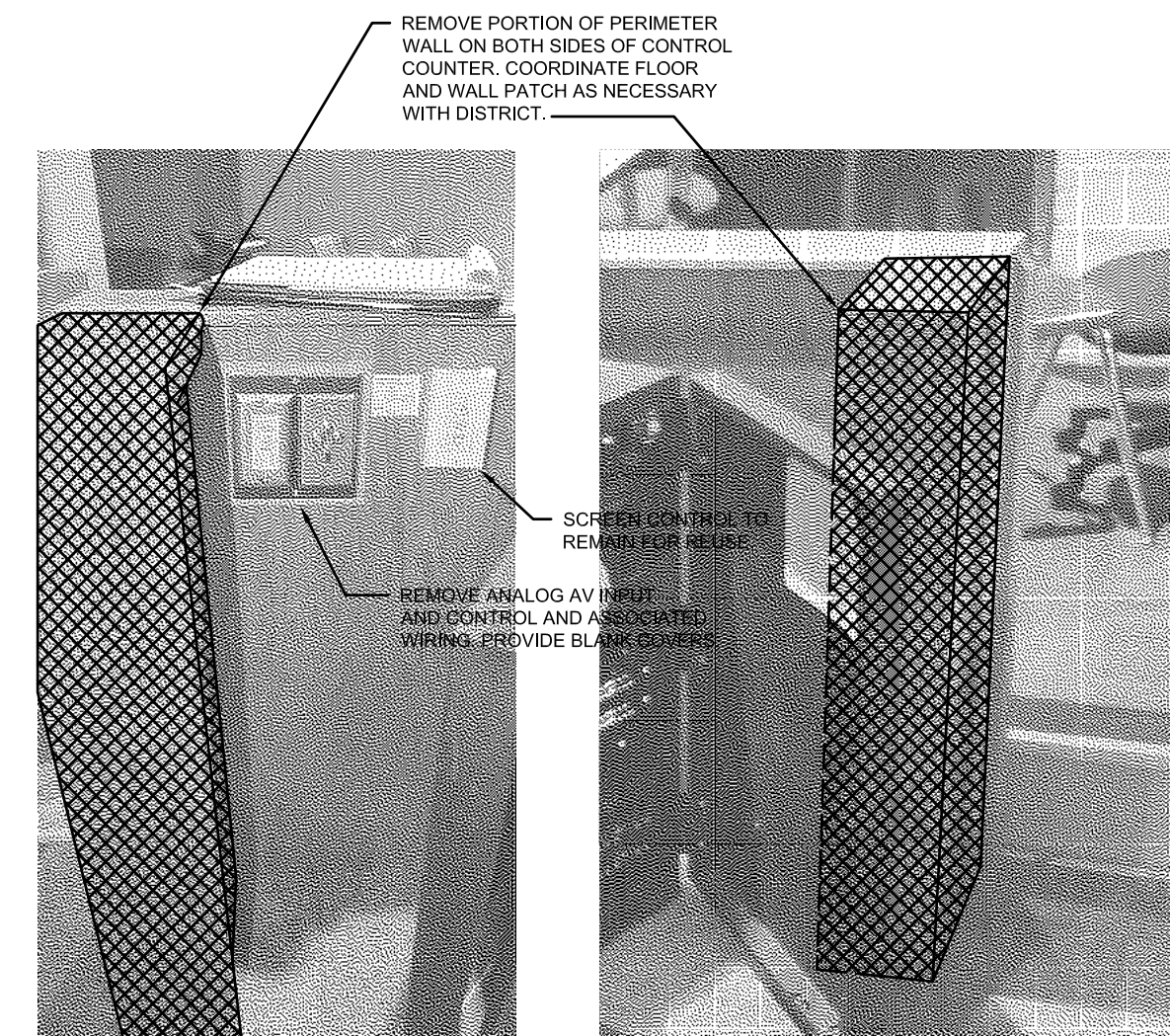
2E EXISTING CONTROL COUNTER DEMOLITION DETAIL



2B EXISTING CONTROL EQUIPMENT RACKS DEMO ELEVATION



2D EXISTING MAIN EQUIPMENT RACK (RIGHT) DEMO ELEVATION



2F EXISTING PERIMETER WALL DEMO DETAIL

GENERAL DEMOLITION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.





1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
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BID DOCUMENTS

DATE: 02/05/2021

REVISÉ DATE:

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WEST AUDITORIUM

SHAWNEE MISSION USD  
AV UPGRADES 2021

**SHEET CONTENTS:**  
● FLOOR PLAN

HTK PROJECT NUMBER:  
● 1707 05-004

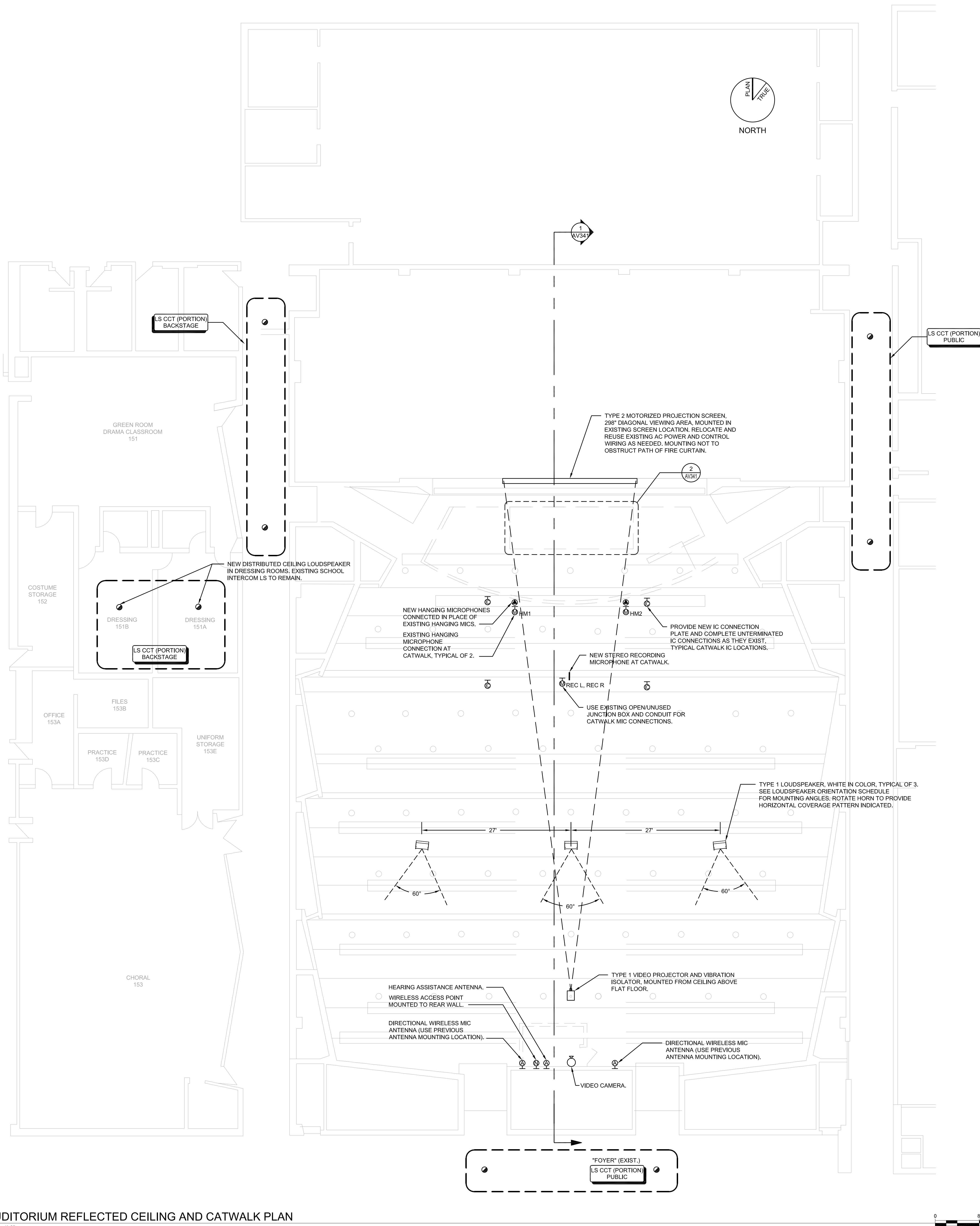
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AV311

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3/5/2021 4:05:14 PM

1 AUDITORIUM REFLECTED CEILING AND CATWALK PLAN  
1/8" = 1'-0"



GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.
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BID DOCUMENTS

DATE:  
● 03/05/2021

REVISED DATE:  
●  
●  
●

SHAWNEE MISSION USD  
AV UPGRADES 2021

Indian Hills, MO, Northwest HS, East HS, West HS

Shawnee Mission School District

8800 W. 85th St., Overland Park, KS 66212

SHEET CONTENTS:  
● CEILING/CATWALK PLAN

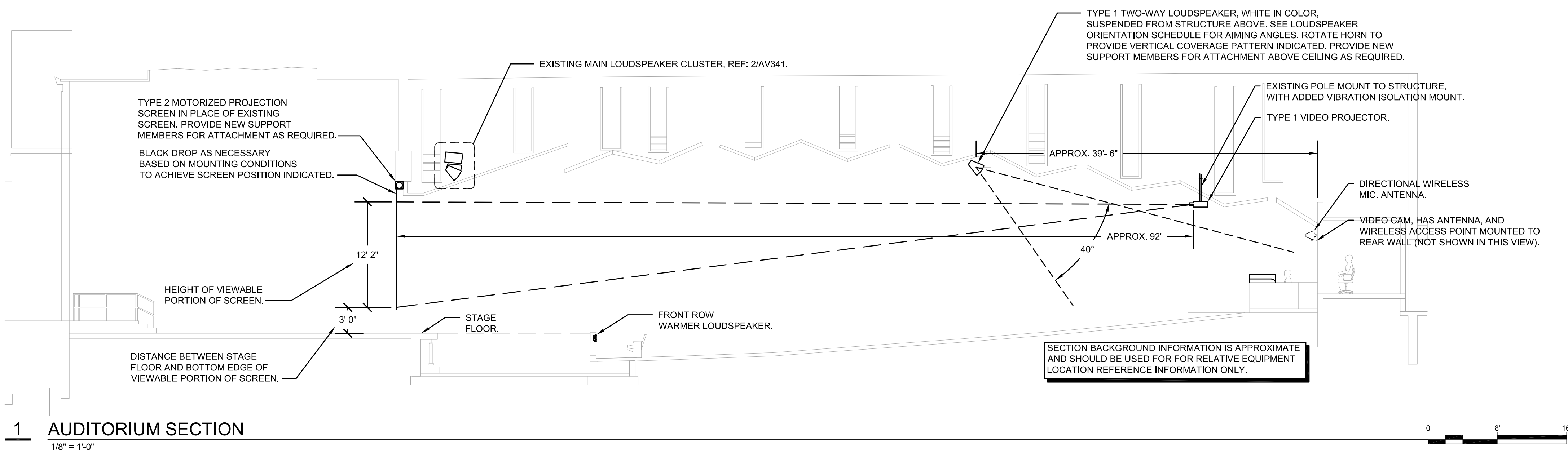
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● 1707.05-004

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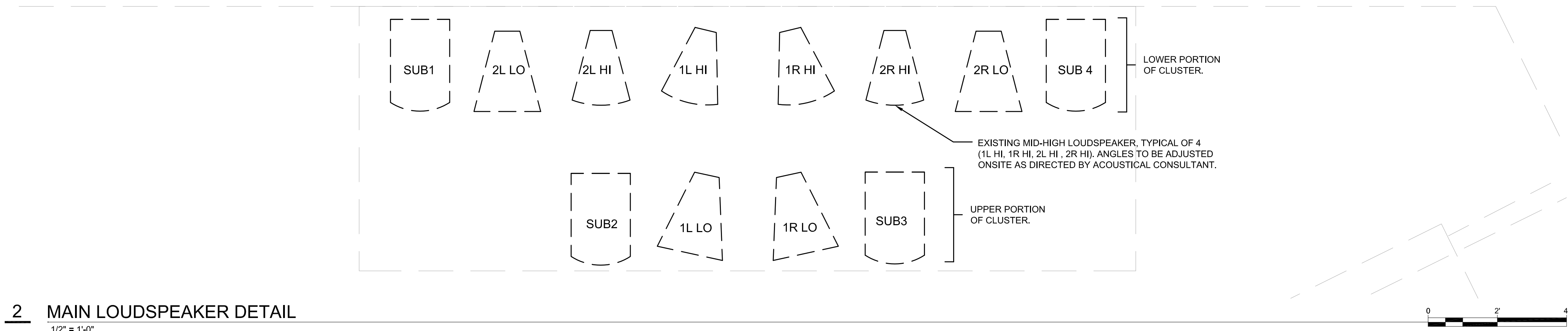
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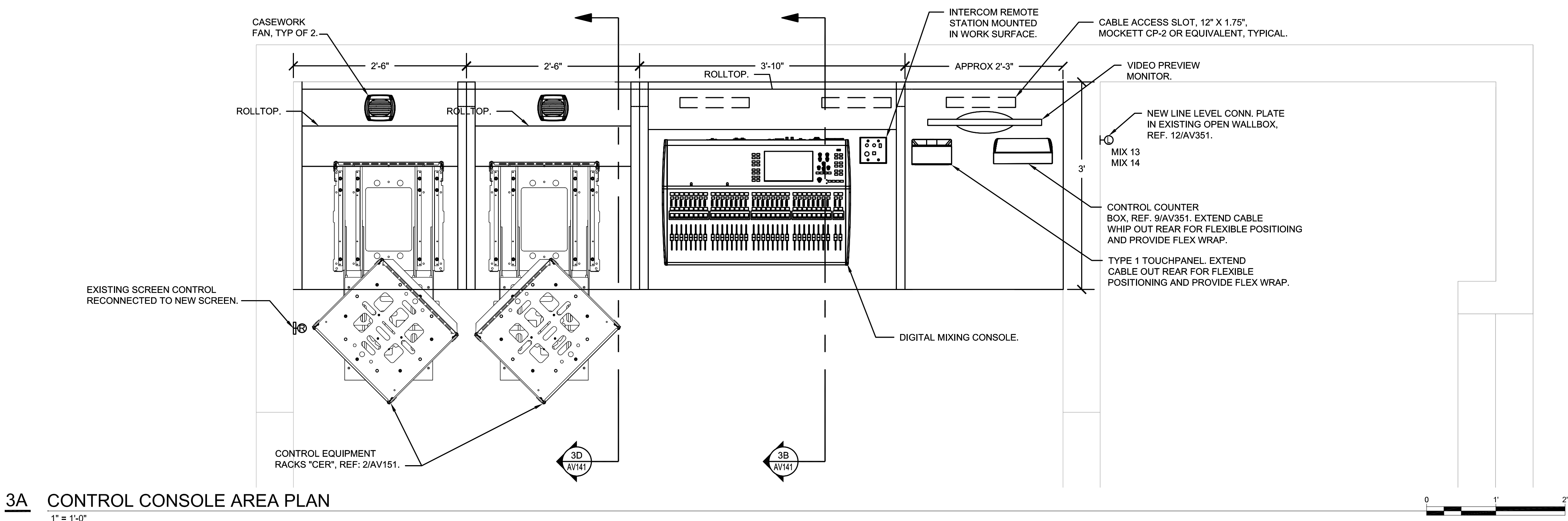
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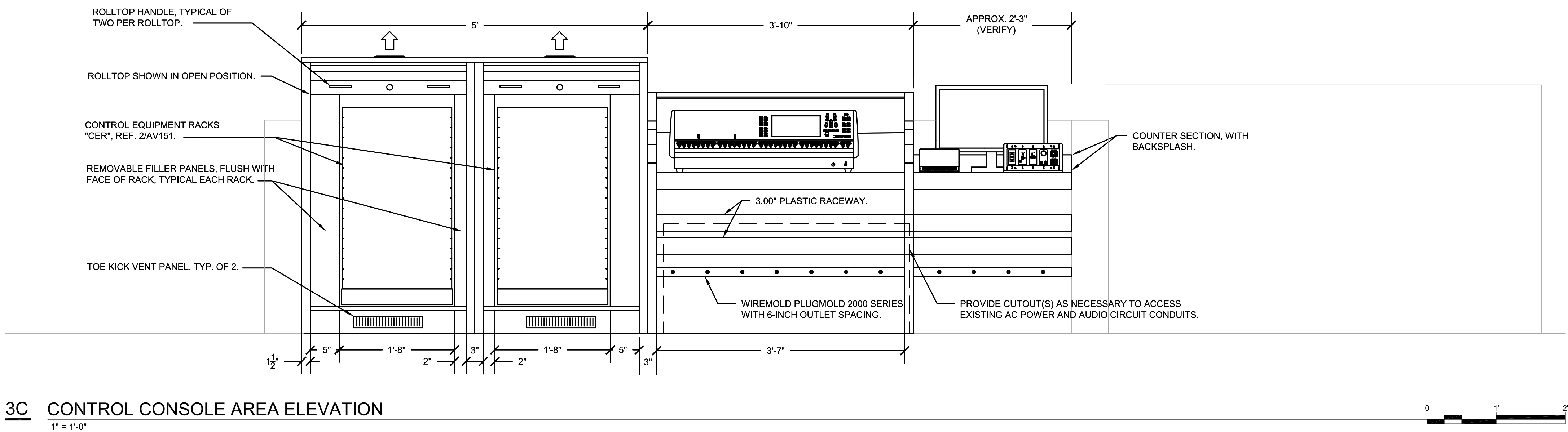
1 AUDITORIUM SECTION  
1/8" = 1'-0"



2 MAIN LOUDSPEAKER DETAIL  
1/2" = 1'-0"



3A CONTROL CONSOLE AREA PLAN  
1" = 1'-0"



3C CONTROL CONSOLE AREA ELEVATION  
1" = 1'-0"

LOUDSPEAKER ORIENTATION SCHEDULE				
LOUDSPEAKER DESIGNATOR	COVERAGE PATTERN HOR. X VERT.	ROLL ROTATION (DEGREES)	HORIZONTAL ROTATION (DEGREES)	VERTICAL TILT/DOWN (DEGREES)
SAT L	60 X 40	CCW90	R6	37
SAT C	60 X 40	CW90	0	37
SAT R	60 X 40	CW90	L6	37

TO ORIENT LOUDSPEAKERS

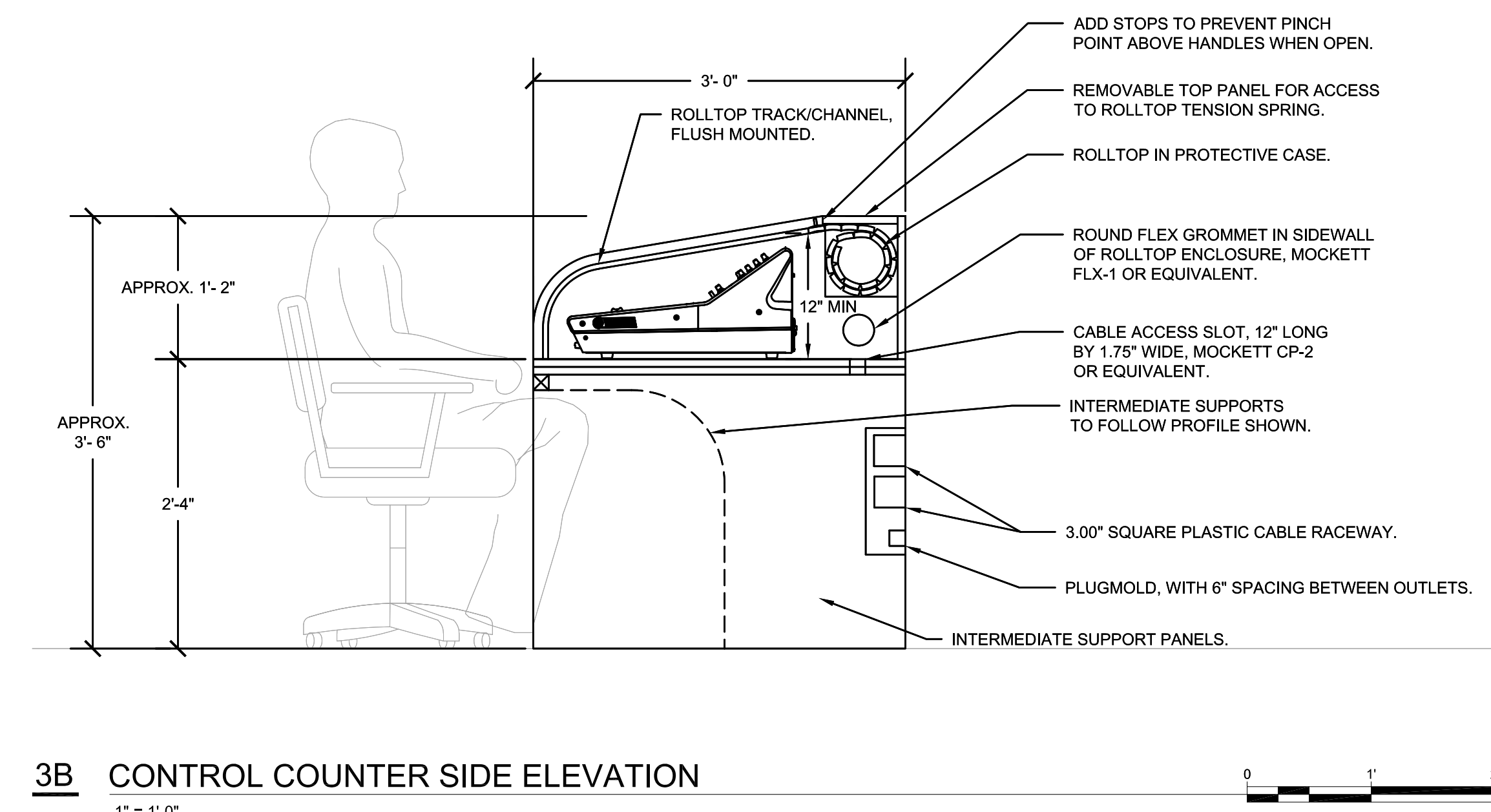
- VIEW ALL LOUDSPEAKERS FROM THE REAR.
- ROLL LOUDSPEAKER TO SCHEDULED ANGLE CLOCKWISE (CW) OR COUNTERCLOCKWISE (CCW).
- ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE.
- TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL.
- PLAN SOUTH EQUALS 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS (PARALLEL TO CENTER LINE OF AUDITORIUM).

