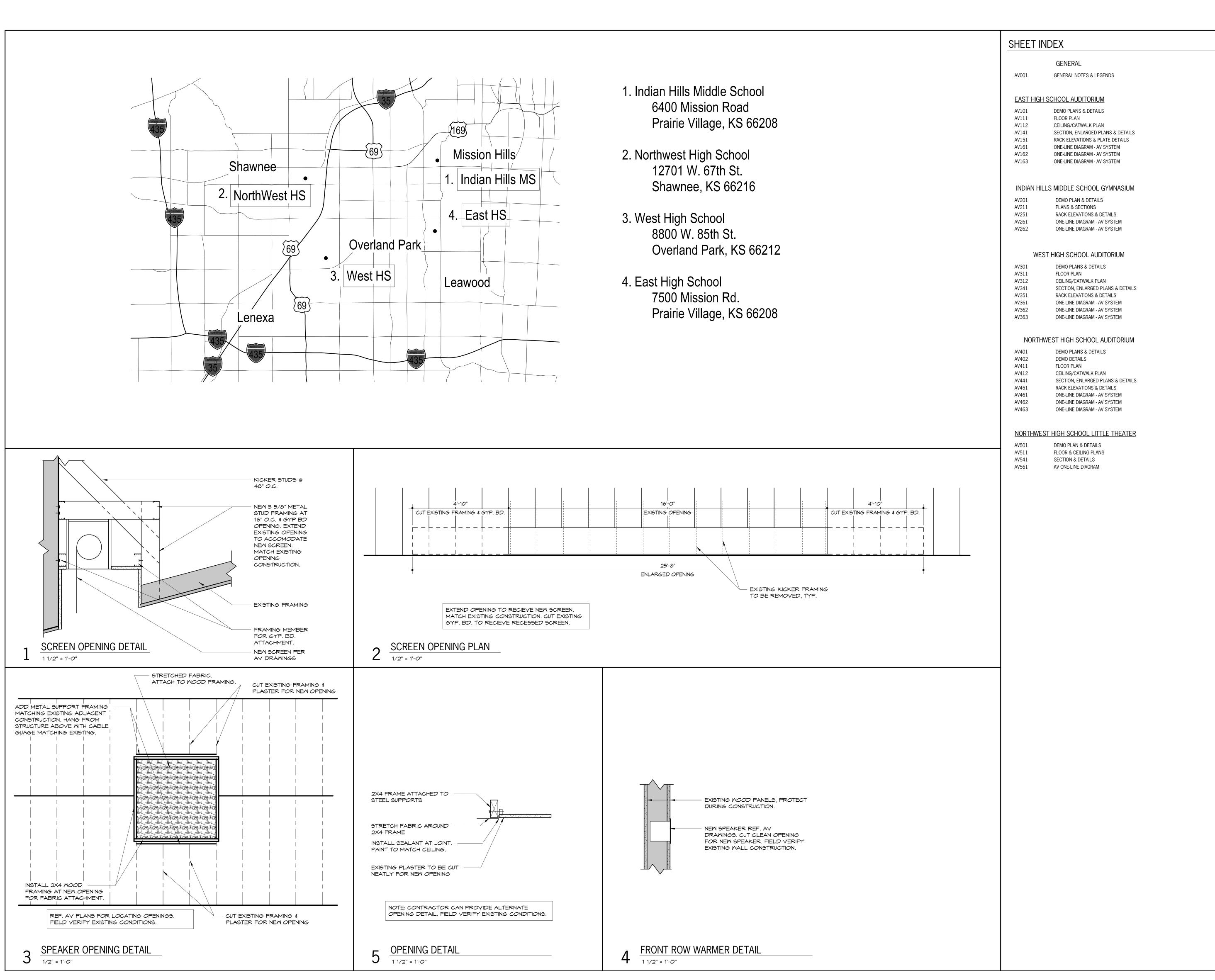
# SHAWNEE MISSION USD AV UPGRADES 2021

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



PROJECT CONTACTS

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Avant Acoustics

Shawnee Mission School District

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BID DOCUMENTS

DATE:

• 03/5/2021

REVISED DATE:

ISSION USD L UPGRADES 2020

SHEET CONTENTS:

TITLE SHEET

HAV

HTK PROJECT NUMBER:

● 1707.05-004

T NUMBER:

SENERAL AV SYSTEM NOTES	AV PLANS EQUIPMENT LEGEND			ONE-LINE DIAGRAM	I SYMBOL LEGEND
1. THE FACILITIES ARE EXISTING STRUCTURES. VERIFY LOCATIONS PRIOR TO STARTING	GENERAL: 1. MOUNTING HEIGHTS SHOWN ARE TO THE BOTTOM EDGE OF THE E	EQUIPMENT.			
WORK.  2. ALL DIMENSIONAL NOTES ARE EXPRESSED BY H (HEIGHT), W (WIDTH), AND D (DEPTH),	SYMBOL	DESCRIPTIO	ON	DA	DISTRIBUTION AMPLIFIER.
IN FEET/INCHES.	BRANCH OF CIRCUIT	LOUDSPEAKER CIRCUIT, OR PORTION THEREOF, WITH			
	LS CCT	CIRCUIT IDENTIFIER SHOWN. SEE ONE-LINE DIAGRAM FOR CONNECTION DETAILS.		STM	STEREO-TO-MONO AUDIO COMBINER.
	XXX				STEREO-TO-MONO AGDIO COMBINER.
	CIRCUIT IDENTIFIER			EQ	AUDIO EQUALIZER.
		DISTRIBUTED CEILING LOUDSPEAKER.			AODIO EQUALIZEIX.
IOTATIONAL SYMBOLS				V	LOUDSPEAKER VOLUME CONTROL (P=PRIORITY OVERRIDE RELAY)
REVISION NUMBER, UPWARD TRIANGLE. REFER TO REVISION LIST ON SHEET WHERE REFERENCE OCCURS FOR REVISION DATE.	 	SURFACE MOUNTED LOUDSPEAKER.			
				8W	LOUDSPEAKER EACH WITH LOUDSPEAKER LINE MATCHING TRANSFORMER IF SHOWN, WITH CONNECTIONS AS NOTED. REFER TO PLANS FOR
X SHEET KEY NOTE, HEXAGON. REFER TO SPECIFIC NOTES ON SHEET WHERE REFERENCE OCCURS.	CONDUIT BOXES/ENCLOSURES LEGEND			<u> </u>	QUANTITIES. NOMINAL LOUDSPEAKER SIZE (X) INDICATED WITHIN SYMBOL. WHERE MULTIPLE POWER TAP VALUES ARE SHOWN FOR LINE MATCHING
ABBREVIATIONS		SHALL INSTALL WALL BOX DESIGNED FOR EXISTING CONDITIONS WI		7	TRANSFORMERS IN A GIVEN LOUDSPEAKER CIRCUIT, REFER TO PLANS FOR SPECIFIC LOCATIONS.
ABBREVIATIONS		CH WALL MOUNTED ELECTRICAL BOXES UNLESS OTHERWISE NOTED. FLOOR SHALL BE MOUNTED TO MATCH ELECTRICAL SWITCH OR CON HAVE MULTIPLE SUB-FUNCTIONS.			
ACP ACOUSTICAL CEILING PANEL.	5. MOUNTING HEIGHTS GIVEN ARE TO CENTER OF THE BOX.	·		PWR	POWER AMPLIFIER, TYPE AND DETAILS AS INDICATED ON THE DRAWINGS.
ACT ACOUSTICAL CEILING TILE.  AFC ABOVE FINISHED CEILING. INDICATES DIMENSION ABOVE CEILING PANEL.	SYMBOL	DESCRIPTION  STANDARD CANCINAL BOY MINIMUM 2 1/8" INCHES  A	FUNCTIONS  ANTENNA CONNECTION.		
AFF ABOVE FINISHED FLOOR. INDICATES DIMENSION ABOVE FLOOR SURFACE.	IDENTIFIER.	STANDARD GANG WALL BOX, MINIMUM 2-1/8" INCHES  DEEP, WITH CONNECTION PANEL AS NOTED. FLUSH  MOUNTED UNLESS OTHERWISE NOTED. FOR  AV		<del></del>	SCREW TERMINAL ON BARRIER STRIP. INSTALLED IN TERMINATION CABINETS UNLESS NOTED OTHERWISE.
AP ACCESS POINT.	FUNCTION. NUMBER OF GANGS.	SINGLE/DOUBLE GANG, INSTALL 4-INCH SQUARE BOX WITH APPROPRIATE DEVICE COVER TO PROVIDE  CF	CONNECTION PANEL/PLATE.		CABINETS UNLESS NOTED OTTENWISE.
BP BLANK PANEL.	XG GANGS.  XX" AFF. MOUNTING HEIGHT.  XX, XX, XX CONNECTIONS;	REQUIRED OPENINGS AND WITH DEPTH TO MATCH WALL FINISH THICKNESS.	TEXT TABLE SOURCE FISH.	<del></del>	LOGGE GARLE LENGTH AG INDIGATED
C CONDUIT, DIAMETER EXPRESSED IN INCHES.  CP CONNECTION PANEL.	REFER TO ONE-LINE DIAGRAMS.	IC IC	INTERCOM CONNECTION.  JUNCTION BOX.	7000	LOOSE CABLE, LENGTH AS INDICATED.
FP FLAT PANEL.	/— IDENTIFIER.	WALL BOX, 8" H x 8" W x 4" D, OR SIZE AND TYPE AS INDICATED ON THE DRAWINGS, FLUSH MOUNTED, WITH			FEMALE XLR RECEPTACLE OR CABLE CONNECTOR; 3 PINS UNLESS
HAS HEARING ASSISTANCE SYSTEM.	_"XXX" FUNCTION.	CONNECTION PANEL AS NOTED.		>	SUBSCRIPT INDICATES OTHERWISE.
MCP METAL CEILING PANEL.	MOUNTING HEIGHT.	PB	T OLL BOX.	←	MALE XLR RECEPTACLE OR CABLE CONNECTOR; 3 PINS UNLESS SUBSCRIPT INDICATES OTHERWISE.
OFCI OWNER FURNISHED CONTRACTOR INSTALLED.  RF RADIO FREQUENCY.	X" x X" x X" SIZE.  XX, XX, XX CONNECTIONS;  REFER TO ONE-LINE	R TP	CONTROL CONNECTION.  TOUCHPANEL CONNECTION.		
TC TERMINATION CABINET.	DIAGRAMS.	V	VOLUME CONTROL CONNECTION.	———————————————————————————————————————	MULTIPIN CONNECTOR.
TELCO TELEPHONE UTILITY COMPANY.	IDENTIFIER.	All COLLABE OF ILINO BOY, OUBER OF TOUR TO THE			
TP TOUCHPANEL.  VP VENT PANEL.	"XXX" FUNCTION. CONNECTIONS;	4" SQUARE CEILING BOX, SURFACE MOUNTED UNLESS OTHERWISE INDICATED.		<u>)</u>	PHONE JACK, SIZE AS INDICATED ON THE DRAWINGS.
	XX, XX, XX REFER TO ONE-LINE DIAGRAMS.			1/4"	PHONE PLUG, SIZE AS INDICATED ON THE DRAWINGS.
DNE-LINE DIAGRAM WIRE LEGEND	IDENTIFIER.			<del></del>	
WIRES FOR AUDIO, VIDEO, OR RADIO FREQUENCY SIGNALS OVER COPPER CABLING. CABLE OR SIGNAL TYPE AS INDICATED BY "XXX".	"XXX" FUNCTION.	FLOOR BOX, SIZE AND TYPE AS INDICATED ON THE DRAWINGS.		©——	RCA PHONO JACK.
_XXX WIRES FOR NETWORK OR CONTROL SIGNALS OVER COPPER CABLING.	CONNECTIONS;  REFER TO ONE-LINE DIAGRAMS.			_	RCA PHONO PLUG.
CABLE OR SIGNAL TYPE AS INDICATED BY "XXX".	DIAGRAWIS.			—— <b>(</b> E	NGA FITONO FEUG.
				φ	BNC JACK.
		CONDUIT BODY. PROVIDE BLANK COVER WITH CABLE PASS THROUGH GROMMET AS NEEDED.		5	BNC PLUG.
	CONDUIT LEGEND			<u> </u>	BNC FLUG.
	GENERAL: 1. CONDUIT SHALL BE MINIMUM 0.75-INCH DIAMETER. MEASURED PL	JLL STRING SHALL BE FURNISHED, INSTALLED, AND SECURED IN ALL	CONDUIT RACEWAYS.	3984	FEMALE HD-15 CONNECTOR.
	<ol> <li>CONDUIT FOR MICROPHONE LEVEL CIRCUITS SHALL BE CONSTRU</li> <li>CONDUIT SHALL NOT EXCEED 100 LINEAR FEET OR THE EQUIVALE</li> <li>CONTRACTOR INSTALLING CONDUIT SYSTEM SHALL FURNISH AND</li> </ol>	NT OF THREE 90 DEGREE BENDS BETWEEN JUNCTION BOXES.	FOR SYSTEM CONNECTIONS	€	
	5. CONDUIT ROUTING AND LOCATION OF CONNECTION BOXES SHALL 6. SYSTEM AC POWER CIRCUITS SHALL BE TWO WIRE (EACH WITH IT	L BE PER ELECTRICAL SPECIFICATIONS.		0	FEMALE HDMI CONNECTOR.
	FUNCTIONS SYMBOL	DESCRIPTION		<b>:</b> []	MALE HD-15 CONNECTOR.
		А	ANTENNA CIRCUIT.	<b>₹_</b> L	
	CONDUIT SIZE. CONDUIT FUNCTION.	AV	V AUDIO-VISUAL CIRCUIT		MALE HDMI CONNECTOR.
	XX" C. (X).	EXPOSED CONDUIT OR CABLE RACEWAY AS NOTED. IC			
	i	L\N		□	FEMALE RJ45 CONNECTOR.
	CONDUIT SIZE. — CONDUIT FUNCTION	R	CONTROL CIRCUIT.		MALE DIAG CONNECTOR
	CONDUIT SIZE. CONDUIT FUNCTION.	CONDUIT CONCEALED IN WALL, CEILING, OR FLOOR.	SPEAKER CIRCUIT.	—— <b>•</b>	MALE RJ45 CONNECTOR.
		TV	/ TELEVISION CIRCUIT.		FEMALE ETHERCON CONNECTOR.
	` ` ` `			<u> </u>	
	,	CABLE CONCEALED IN WALL, CEILING, OR FLOOR. USE		——————————————————————————————————————	MALE ETHERCON CONNECTOR.
		PLENUM-RATED CABLING WHERE INSTALLED IN RETURN-AIR PLENUMS.			
				<b>I</b>	FEMALE USB CONNECTOR.
		CONDUIT STUBBED OUT ABOVE ACCESSIBLE PORTION			
		OF CEILING. TERMINATE CONDUIT WITH INSULATED BUSHING. WHERE STUB PENETRATES A NOISE			MALE USB CONNECTOR.
		CONTROL WALL OR PLENUM BARRIER, ELECTRICAL CONTRACTOR SHALL SEAL AROUND CONDUIT AT PENETRATION AND SYSTEMS CONTRACTOR SHALL SEAL			
		OPEN END OF CONDUIT WITH DUX SEAL OR EQUIVALENT COMPLIANT SEALANT AFTER INSTALLATION OF CABLE.		<del></del>	FIBER OPTIC PATCH PANEL CONNECTION.
				1 1	DIAS DATOU DANIEL CONNECTION
		CONDUIT STUBBED OUT ABOVE CABLE TRAY IN ACCESS FLOOR. TERMINATE CONDUIT WITH INSULATED BUSHING.			RJ45 PATCH PANEL CONNECTION.
		WHERE STUB PENETRATES A NOISE CONTROL WALL OR PLENUM BARRIER, ELECTRICAL CONTRACTOR SHALL SEAL		$\bigcirc$	AC POWER CORD.
		AROUND CONDUIT AT PENETRATION AND SYSTEMS CONTRACTOR SHALL SEAL OPEN END OF CONDUIT WITH DUX SEAL OR EQUIVALENT COMPLIANT SEALANT AFTER			
		INSTALLATION OF CABLE.		<u></u>	ANTENNA.
		CONDUIT LANDED TO EQUIPMENT RACK. INSULATE			
		EQUIPMENT RACK FROM METALLIC CONDUIT USING A PLASTIC BUSHING OR CONNECTOR.			CONTINUATION OF EQUIPMENT OR LOUDSPEAKER CIRCUITS. REFER TO DRAWINGS FOR QUANTITIES.
				I	— CONNECTION DESIGNATOR.
		CABLE TRAY, SIZE AND TYPE AS NOTED ON THE DRAWINGS.			CIRCUIT CONTINUED ON DIFFERENT SHEET OR AT OTHER DIAGRAM
				- <del>Q</del>	LOCATION.
				"LABELS"	<ul> <li>SHEET NUMBER WHERE CIRCUIT IS CONTINUED.</li> <li>SLANTED TEXT IN QUOTES INDICATES EQUIPMENT LABELS.</li> </ul>
	<u> </u>		<u> </u>		

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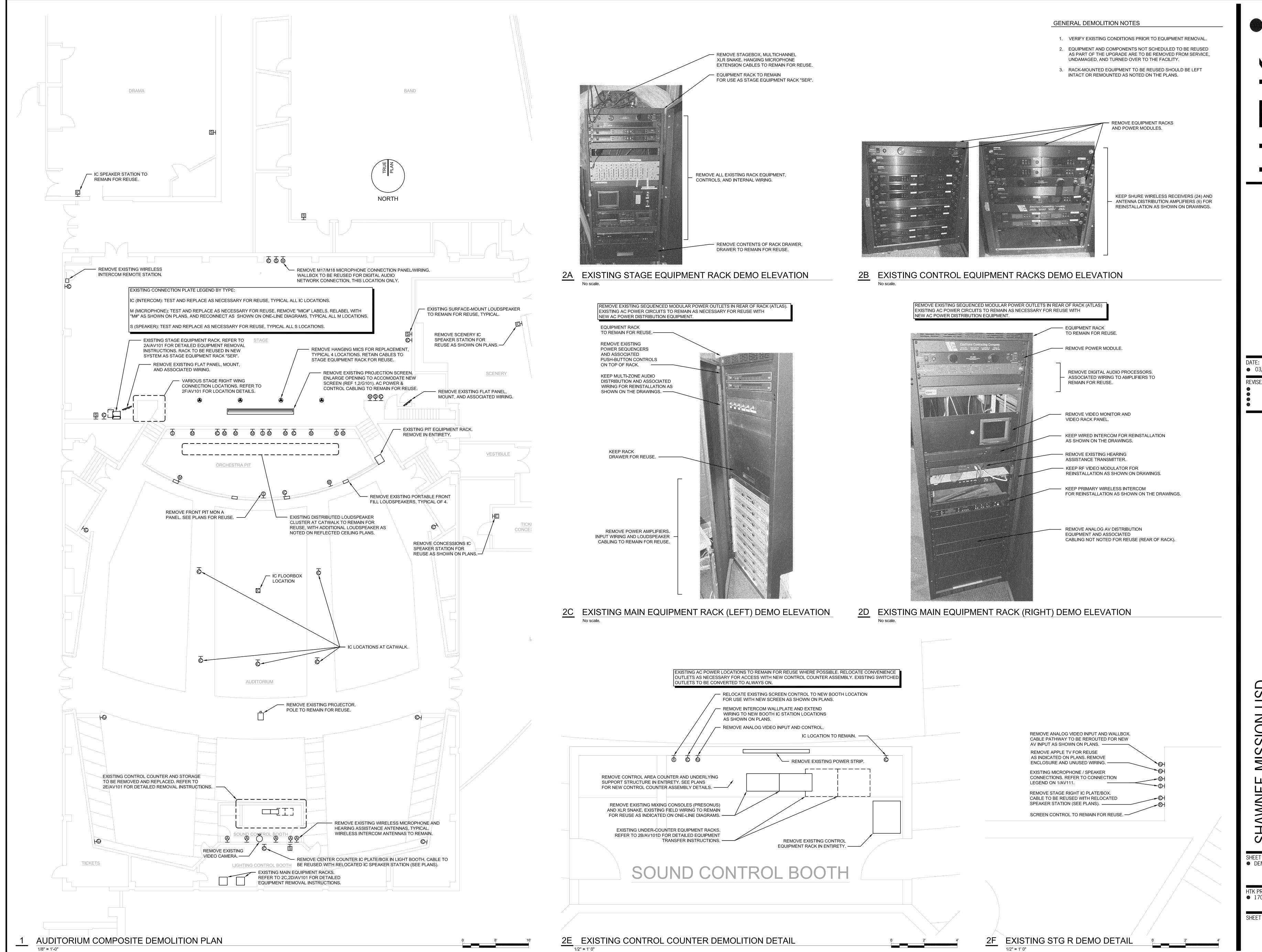
SHEET CONTENTS:

GENERAL NOTES

HTK PROJECT NUMBER: ● 1707.05-004

1707.03-004

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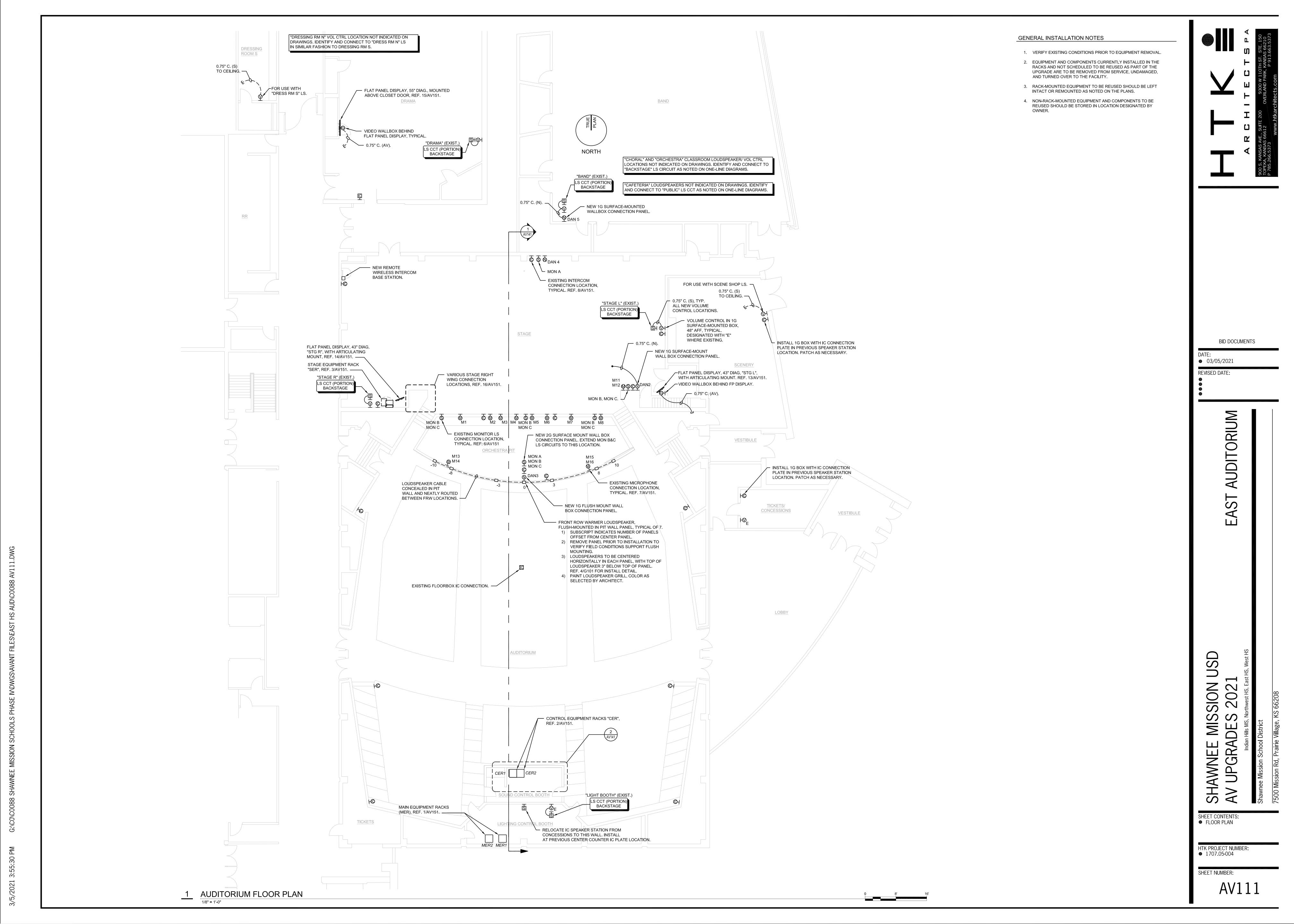


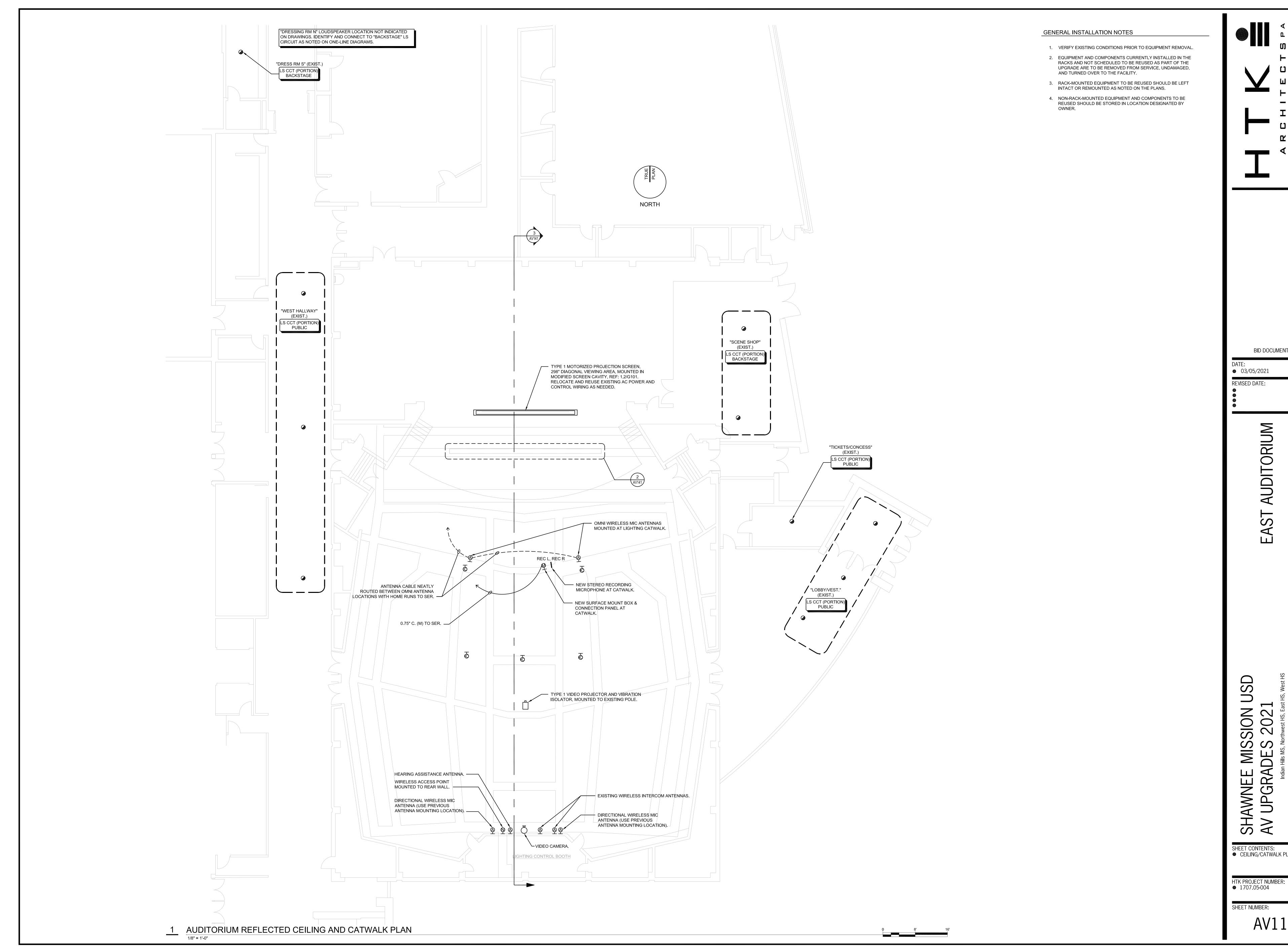
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03/05/2021 **REVISED DATE:** 

SHEET CONTENTS: DEMOLITION PLANS AND DETAILS

HTK PROJECT NUMBER: 1707.05-004





BID DOCUMENTS

SHEET CONTENTS: ● CEILING/CATWALK PLANS

021

3C CONTROL CONSOLE AREA ELEVATION

BID DOCUMENTS

**o** 03/05/2021 REVISED DATE:

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SHEET CONTENTS: SECTION, ENLARGED PLANS. AND DETAILS

HTK PROJECT NUMBER:

SHEET NUMBER:

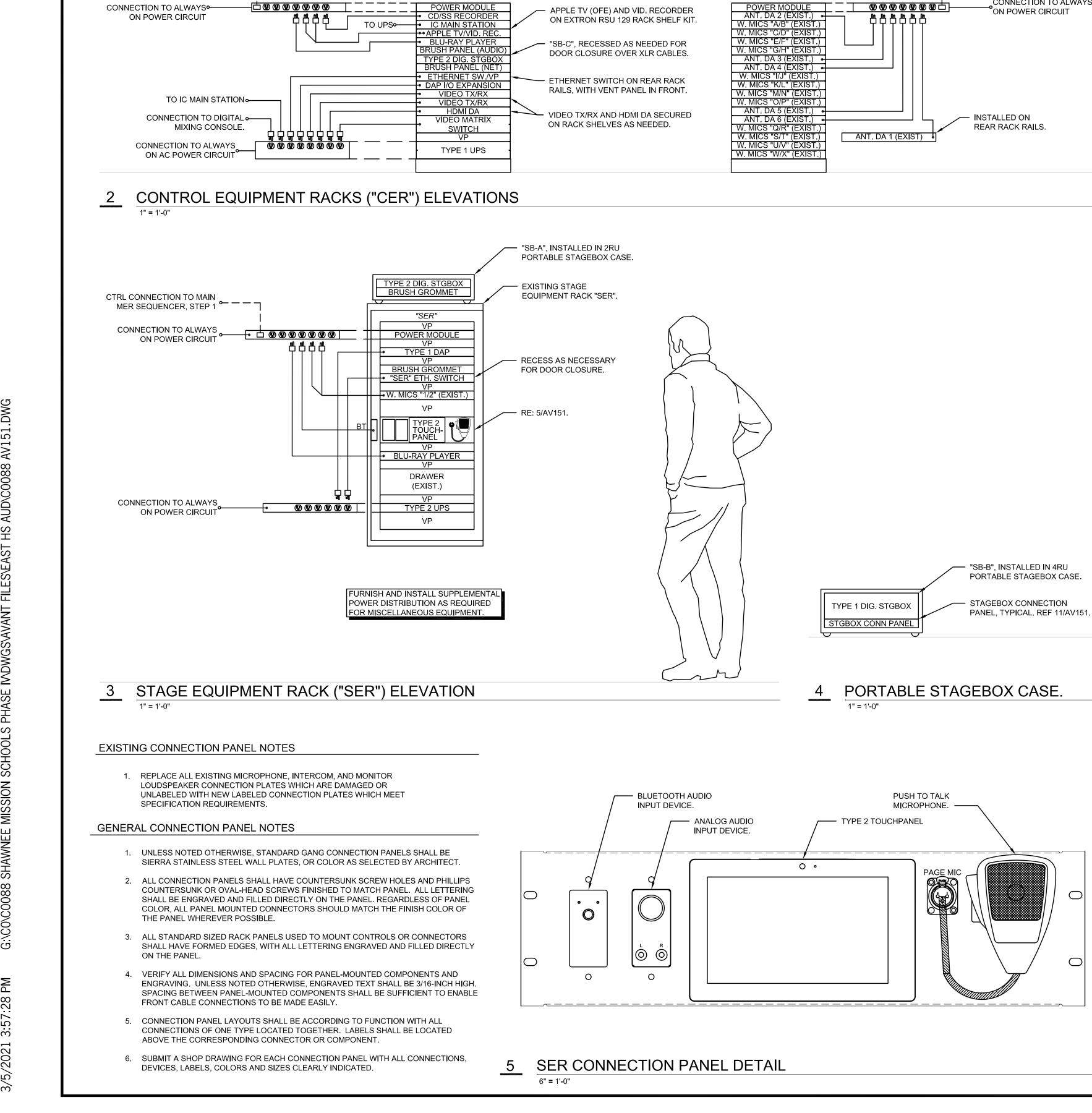
1707.05-004

APPROX. 4'- 0"

ARROWS INDICATE DIRECTION OF AIRFLOW.

3D CONTROL EQUIPMENT RACK SIDE ELEVATION





FURNISH AND INSTALL SUPPLEMENTAL

**EXISTING FLOORSTANDING** EQUIPMENT RACK, TYPICAL.

HARDWIRED CONNECTIONS TO

AC POWER CIRCUITS

SEQUENCED POWER

MODULE, TYPICAL.

CONNECT TO

EXISTING ALWAYS-ON

AC POWER OUTLETS

□■ | **W** | CCT 1

MILLWORK EQUIPMENT RACK.

CTRL CONNECTION TO

CONNECTION TO ALWAYS

Γ — — → MER SEQUENCER, STEP 2.

"MER 2"

NAME PANEL LIGHT MODULE (EXIST

INTERCOM (EXIST.)

RF VIDEO DIST. (EXIST

BP

DRAWER

(EXIST.)

BP (EXIST.)

BP (EXIST.)

BP (EXIST.)

"CER 2"

POWER DISTRIBUTION AS REQUIRED

FOR MISCELLANEOUS EQUIPMENT.

"MER 1"

BP (EXIST.)

BACKSTAGE CIRC (EXIST.)

VP

HARDWIRED CONNECTIONS TO

MODULAR VERTICAL POWER STRIP

CTRL CONNECTION TO

CONNECTION TO ALWAYS ---

MER SEQUENCER, STEP 2. — — — ¬

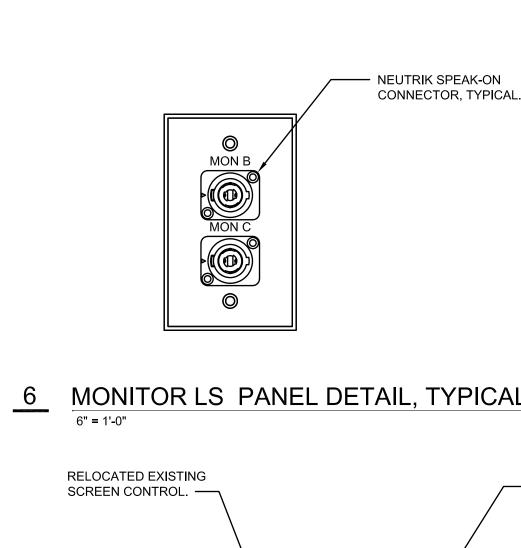
AC POWER CIRCUITS

SEQ STEP 4

SEQ STEP 5

MAIN EQUIPMENT RACK ("MER") ELEVATIONS

MILLWORK EQUIPMENT RACK. ——



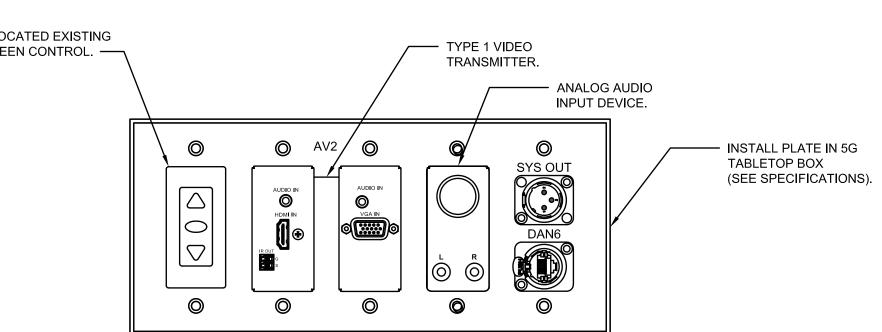
----- FEMALE XLR CONNECTOR, TYPICAL. M 10

CONNECTOR, TYPICAL.

MONITOR LS PANEL DETAIL, TYPICAL.

MICROPHONE PANEL DETAIL, TYPICAL.

INTERCOM PANEL DETAIL, TYPICAL.

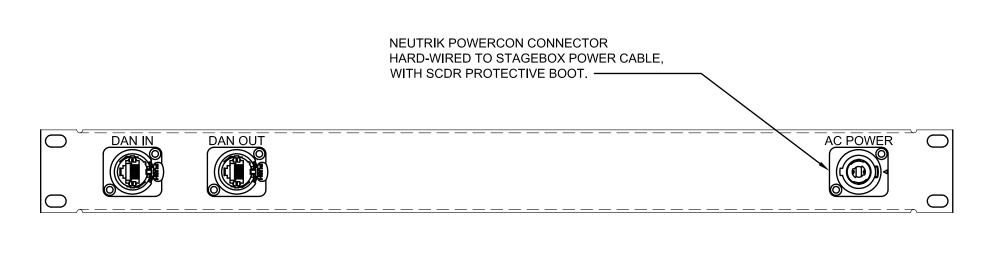


FEMALE RJ-45 ETHERCON CONNECTOR, TYPICAL.