#### LOUDSPEAKER NOTES

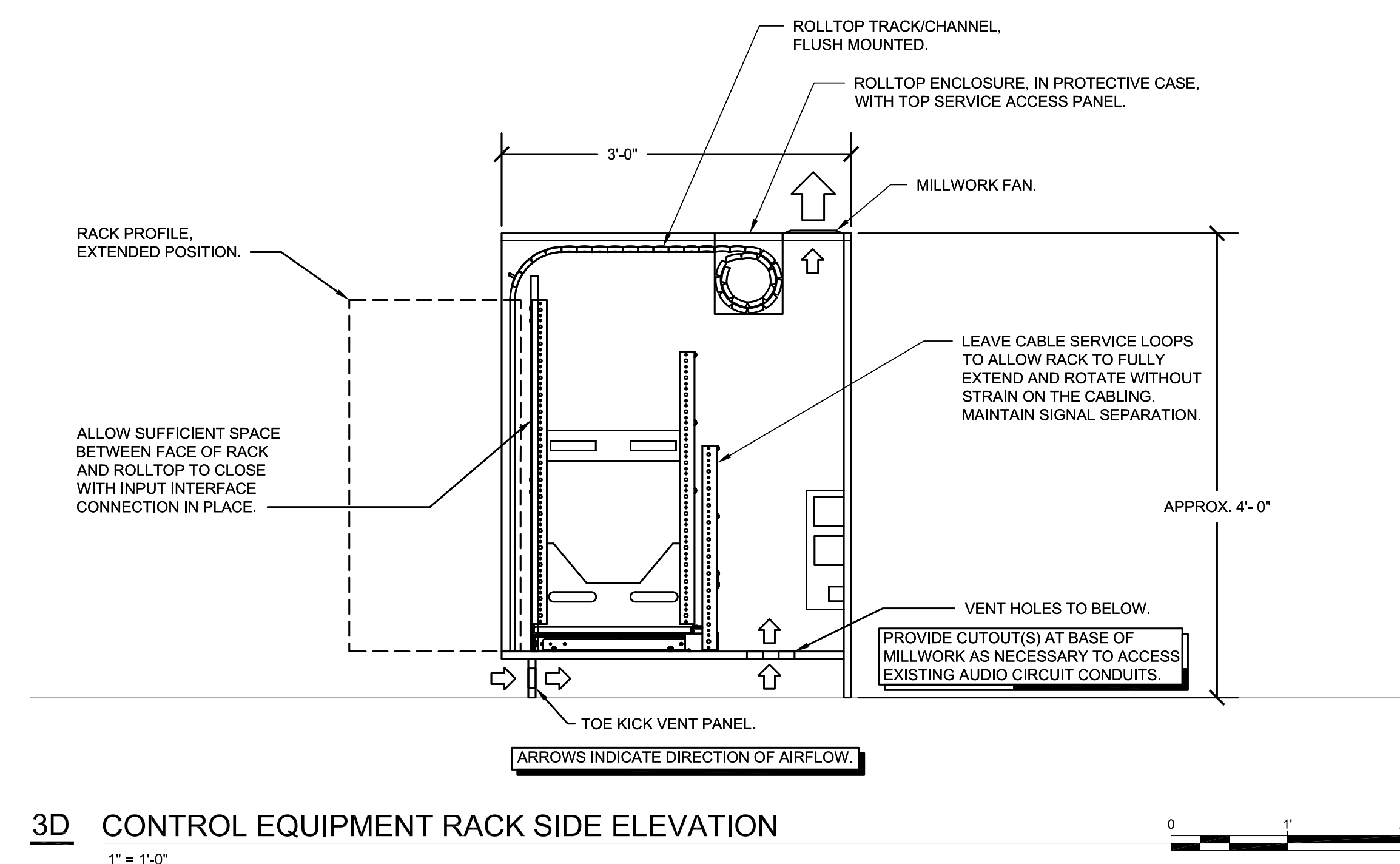
- STRUCTURAL DETAILS, STRUCTURAL MEMBER TYPES, SIZES, AND ATTACHMENT METHODS ARE SHOWN FOR CONCEPT ONLY. ATTENTION IS CALLED TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING APPROVAL OF THE EXACT DETAILS TO BE USED.
- INSTALL LOUDSPEAKERS SO THERE ARE NO OBSTRUCTIONS TO EACH LOUDSPEAKER'S RATED COVERAGE PATTERN.
- LOUDSPEAKERS ARE DRAWN TO APPROXIMATE DIMENSIONS. VERIFY EXACT DIMENSIONS REQUIRED FOR LOUDSPEAKERS FURNISHED.
- PROVIDE ACCESS TO LOUDSPEAKERS DURING INSTALLATION, TESTING, AND EQUALIZATION ACTIVITIES. REORIENT LOUDSPEAKERS, IF SO REQUESTED BY ACoustICAL CONSULTANT, DURING SYSTEM TESTING AND EQUALIZATION ACTIVITIES.

#### GENERAL CONTROL CONSOLE NOTES

- VERIFY EXISTING CONDITIONS AT THE CONTROL LOCATION PRIOR TO FABRICATION AND AS REQUIRED TO COORDINATE WITH BASIC CONSTRUCTION.
- ALL CONSOLE AND EQUIPMENT DIMENSIONS ARE SHOWN FOR CONCEPT ONLY. VERIFY DIMENSIONS AND MOUNTING REQUIREMENTS FOR ALL EQUIPMENT FURNISHED PRIOR TO CONTROL COUNTER FABRICATION.
- SUBMIT DETAILED SHOP DRAWINGS PRIOR TO CONSOLE FABRICATION.
- UNLESS INDICATED OTHERWISE, THE CONSOLE MILLWORK SHALL COMPLY WITH THE ARCHITECTURAL WOODWORK INSTITUTE'S QUALITY STANDARDS SECTION 400, ARCHITECTURAL CABINETS, AND DIVISIONS 400B AND 400C, CUSTOM GRADE, FLUSH OVERLAY. CONSOLE SHALL BE 0.75" PLYWOOD OR MDF CONSTRUCTION, USING TWO 0.75" LAYERS FOR LOAD BEARING SPANS, WITH HIGH PRESSURE DECORATIVE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, INCLUDING ALL SHELVES AND INTERIOR VISIBLE SURFACES. PLASTIC LAMINATE SHALL BE GP-50 FOR HORIZONTAL SURFACES, INCLUDING COUNTERTOPS, AND GP-25 FOR VERTICAL SURFACES AND EDGES. LAMINATE SELECTION SHALL BE MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS AND FINISHES, PATTERNS SERIES. INSTALLATION TO COMPLY WITH AIA SECTION 1700, INSTALLATION, FOR SAME GRADE SPECIFIED ABOVE.
- ROLLTOP CONSTRUCTION SHALL BE EXTRUDED ALUMINUM SLATS, DOUBLE WALL CONSTRUCTION, "DARK BRONZE" COLOR. ALL ROLLTOPS SHALL HAVE A PROTECTIVE CASE, WITH KEYED LOCK WITH BARS, TWO PULL HANDLES, AND BLACK STOPS. ASSEMBLIES SHALL BE SPRING ASSISTED; PROPERLY ADJUST TENSION PRIOR TO INSTALLATION.



3B CONTROL COUNTER SIDE ELEVATION  
1" = 1'-0"



3D CONTROL EQUIPMENT RACK SIDE ELEVATION  
1" = 1'-0"

#### BID DOCUMENTS

DATE:  
● 03/05/2021  
REVISED DATE:  
●  
●  
●

## WEST AUDITORIUM

## SHAWNEE MISSION USD AV UPGRADES 2021

Indian Hills, MO, Northwest HS, East HS, West HS  
Shawnee Mission School District  
8800 W. 85th St., Overland Park, KS 66212

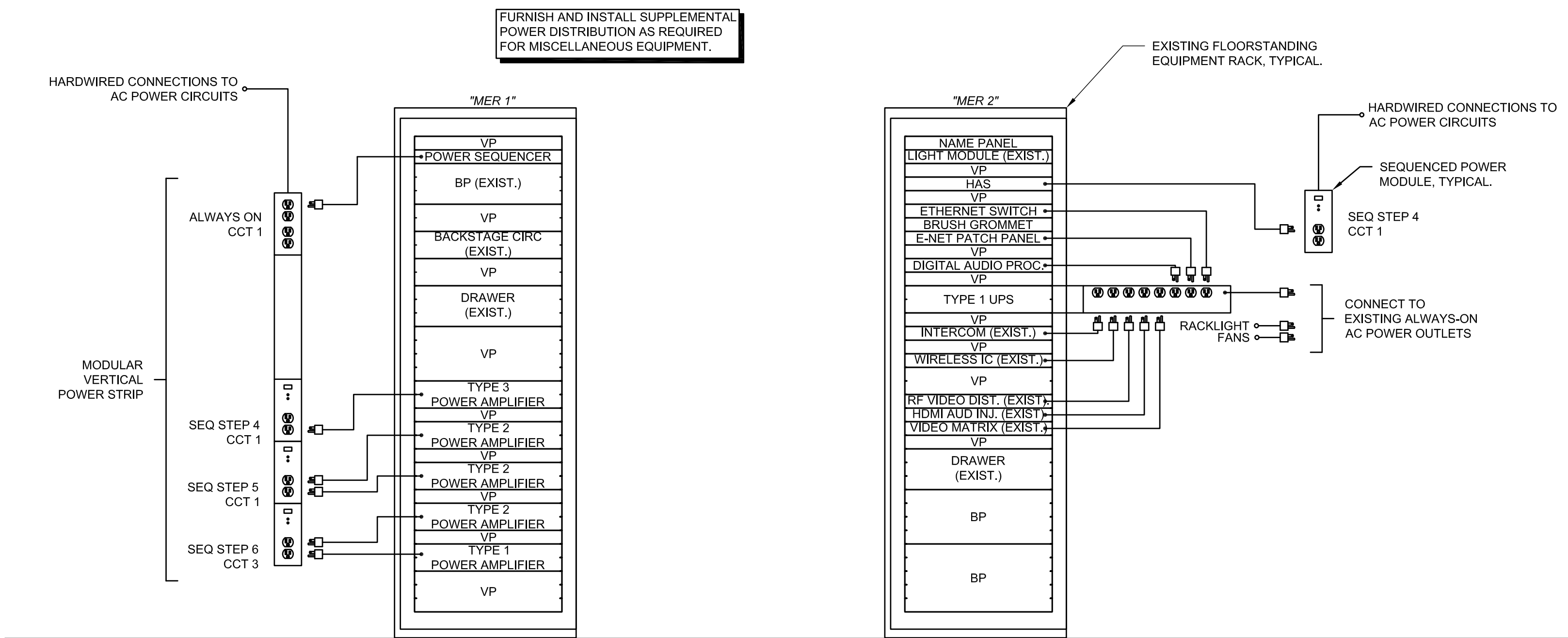
SHEET CONTENTS:  
● SECTION, ENLARGED PLANS,  
AND DETAILS

HTK PROJECT NUMBER:  
● 1707.03-004

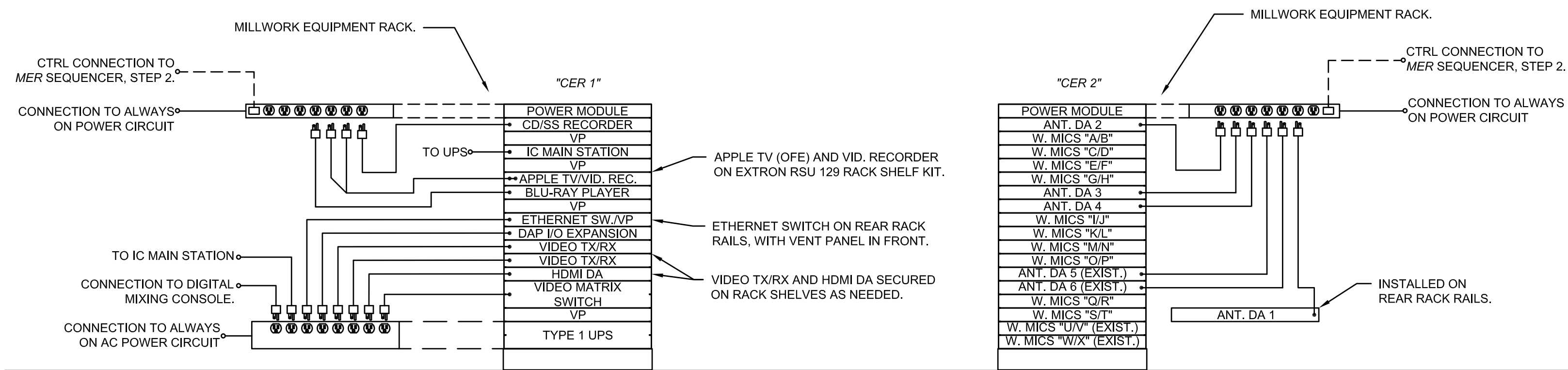
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AV341

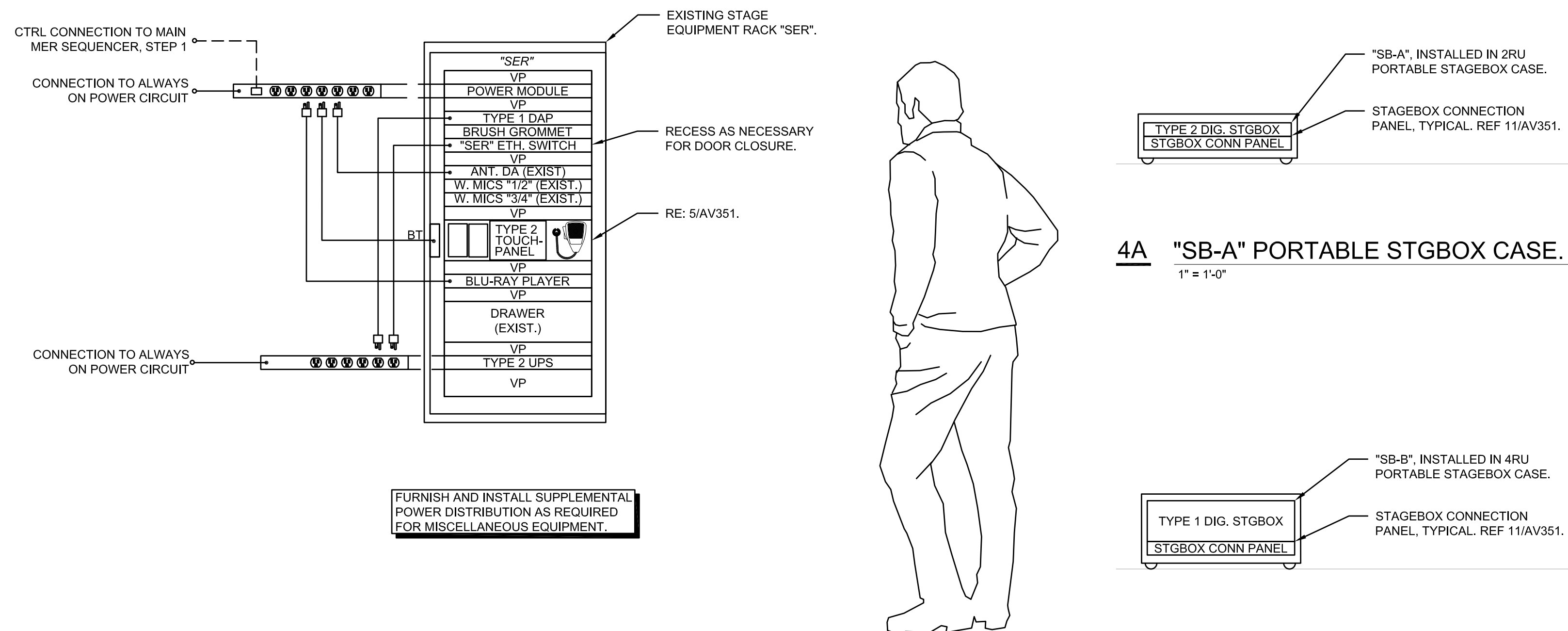




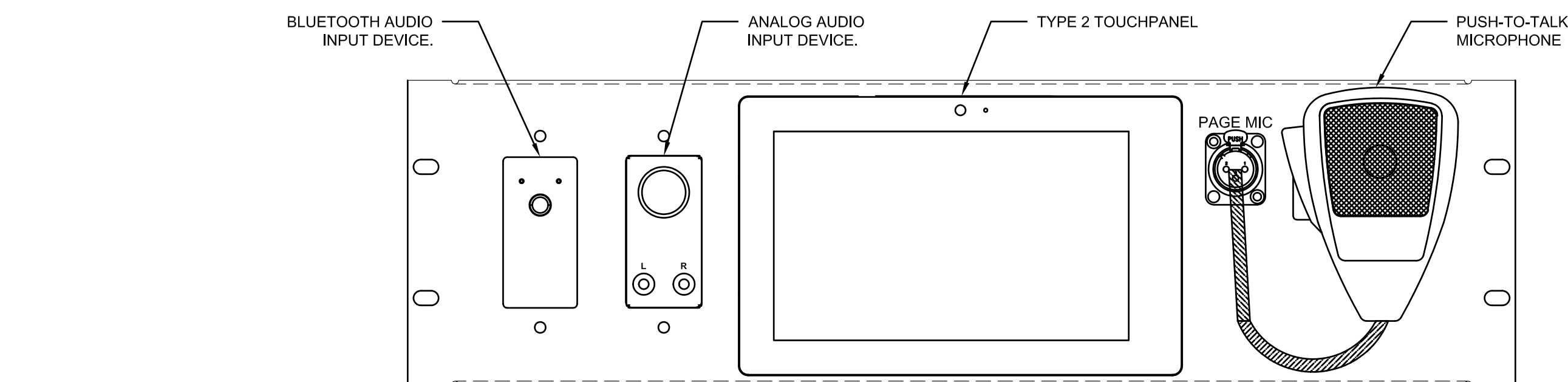
1 MAIN EQUIPMENT RACK ("MER") ELEVATIONS  
1" = 1'-0"



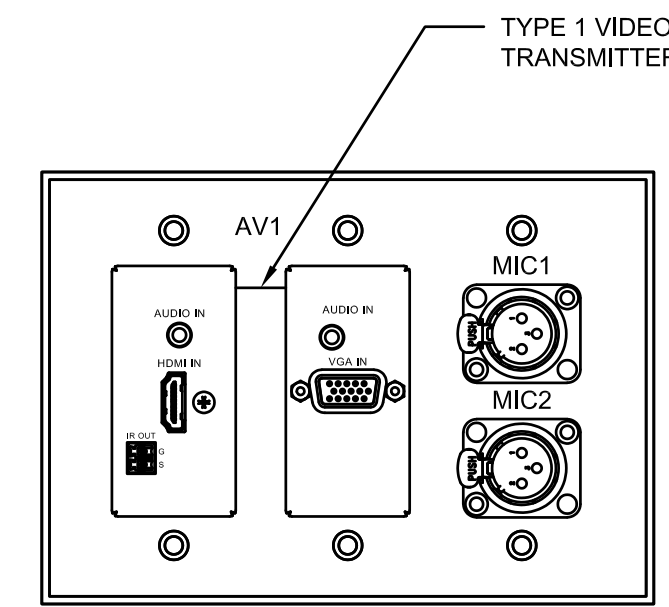
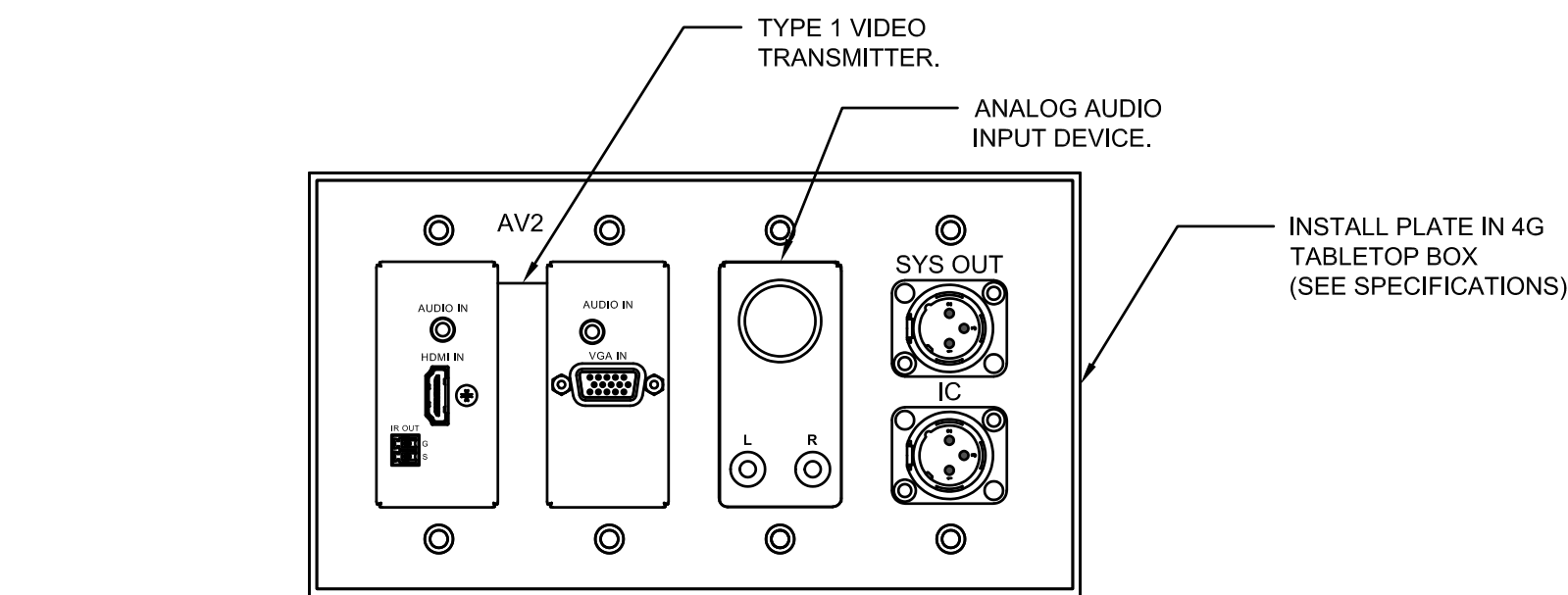
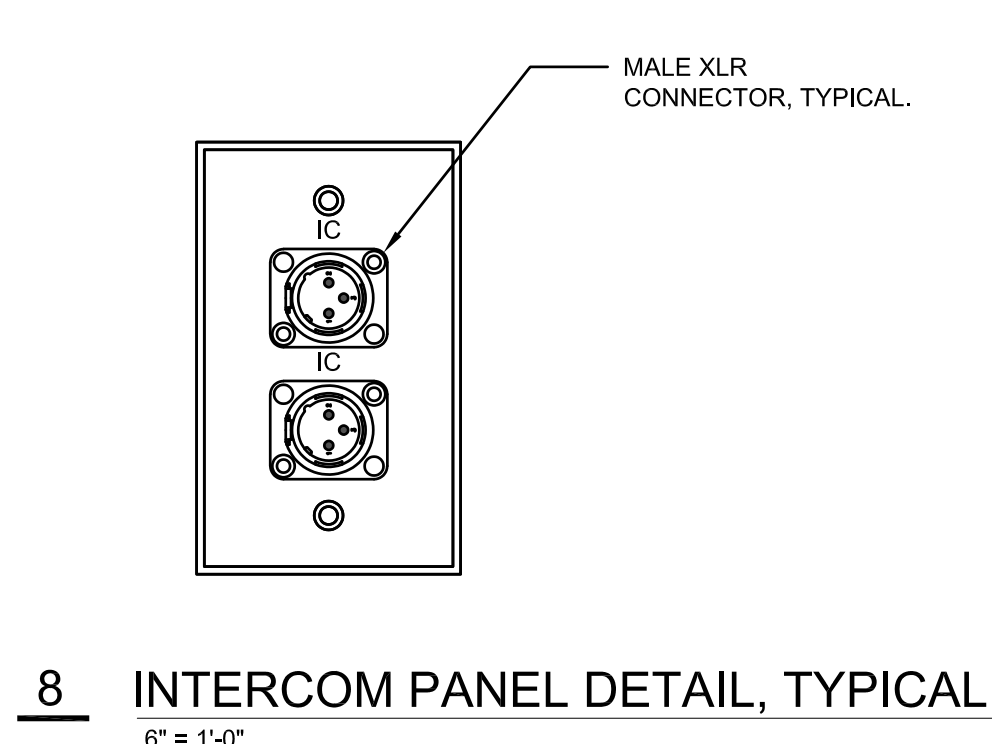
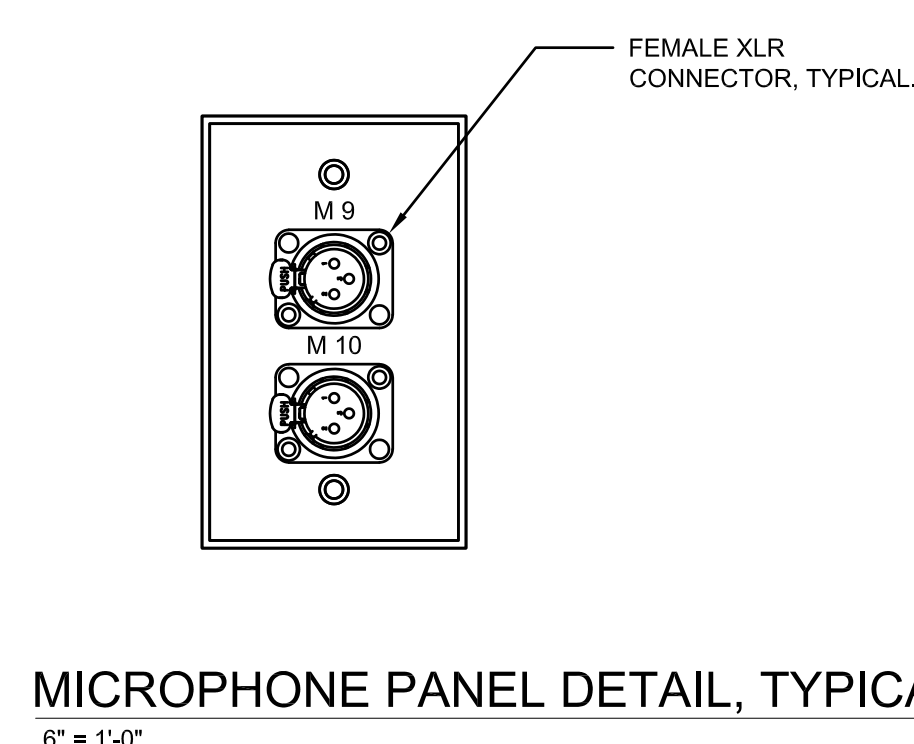
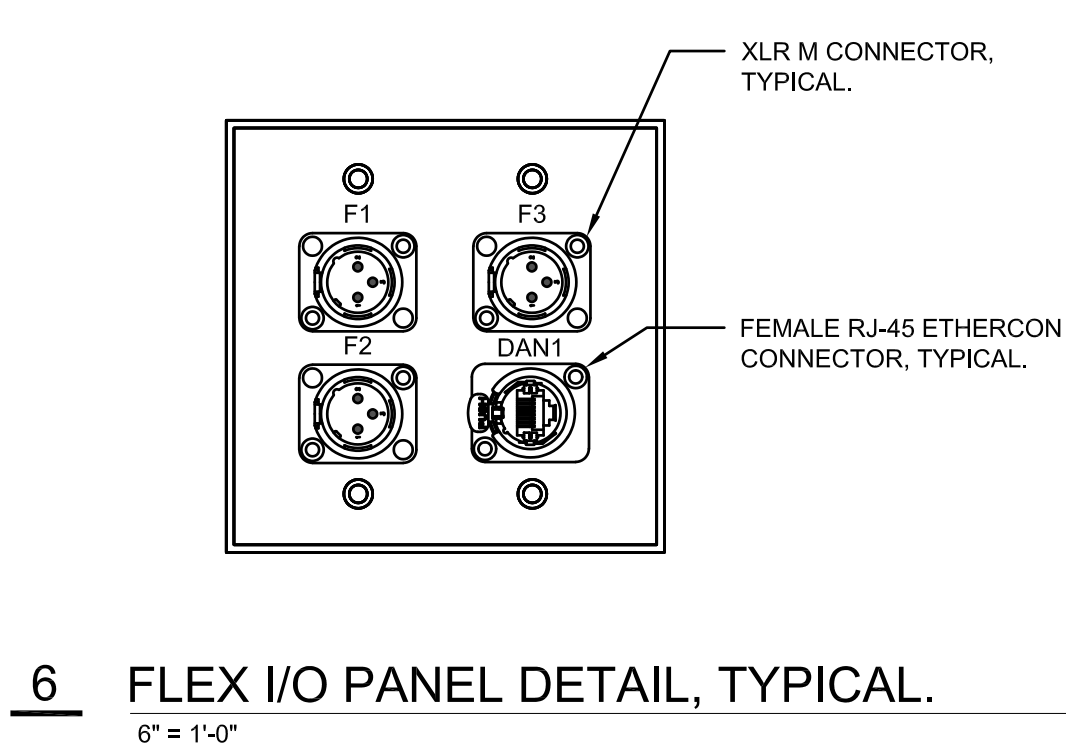
2 CONTROL EQUIPMENT RACKS ("CER") ELEVATIONS  
1" = 1'-0"