TYPE 1 VIDEO

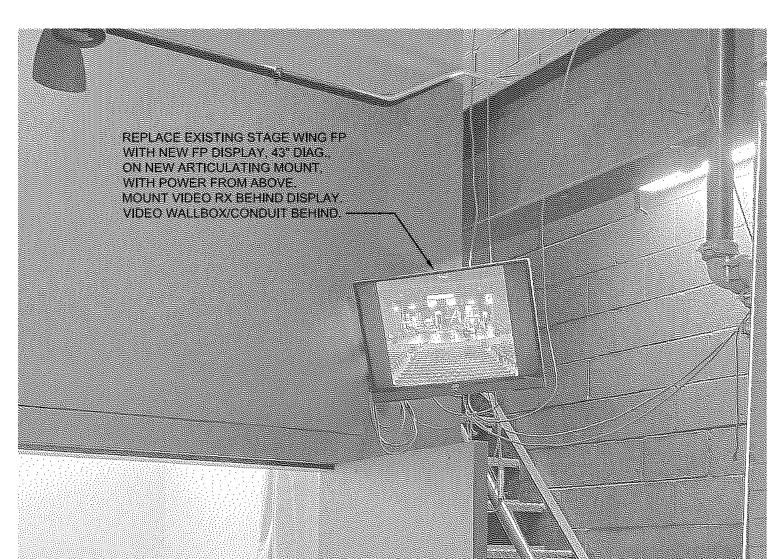
CONTROL COUNTER BOX CONNECTION PANEL

10 STAGE RIGHT WING CONNECTION PANEL.

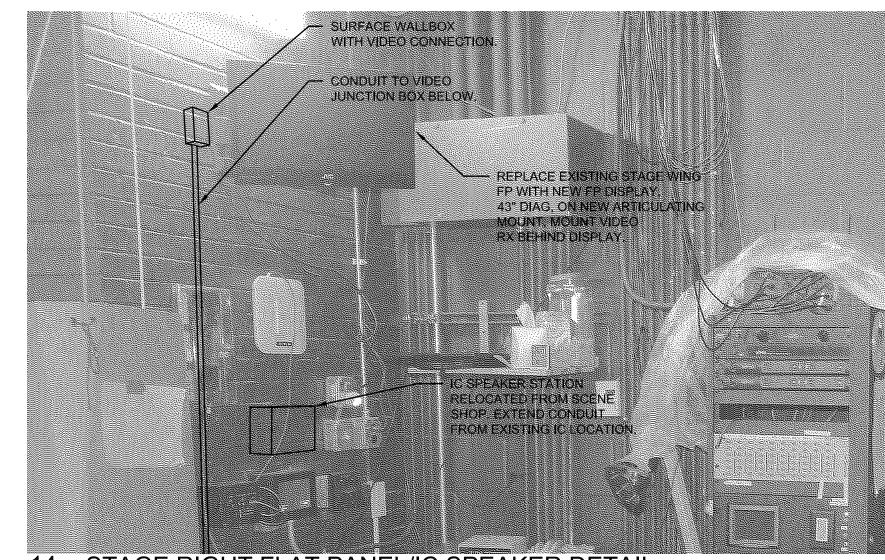


SURFACE MOUNTED CONDUIT EXTENDED AROUND CORNER FROM PREVIOUS AVINPUT LOCATION ----NEW SURFACE MOUNTED 4G WALL BOX ----12 STAGE WING CONNECTION PANEL DETAIL

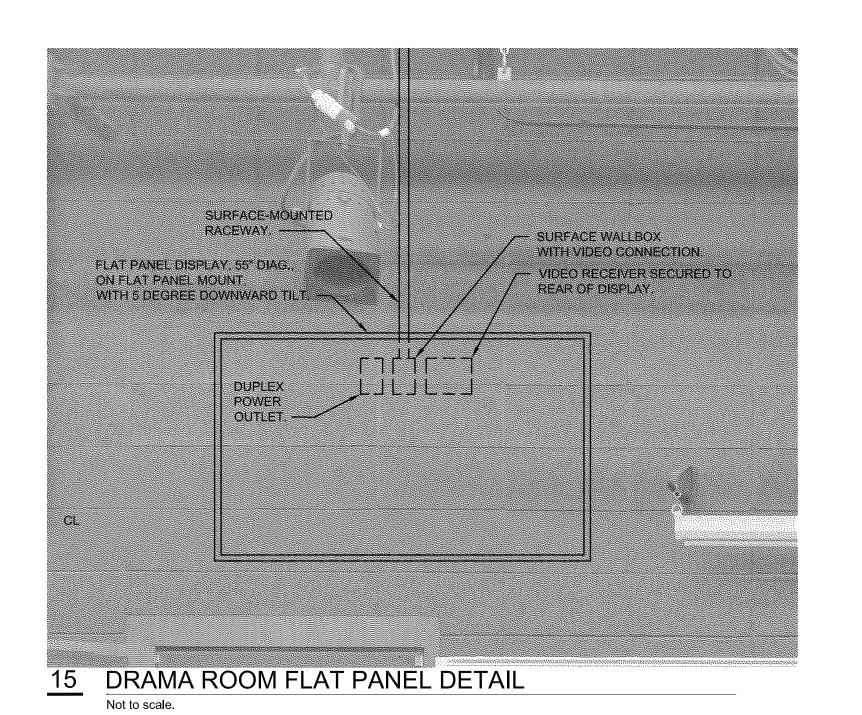
11 STAGEBOX CONNECTION PANEL, TYPICAL.

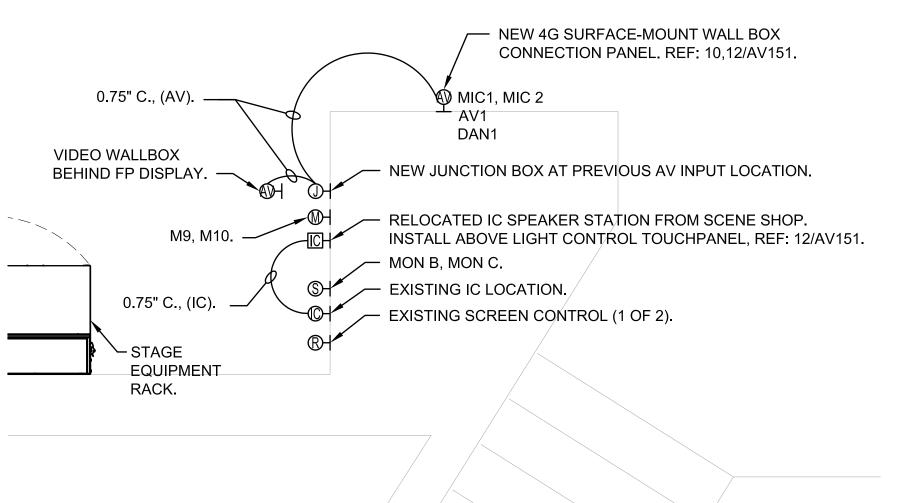


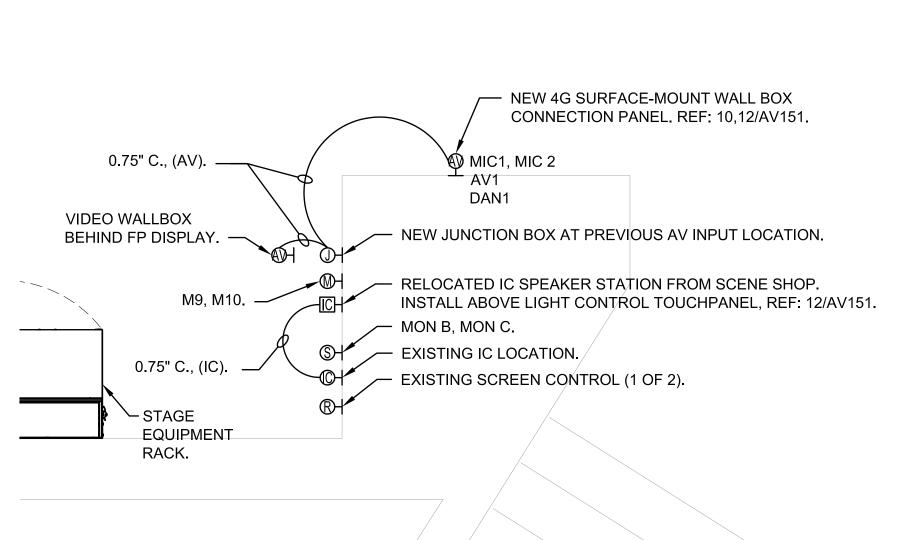
STAGE LEFT WING FLAT PANEL DETAIL.



STAGE RIGHT FLAT PANEL/IC SPEAKER DETAIL







STAGE RIGHT CONNECTIONS DETAIL

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**o** 03/05/2021 **REVISED DATE:** 

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SHEET CONTENTS: RACK ELEVATIONS AND PLATE DETAILS

HTK PROJECT NUMBER: 1707.05-004

58:15 PM G:\CO\CO088 SHAWNEE MISSION SCHOOLS PHASE INDWGS\AVANT FILES\EAST HS AUD\CO088 AV161.DW

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.

3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.

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**o** 03/05/2021

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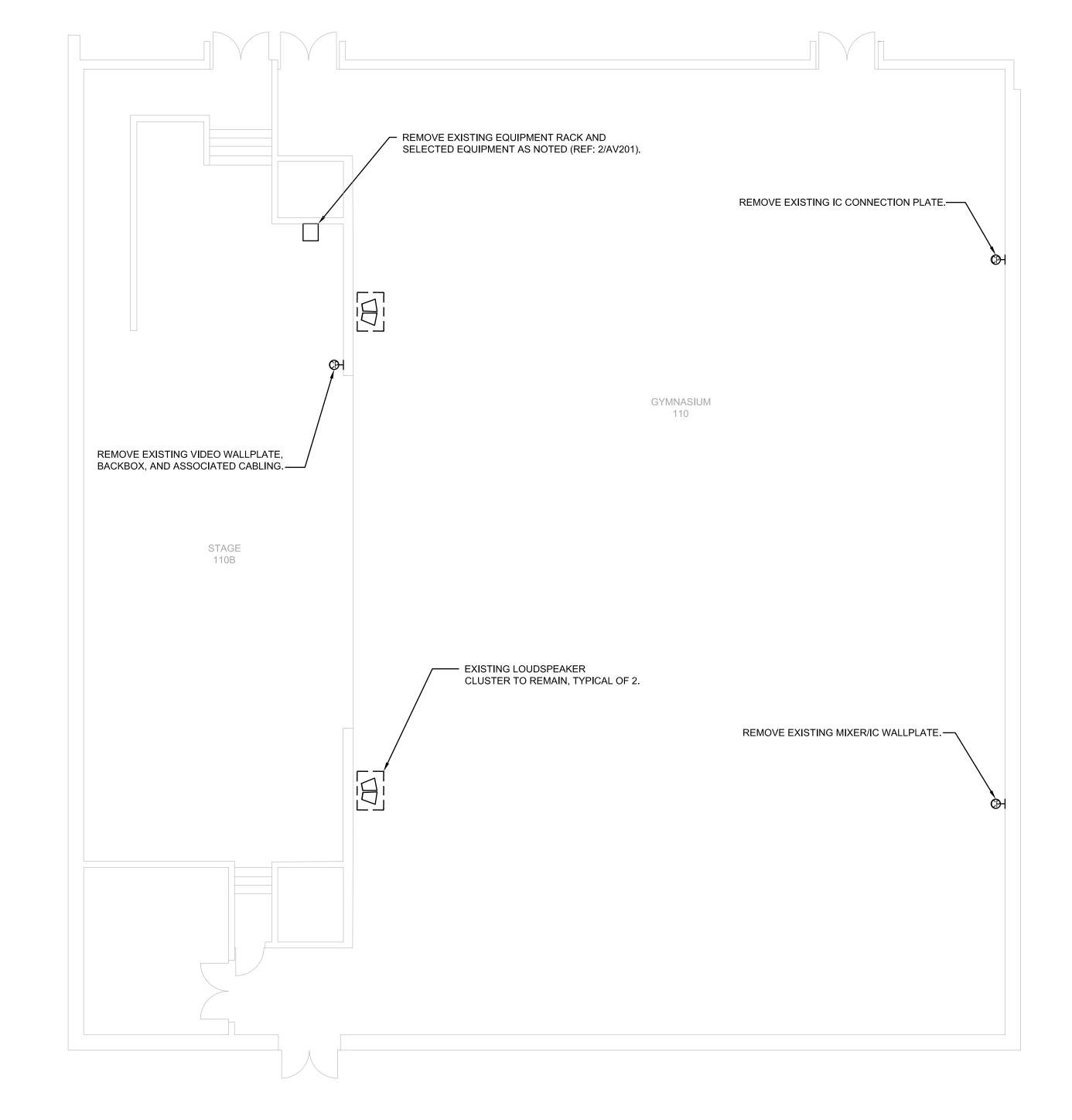
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SHEET CONTENTS:

DEMOLITION PLANS

AND DETAILS HTK PROJECT NUMBER: ● 1707.05-004



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.

REMOVE EXISTING DIGITAL SIGNAL PROCESSOR. REMOVE EXISTING POWER SEQUENCER.

- KEEP WIRED INTERCOM POWER SUPPLY FOR REUSE. — REMOVE 2-CHANNEL AMPLIFIER (CROWN XLS).

REMOVE EXISTING WALL-MOUNTED SWING-OUT RACK.

----- REMOVE EXISTING CONTROL PANEL.

KEEP EXISTING HEARING ASSISTANCE

TRANSMITTER FOR REUSE.

REMOVE EXISTING WIRELESS MIC RECEIVERS.

- KEEP 4-CHANNEL AMPLIFIER FOR REUSE (CROWN DRIVECORE).

2 AV EQUIPMENT RACK DEMOLITION DETAIL

Not to scale

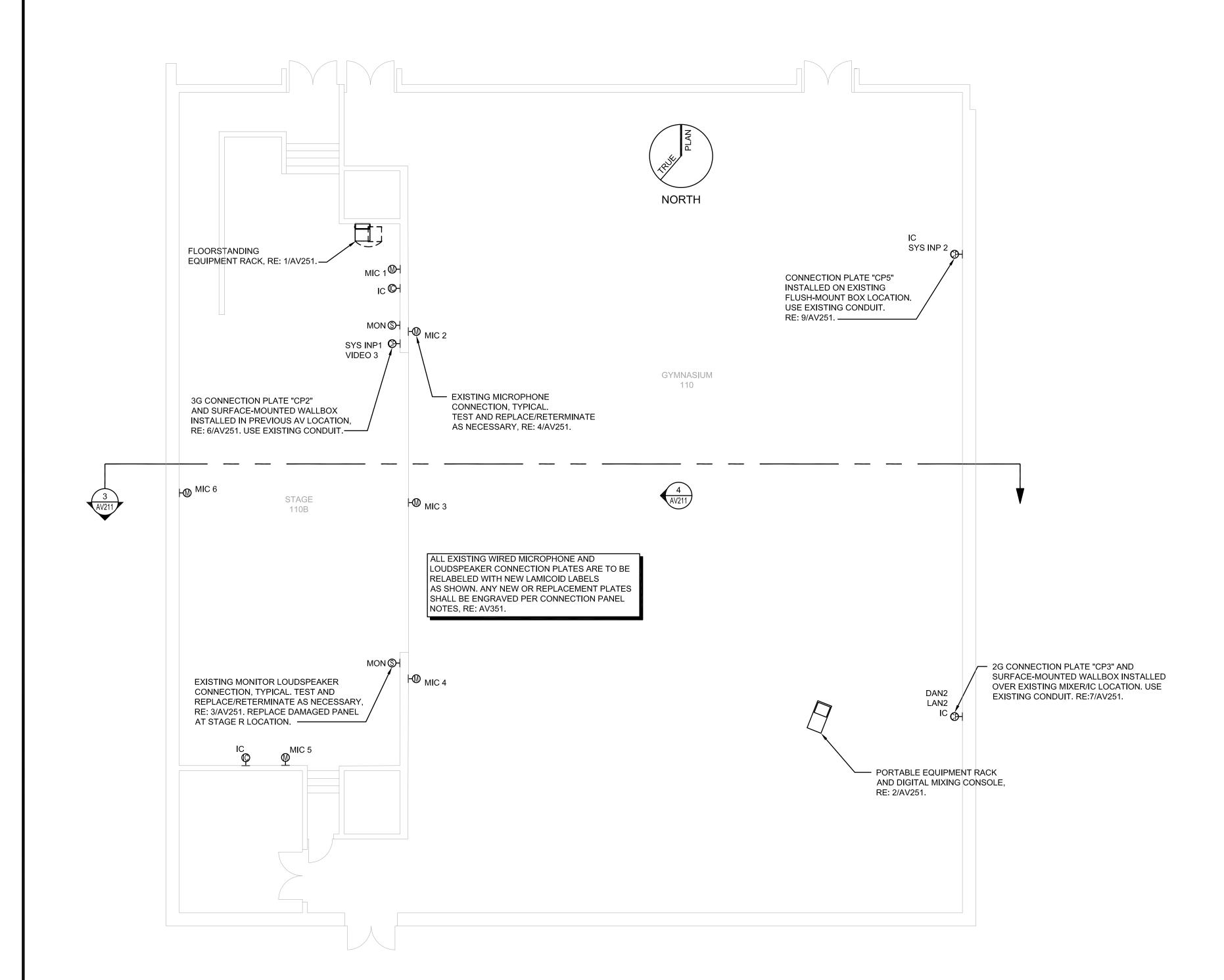
AUDIO-VISUAL SYSTEM DEMOLITION - COMPOSITE FLOOR & REFLECTED CEILING PLANS

1/8" = 1'-0"

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

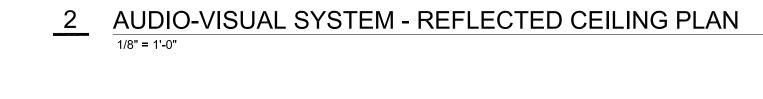


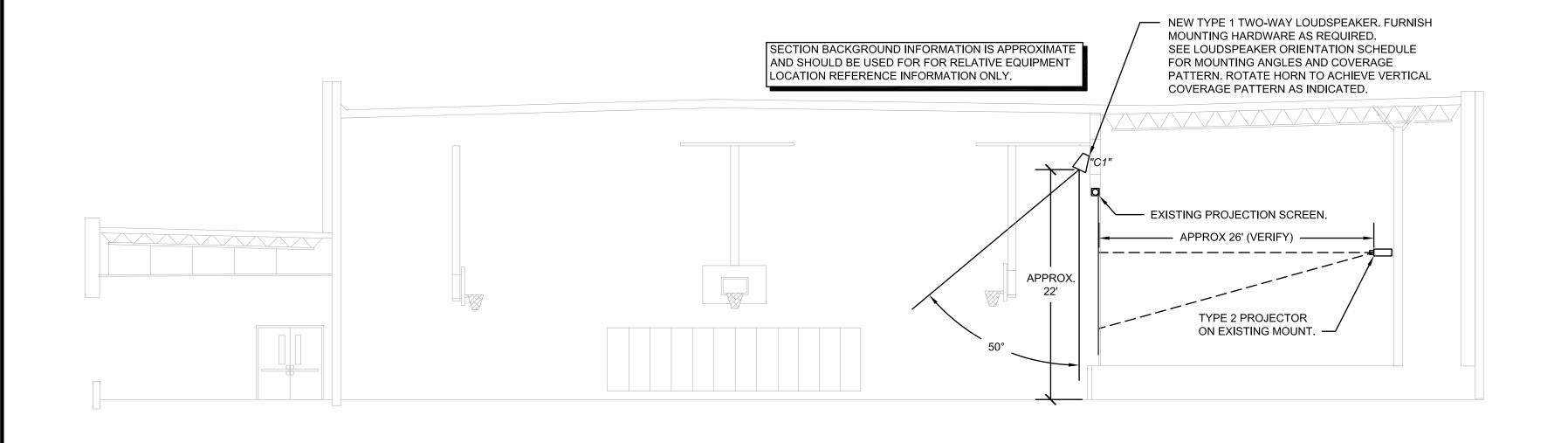
EXISTING HANGING MICROPHONES. REPOSITION BEHIND MAIN CURTAINS, 10' AFF, WITH STRAIN RELIEF AS NEEDED. REPLACE WINDSCREEN WITH SHURE RK183WS WHERE MISSING. EXISTING MOTORIZED SCREEN (REAR PROJECTION). GYMNASIUM NEW TYPE 1 LOUDSPEAKER, RE: 3,4/AV211. REMOVE DRYWALL SECTION TO ADD BLOCKING BEHIND LOUDSPEAKER MOUNT. INFILL AS NECESSARY. TYPE 2 VIDEO PROJECTOR ON EXISTING MOUNT. - WIRELESS ACCESS POINT MOUNTED TO EXISTING CEILING STRUCTURE. - NEW OMNIDIRECTIONAL WIRELESS MICROPHONE ANTENNA MOUNTED TO EXISTING CEILING STRUCTURE, WITH PLASTIC SECURITY ENCLOSURE, TYPICAL OF 2. EXISTING LOUDSPEAKER
CLUSTER. REAIM AS DIRECTED
ONSITE BE ACOUSTICAL CONSULTANT, TYPICAL OF 2.

AUDIO-VISUAL SYSTEM - FIRST FLOOR AND STAGE PLAN

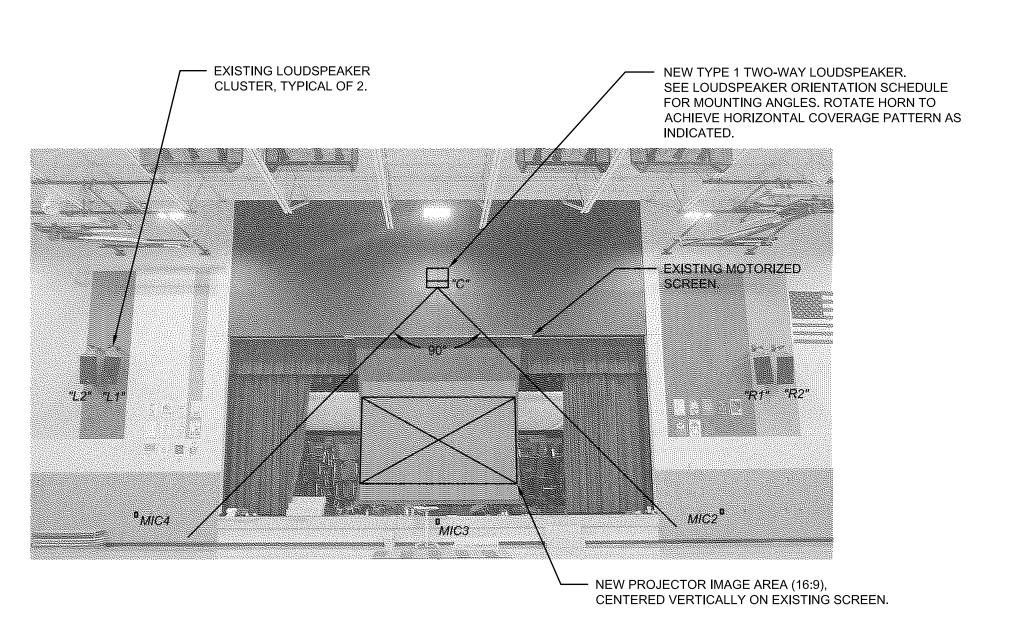
1/8" = 1'-0"

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STAGE AND GYMNASIUM SECTION



4 GYMNASIUM ELEVATION FACING STAGE
Not to scale

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**o** 03/05/2021

REVISED DATE:

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SHEET CONTENTS:

PLANS AND SECTIONS

HTK PROJECT NUMBER: ● 1707.05-004

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LOUDSPEAKER ORIENTATION SCHEDULE

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

### TO ORIENT LOUDSPEAKERS

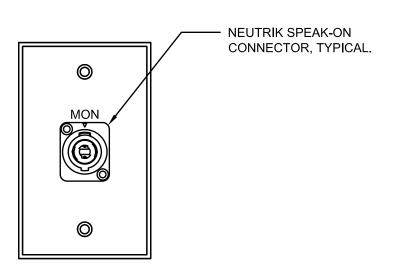
- 1. VIEW ALL LOUDSPEAKERS FROM THE REAR. 2. ROLL LOUDSPEAKER TO SCHEDULED ANGLE CLOCKWISE (CW) OR COUNTERCLOCKWISE (CCW).
- 3. ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE. 4. ROTATE HORN/WAVEGUIDE AS NECESSARY TO PROVIDE ABOVE INDICATED COVERAGE ANGLE.
- 5. TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL. 6. PLAN EAST EQUALS 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS (PARALLEL TO CENTER LINE OF ROOM)

### 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

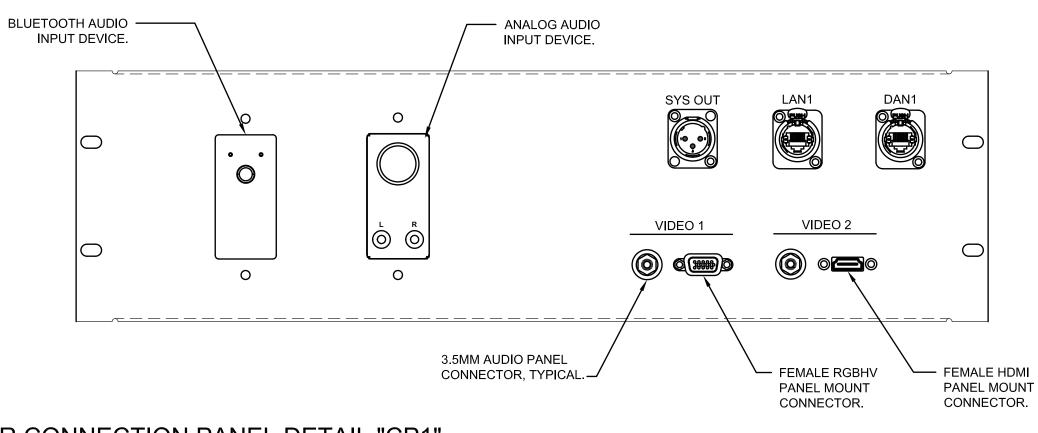
- 1. UNLESS NOTED OTHERWISE, STANDARD GANG CONNECTION PANELS SHALL BE SIERRA STAINLESS STEEL WALL PLATES, OR COLOR AS SELECTED BY ARCHITECT.
- 2. ALL CONNECTION PANELS SHALL HAVE COUNTERSUNK SCREW HOLES AND PHILLIPS COUNTERSUNK OR OVAL-HEAD SCREWS FINISHED TO MATCH PANEL. ALL LETTERING SHALL BE ENGRAVED 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.



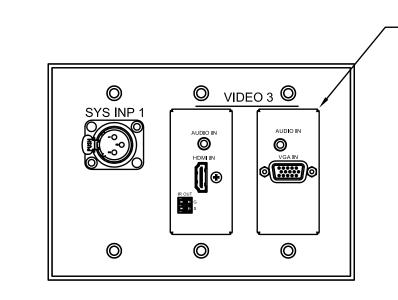
FEMALE XLR CONNECTOR, TYPICAL.

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

4 MICROPHONE CONNECTION PLATE DETAIL, TYPICAL

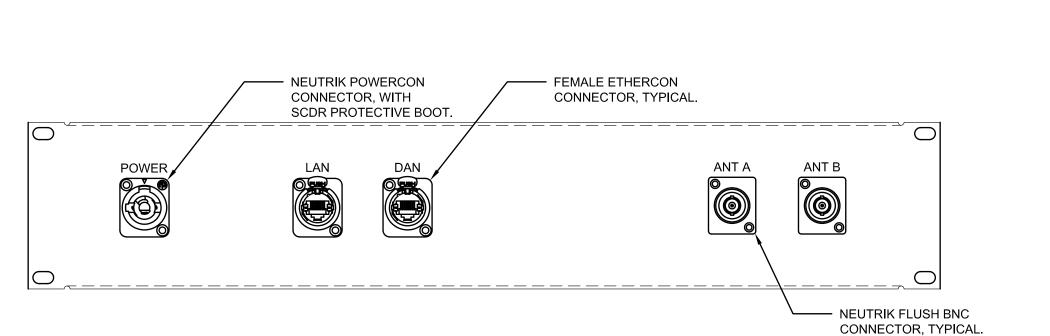


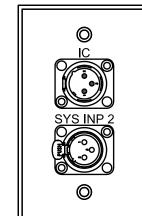
5 MER CONNECTION PANEL DETAIL "CP1"



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

SHEET CONTENTS: RACK ELEVATIONS and details

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HTK PROJECT NUMBER: 1707.05-004

AV251

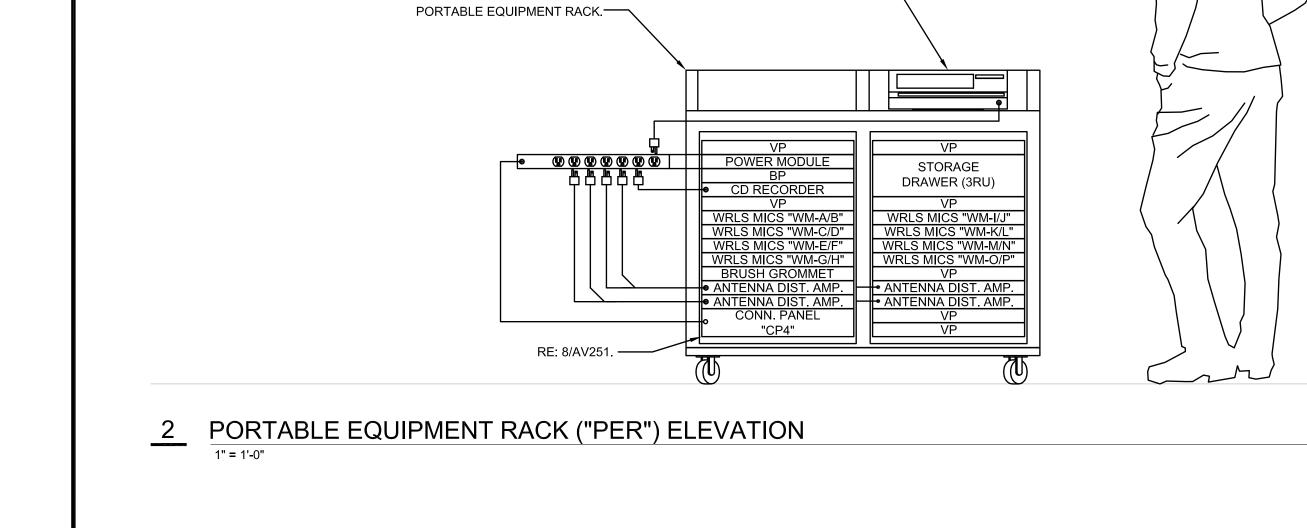
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INDIAN

**o** 03/05/2021

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HARD-WIRED

~-----

**1** FANS

**᠑ □** RACK LIGHT

CCT 1

CCT 1

CCT 1

CCT 1

CCT 2

CCT 2

MAIN EQUIPMENT RACK ("MER") ELEVATION

SEQ STEP 4

CONNECTION TO AC

POWER CIRCUITS

RECESS AS NEEDED

FOR DOOR CLOSURE.

BLUETOOTH

DIGITAL MIXING CONSOLE IN CUSTOM

FOAM CUT-OUT SURFACE.

PANEL

STORAGE

DRAWER (3RU)

BREAKOUT

NEW FLOORSTANDING EQUIPMENT RACK.

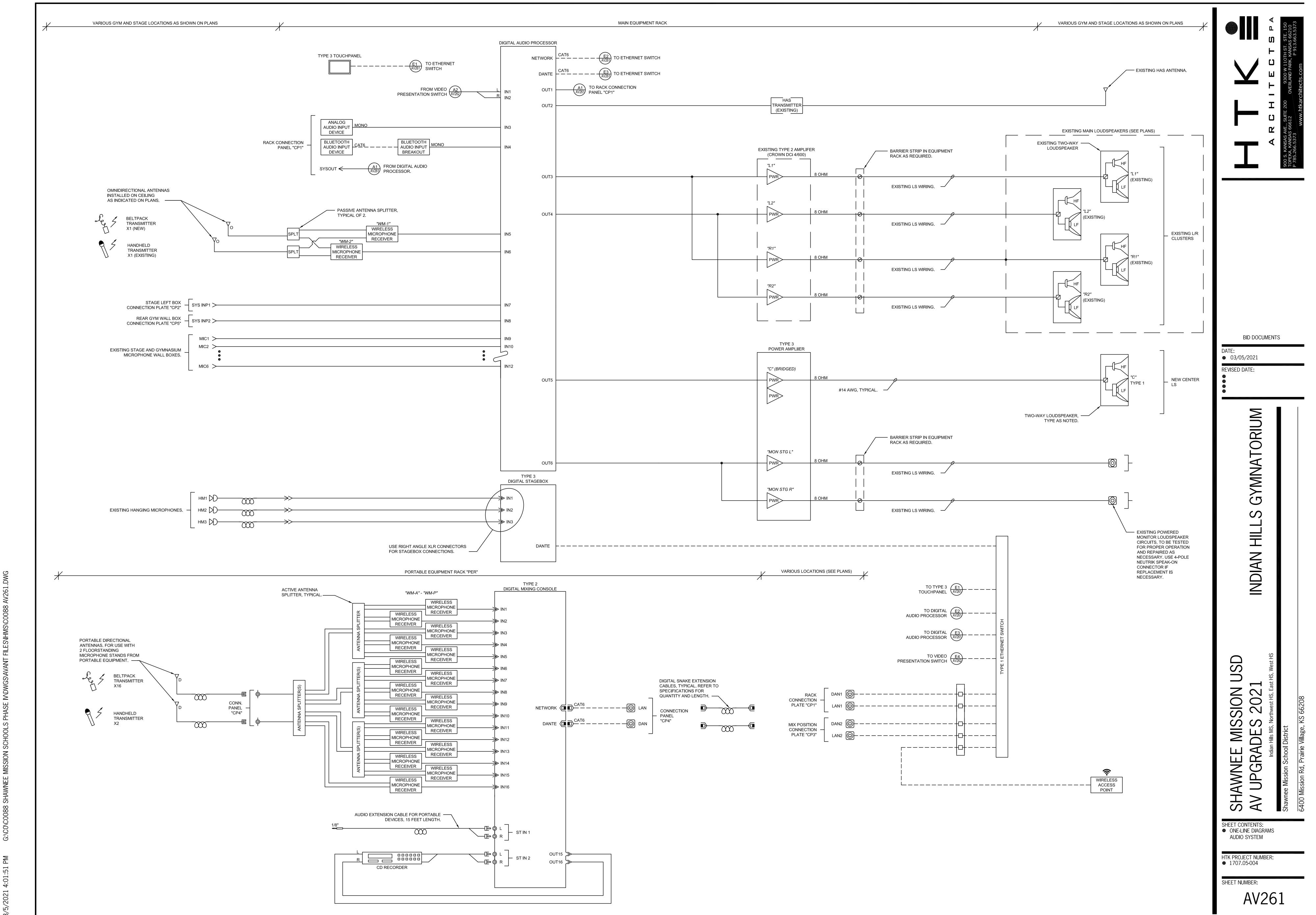
PATCH PANEL
ETHERNET SWITCH •

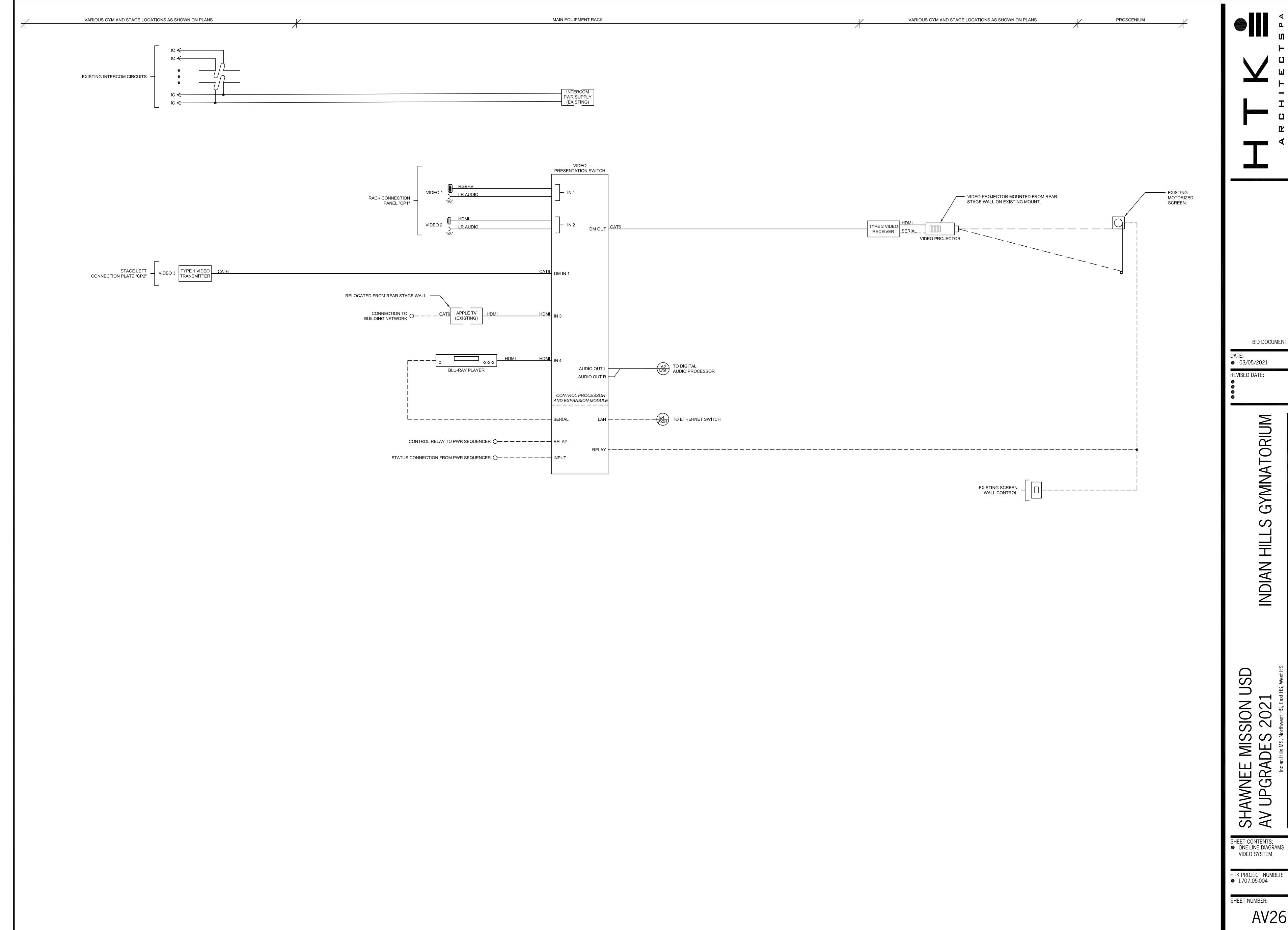
**1999999999** (UNSWITCHED)

~ RE: 5/AV251.

- MOUNTED ON REAR.

RACK RAILS.





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GYMNATORIUM

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03/05/2021 REVISED DATE:

> SHEET CONTENTS: DEMOLITION PLANS AND DETAILS

HAWI V UP

USD

HTK PROJECT NUMBER: 1707.05-004

SHEET NUMBER:

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.

 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

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709 P 785.266.5373

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DATE:

• 03/05/2021

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S 2021
Northwest HS, East HS, West HS

UPGKADES
Indian Hills MS, North
The Mission School District

SHEET CONTENTS: ● FLOOR PLAN

HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

GENERAL INSTALLATION NOTES

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.