3 STAGE EQUIPMENT RACK ("SER") ELEVATION  
1" = 1'-0"

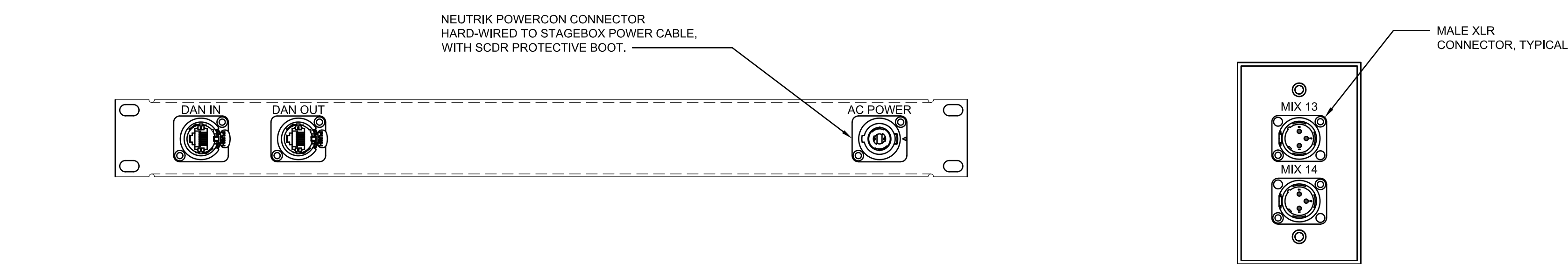


5 SER CONNECTION PANEL DETAIL  
6" = 1'-0"



9 CONTROL CONSOLE BOX CONNECTION PANEL.  
6" = 1'-0"

10 STAGE LEFT WING AV CONNECTION PANEL.  
6" = 1'-0"



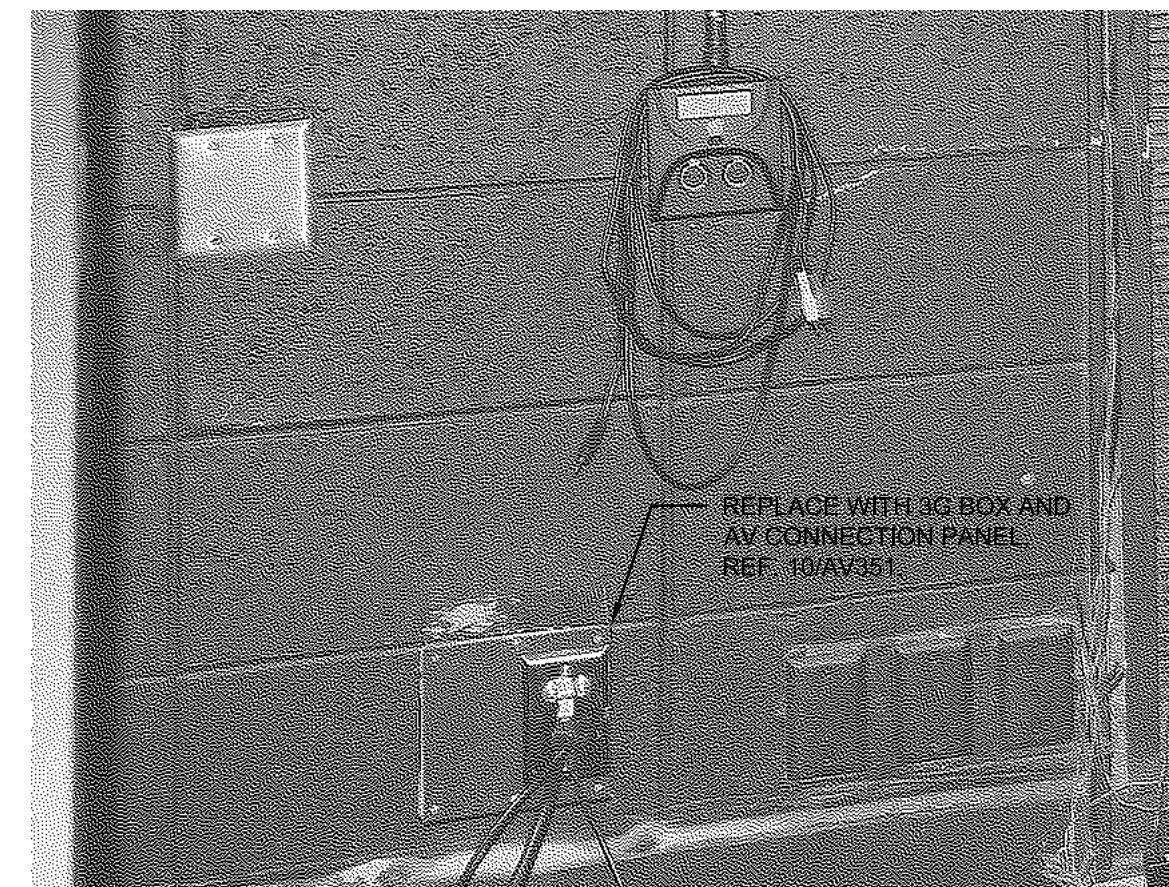
12 MIXER OUTPUT PANEL DETAIL.  
6" = 1'-0"

#### EXISTING CONNECTION PANEL NOTES

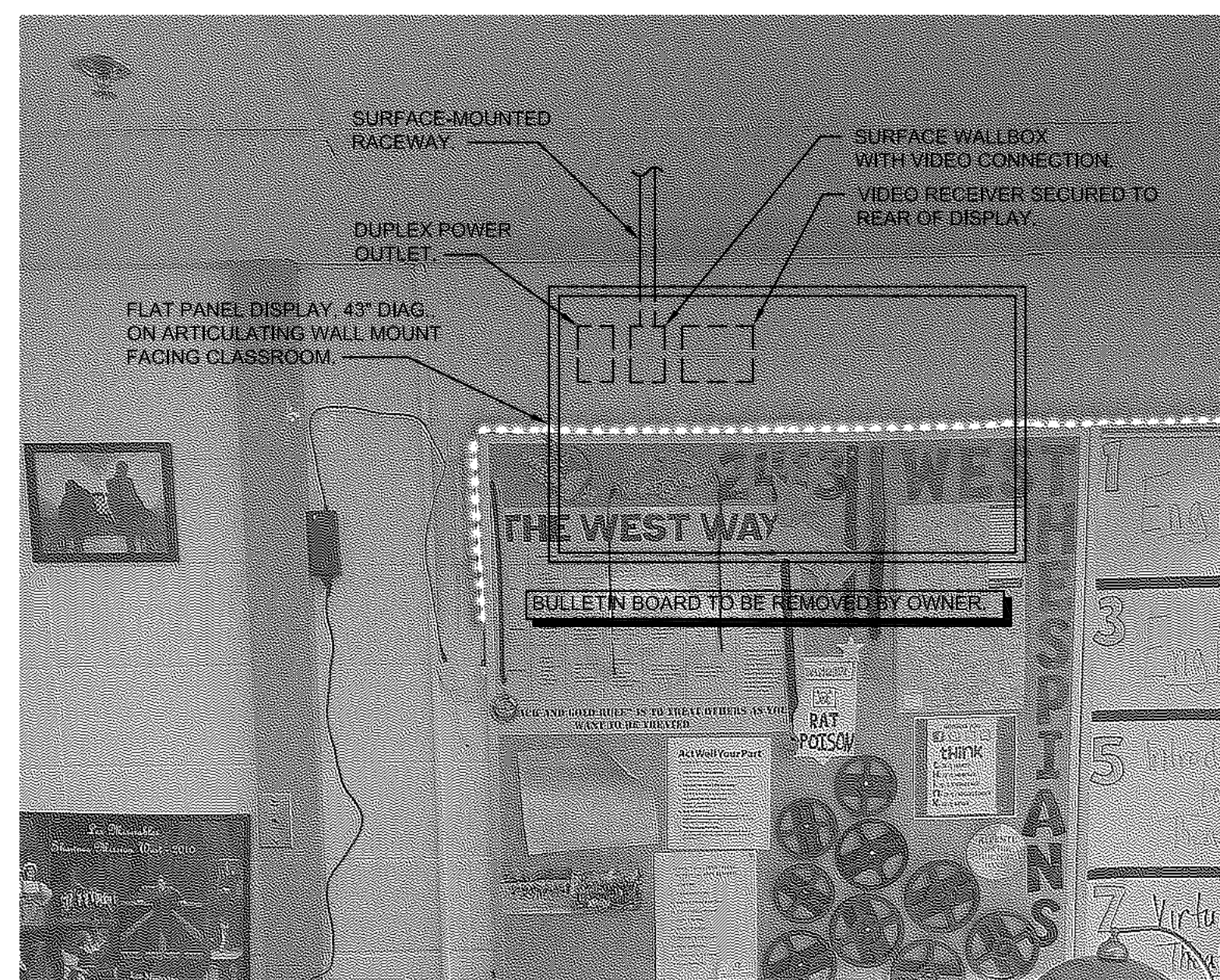
1. REPLACE ALL EXISTING MICROPHONE, INTERCOM, AND MONITOR LOUDSPEAKER CONNECTION PLATES WHICH ARE DAMAGED OR UNLABELED WITH NEW LABELED CONNECTION PLATES WHICH MEET SPECIFICATION REQUIREMENTS.

#### GENERAL CONNECTION PANEL NOTES

1. UNLESS NOTED OTHERWISE, STANDARD GANG CONNECTION PANELS SHALL BE SIERRA STAINLESS STEEL WALL PLATES, OR COLOR AS SELECTED BY ARCHITECT.
2. ALL CONNECTION PANELS SHALL HAVE COUNTERSUNK SCREW HOLES AND PHILLIPS COUNTERSUNK OR OVAL-HEAD SCREWS FINISHED TO MATCH PANEL. ALL LETTERING SHALL BE ENGRAVED AND FILLED DIRECTLY ON THE PANEL, REGARDLESS OF PANEL COLOR. ALL PANEL MOUNTED CONNECTORS SHOULD MATCH THE FINISH COLOR OF THE PANEL WHEREVER POSSIBLE.
3. ALL STANDARD SIZED RACK PANELS USED TO MOUNT CONTROLS OR CONNECTORS SHALL HAVE FORMED EDGES, WITH ALL LETTERING ENGRAVED AND FILLED DIRECTLY ON THE PANEL.
4. VERIFY ALL DIMENSIONS AND SPACING FOR PANEL-MOUNTED COMPONENTS AND ENGRAVINGS. UNLESS NOTED OTHERWISE, ENGRAVED TEXT SHALL BE 3/16-INCH HIGH. SPACING BETWEEN PANEL-MOUNTED COMPONENTS SHALL BE SUFFICIENT TO ENABLE FRONT CABLE CONNECTIONS TO BE MADE EASILY.
5. CONNECTION PANEL LAYOUTS SHALL BE ACCORDING TO FUNCTION WITH ALL CONNECTIONS OF ONE TYPE LOCATED TOGETHER. LABELS SHALL BE LOCATED ABOVE THE CORRESPONDING CONNECTOR OR COMPONENT.
6. SUBMIT A SHOP DRAWING FOR EACH CONNECTION PANEL WITH ALL CONNECTIONS, DEVICES, LABELS, COLORS AND SIZES CLEARLY INDICATED.



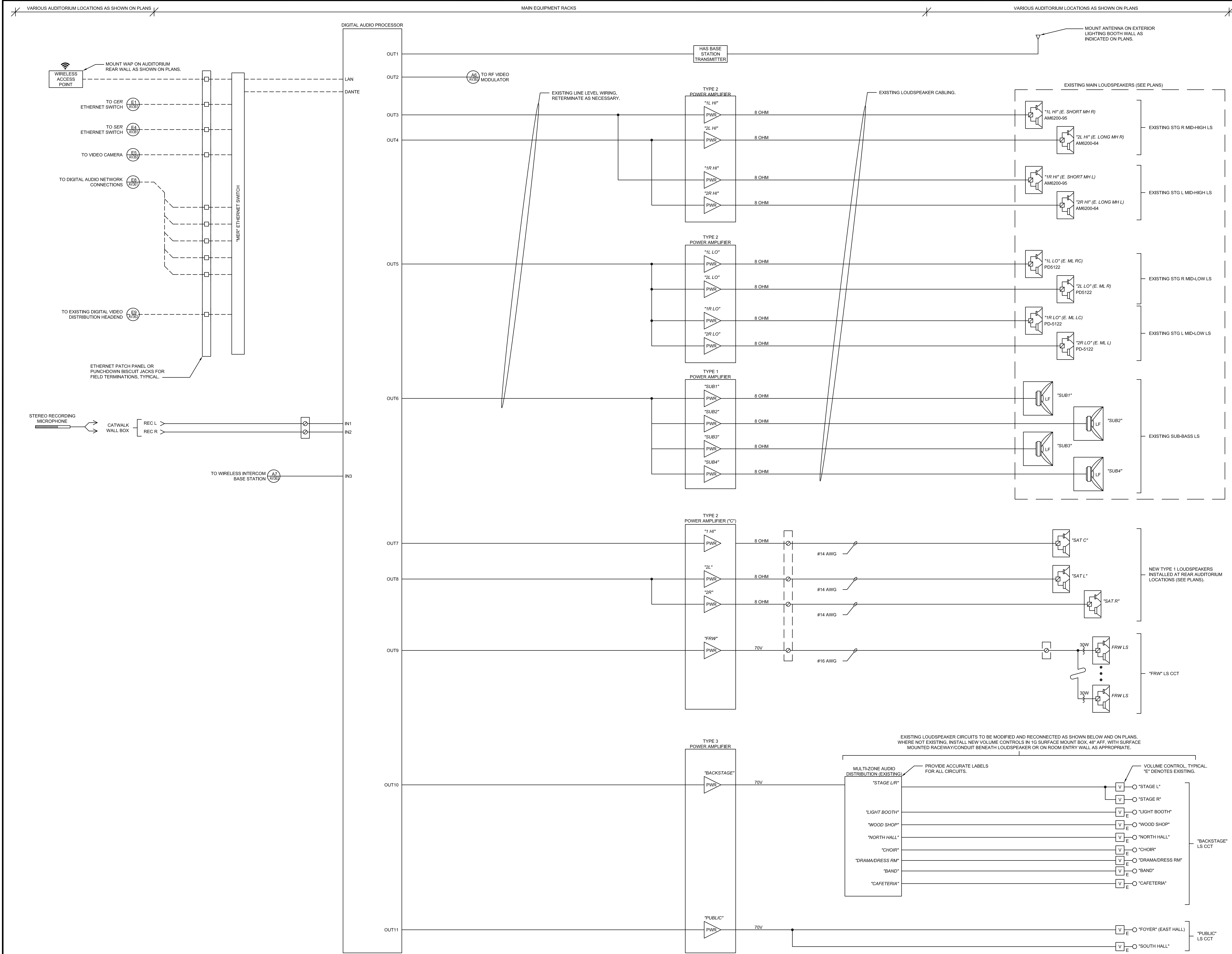
13 STAGE LEFT WING AV CONNECTION PANEL DETAIL  
Not to scale.



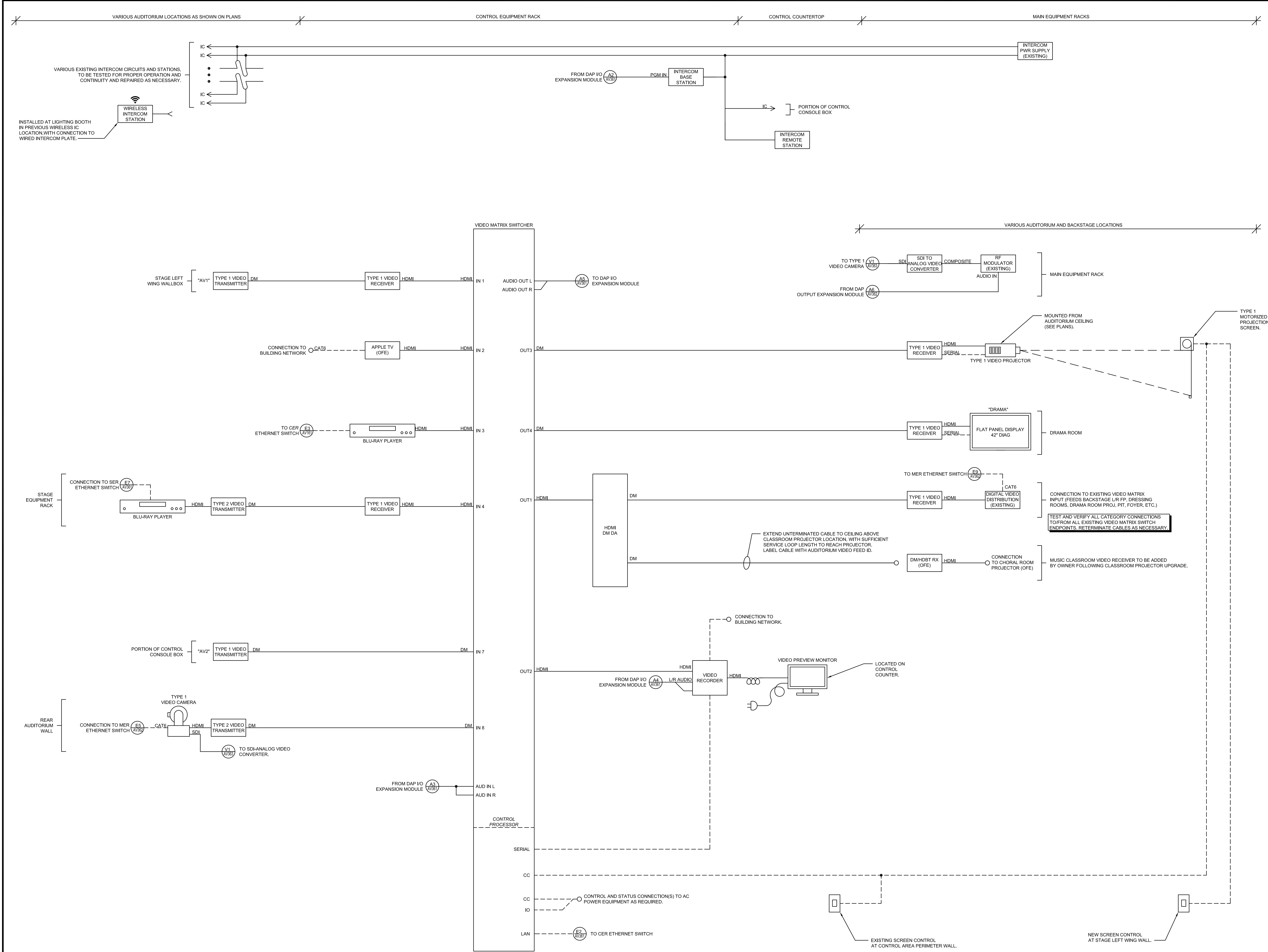
14 DRAMA ROOM FLAT PANEL DETAIL  
Not to scale.