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■ 03/05/2021

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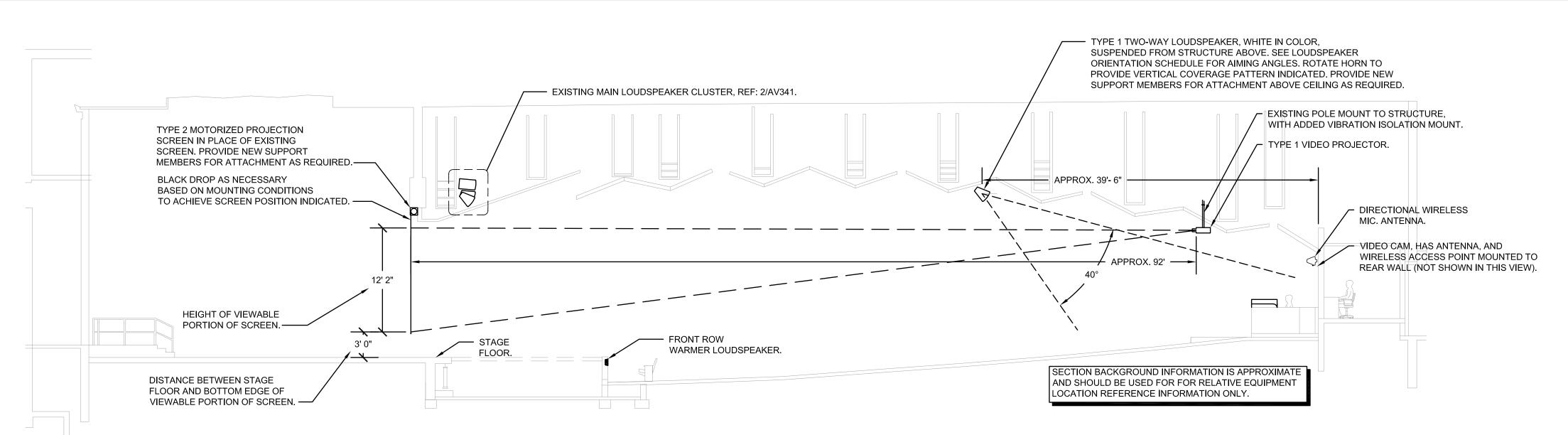
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Hills MS, Northwest HS, East HS, West HS

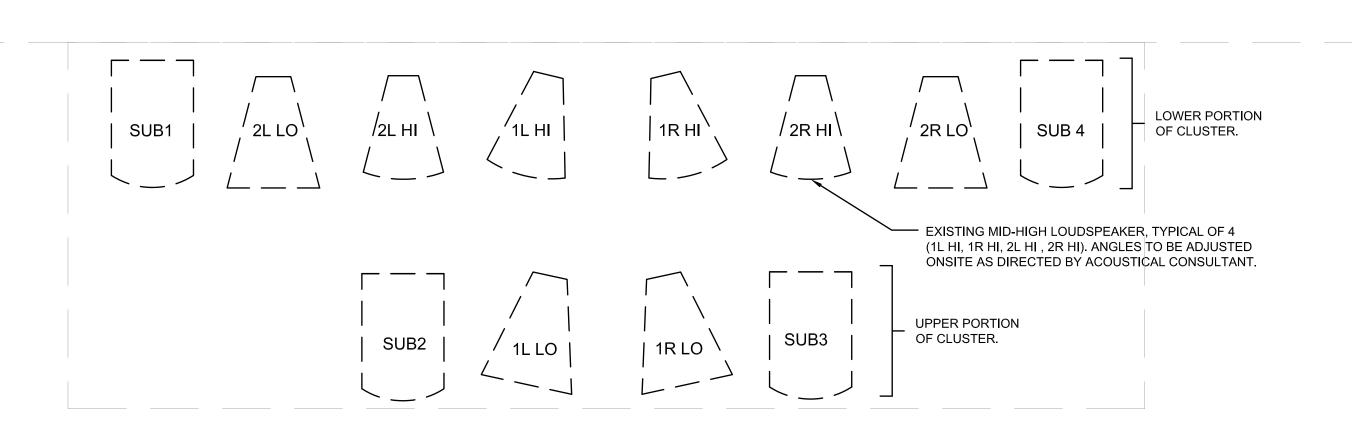
SHEET CONTENTS: ● CEILING/CATWALK PLAN

HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

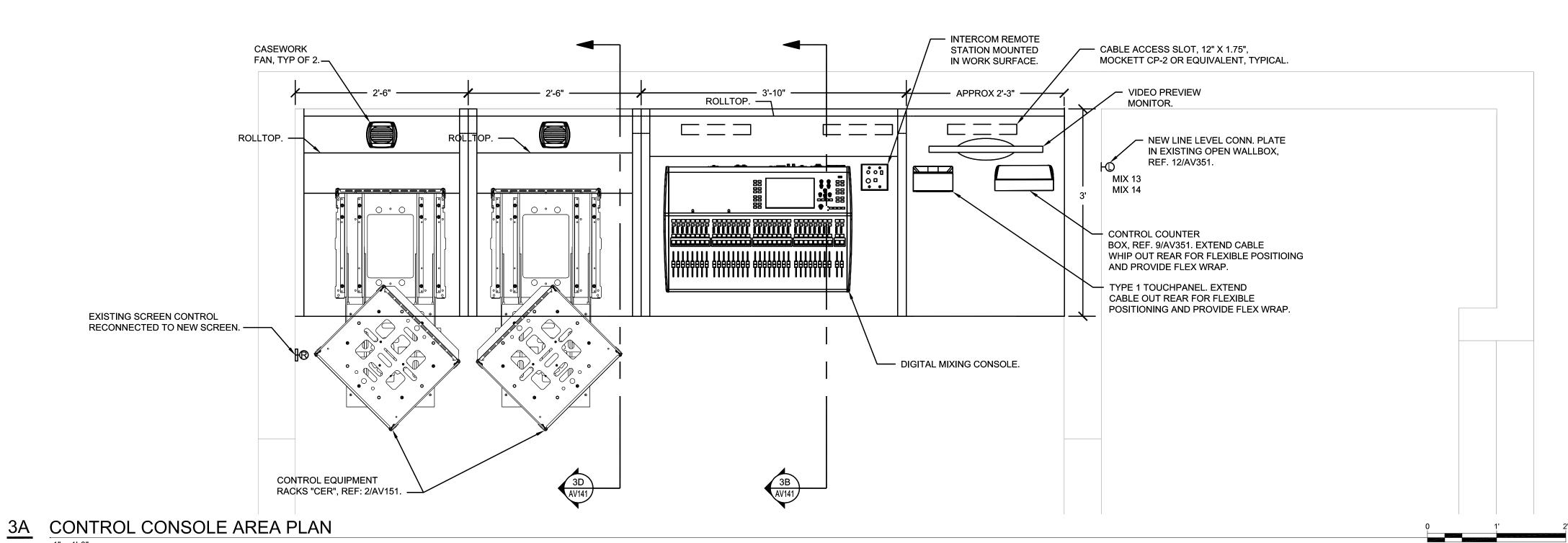


**AUDITORIUM SECTION** 



2 MAIN LOUDSPEAKER DETAIL

1/2" = 1'-0"



APPROX. 2'-3" \_\_\_\_\_\_ ' ROLLTOP HANDLE, TYPICAL OF TWO PER ROLLTOP. ——— (VERIFY) ROLLTOP SHOWN IN OPEN POSITION. — CONTROL EQUIPMENT RACKS "CER", REF. 2/AV151. ————— - COUNTER SECTION, WITH REMOVABLE FILLER PANELS, FLUSH WITH FACE OF RACK, TYPICAL EACH RACK. — 3.00" PLASTIC RACEWAY. TOE KICK VENT PANEL, TYP. OF 2. ——— PROVIDE CUTOUT(S) AS NECESSARY TO ACCESS WIREMOLD PLUGMOLD 2000 SERIES WITH 6-INCH OUTLET SPACING. EXISTING AC POWER AND AUDIO CIRCUIT CONDUITS.

CONTROL CONSOLE AREA ELEVATION

51

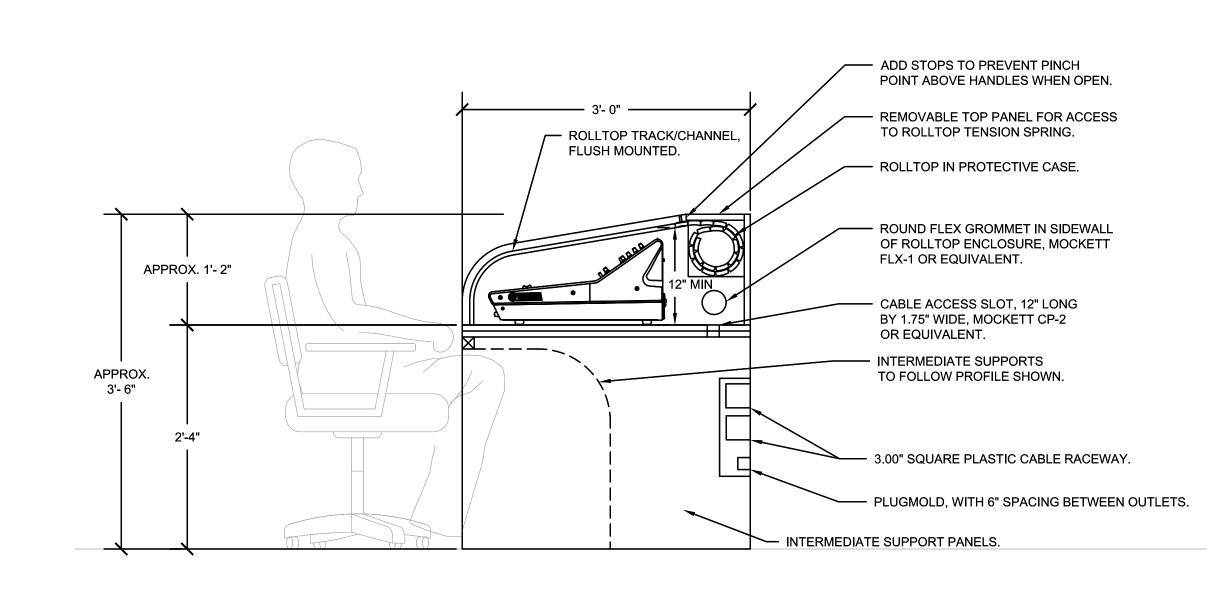
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LOUDSPEAKER NOTES

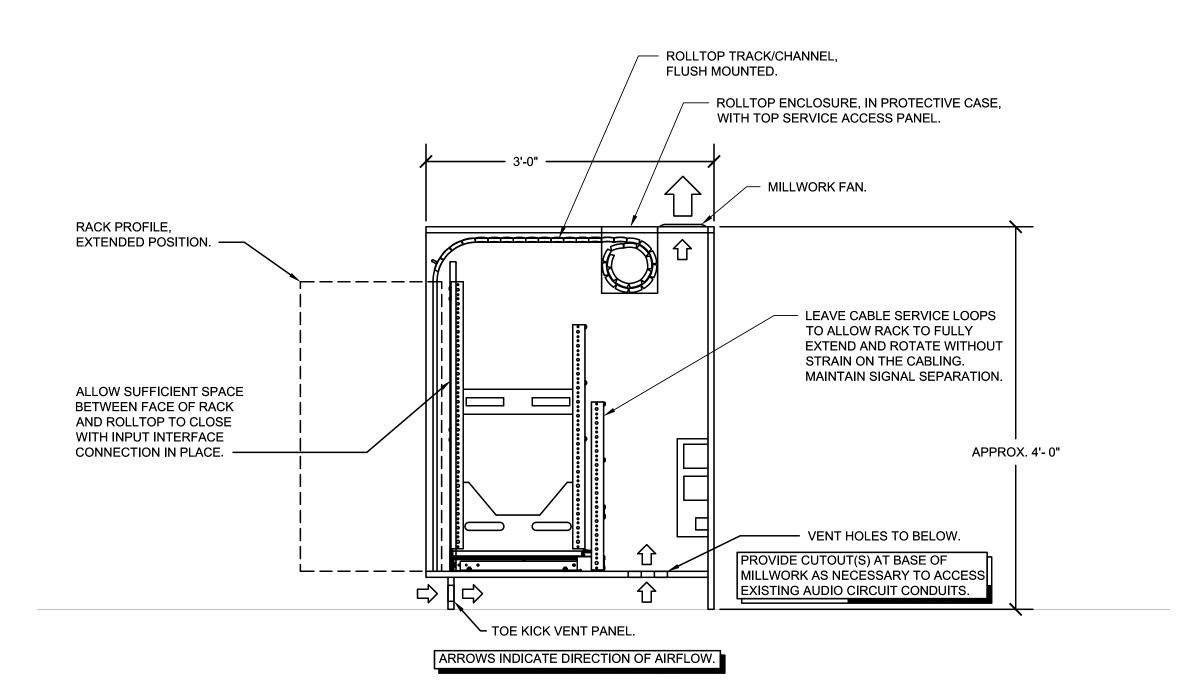
- 1. STRUCTURAL DETAILS, STRUCTURAL MEMBER TYPES, SIZES, AND ATTACHMENT METHODS ARE SHOWN FOR CONCEPT ONLY. ATTENTION IS CALLED TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING APPROVAL OF THE EXACT DETAILS TO BE USED.
- 2. INSTALL LOUDSPEAKERS SO THERE ARE NO OBSTRUCTIONS TO EACH LOUDSPEAKER'S 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 HORIZONAL SURFACES, INCLUDING COUNTERTOPS, AND GP-28 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, "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



3D CONTROL EQUIPMENT RACK SIDE ELEVATION

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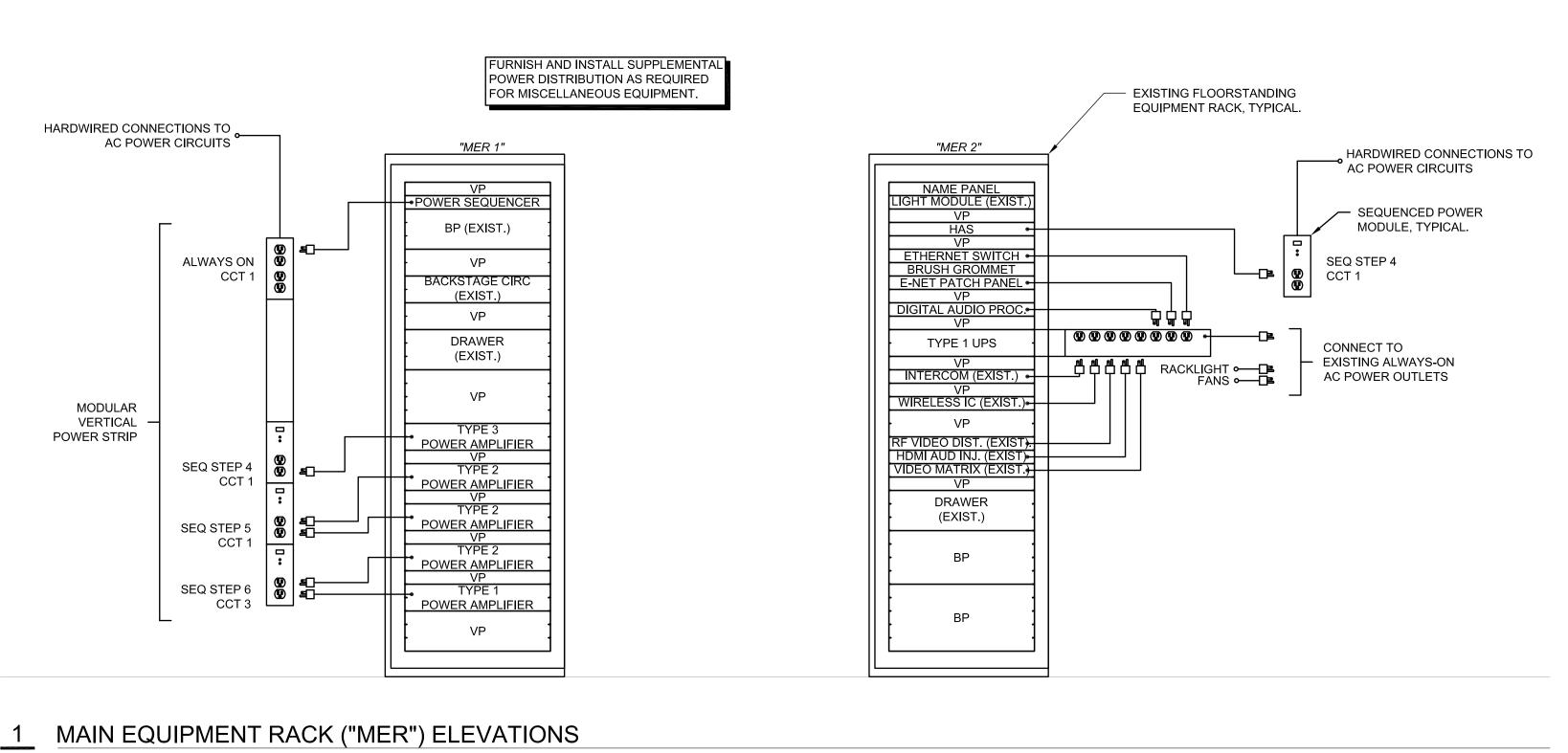
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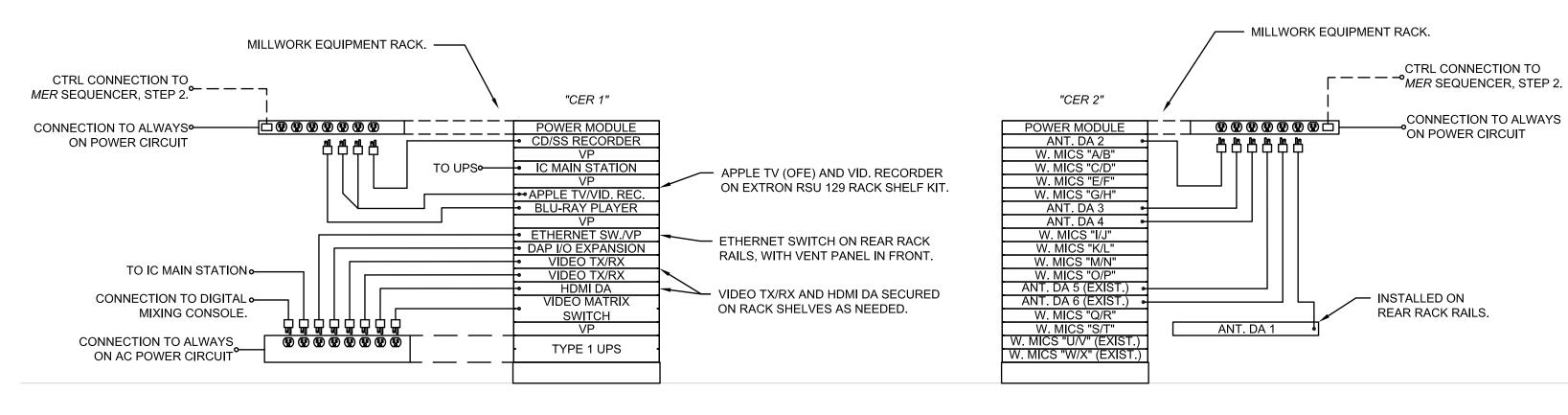
SHEET CONTENTS: SECTION, ENLARGED PLANS, AND DETAILS

HTK PROJECT NUMBER: 1707.05-004

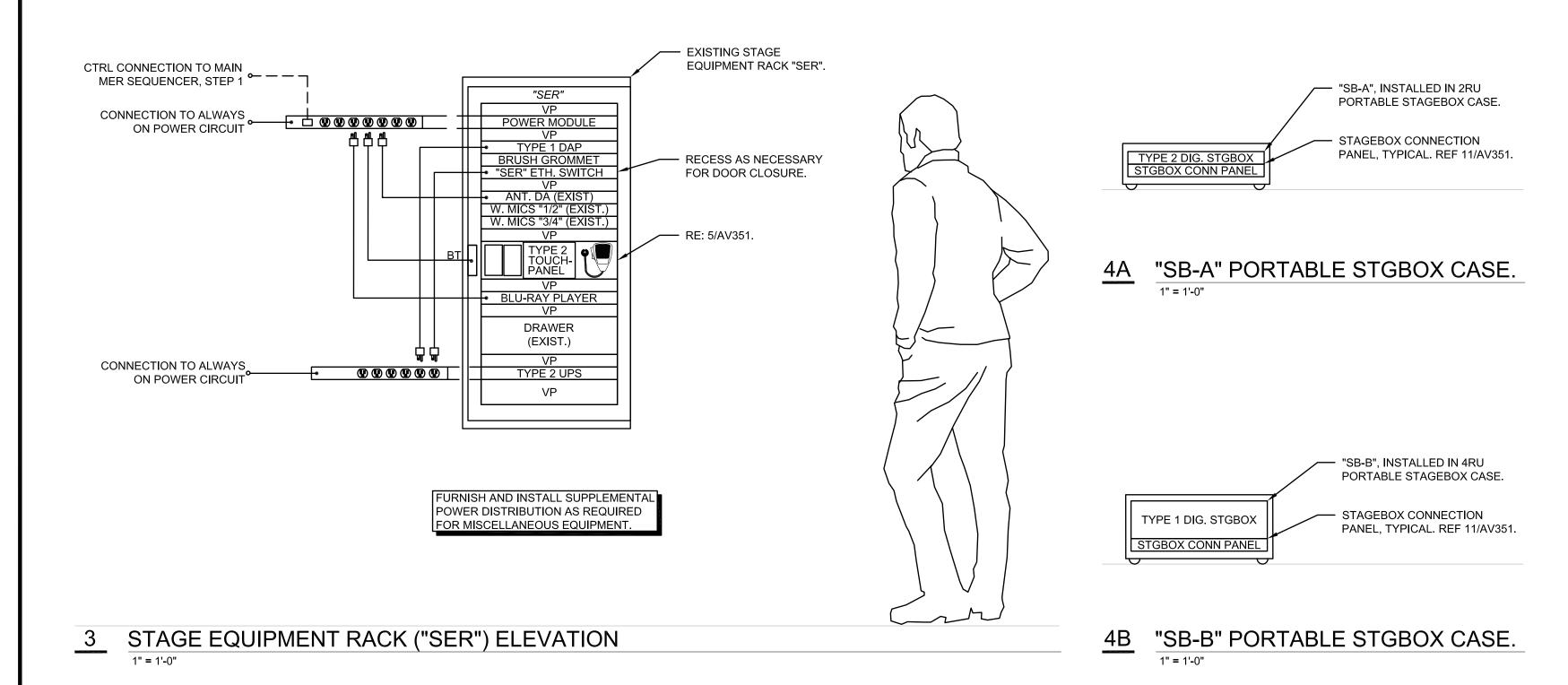
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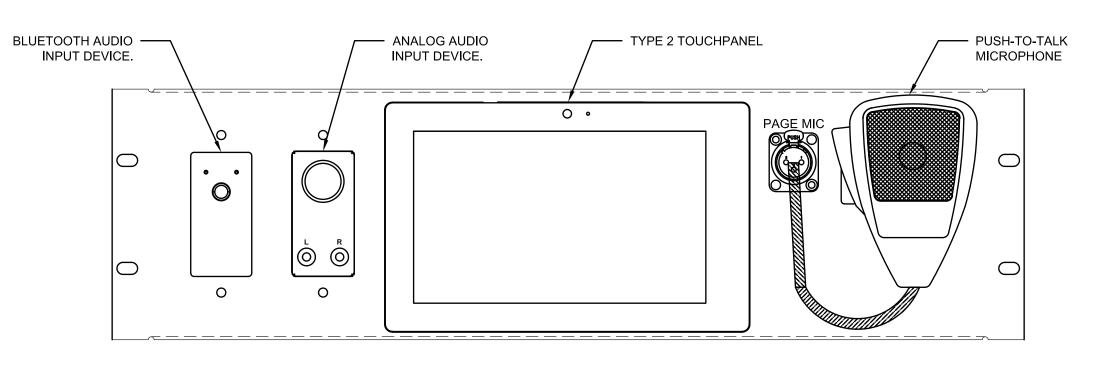