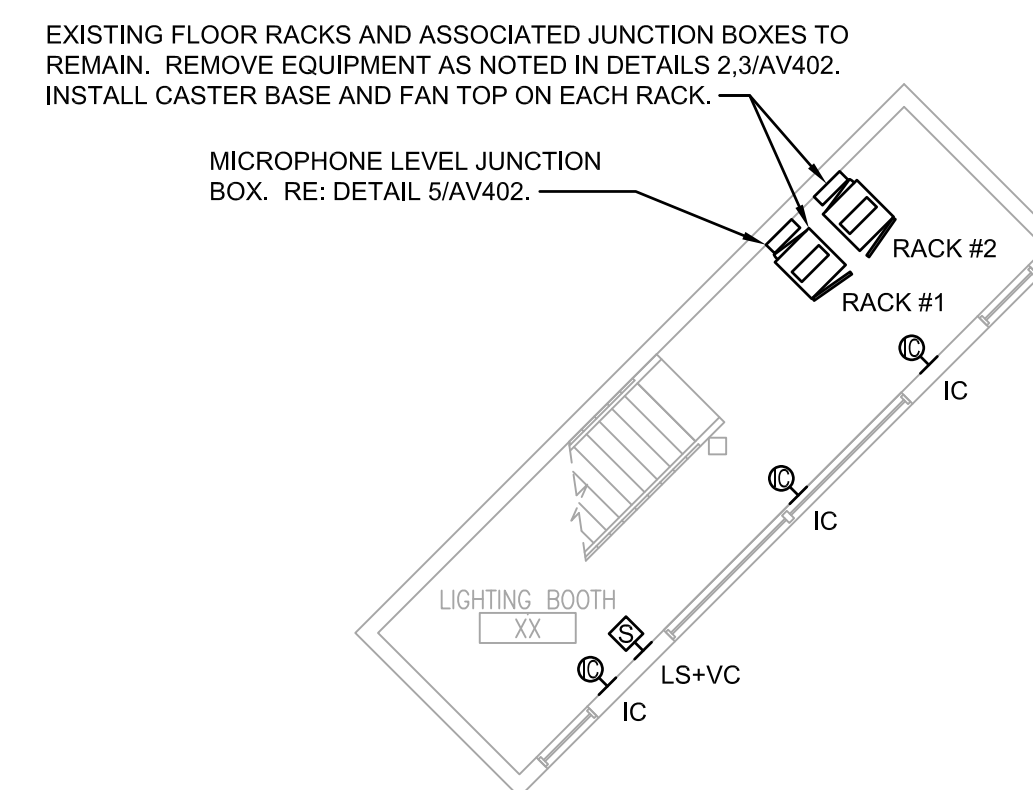
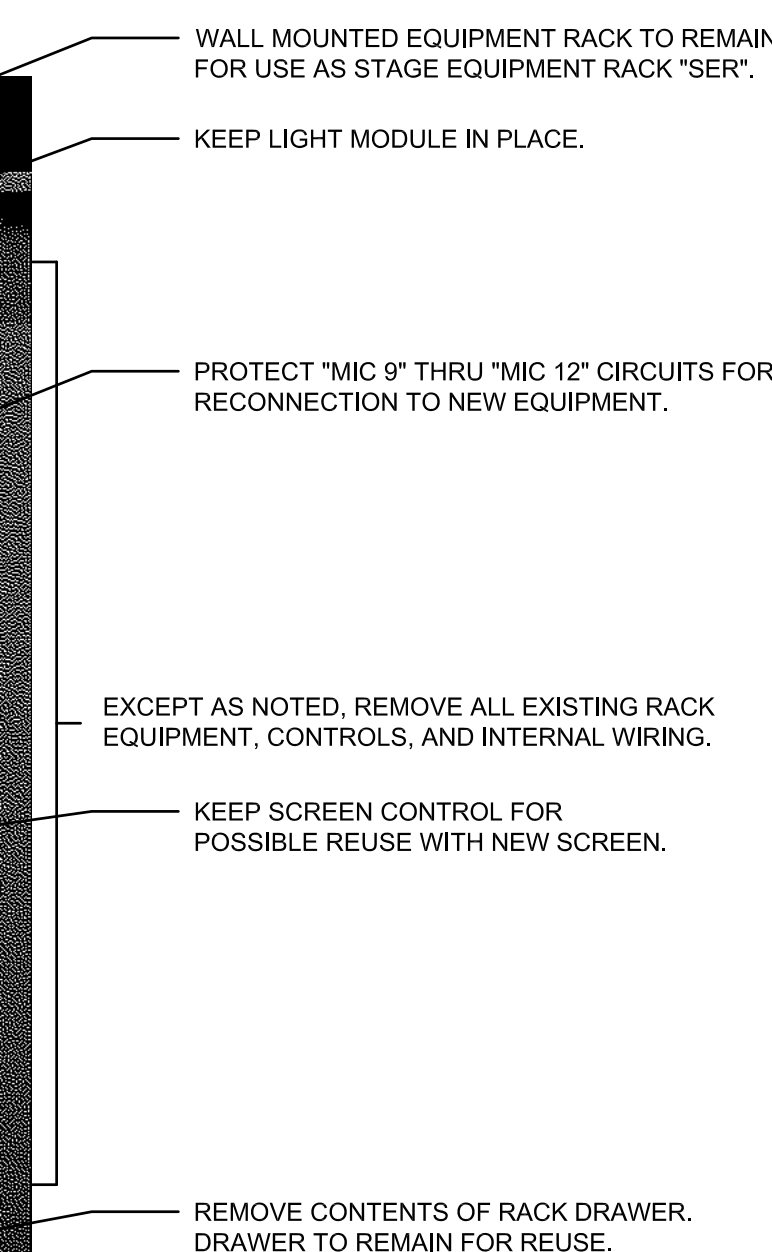




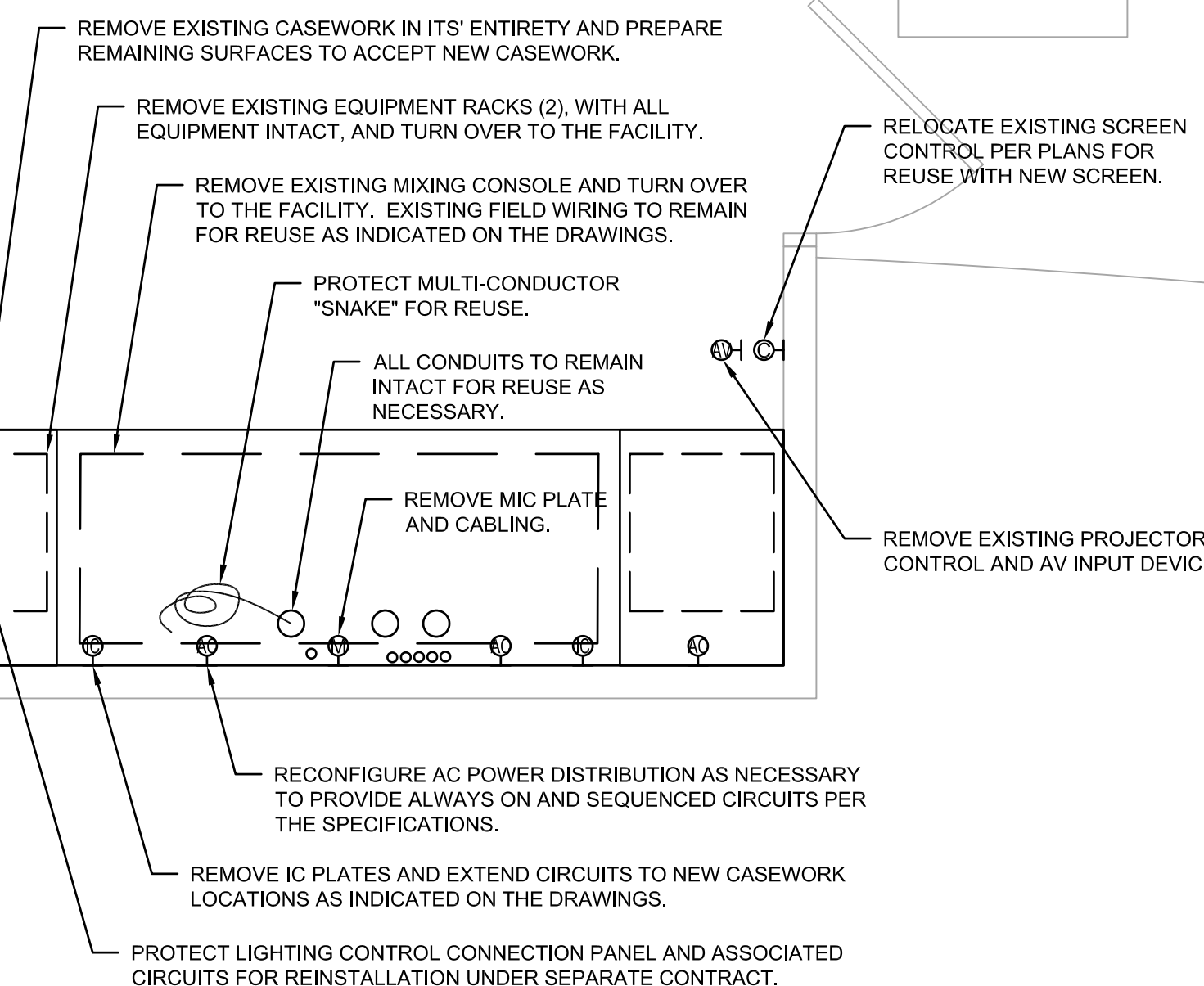




1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.


$$\frac{1}{8}'' = 1'-0$$


Not to scale

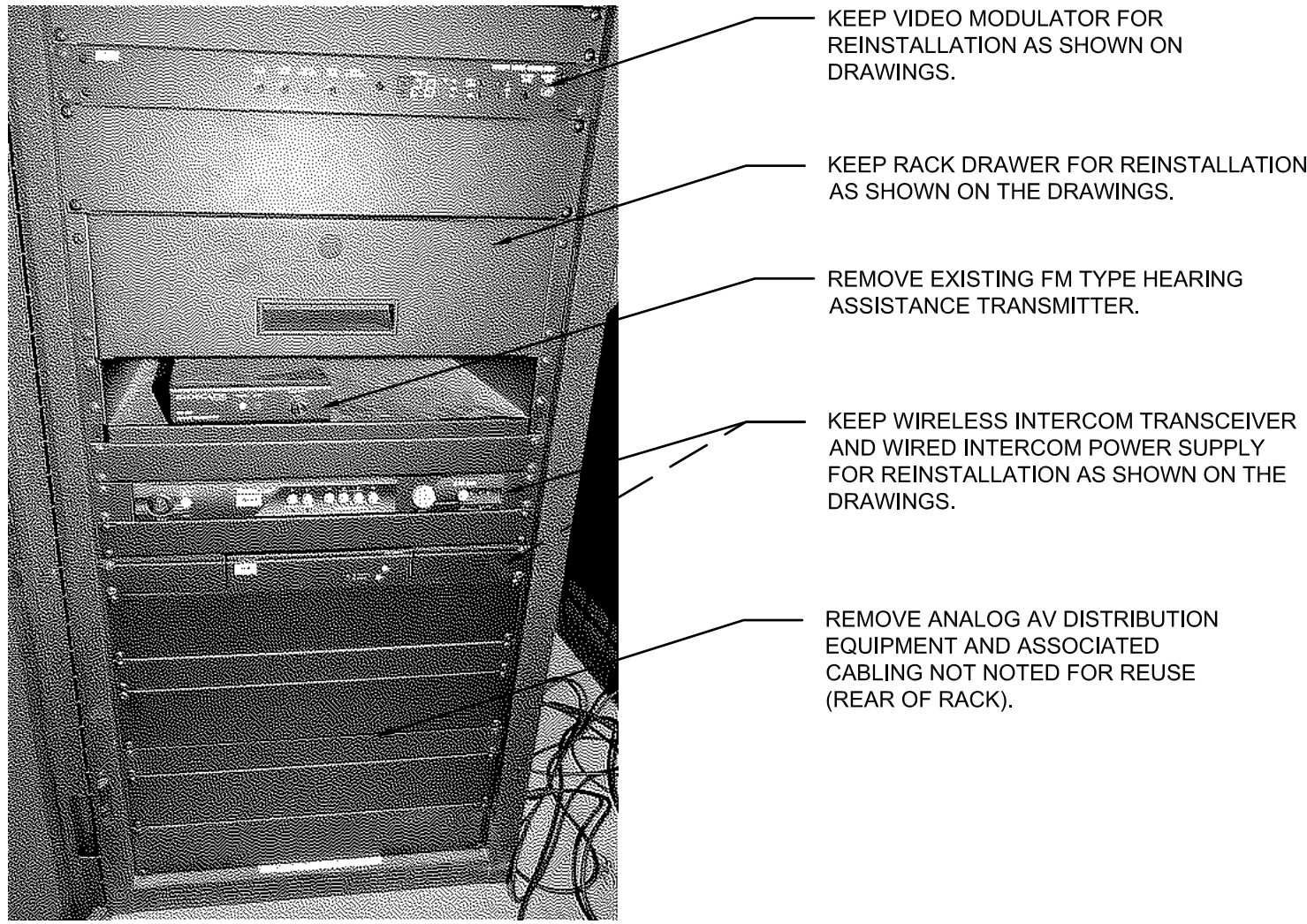
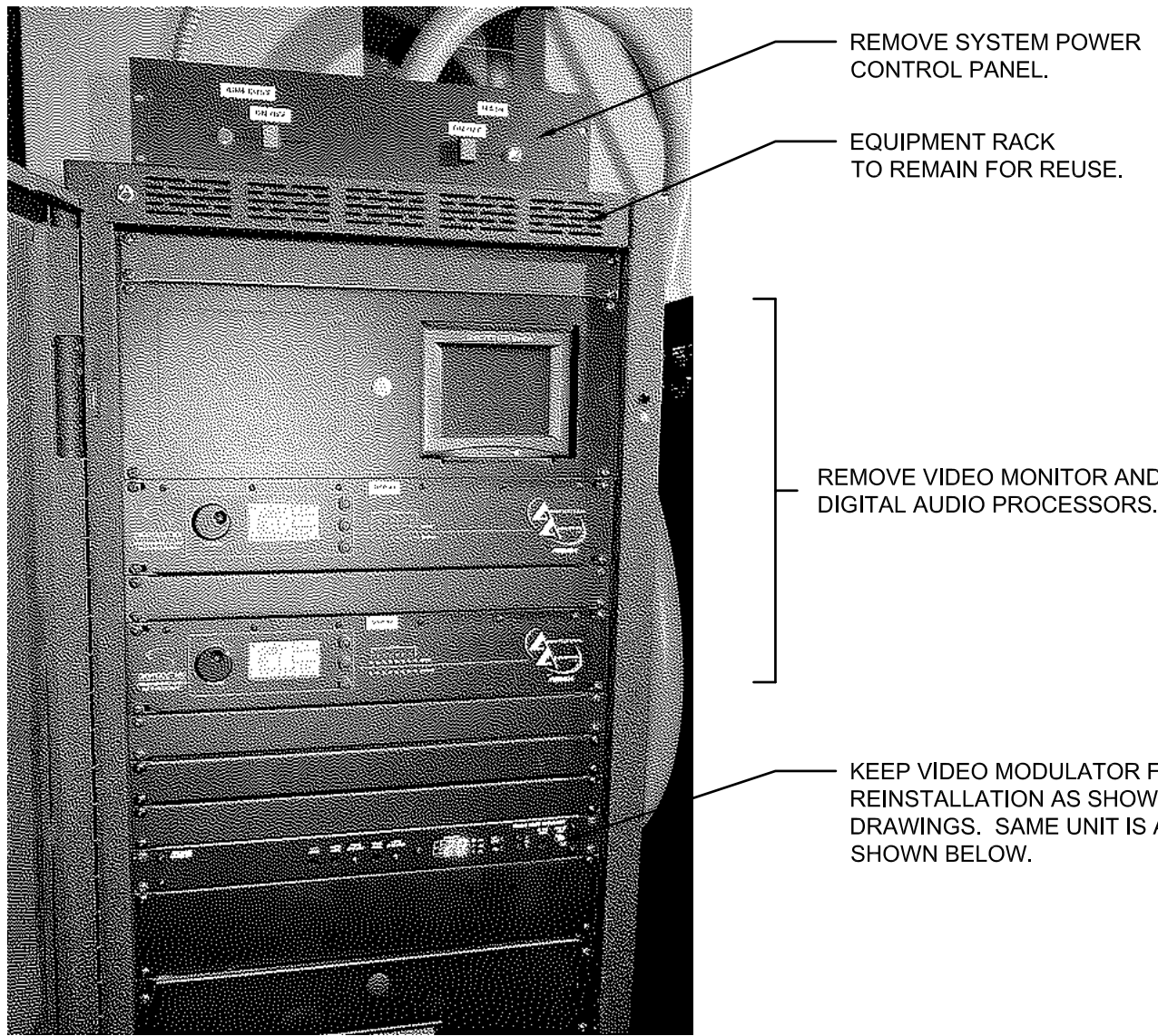


1/2" = 1'-0"



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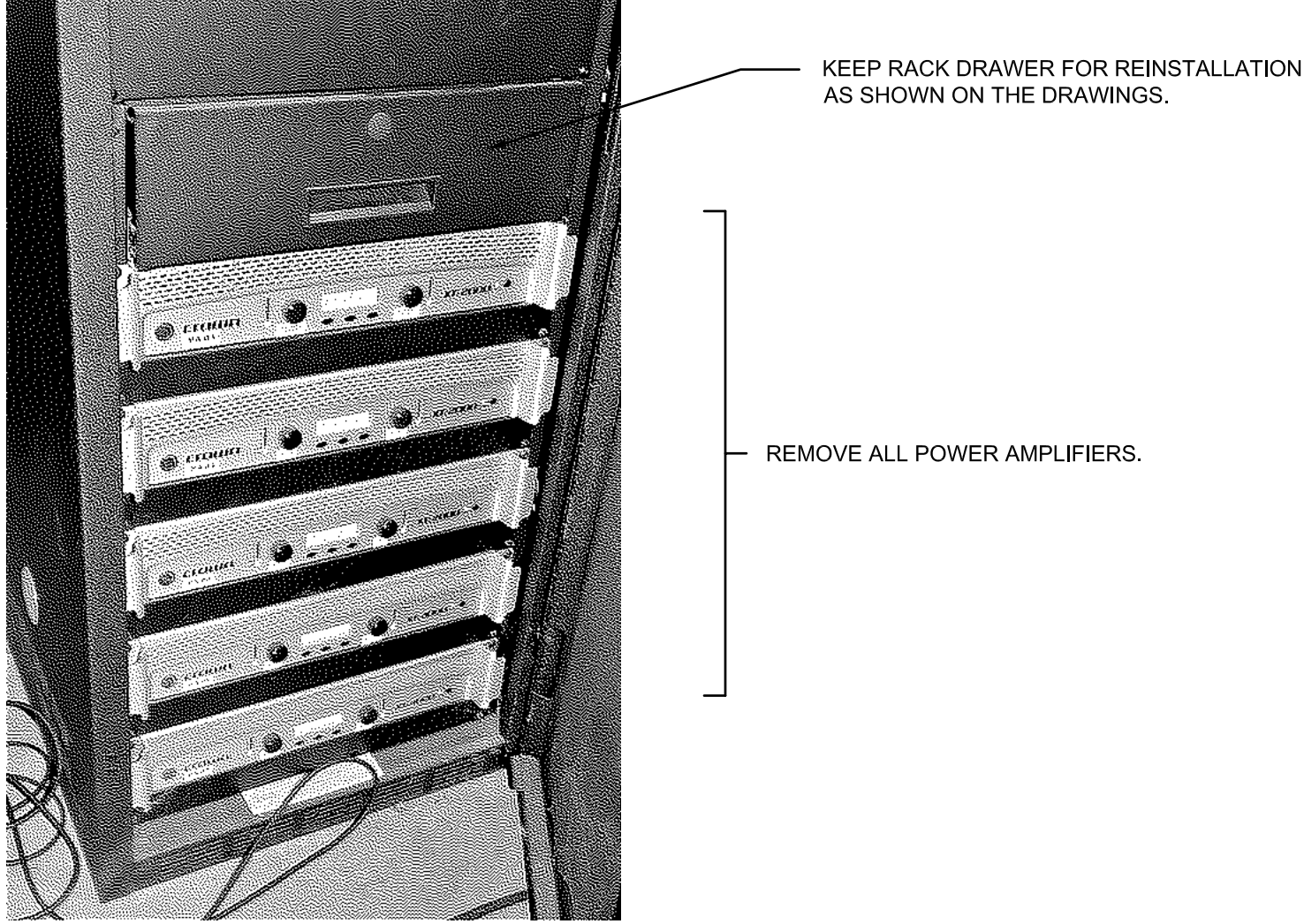
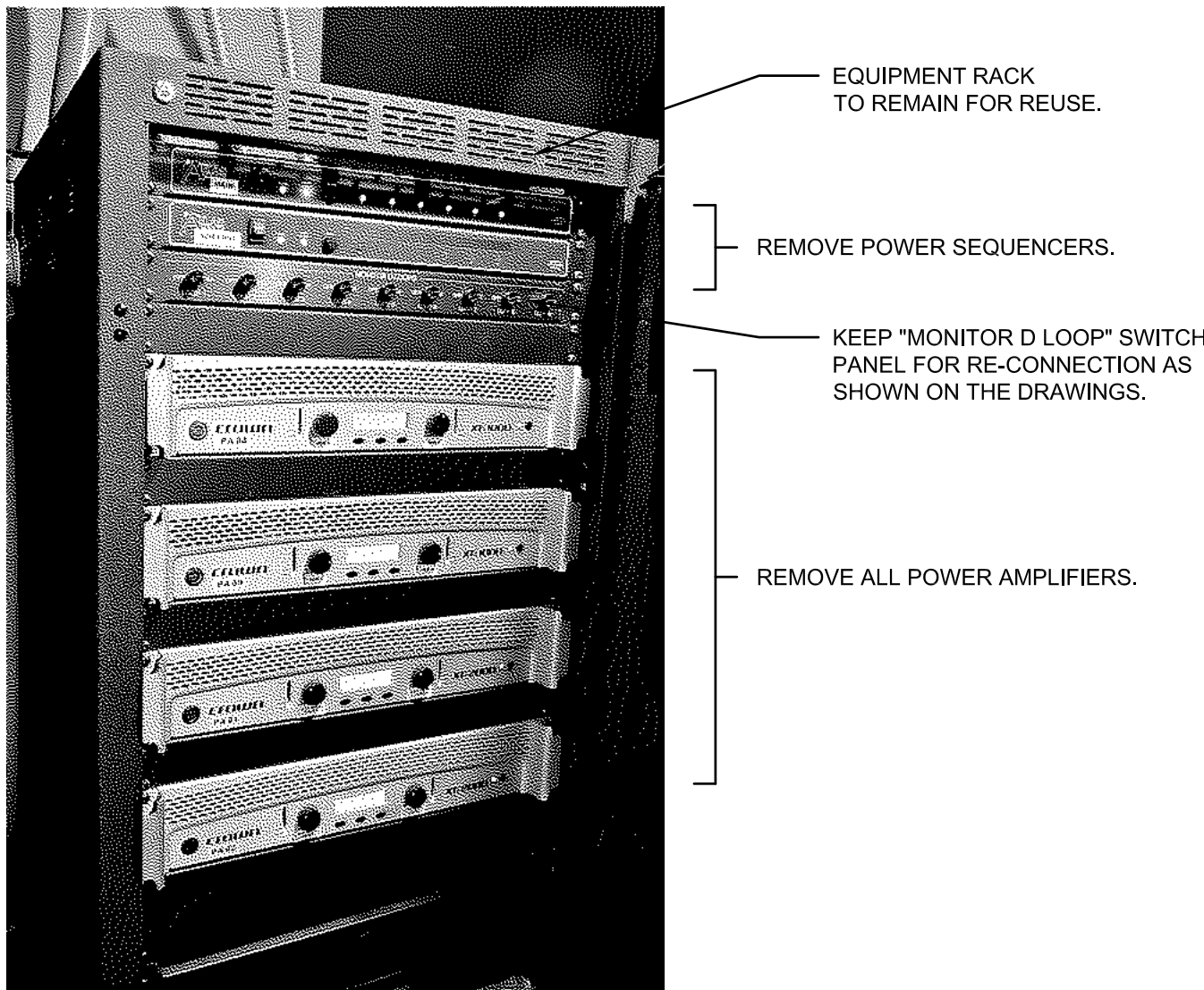
REMOVE EXISTING SEQUENCED MODULAR POWER OUTLETS IN REAR OF RACK (ATLAS). EXISTING AC POWER CIRCUITS TO REMAIN AS NECESSARY FOR REUSE WITH NEW AC POWER DISTRIBUTION EQUIPMENT.



2 EXISTING MAIN EQUIPMENT RACK #1 DEMO DETAIL

Not to scale

REMOVE EXISTING SEQUENCED MODULAR POWER OUTLETS IN REAR OF RACK (ATLAS). EXISTING AC POWER CIRCUITS TO REMAIN AS NECESSARY FOR REUSE WITH NEW AC POWER DISTRIBUTION EQUIPMENT.

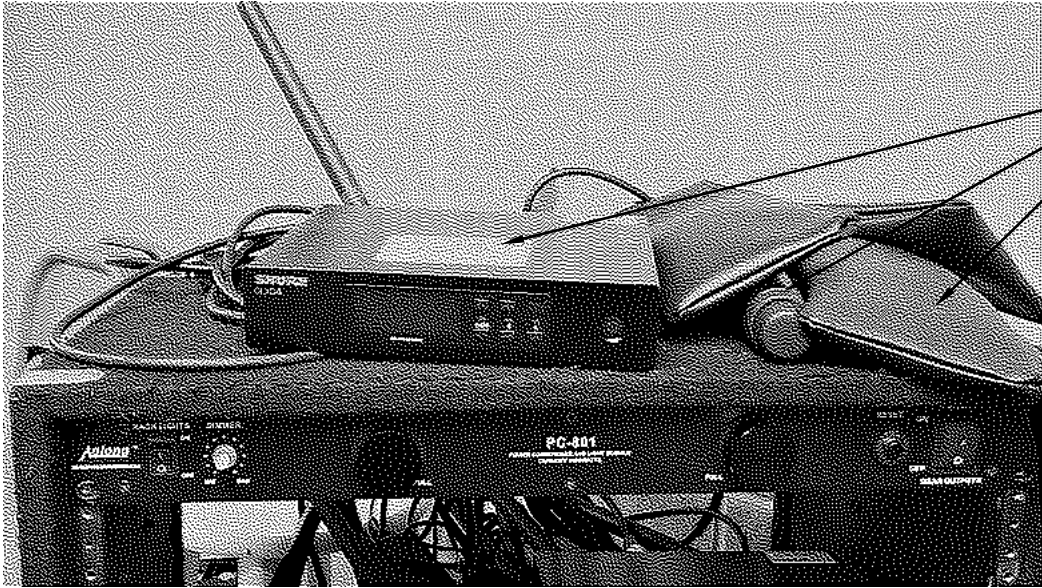


3 EXISTING MAIN EQUIPMENT RACK #2 DEMO DETAIL

Not to scale

GENERAL DEMOLITION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.



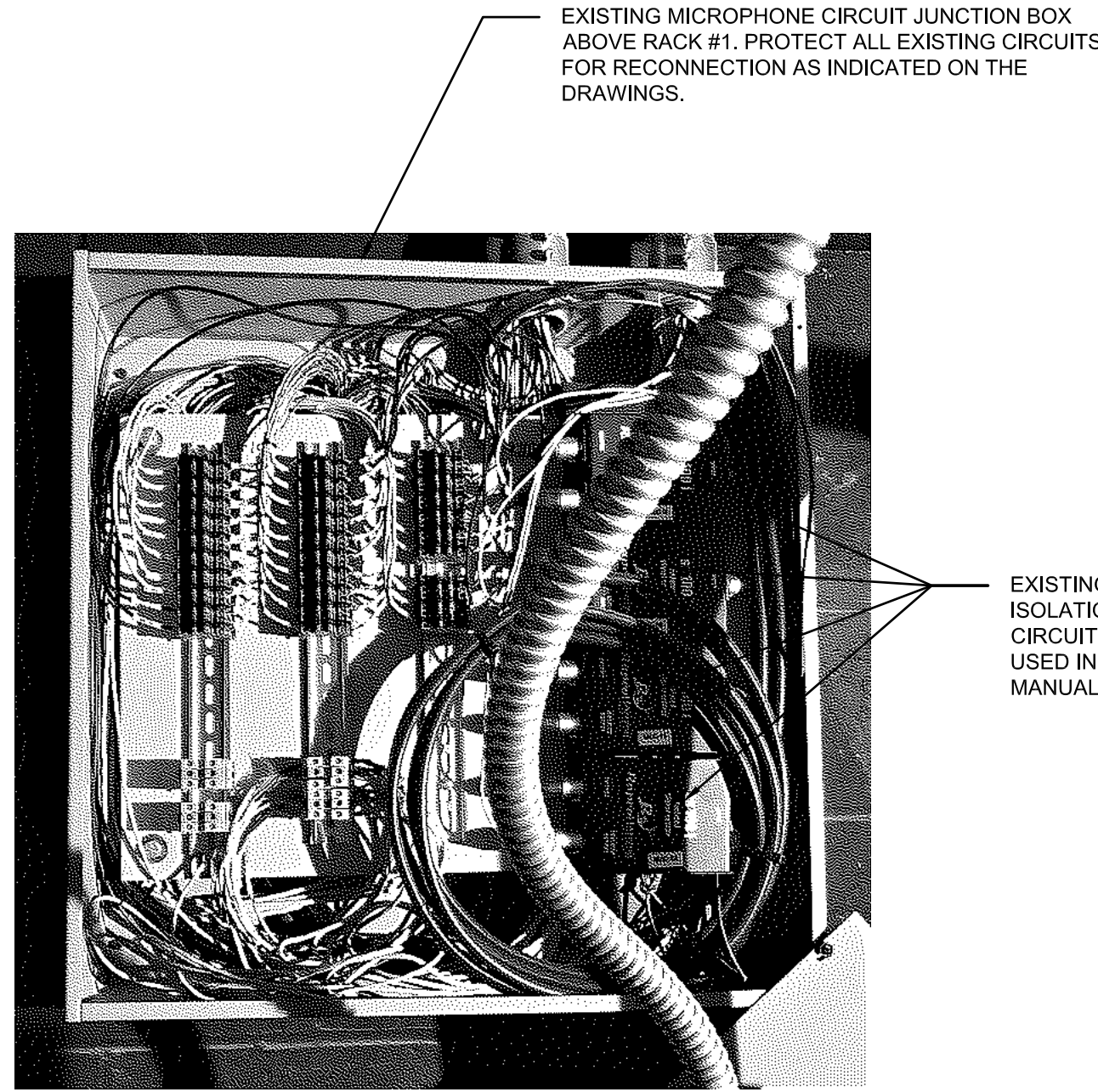
4 EXISTING PORTABLE WIRELESS RACK DEMO DETAIL

Not to scale



1 AUDITORIUM CATWALK EQUIPMENT DEMO DETAIL

Not to scale



5 EXISTING JUNCTION BOX DEMO DETAIL

Not to scale

BID DOCUMENTS

DATE:  
● 03/05/2021

REVISED DATE:  
● ● ● ●

NORTHWEST AUDITORIUM

SHAWNEE MISSION USD  
AV UPGRADES 2021

Indian Hills, MO, Northwest HS, East HS, West HS  
Shawnee Mission School District

12701 W 67th St, Shawnee, KS 66216

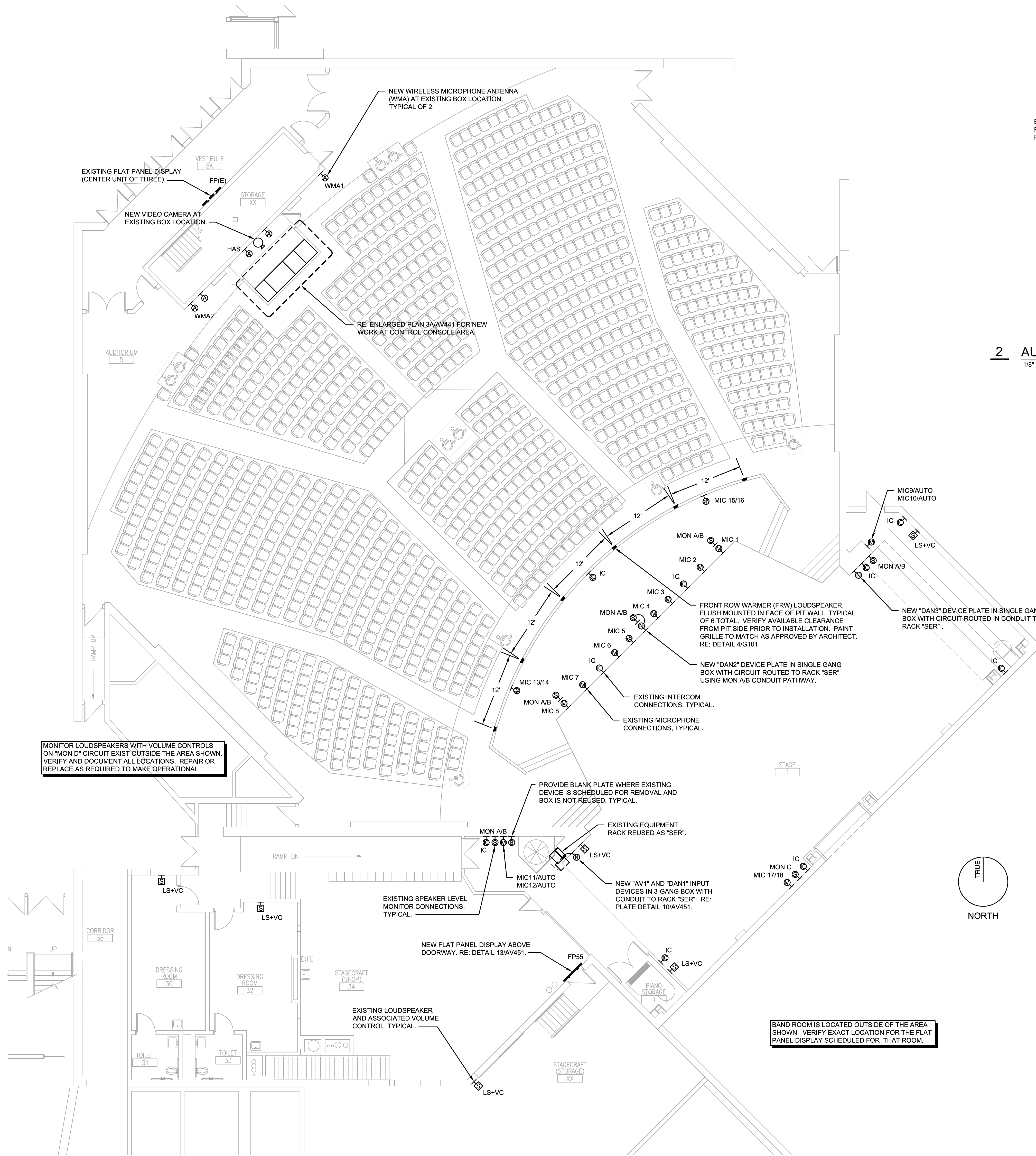
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● DEMO DETAILS

HTK PROJECT NUMBER:  
● 1707.05-004

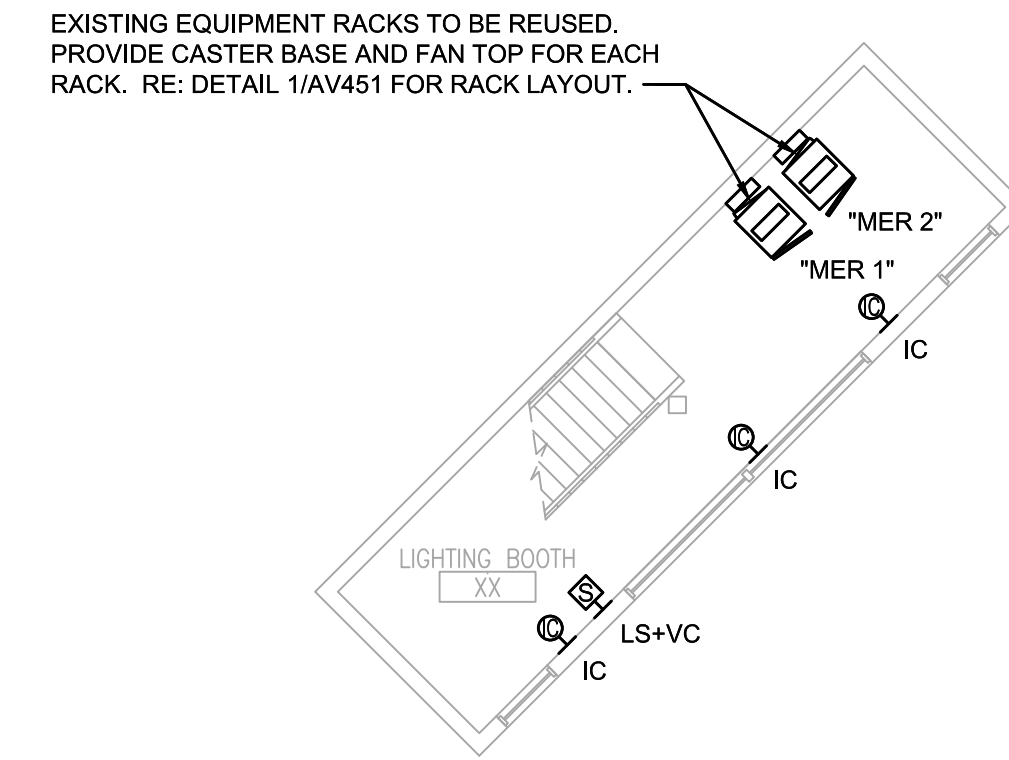
SHEET NUMBER:

AV402





1 AUDITORIUM FLOOR PLAN  
1/8" = 1'-0"



2 AUDITORIUM LIGHTING BOOTH FLOOR PLAN  
1/8" = 1'-0"

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.
4. NON-RACK-MOUNTED EQUIPMENT AND COMPONENTS TO BE REUSED SHOULD BE STORED IN LOCATION DESIGNATED BY OWNER.

BID DOCUMENTS

DATE:  
03/05/2021

REVISED DATE:

NORTHWEST AUDITORIUM

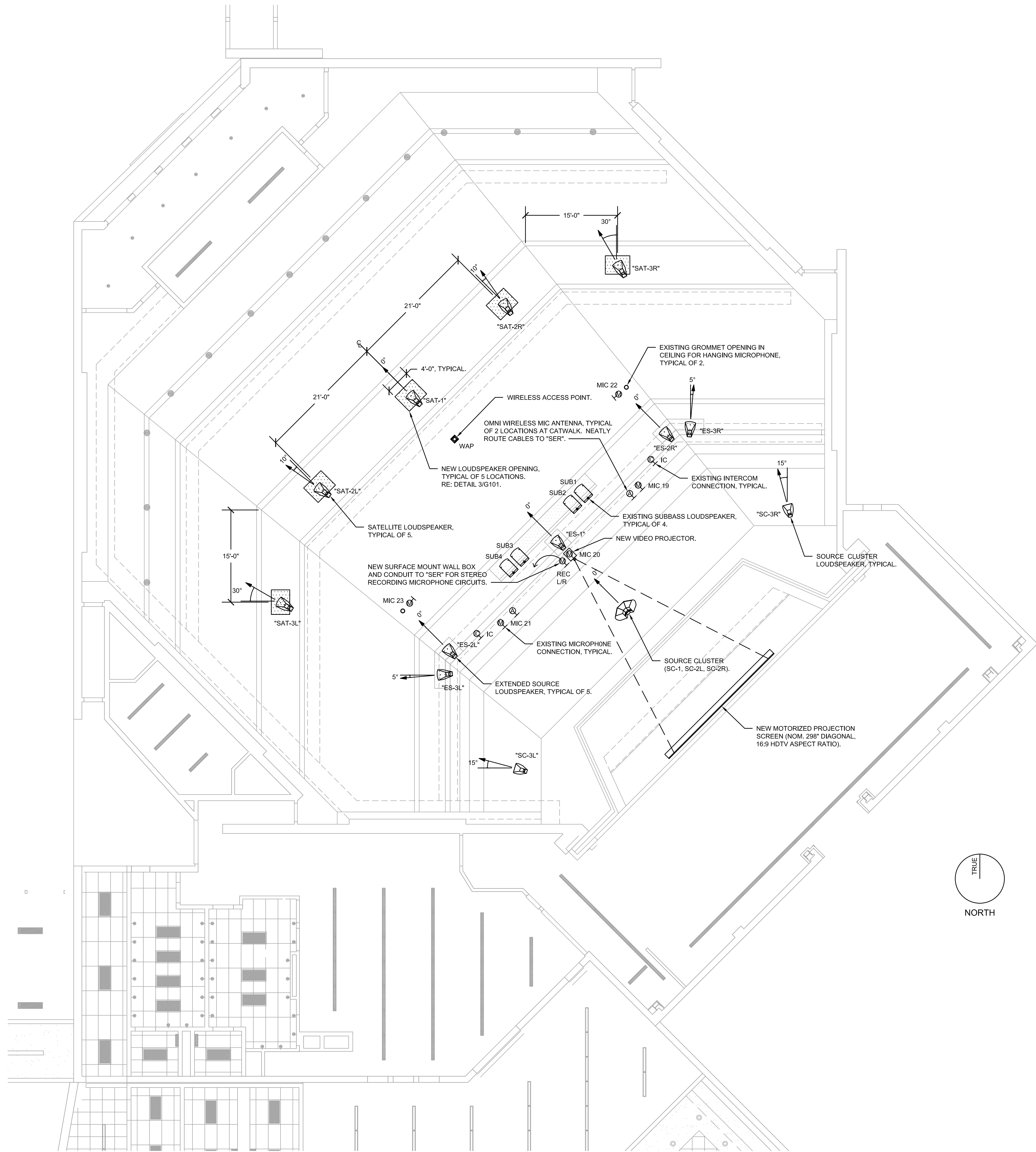
SHAWNEE MISSION USD  
AV UPGRADES 2021

SHEET CONTENTS:  
FLOOR PLANS

HTK PROJECT NUMBER:  
1707.05-004

SHEET NUMBER:

AV411



1 AUDITORIUM REFLECTED CEILING/CATWALK PLAN

1/8" = 1'-0"

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.
4. NON-RACK-MOUNTED EQUIPMENT AND COMPONENTS TO BE REUSED SHOULD BE STORED IN LOCATION DESIGNATED BY OWNER.

LOUDSPEAKER ORIENTATION SCHEDULE

LOUDSPEAKER DESIGNATOR	COVERAGE PATTERN HOR .X VERT.	ROLL ROTATION (DEGREES)	HORIZONTAL ROTATION (DEGREES)	VERTICAL TILT-DOWN (DEGREES)
SC-1	60 X 45	NOTE 6	0	35
SC-2L	60 X 45	NOTE 6	NOTE 7	NOTE 8
SC-2R	60 X 45	NOTE 6	NOTE 7	NOTE 8
SC-3L	60 X 45	NOTE 6	SEE PLAN	40
SC-3R	60 X 45	NOTE 6	SEE PLAN	40
ES-1	60 X 45	0	0	25
ES-2L	60 X 45	0	0	25
ES-2R	60 X 45	0	0	25
ES-3L	60 X 45	0	SEE PLAN	30
ES-3R	60 X 45	0	SE PLAN	30
SAT-1	60 X 45	0	0	35
SAT-2L	60 X 45	0	10L	35
SAT-2R	60 X 45	0	10R	35
SAT-3L	60 X 45	0	SEE PLAN	40
SAT-3R	60 X 45	0	SEE PLAN	40

TO ORIENT LOUDSPEAKERS

1. VIEW ALL LOUDSPEAKERS FROM THE REAR.
2. ROLL LOUDSPEAKER TO SCHEDULED ANGLE CLOCKWISE (CW) OR COUNTERCLOCKWISE (CCW).
3. ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE.
4. TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL.
5. EXCEPT AS OTHERWISE NOTE, LINES PARALLEL TO THE CENTER LINE OF THE AUDITORIUM EQUAL 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS.
6. ROTATE ALL "SC" LOUDSPEAKER CABINETS 90 DEGREES FOR INSTALLATION. ROTATE ALL HIGH FREQUENCY TRANSDUCERS 90 DEGREES TO MAINTAIN COVERAGE PATTERN NOTED.
7. CENTER SOURCE CLUSTER (SC-1, SC-2L/R) TO BE ORIENTED AS ONE UNIT USING LOUDSPEAKER SC-1 AS REFERENCE.
8. FACING FRONT OF LOUDSPEAKER, ROTATE HIGH FREQUENCY TRANSDUCER 45 DEGREES CW FOR SC-2L, 45 DEGREES CCW FOR SC-2R.

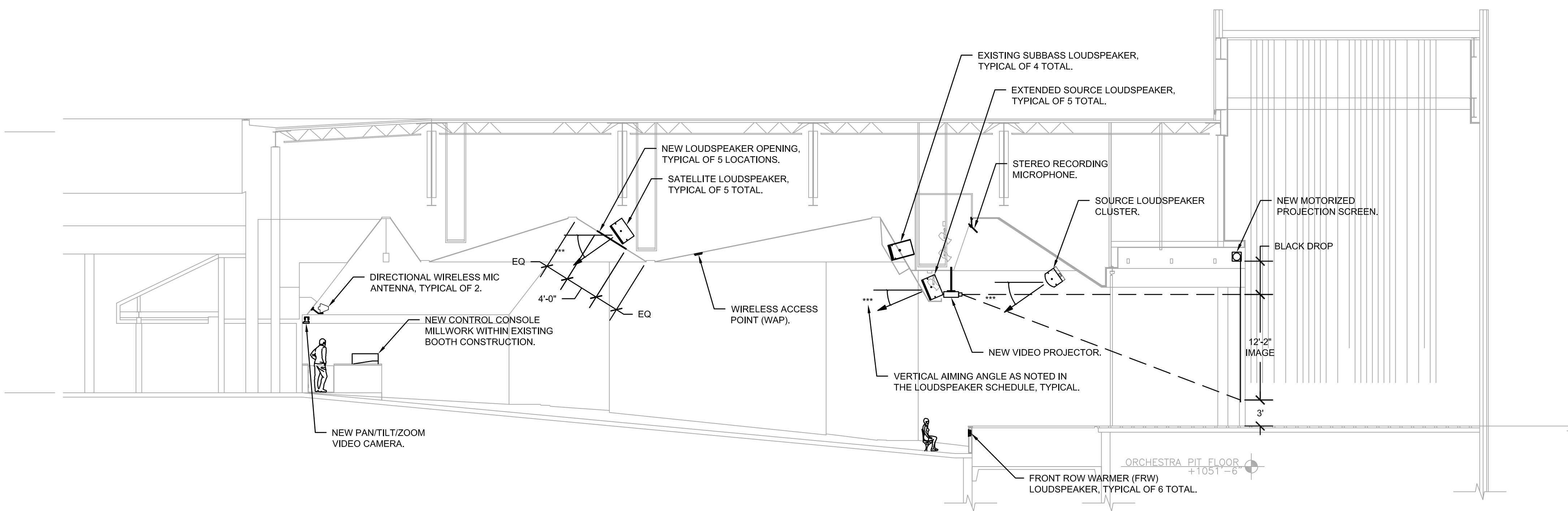
LOUDSPEAKER INSTALLATION NOTES

1. STRUCTURAL DETAILS, STRUCTURAL MEMBER TYPES, SIZES, AND ATTACHMENT METHODS ARE SHOWN FOR CONCEPT ONLY. ATTENTION IS CALLED TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING APPROVAL OF THE EXACT DETAILS TO BE USED.
2. INSTALL LOUDSPEAKERS SO THERE ARE NO OBSTRUCTIONS TO EACH LOUDSPEAKER'S RATED COVERAGE PATTERN.
3. LOUDSPEAKERS ARE DRAWN TO APPROXIMATE DIMENSIONS. VERIFY EXACT DIMENSIONS REQUIRED FOR LOUDSPEAKERS FURNISHED.
4. PROVIDE ACCESS TO LOUDSPEAKERS DURING INSTALLATION, TESTING, AND EQUALIZATION ACTIVITIES. REORIENT LOUDSPEAKERS, IF SO REQUESTED BY ACOUSTICAL CONSULTANT, DURING SYSTEM TESTING AND EQUALIZATION ACTIVITIES.