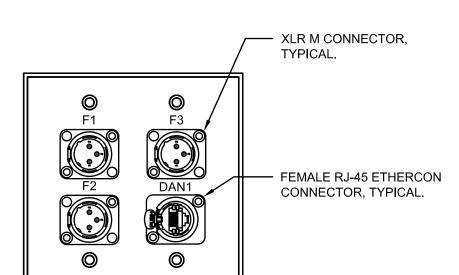


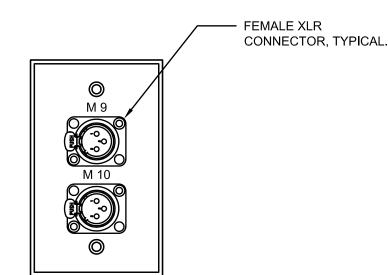
CONTROL EQUIPMENT RACKS ("CER") ELEVATIONS

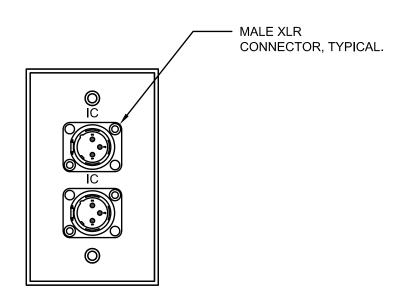




SER CONNECTION PANEL DETAIL 6" = 1'-0"



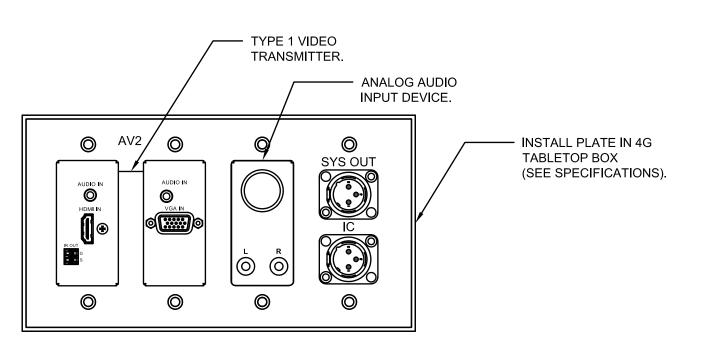




FLEX I/O PANEL DETAIL, TYPICAL.

MICROPHONE PANEL DETAIL, TYPICAL.

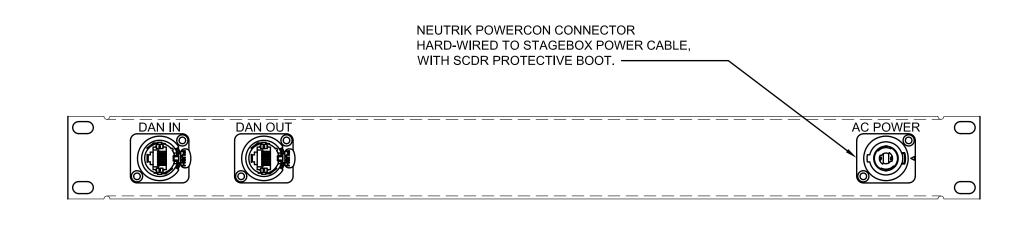
8 INTERCOM PANEL DETAIL, TYPICAL.



TYPE 1 VIDEO TRANSMITTER. AV1 / MIC2 0 0

CONTROL CONSOLE BOX CONNECTION PANEL

STAGE LEFT WING AV CONNECTION PANEL



CONNECTOR, TYPICAL. MIX 13 MIX 14

11 STAGEBOX CONNECTION PANEL, TYPICAL

12 MIXER OUTPUT PANEL DETAIL.

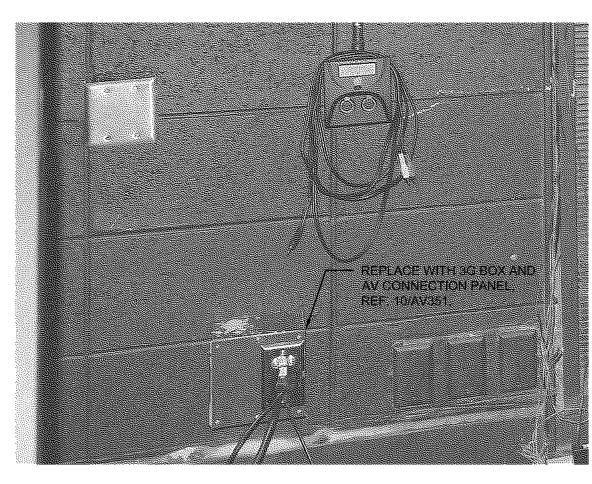
### **EXISTING CONNECTION PANEL NOTES**

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.

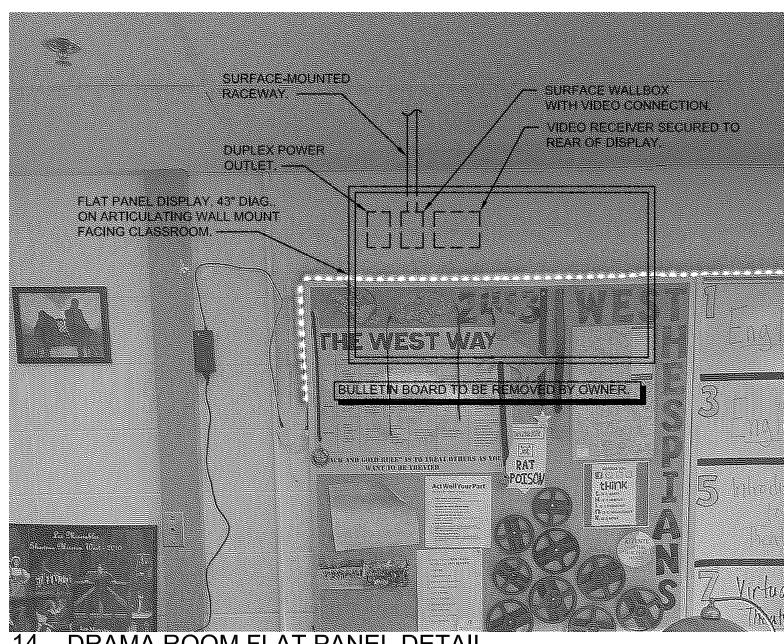
### GENERAL CONNECTION PANEL NOTES

ON THE PANEL.

- 1. 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.
- 3. ALL STANDARD SIZED RACK PANELS USED TO MOUNT CONTROLS OR CONNECTORS SHALL HAVE FORMED EDGES, WITH ALL LETTERING ENGRAVED AND FILLED DIRECTLY
- 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.



STAGE LEFT WING AV CONNECTION PANEL DETAIL



DRAMA ROOM FLAT PANEL DETAIL

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**o** 03/05/2021

**REVISED DATE:** 

SHEET CONTENTS: RACK ELEVATIONS AND DETAILS

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**o** 03/05/2021

REVISED DATE:

SHEET CONTENTS: DEMO PLANS & DETAILS

HTK PROJECT NUMBER: ● 1707.05-004

 LOOSE SHURE WIRELESS RECEIVER AND TRANSMITTERS (SIX QLXD1 BELTPACKS, ONE QLXD2 HANDHELD) TO BE RETAINED

FOR REUSE WITH NEW SYSTEM.

REMOVE SHURE WIRELESS RECEIVERS (5 IN

PORTABLE RACK, ONE LOOSE ON TOP OF RACK)
FOR REINSTALLATION AS SHOWN ON DRAWINGS.

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.

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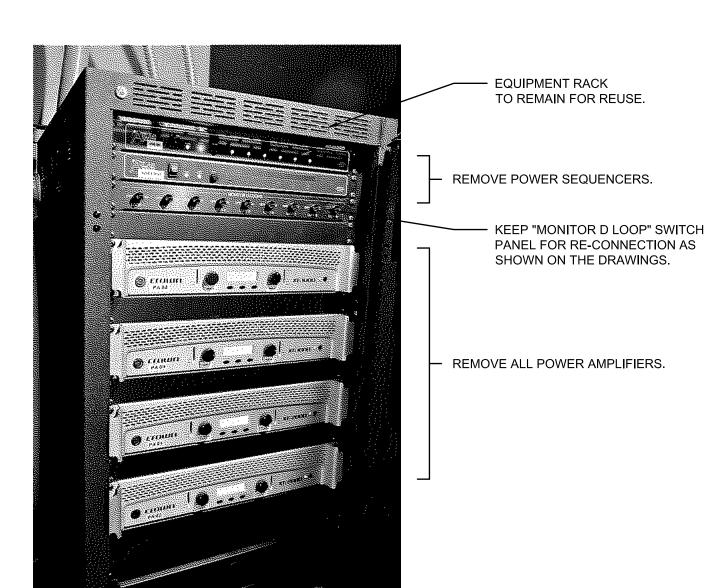
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SHEET CONTENTS: DEMO DETAILS

HTK PROJECT NUMBER: 1707.05-004

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.



— KEEP RACK DRAWER FOR REINSTALLATION AS SHOWN ON THE DRAWINGS.

- REMOVE ALL POWER AMPLIFIERS.

EXISTING MAIN EQUIPMENT RACK #2 DEMO DETAIL

Not to scale



1 AUDITORIUM CATWALK EQUIPMENT DEMO DETAIL

Not to scale

REMOVE EXISTING SEQUENCED MODULAR POWER OUTLETS IN REAR OF RACK (ATLAS).

REMOVE SYSTEM POWER

REMOVE VIDEO MONITOR AND DIGITAL AUDIO PROCESSORS.

— KEEP VIDEO MODULATOR FOR REINSTALLATION AS SHOWN ON DRAWINGS. SAME UNIT IS ALSO

 KEEP VIDEO MODULATOR FOR REINSTALLATION AS SHOWN ON

AS SHOWN ON THE DRAWINGS.

ASSISTANCE TRANSMITTER.

REMOVE EXISTING FM TYPE HEARING

- KEEP RACK DRAWER FOR REINSTALLATION

KEEP WIRELESS INTERCOM TRANSCEIVER AND WIRED INTERCOM POWER SUPPLY

FOR REINSTALLATION AS SHOWN ON THE

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

SHOWN BELOW.

DRAWINGS.

CONTROL PANEL.

- EQUIPMENT RACK TO REMAIN FOR REUSE.

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

DO CHATTE LET

FOR RECONNECTION AS INDICATED ON THE EXISTING MICROPHONE LEVEL ISOLATION SPLITTERS FOR CIRCUITS MIC9 THRU MIC12 USED IN BOTH AUTO AND MANUAL MIX MODES.

EXISTING MICROPHONE CIRCUIT JUNCTION BOX

ABOVE RACK #1. PROTECT ALL EXISTING CIRCUITS

5 EXISTING JUNCTION BOX DEMO DETAIL
Not to scale

4 EXISTING PORTABLE WIRELESS RACK DEMO DETAIL
Not to scale

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3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.

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EET CONTENTS: FLOOR PLANS

HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.

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## LOUDSPEAKER ORIENTATION SCHEDULE

00112022									
LOUDSPEAKER DESIGNATOR	COVERAGE PATTERN HOR .X VERT.	ROLL ROTATION (DEGREES)	HORIZONTAL ROTATION (DEGREES)	VERTICAL TILT-DOWN (DEGREES)					
SC-1 SC-2L SC-2R	60 X 45 60 X 45 60 X 45	NOTE 6 NOTE 6 NOTE 6	0 NOTE 7 NOTE 7	35 NOTE 8 NOTE 8					
SC-3L SC-3R	60 X 45 60 X 45	NOTE 6	SEE PLAN SEE PLAN	40 40					
ES-1	60 X 45	0	0	25					
ES-2L ES-2R	60 X 45 60 X 45	0	0	25 25					
ES-3L ES-3R	60 X 45 60 X 45	0	SEE PLAN SE PLAN	30 30					
SAT-1	60 X 45	0	0	35					
SAT-2L SAT-2R	60 X 45 60 X 45	0 0	10L 10R	35 35					
SAT-3L SAT-3R	60 X 45 60 X 45	0 0	SEE PLAN SEE PLAN	40 40					

#### TO ORIENT LOUDSPEAKERS

- 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.
- ROTATE LOUDSPEAKER LEFT (L) OR RIGHT (R) TO SCHEDULED HORIZONTAL ANGLE.
   TILT DOWN TO SCHEDULED ANGLE BELOW HORIZONTAL.
- EXCEPT AS OTHERWISE NOTE, LINES PARALLEL TO THE CENTER LINE OF THE AUDITORIUM EQUAL 0 DEGREES HORIZONTAL ORIENTATION FOR ALL LOUDSPEAKERS.
   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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10PEKA, KANSAS 66612

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● 03/05/2021

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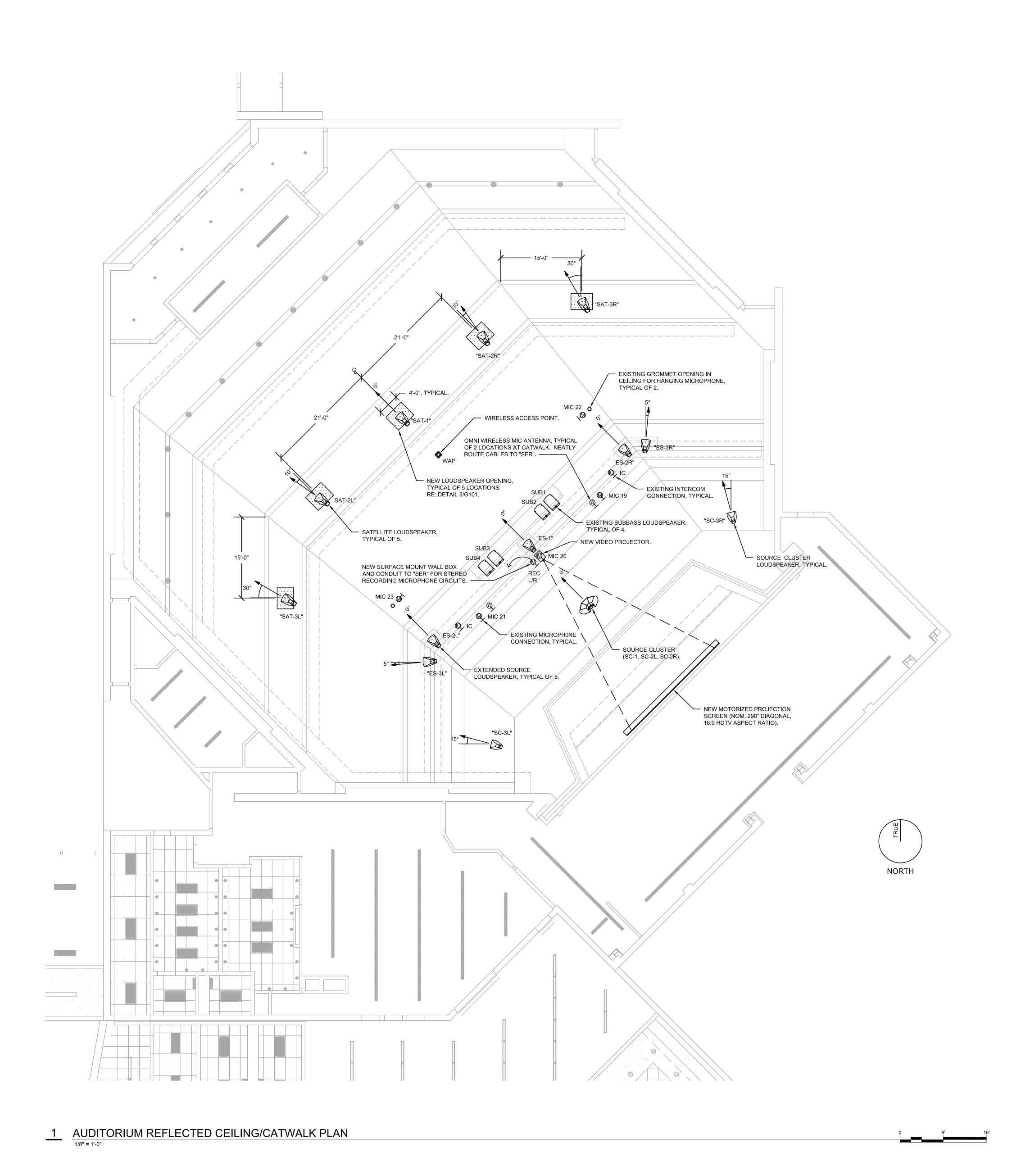
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CEILING/CATWALK PLAN