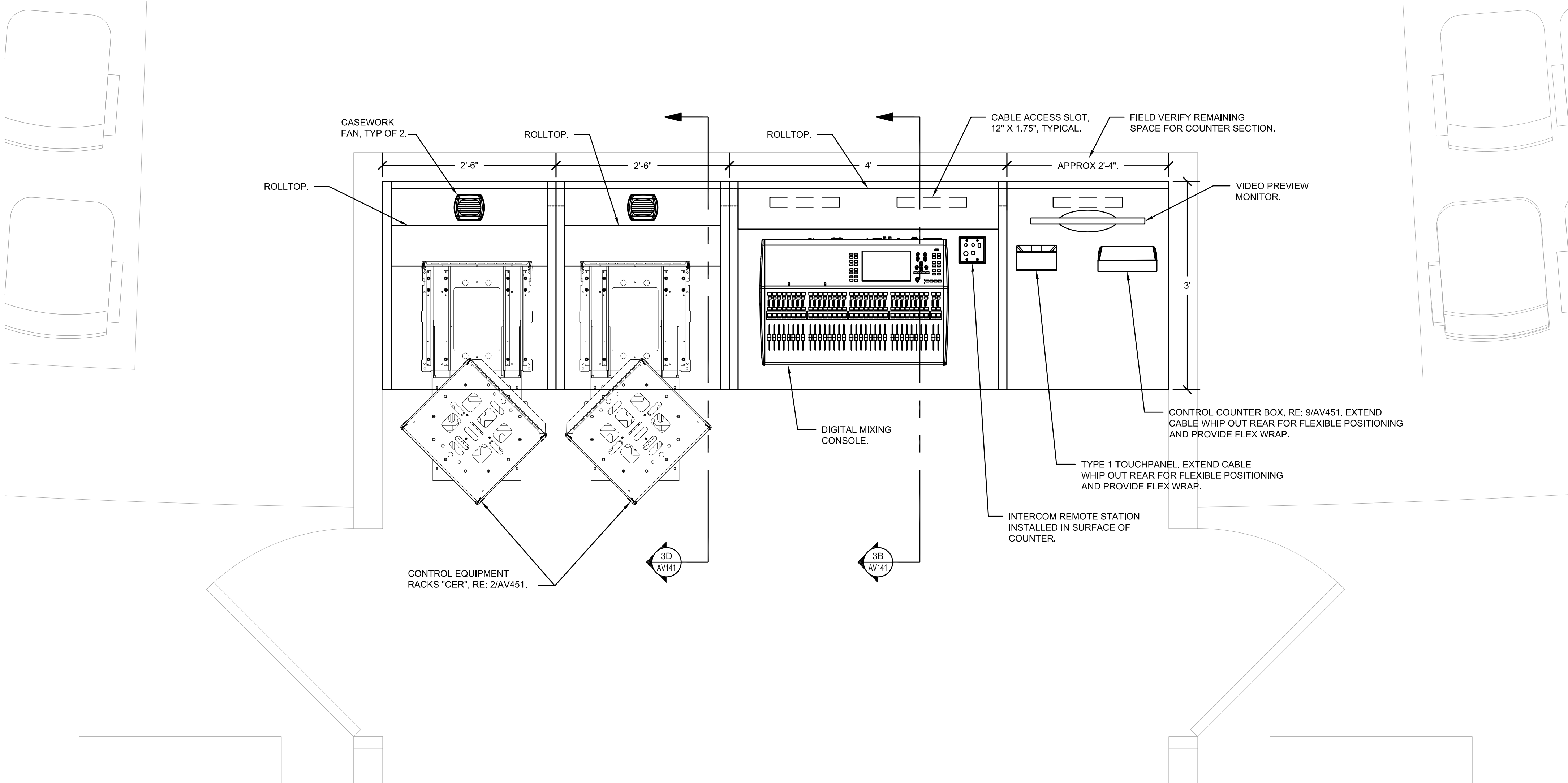
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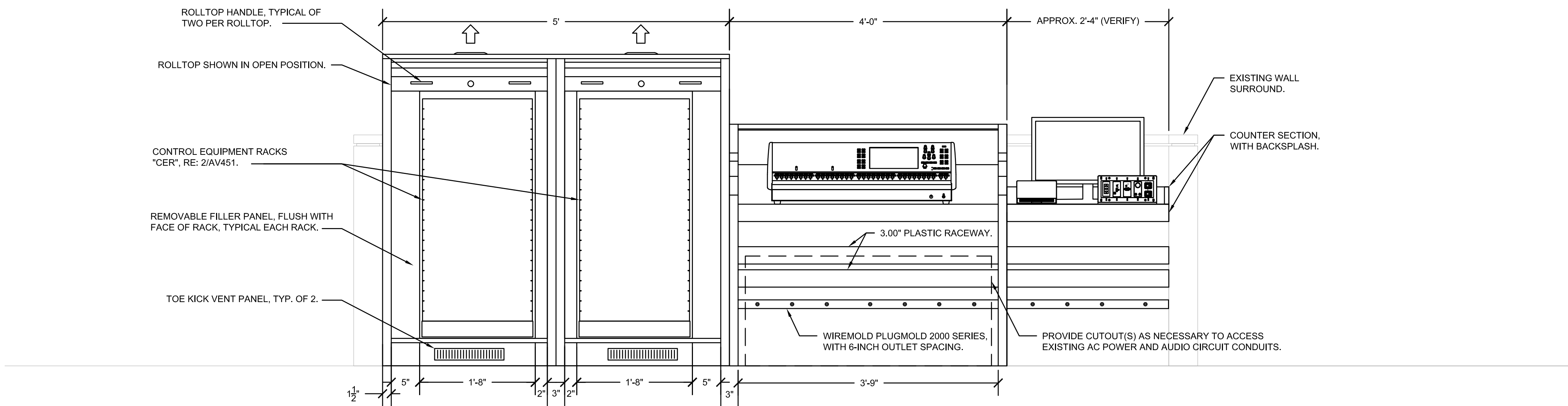
1 AUDITORIUM SECTION

1/8" = 1'-0"



3A CONTROL CONSOLE AREA PLAN

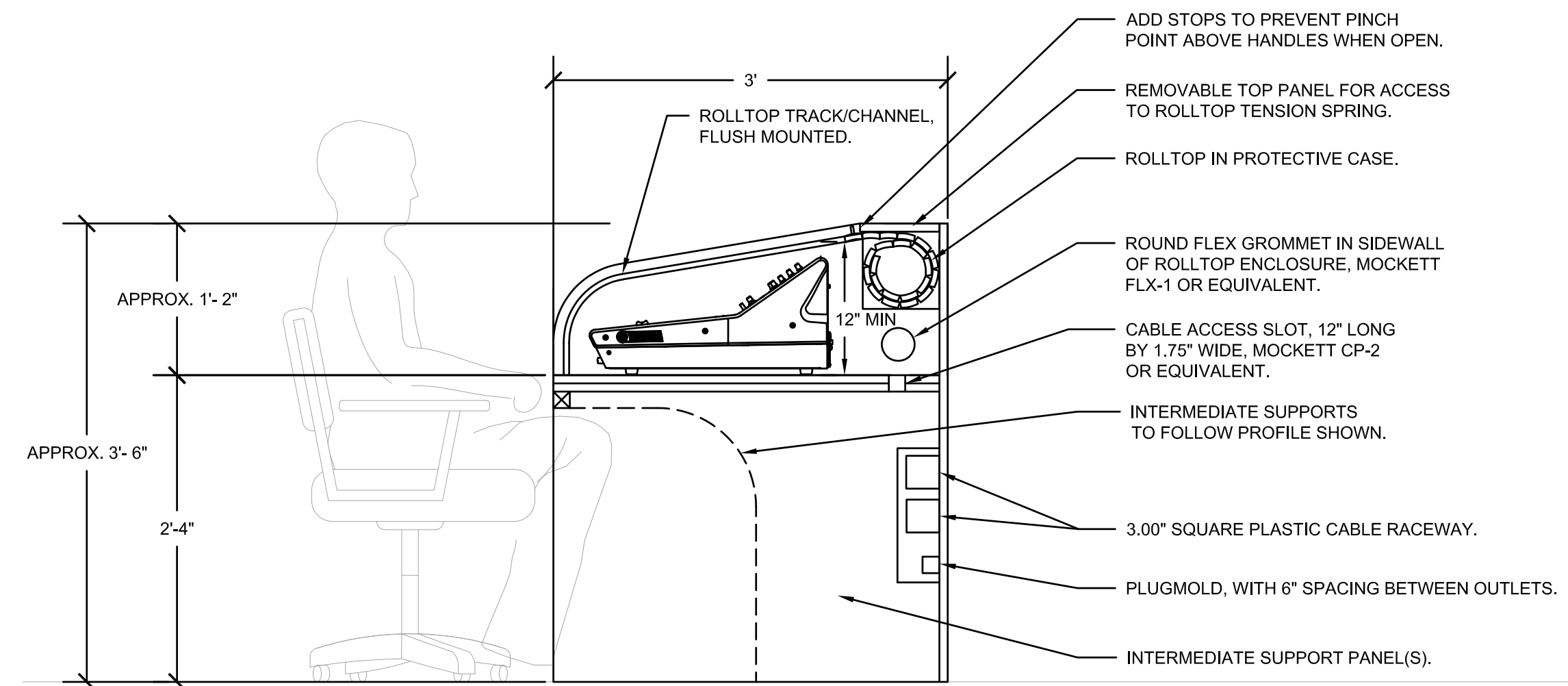
1" = 1'-0"



3C CONTROL CONSOLE AREA ELEVATION

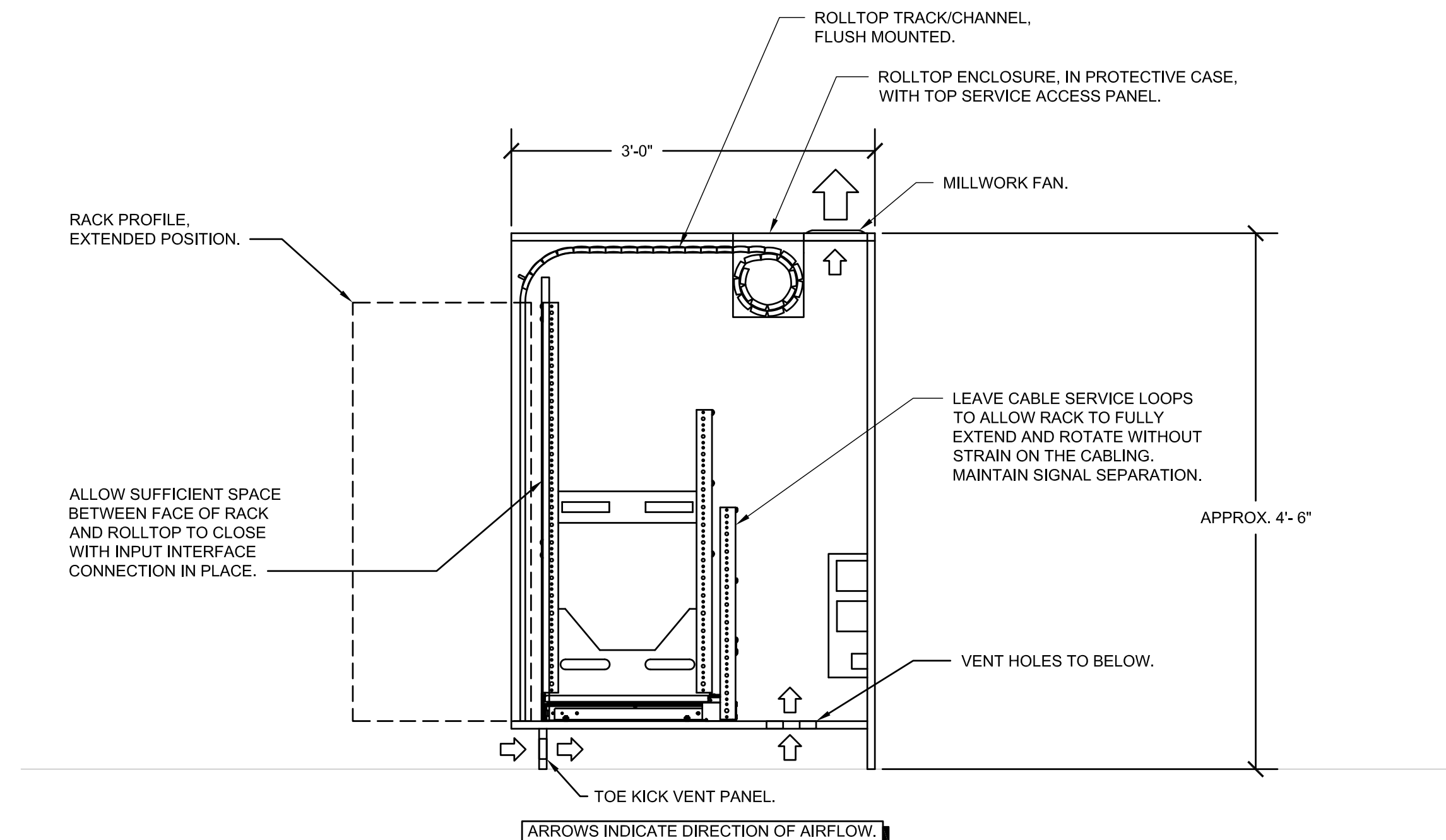
1" = 1'-0"

- GENERAL CONTROL CONSOLE NOTES
1. VERIFY EXISTING CONDITIONS AT THE CONTROL CONSOLE LOCATION PRIOR TO FABRICATION AND AS REQUIRED TO COORDINATE WITH BASIC CONSTRUCTION.
  2. ALL CONSOLE AND EQUIPMENT DIMENSIONS ARE SHOWN FOR CONCEPT ONLY. VERIFY DIMENSIONS AND MOUNTING REQUIREMENTS FOR ALL EQUIPMENT FURNISHED PRIOR TO CONTROL COUNTER FABRICATION.
  3. SUBMIT DETAILED SHOP DRAWINGS PRIOR CONTROL CONSOLE FABRICATION.
  4. UNLESS INDICATED OTHERWISE, THE CONSOLE MILLWORK SHALL COMPLY WITH THE ARCHITECTURAL WOODWORK INSTITUTE'S QUALITY STANDARDS SECTION 400, ARCHITECTURAL CABINETS, AND DIVISIONS 400B AND 400C, CUSTOM GRADE, FLUSH OVERLAY. CONSOLE SHALL BE 0.75" PLYWOOD OR MDF CONSTRUCTION, USING TWO 0.75" LAYERS FOR LOAD BEARING SPANS, WITH HIGH PRESSURE DECORATIVE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, INCLUDING ALL SHELVES AND INTERIOR VISIBLE SURFACES. PLASTIC LAMINATE SHALL BE GP-50 FOR HORIZONTAL SURFACES, INCLUDING COUNTERTOPS, AND GP-26 FOR VERTICAL SURFACES AND EDGES. LAMINATE SELECTION SHALL BE MADE BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS AND FINISHES, PATTERNS SERIES. INSTALLATION TO COMPLY WITH AWI SECTION 1700, INSTALLATION, FOR SAME GRADE SPECIFIED ABOVE.
  5. ROLLTOP CONSTRUCTION SHALL BE EXTRUDED ALUMINUM SLATS, DOUBLE WALL CONSTRUCTION, WITH ANODIZED COLOR AS SELECTED BY THE ARCHITECT. ALL ROLLTOPS SHALL HAVE A PROTECTIVE CASE, WITH KEYED LOCK WITH BARS, TWO PULL HANDLES, AND BLACK STOPS. ASSEMBLIES SHALL BE SPRING ASSISTED, PROPERLY ADJUST TENSION PRIOR TO INSTALLATION.



3B CONTROL CONSOLE SIDE ELEVATION

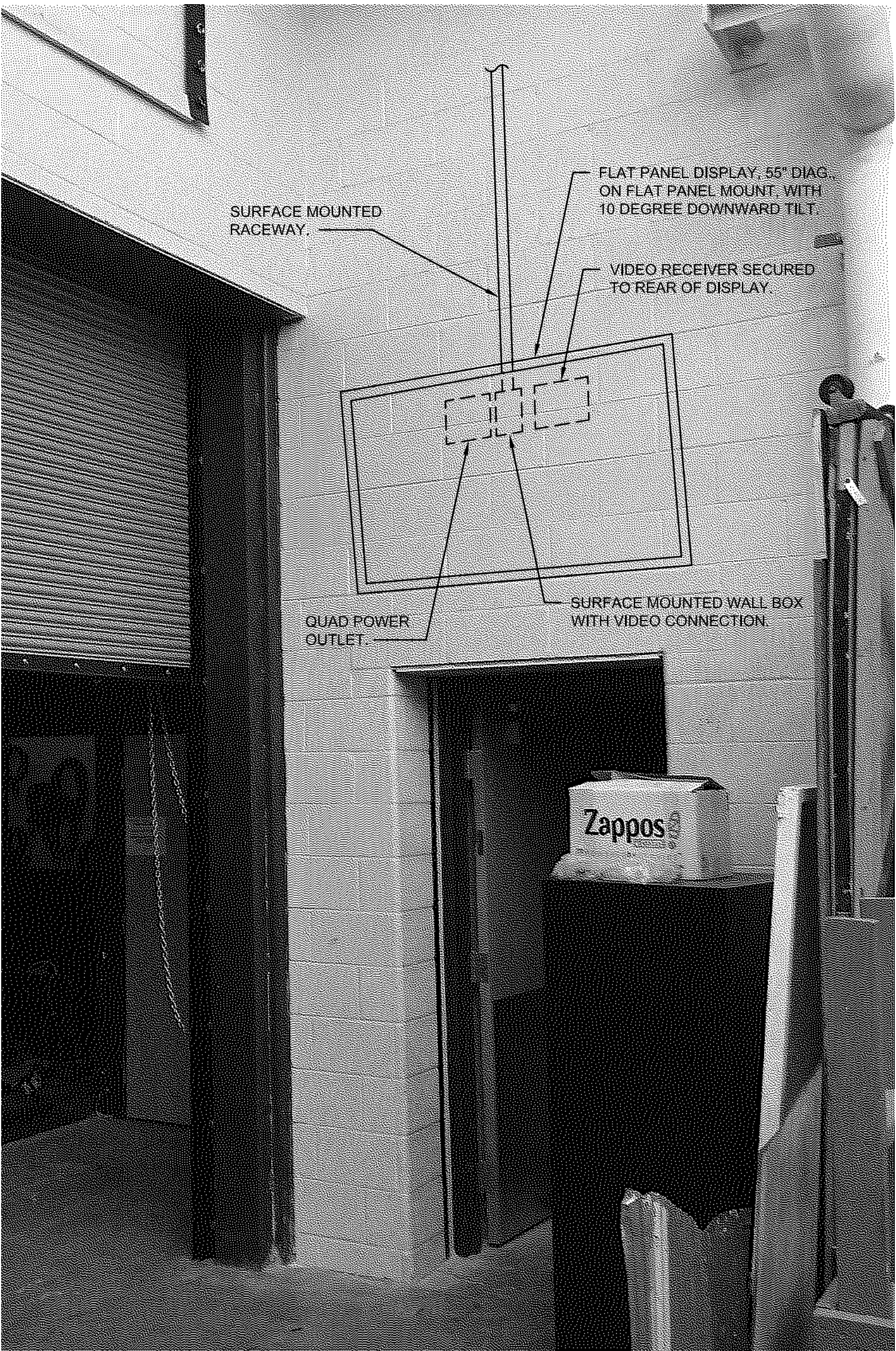
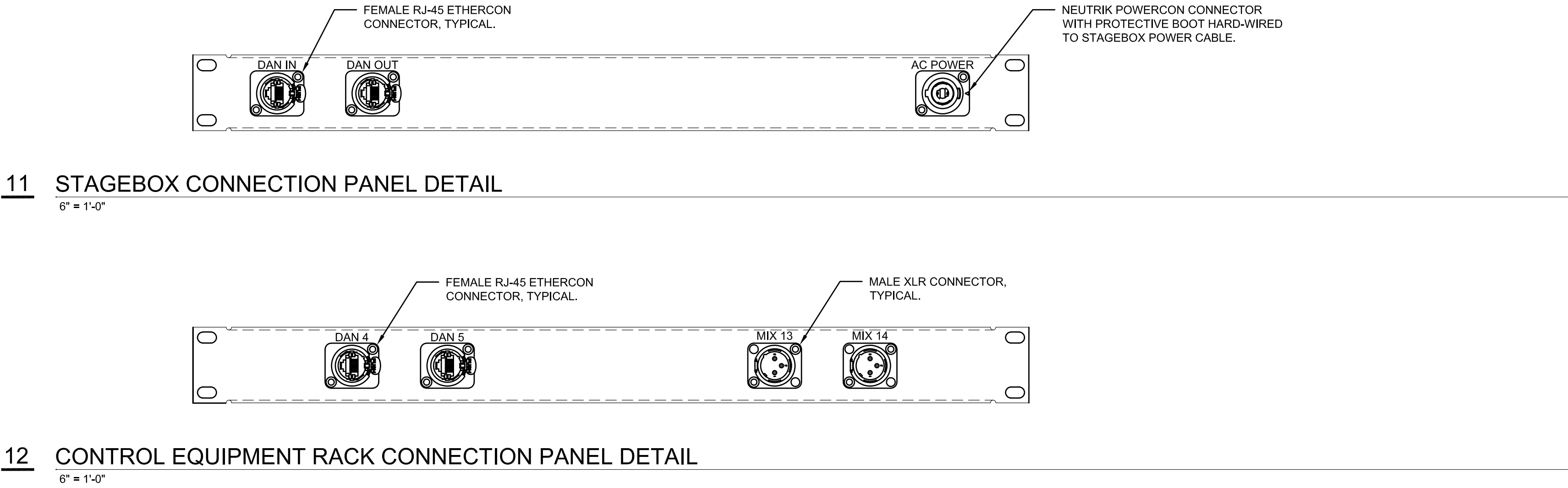
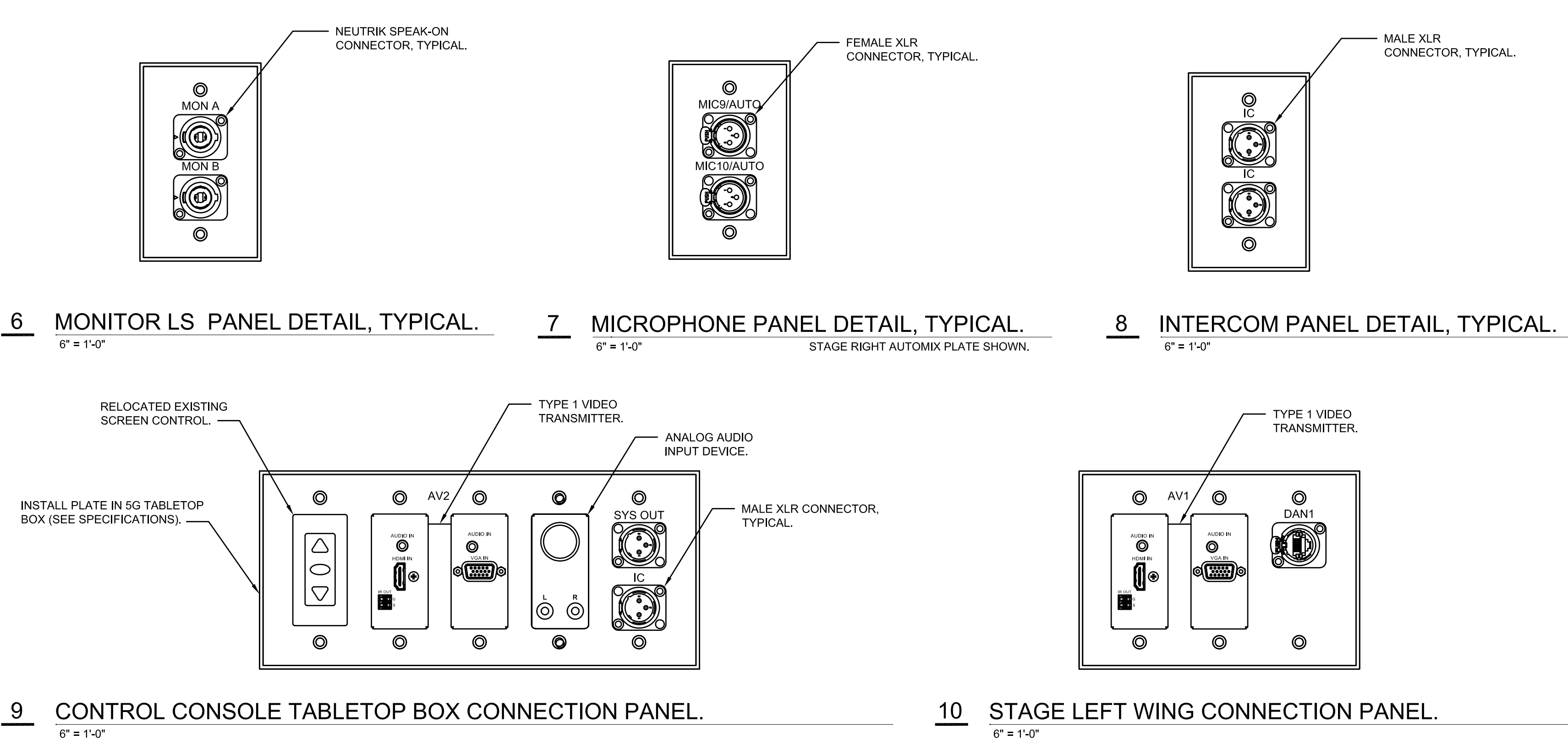
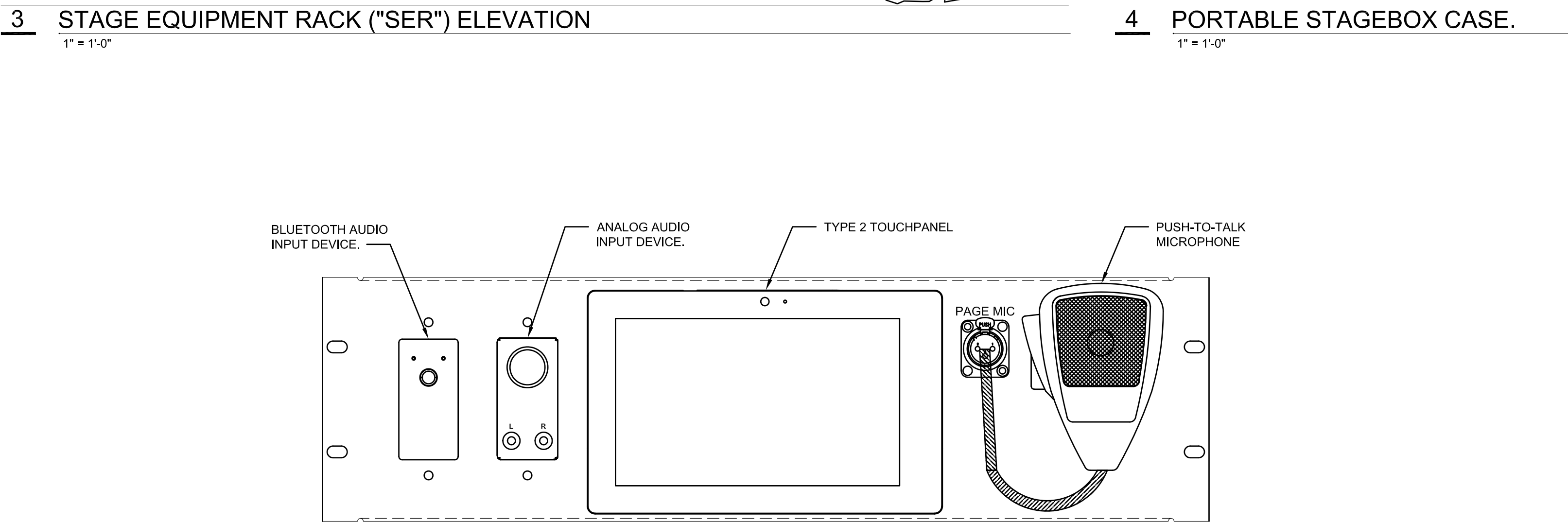
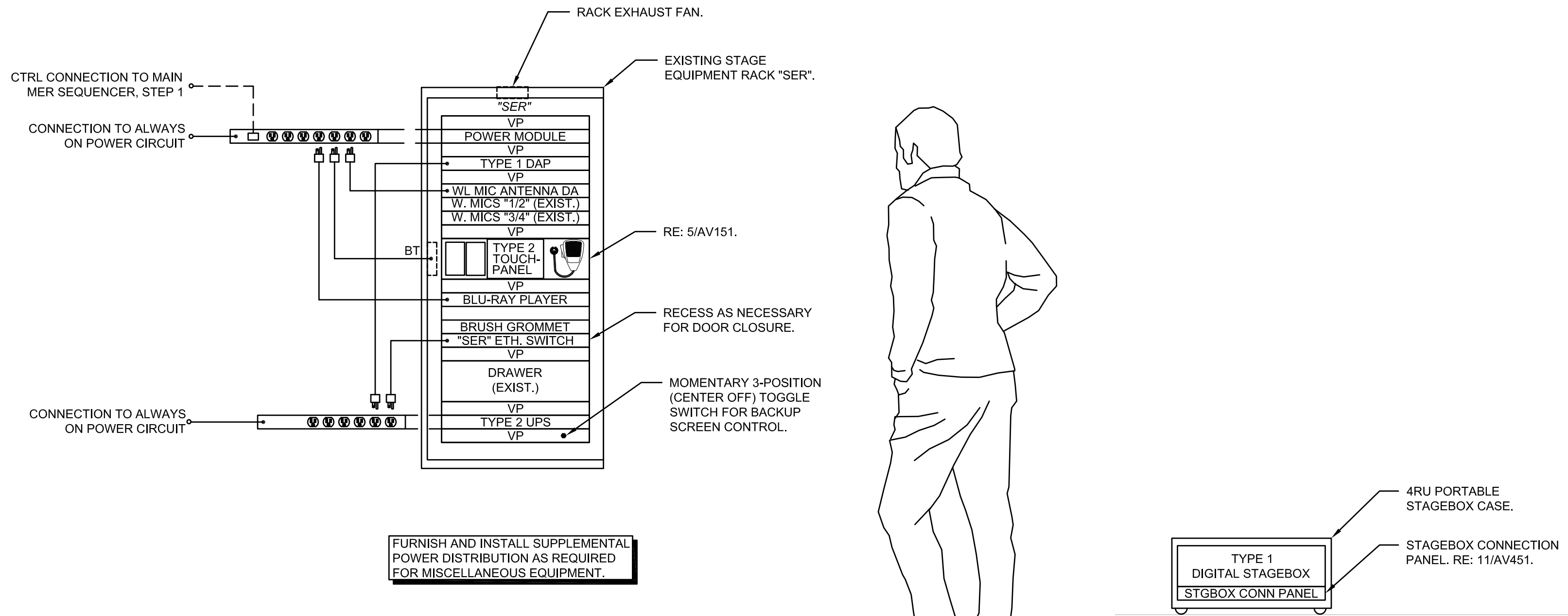
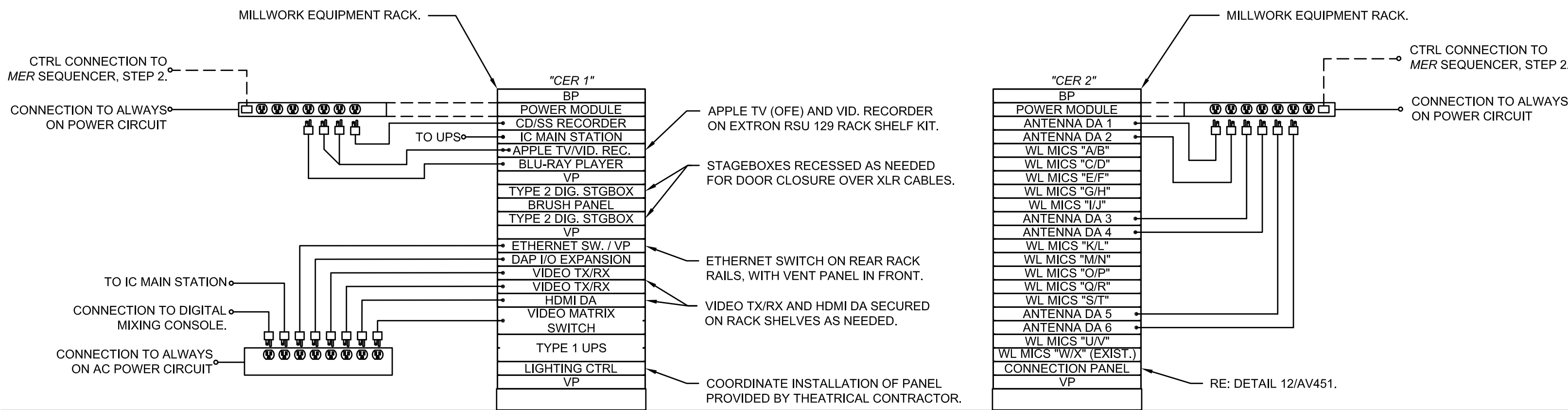
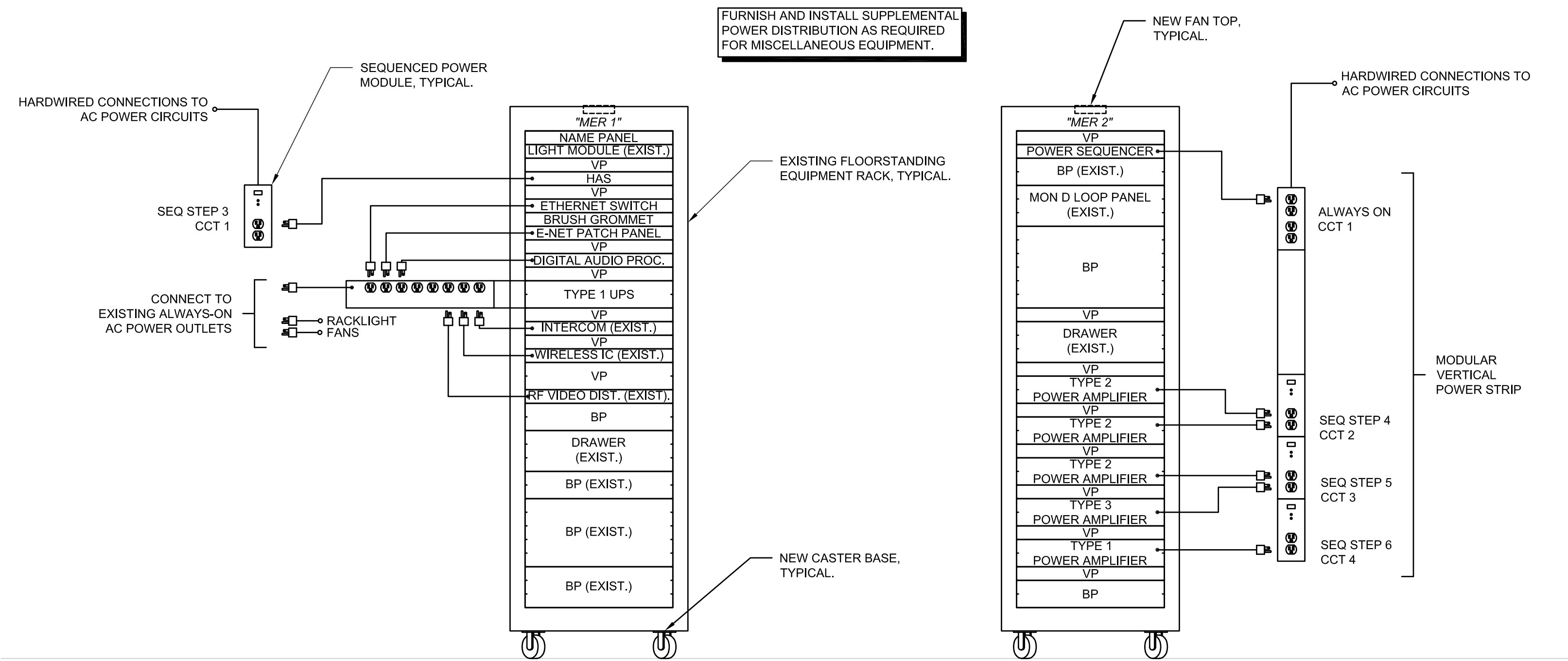
1" = 1'-0"



3D CONTROL EQUIPMENT RACK SIDE ELEVATION

1" = 1'-0"





**13 STAGECRAFT (SHOP) FLAT PANEL DISPLAY DETAIL**  
Not to scale.

EXISTING CONNECTION PANEL NOTES

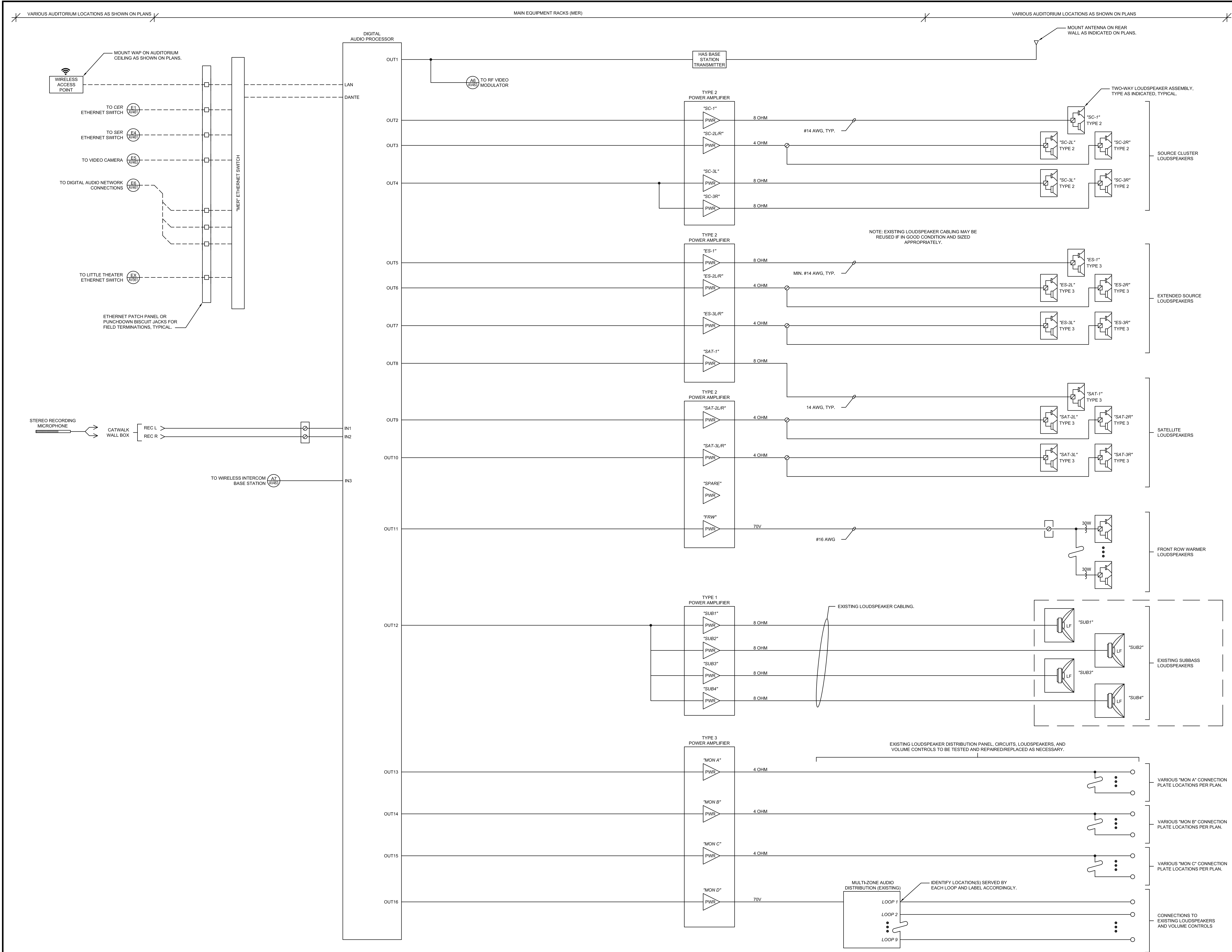
1. REPLACE ALL EXISTING MICROPHONE, INTERCOM, AND MONITOR LOUDSPEAKER CONNECTION PLATES WHICH ARE DAMAGED OR UNLABELED WITH NEW LABELED CONNECTION PLATES WHICH MEET SPECIFICATION REQUIREMENTS.

GENERAL CONNECTION PANEL NOTES

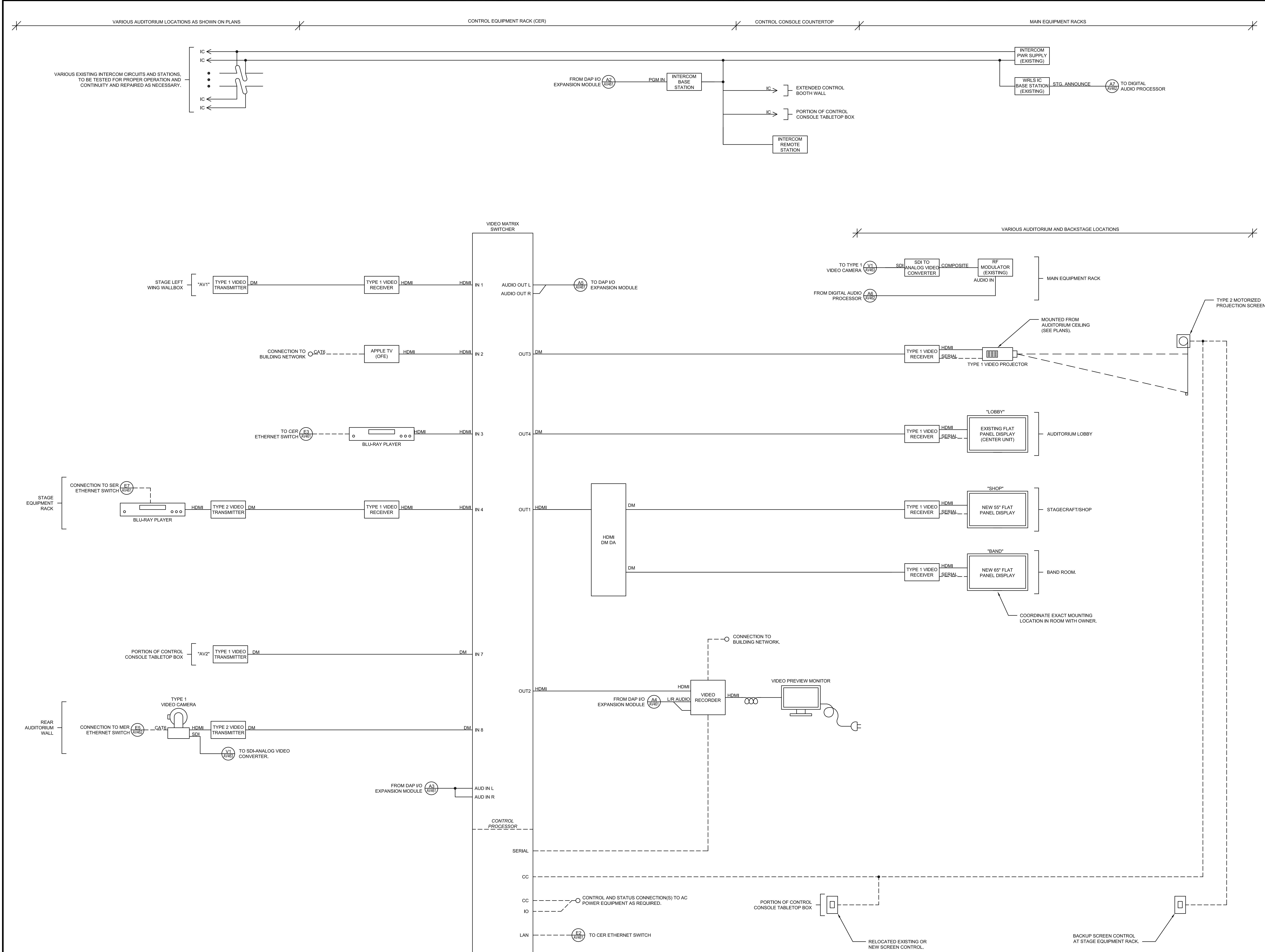
1. UNLESS NOTED OTHERWISE, STANDARD GANG CONNECTION PANELS SHALL BE SIERRA STAINLESS STEEL WALL PLATES, OR COLOR AS SELECTED BY ARCHITECT.
2. ALL CONNECTION PANELS SHALL HAVE COUNTERSUNK SCREW HOLES AND PHILLIPS COUNTERSUNK OR OVAL-HEAD SCREWS FINISHED TO MATCH PANEL. ALL LETTERING SHALL BE ENGRAVED AND FILLED DIRECTLY ON THE PANEL, REGARDLESS OF PANEL COLOR. ALL PANEL MOUNTED CONNECTORS SHOULD MATCH THE FINISH COLOR OF THE PANEL WHEREVER POSSIBLE.
3. ALL STANDARD SIZED RACK PANELS USED TO MOUNT CONTROLS OR CONNECTORS SHALL HAVE FORMED EDGES, WITH ALL LETTERING ENGRAVED AND FILLED DIRECTLY ON THE PANEL.
4. VERIFY ALL DIMENSIONS AND SPACING FOR PANEL-MOUNTED COMPONENTS AND ENGRAVING. UNLESS NOTED OTHERWISE, ENGRAVED TEXT SHALL BE 3/16" HIGH. SPACING BETWEEN PANEL-MOUNTED COMPONENTS SHALL BE SUFFICIENT TO ENABLE FRONT CABLE CONNECTIONS TO BE MADE EASILY.
5. CONNECTION PANEL LAYOUTS SHALL BE ACCORDING TO FUNCTION WITH ALL CONNECTIONS OF ONE TYPE LOCATED TOGETHER. LABELS SHALL BE LOCATED ABOVE THE CORRESPONDING CONNECTOR OR COMPONENT.
6. SUBMIT A SHOP DRAWING FOR EACH CONNECTION PANEL WITH ALL CONNECTIONS, DEVICES, LABELS, COLORS AND SIZES CLEARLY INDICATED.





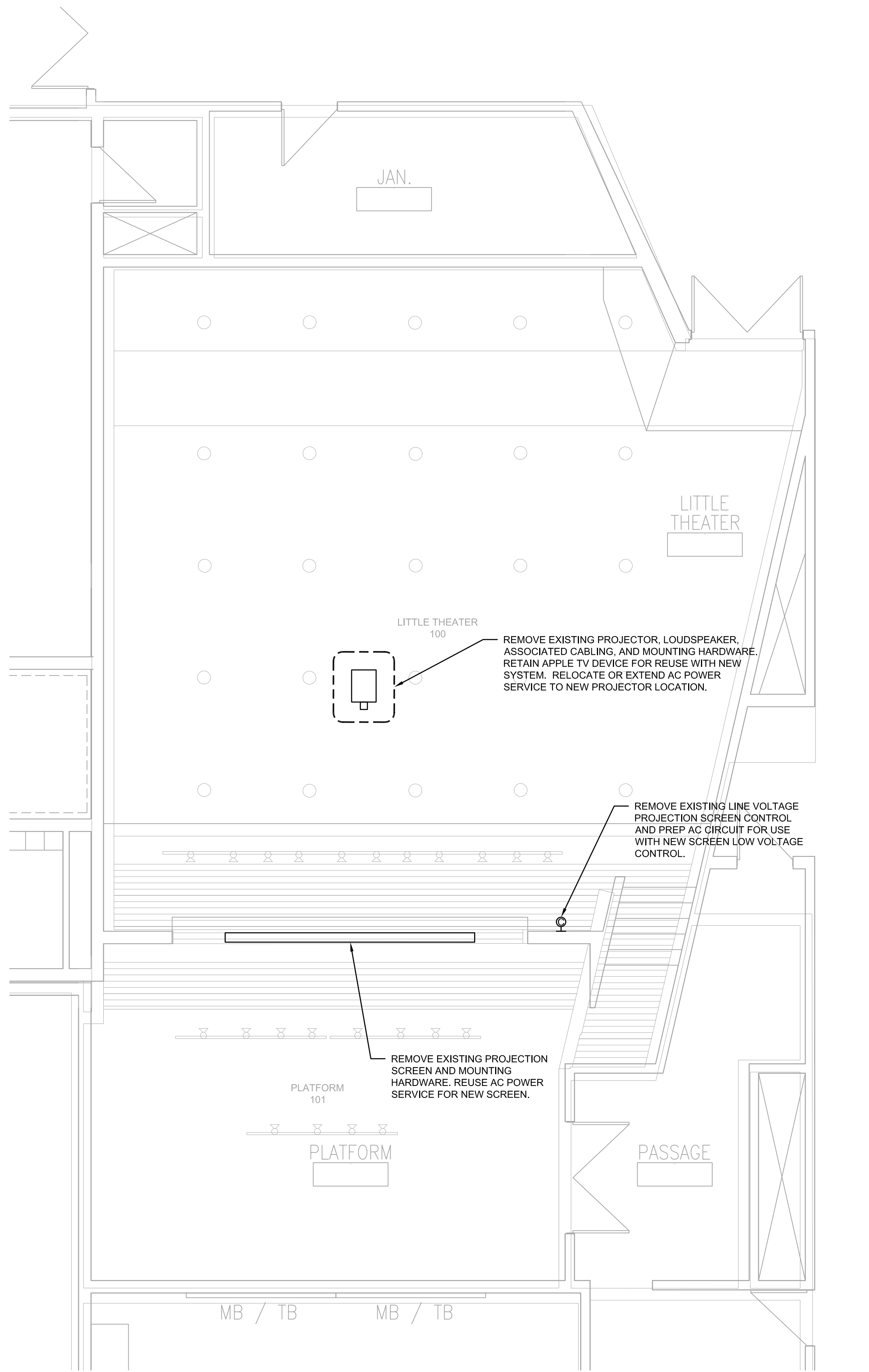








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1 LITTLE THEATER DEMO COMPOSITE PLAN



2 LITTLE THEATER DEMO DETAILS

GENERAL DEMOLITION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDATED, AND TURNED OVER TO THE FACILITY.
3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.