HTK PROJECT NUMBER: ● 1707.05-004

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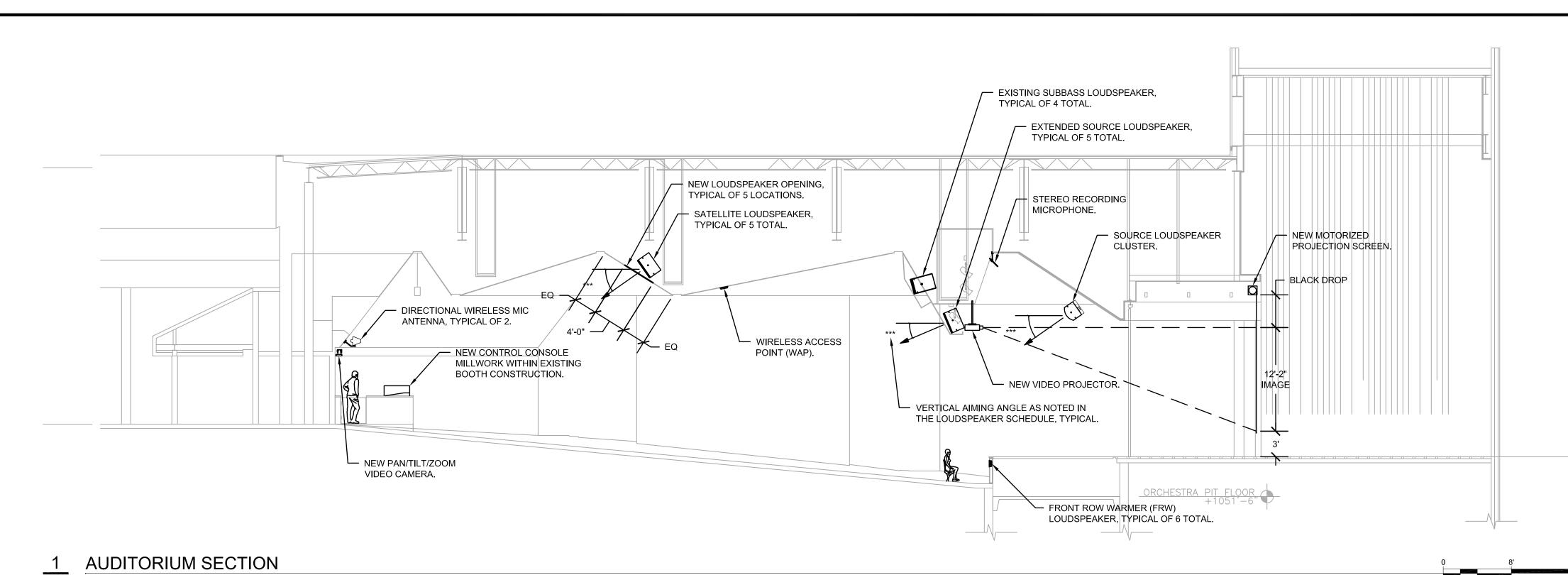
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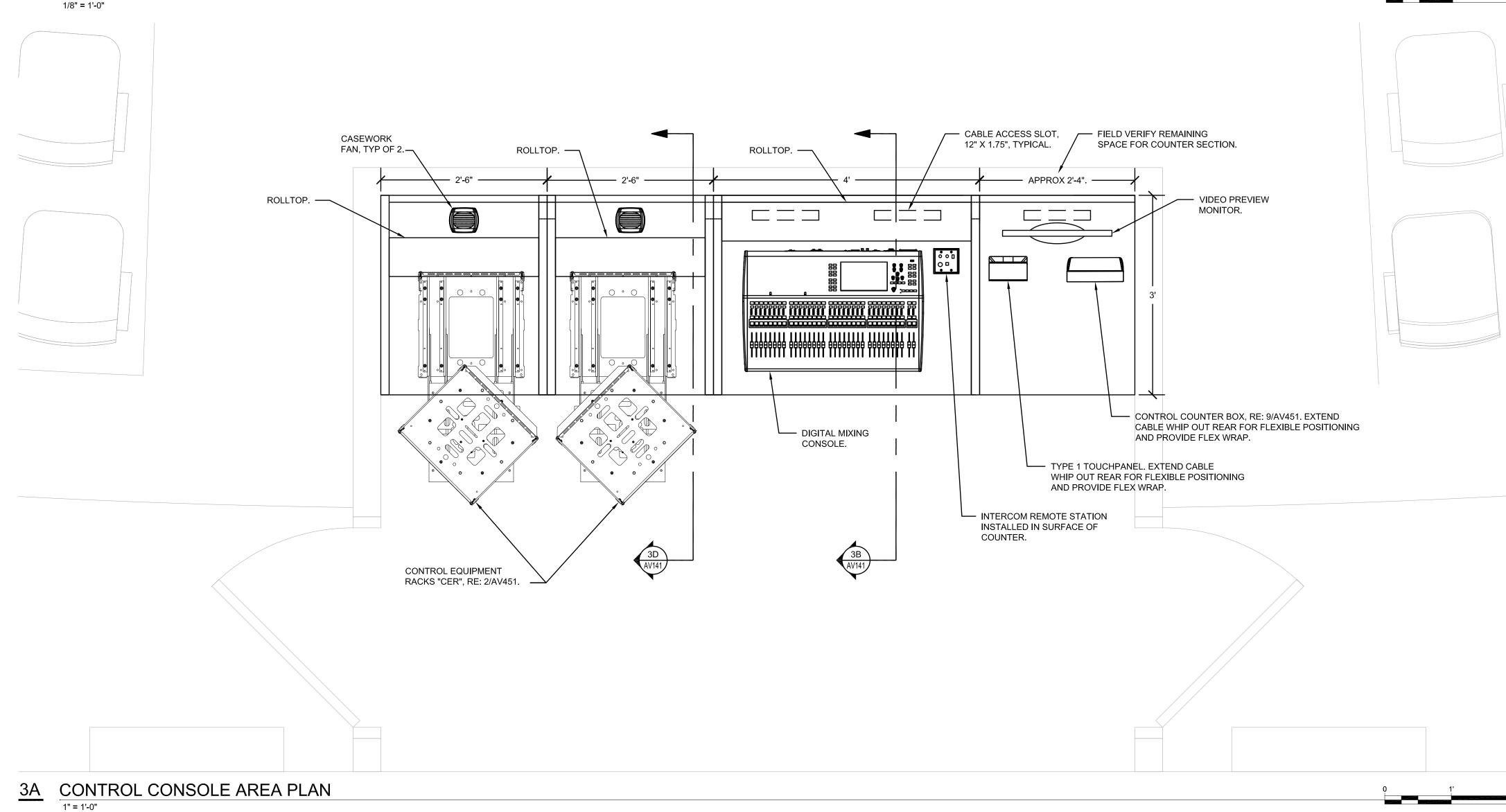
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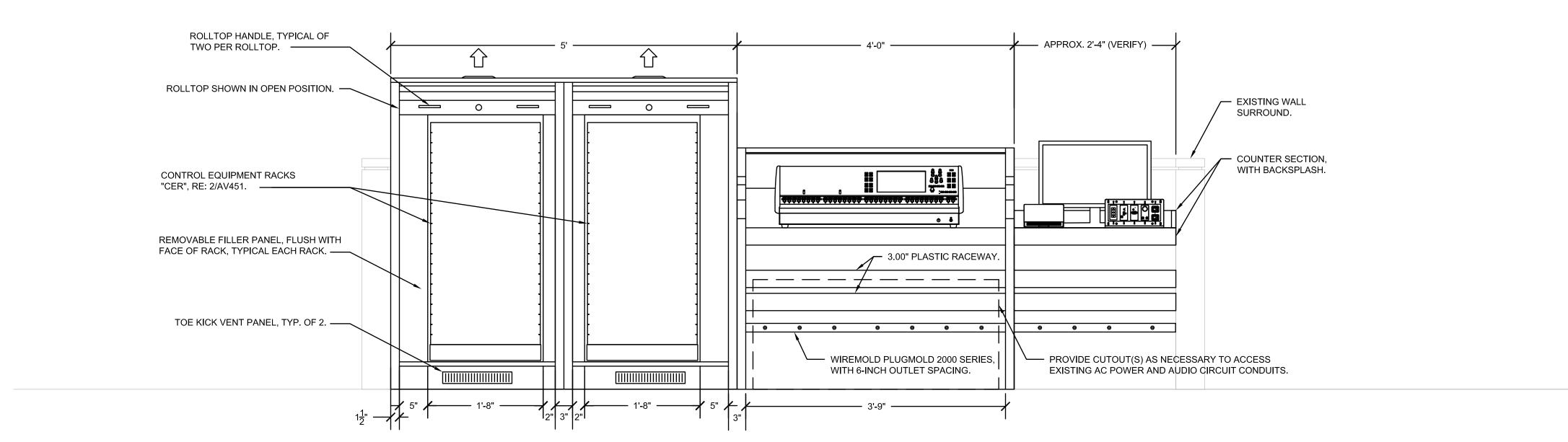
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1707.05-004

3D CONTROL EQUIPMENT RACK SIDE ELEVATION



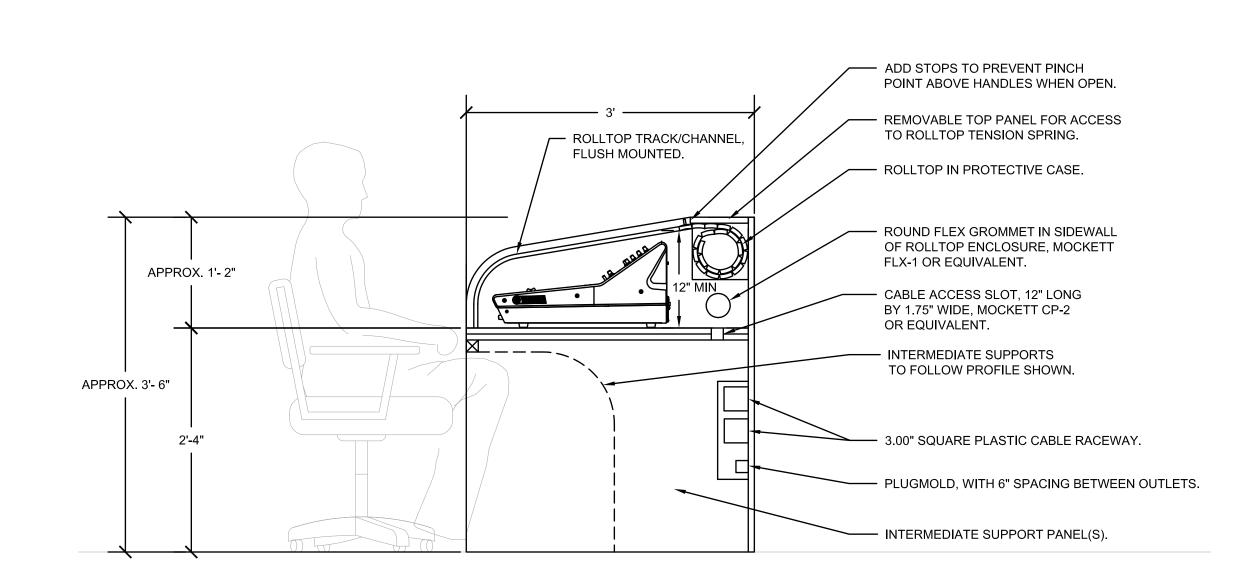




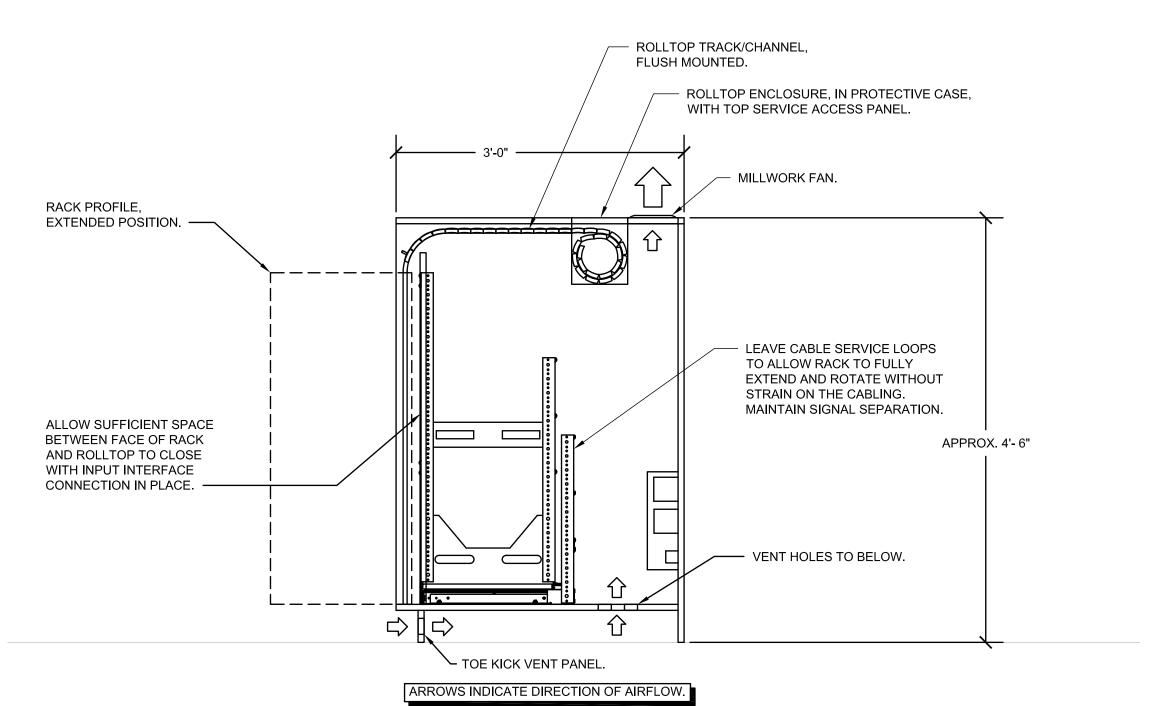
3C CONTROL CONSOLE AREA ELEVATION

### 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.
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- 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.



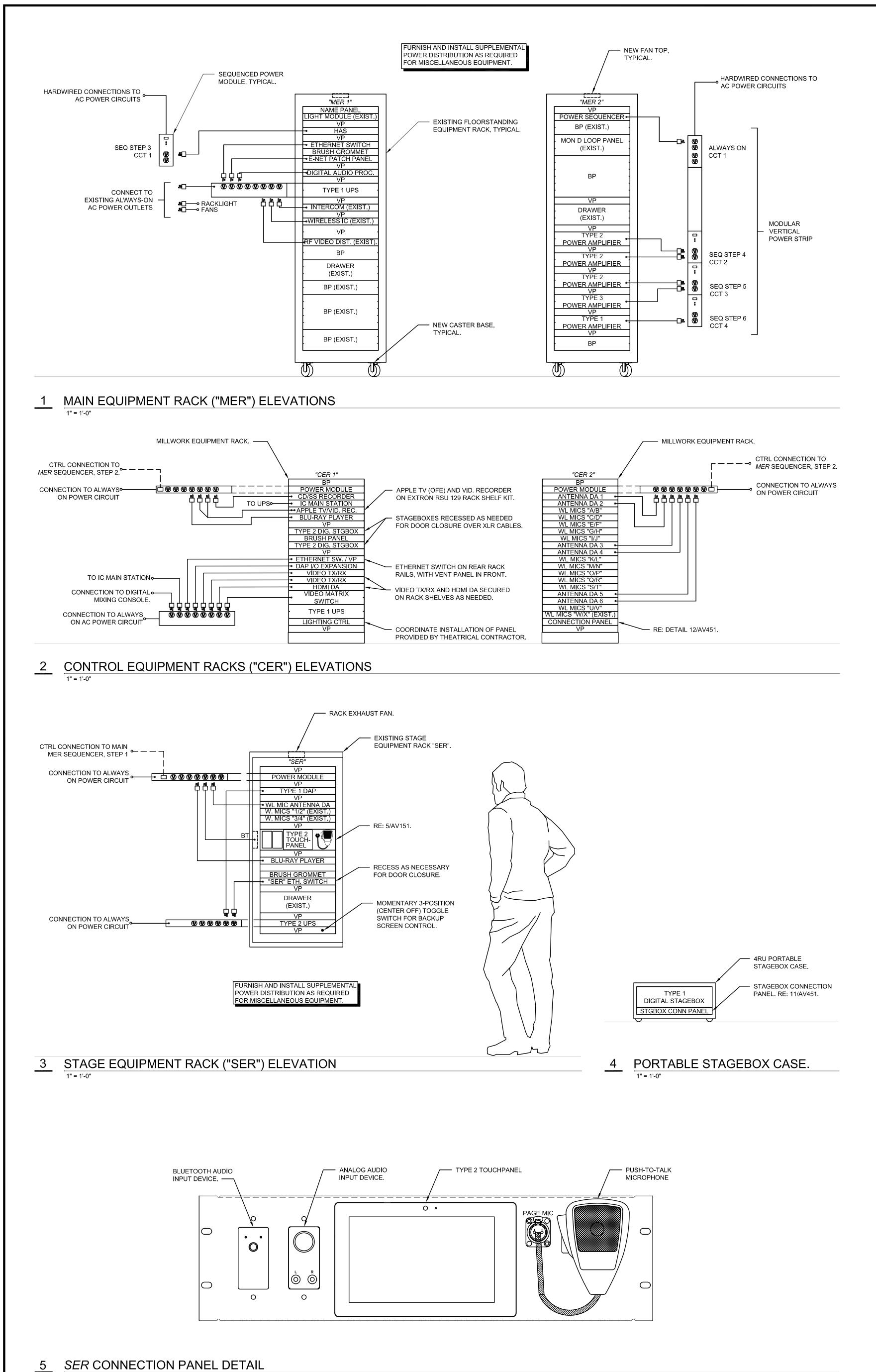
### 3B CONTROL CONSOLE SIDE ELEVATION 1" = 1'-0"

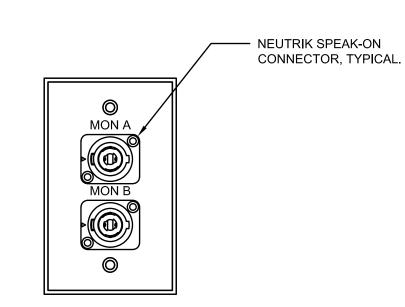


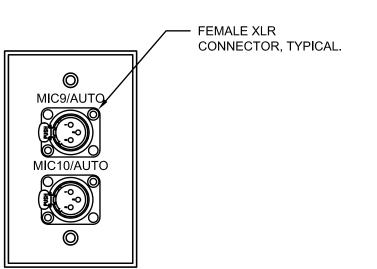
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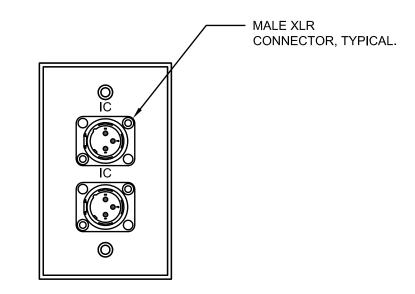


6" = 1'-0"





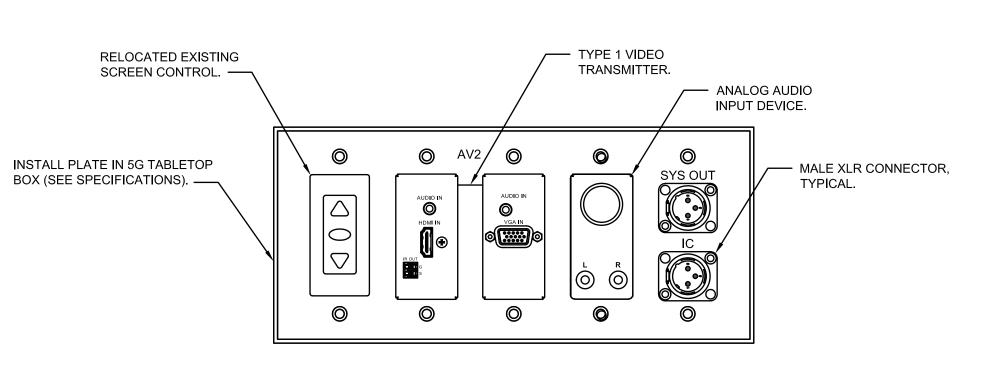




MONITOR LS PANEL DETAIL, TYPICAL

STAGE RIGHT AUTOMIX PLATE SHOWN.

8 INTERCOM PANEL DETAIL, TYPICAL.



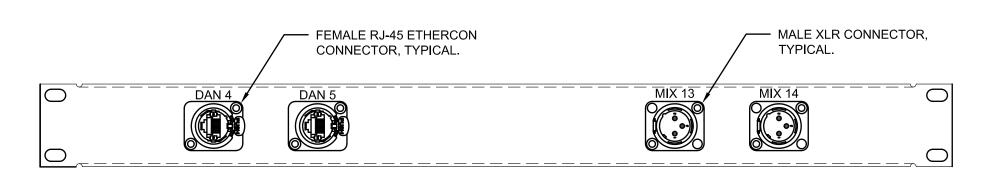
TYPE 1 VIDEO TRANSMITTER. 0

CONTROL CONSOLE TABLETOP BOX CONNECTION PANEL.