BID DOCUMENTS

DATE:

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NORTHWEST LITTLE THEATER

SHAWNEE MISSION USD  
AV UPGRADES 2021

Indian Hills, MS, Northwest HS, East HS, West HS

Shawnee Mission School District

12701 W 67th St, Shawnee, KS 66216

SHEET CONTENTS:

- DEMO PLAN & DETAILS

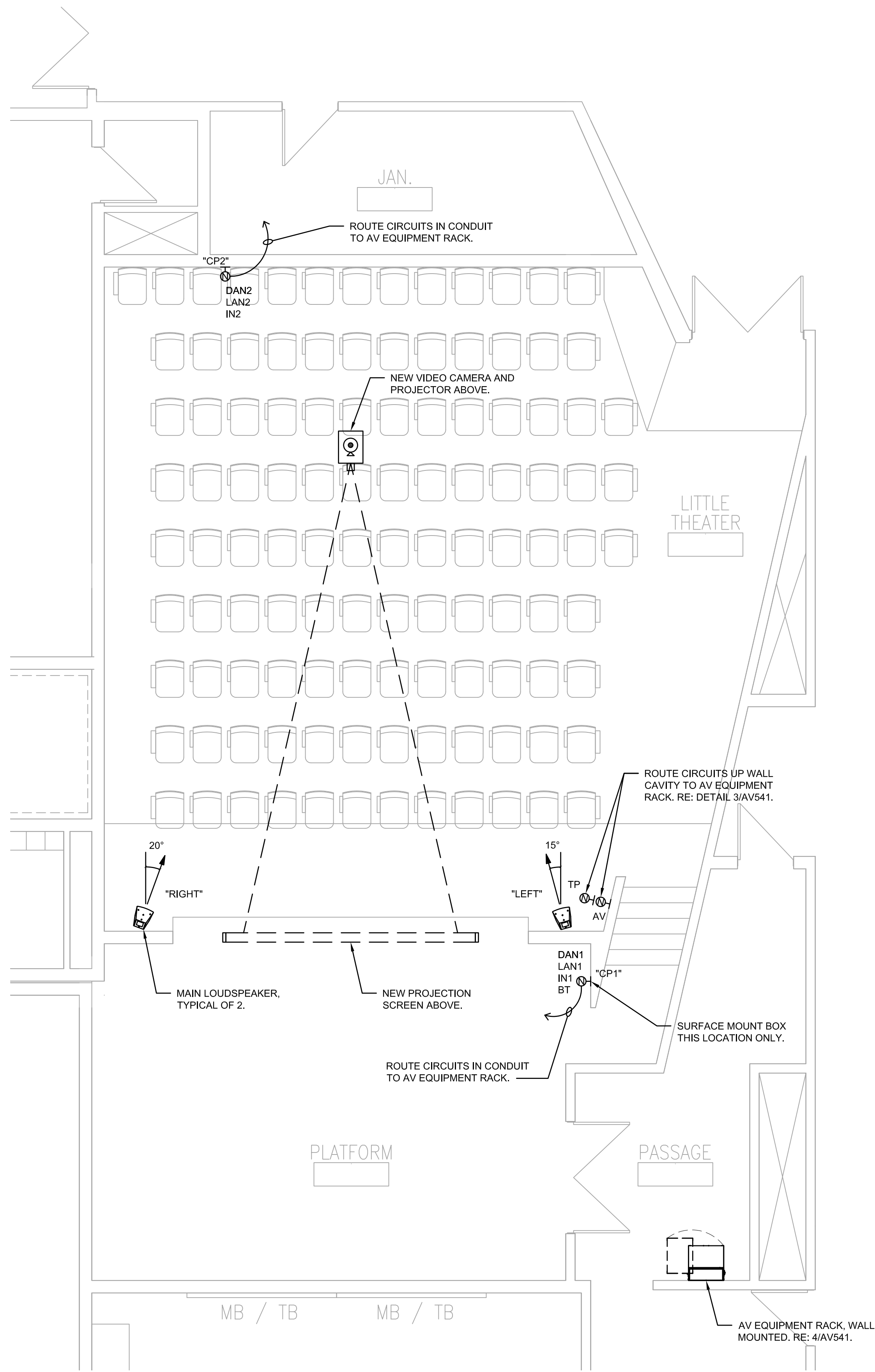
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- 1707.05-004

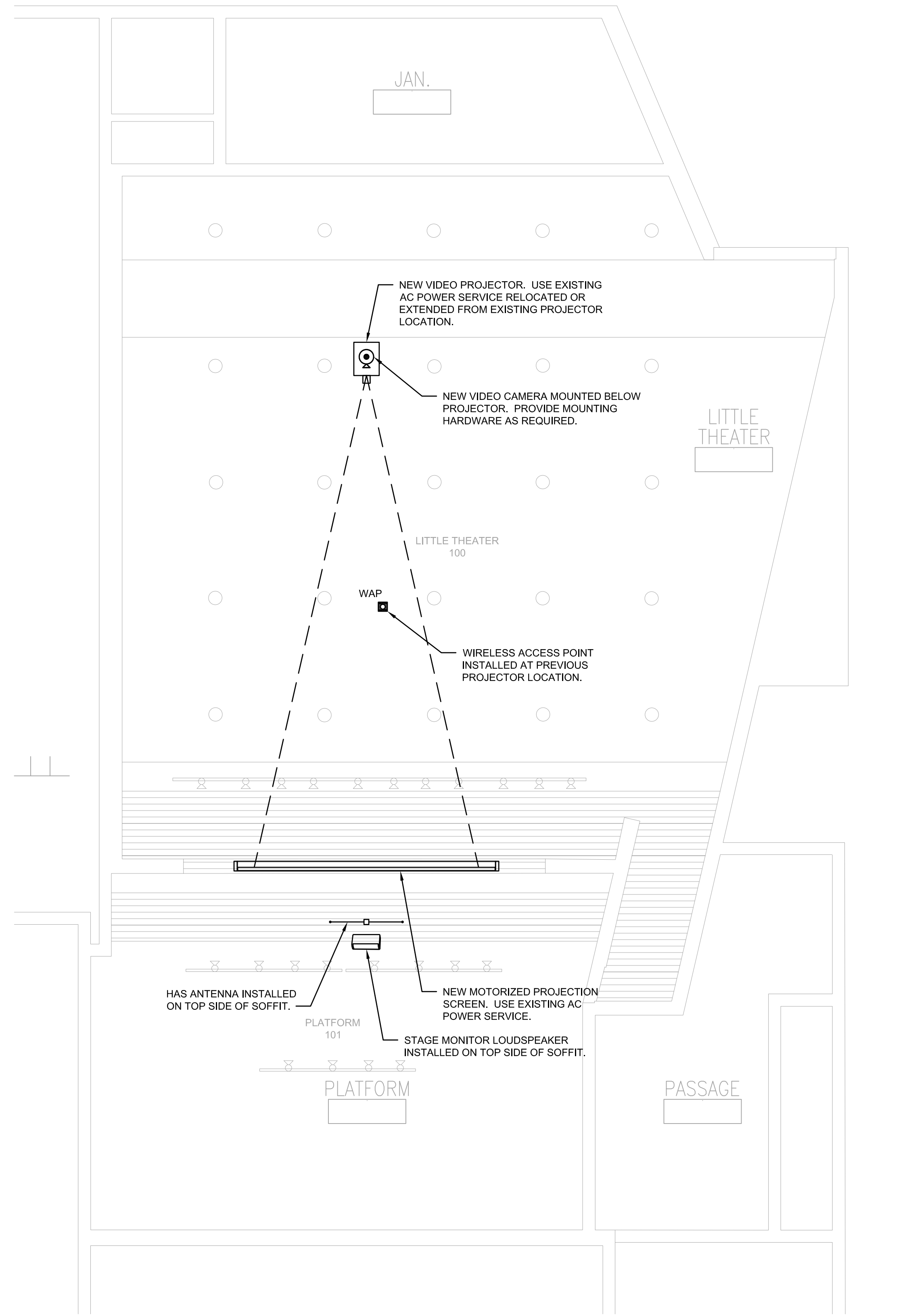
SHEET NUMBER:

AV501





1 LITTLE THEATER FLOOR PLAN  
1/4" = 1'-0"



2 LITTLE THEATER REFLECTED CEILING PLAN  
1/4" = 1'-0"

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
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BID DOCUMENTS

DATE:  
● 03/05/2021

REVISED DATE:  
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SHAWNEE MISSION USD  
AV UPGRADES 2021

NORTHWEST LITTLE THEATER

SHEET CONTENTS:  
● FLOOR & CEILING PLANS

HTK PROJECT NUMBER:  
● 1707.03-004

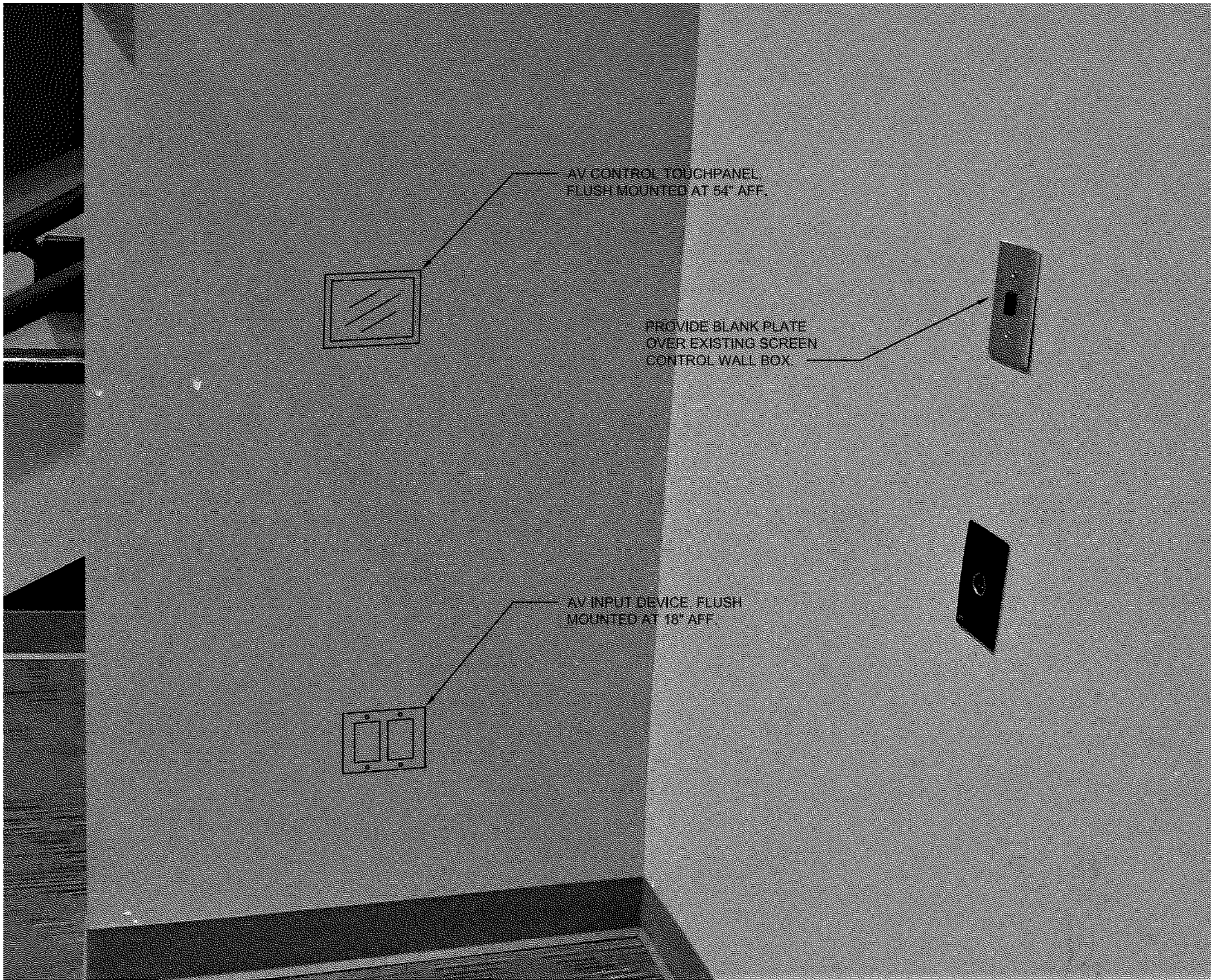
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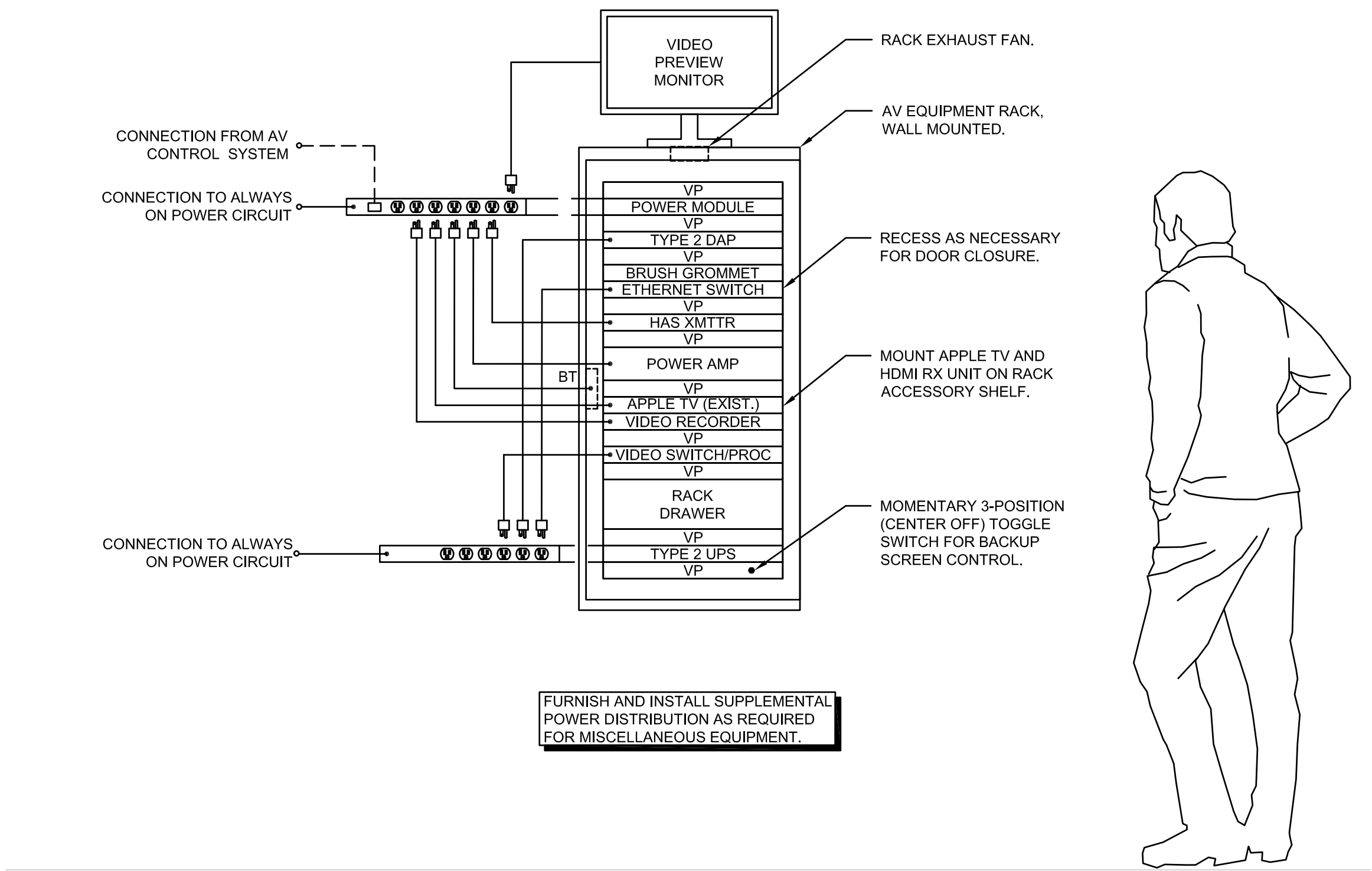
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3 AV TOUCHPANEL & INPUT DEVICE LOCATION DETAIL

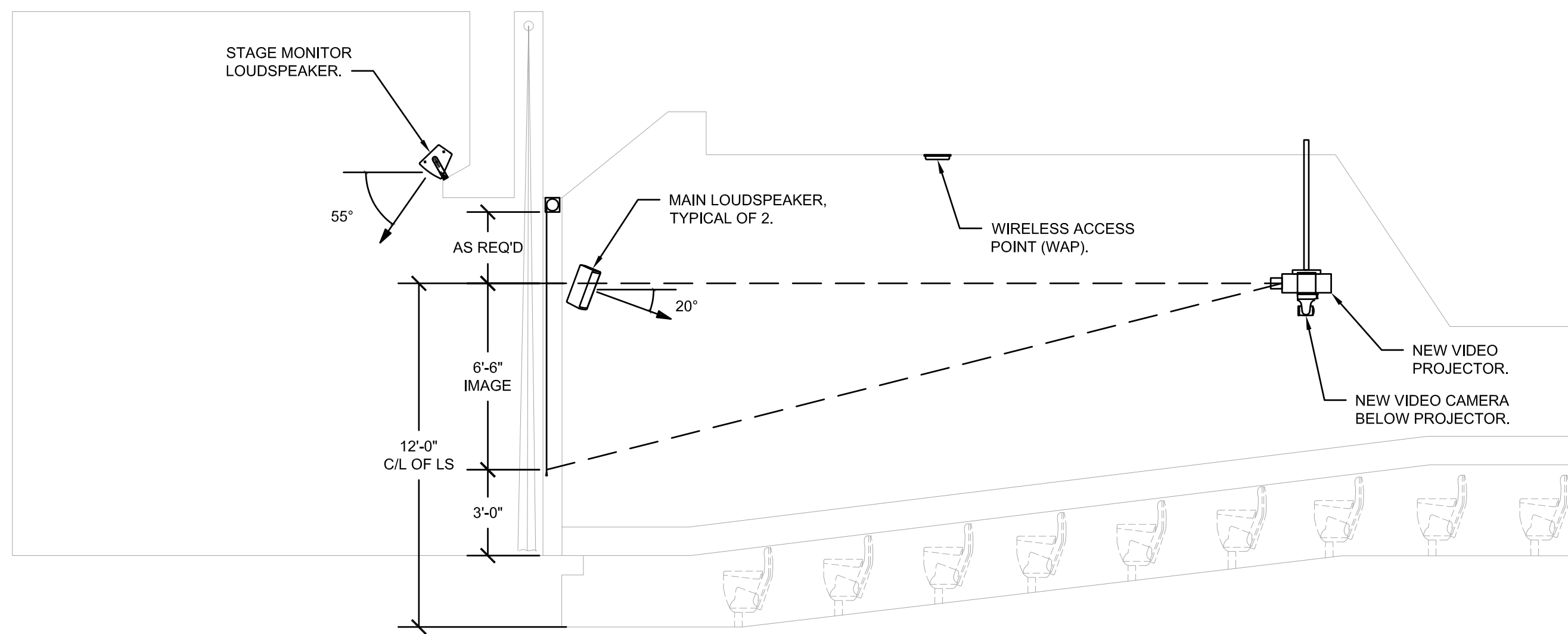
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4 AV EQUIPMENT RACK DETAIL

1" = 1'-0"

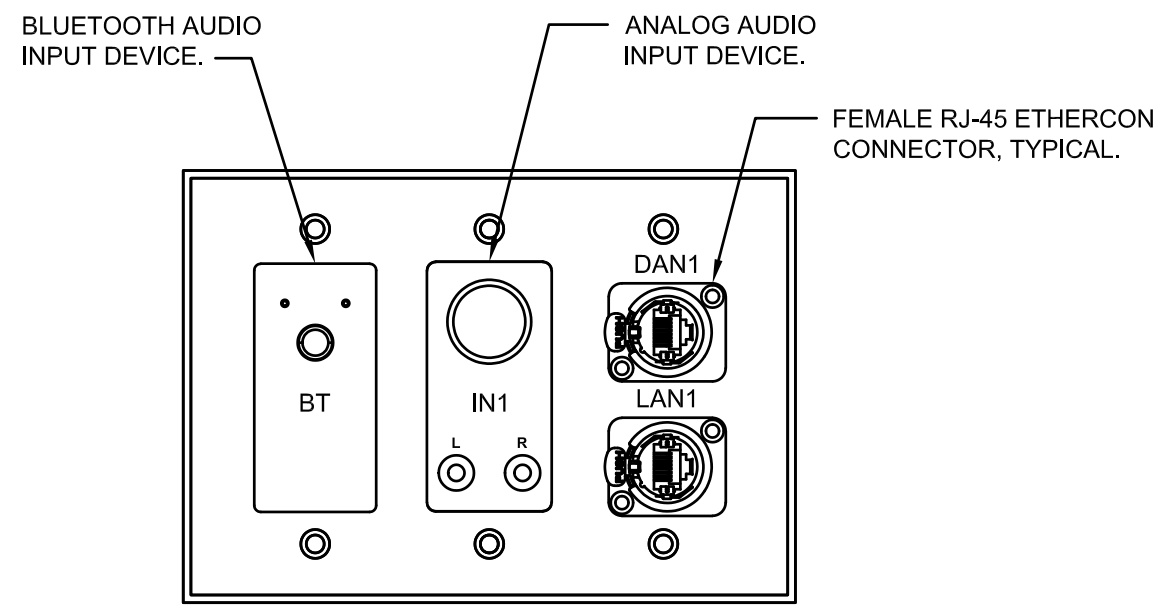
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1 LITTLE THEATER SECTION

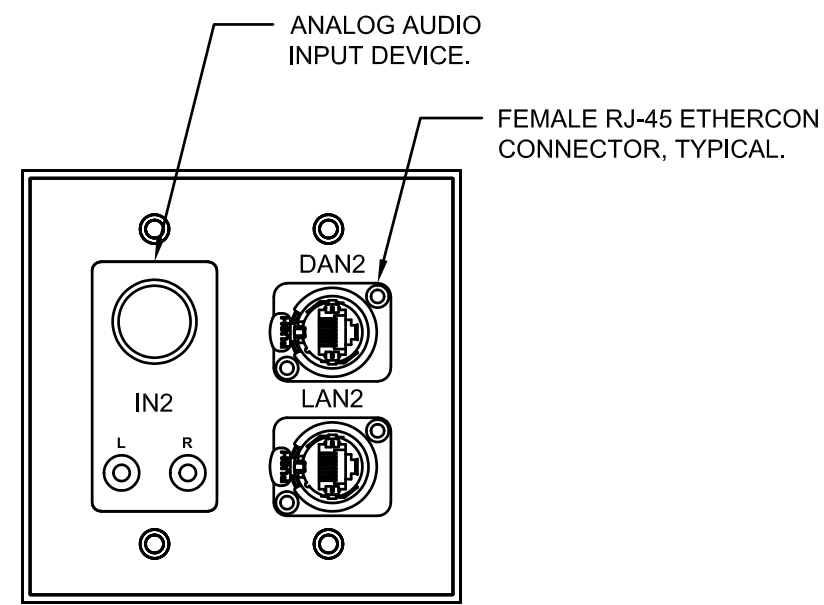
1/4" = 1'-0"

0 4 6



2A CONNECTION PLATE "CP1" DETAIL

6" = 1'-0"



2B CONNECTION PLATE "CP2" DETAIL

6" = 1'-0"

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.
2. EQUIPMENT AND COMPONENTS CURRENTLY INSTALLED IN THE RACKS AND NOT SCHEDULED TO BE REUSED AS PART OF THE UPGRADE ARE TO BE REMOVED FROM SERVICE, UNDAMAGED, AND TURNED OVER TO THE FACILITY.
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- 03/05/2021

REVISED DATE:

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NORTHWEST LITTLE THEATER

SHAWNEE MISSION USD  
AV UPGRADES 2021

Indian Hills HS, Northwest HS, East HS, West HS

Shawnee Mission School District

12701 W 67th St, Shawnee, KS 66216

SHEET CONTENTS:

- SECTION & DETAILS

HTK PROJECT NUMBER:

- 1707.03-004

SHEET NUMBER:

AV541



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