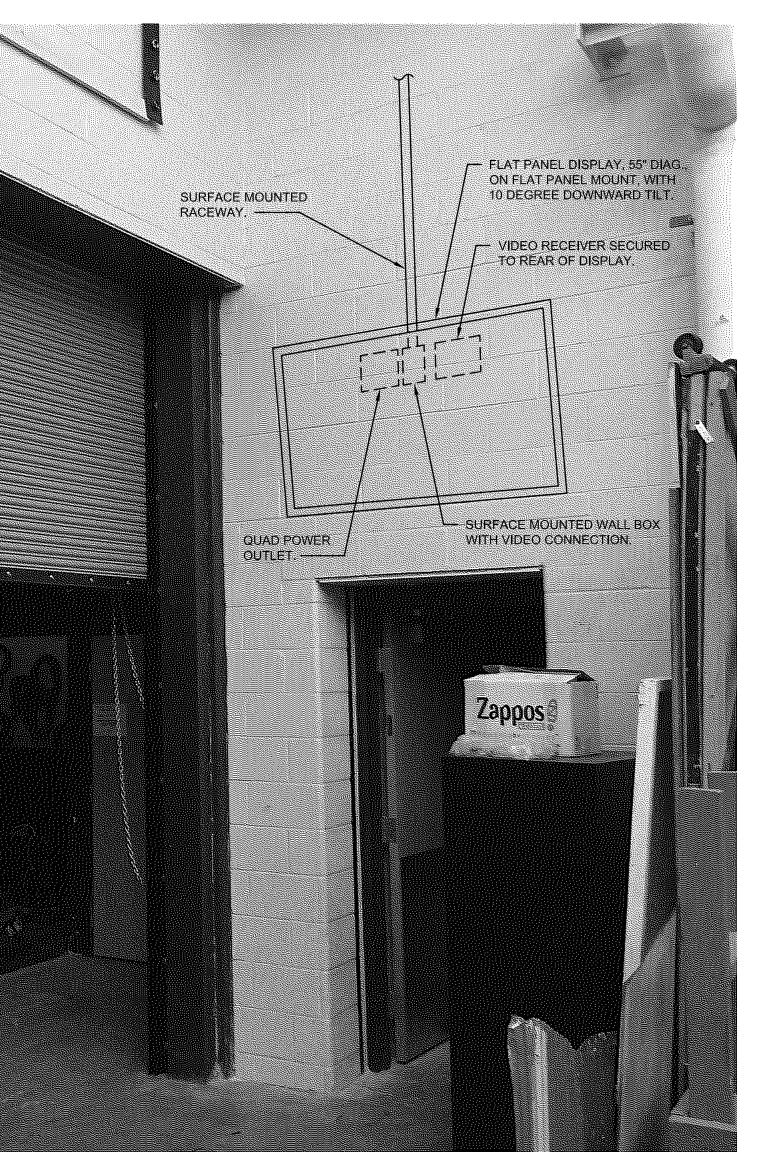
STAGE LEFT WING CONNECTION PANEL



11 STAGEBOX CONNECTION PANEL DETAIL 6" = 1'-0"



CONTROL EQUIPMENT RACK CONNECTION PANEL DETAIL



**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.

SHEET CONTENTS: RACK ELEVATIONS & DETAILS

**BID DOCUMENTS** 

**o** 03/05/2021

REVISED DATE:

HTK PROJECT NUMBER: ● 1707.05-004

AV451

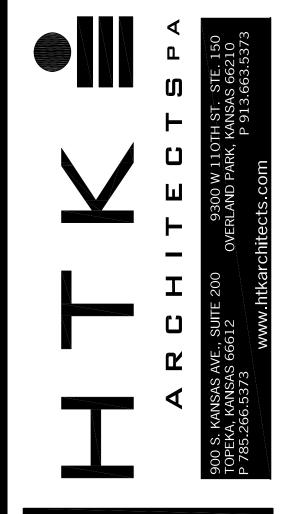
13 STAGECRAFT (SHOP) FLAT PANEL DISPLAY DETAIL

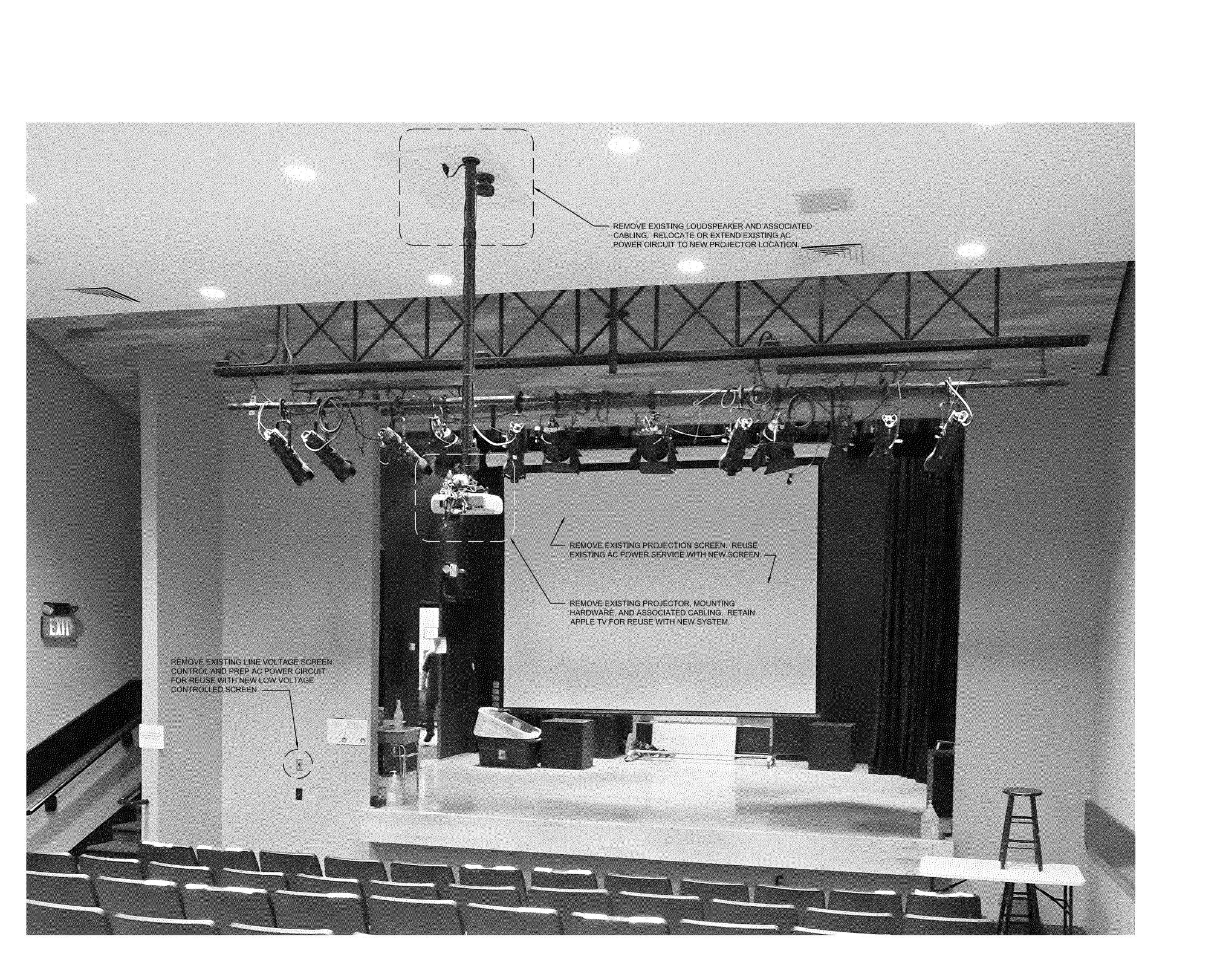
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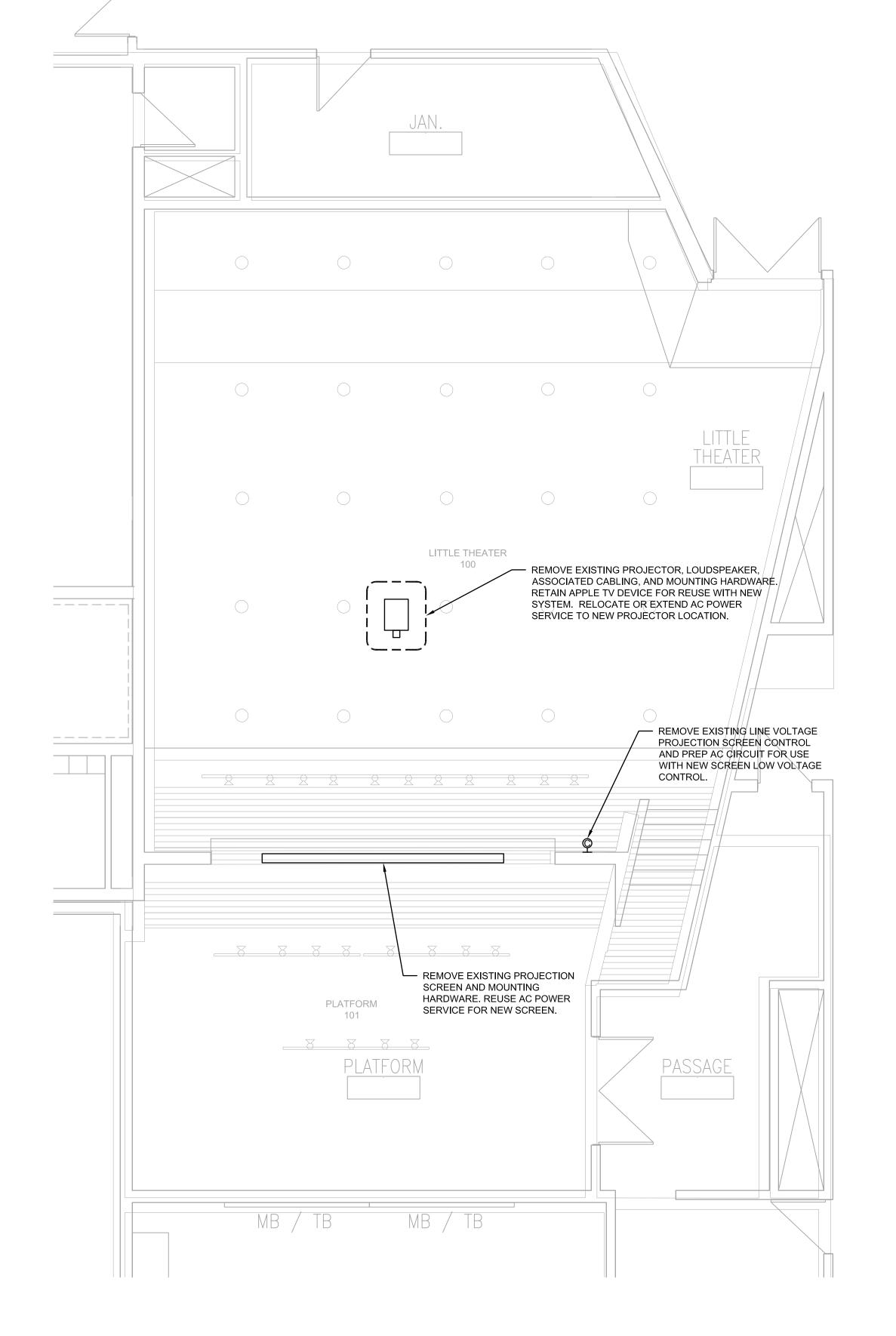
1 4:25:54 PM G:\CO\CO088 SHAWNEE MISSION SCHOOLS PHASE INDWGS\AVANT FILES\NORTHWEST\CO088 AV462.DWG

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 LITTLE THEATER DEMO COMPOSITE PLAN

1/4" = 1'-0"

G:\CO\CO088 SHAWNEE

2 LITTLE THEATER DEMO DETAILS
Not to scale

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**o** 03/05/2021

REVISED DATE:

SHAWNEE AV UPGRA

SHEET CONTENTS:

● DEMO PLAN & DETAILS

HTK PROJECT NUMBER: ● 1707.05-004

ROUTE CIRCUITS IN CONDUIT

/— NEW VIDEO CAMERA AND PROJECTOR ABOVE.

> ROUTE CIRCUITS UP WALL CAVITY TO AV EQUIPMENT RACK. RE: DETAIL 3/AV541.

> > SURFACE MOUNT BOX THIS LOCATION ONLY.

LAN1

TO AV EQUIPMENT RACK.

"RIGHT"

1 LITTLE THEATER FLOOR PLAN

1/4" = 1'-0"

└─ MAIN LOUDSPEAKER,

TYPICAL OF 2.

NEW PROJECTION

SCREEN ABOVE.

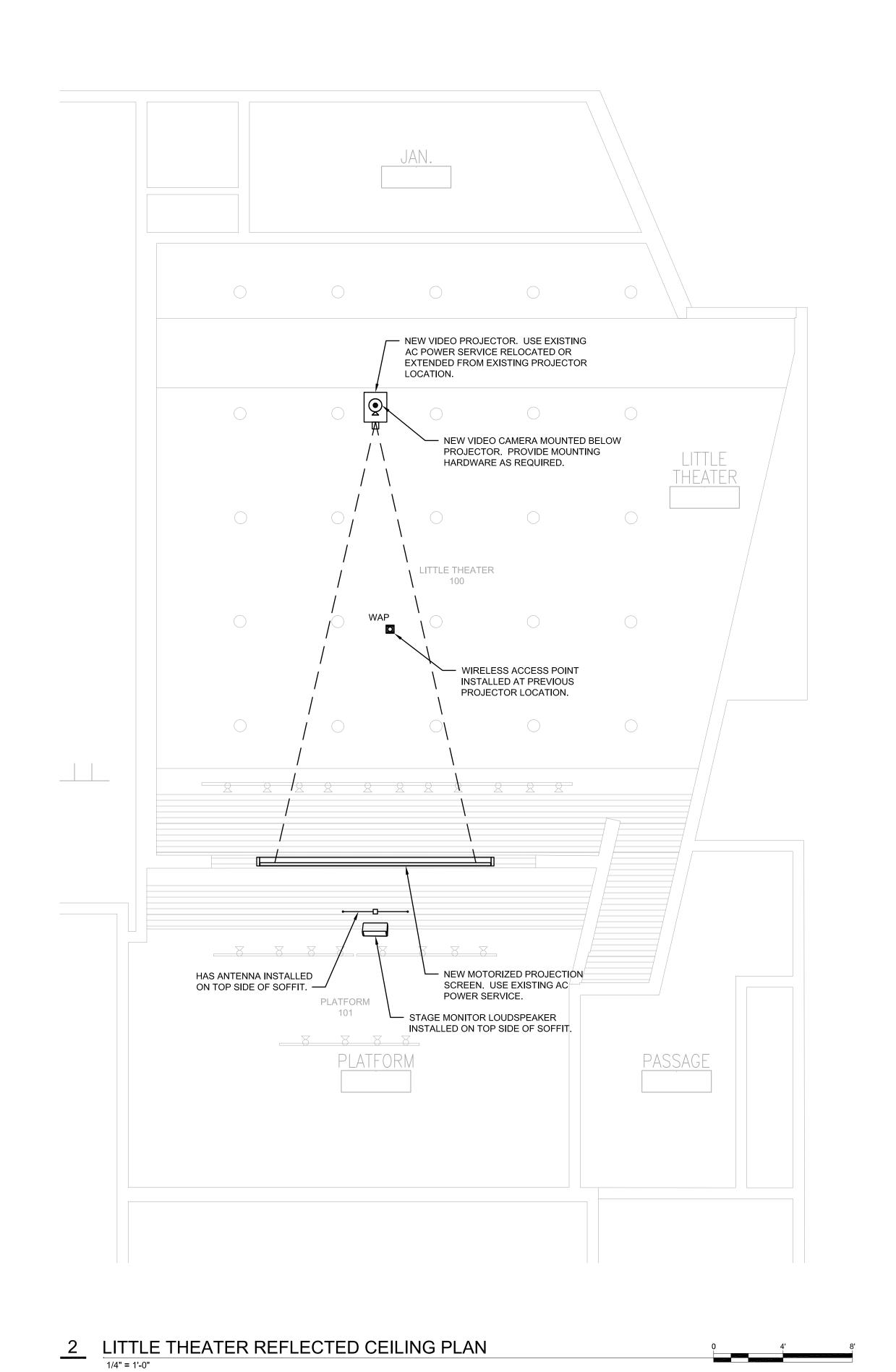
ROUTE CIRCUITS IN CONDUIT

TO AV EQUIPMENT RACK. ———

GENERAL INSTALLATION NOTES

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.

4. NON-RACK-MOUNTED EQUIPMENT AND COMPONENTS TO BE REUSED SHOULD BE STORED IN LOCATION DESIGNATED BY



1. VERIFY EXISTING CONDITIONS PRIOR TO EQUIPMENT REMOVAL.

3. RACK-MOUNTED EQUIPMENT TO BE REUSED SHOULD BE LEFT INTACT OR REMOUNTED AS NOTED ON THE PLANS.

BID DOCUMENTS

03/05/2021

REVISED DATE:

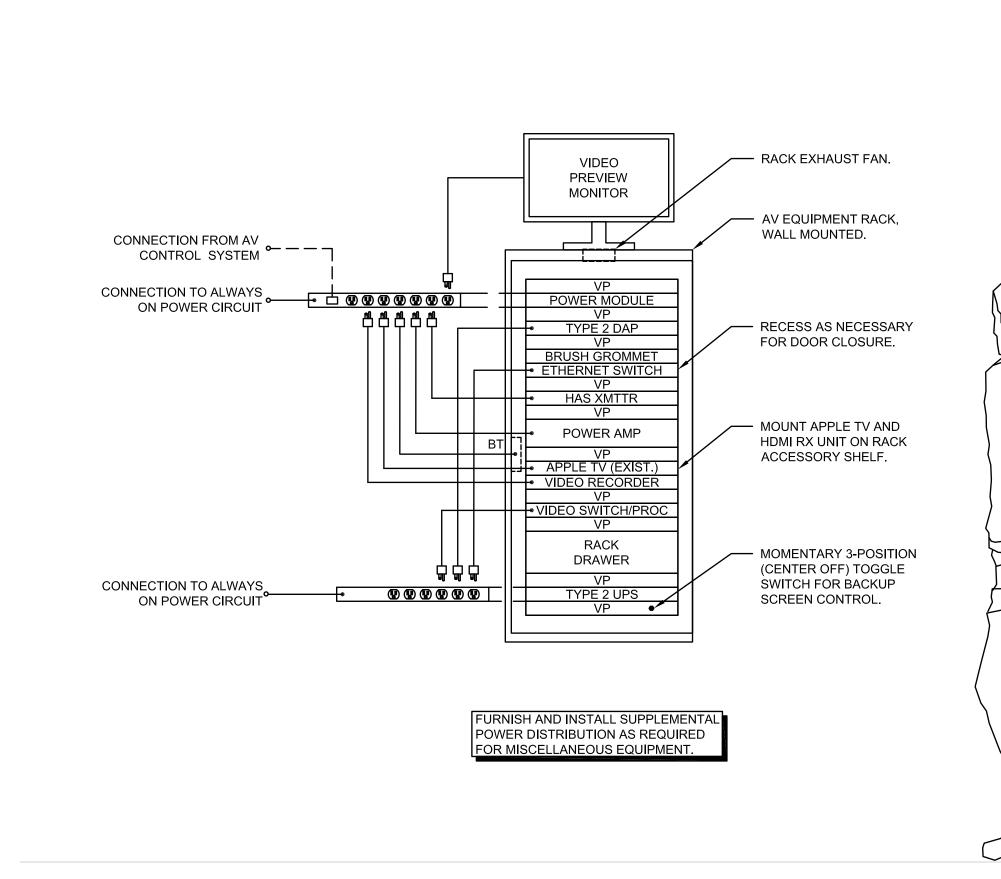
SHEET CONTENTS: ● FLOOR & CEILING PLANS

HTK PROJECT NUMBER: ● 1707.05-004

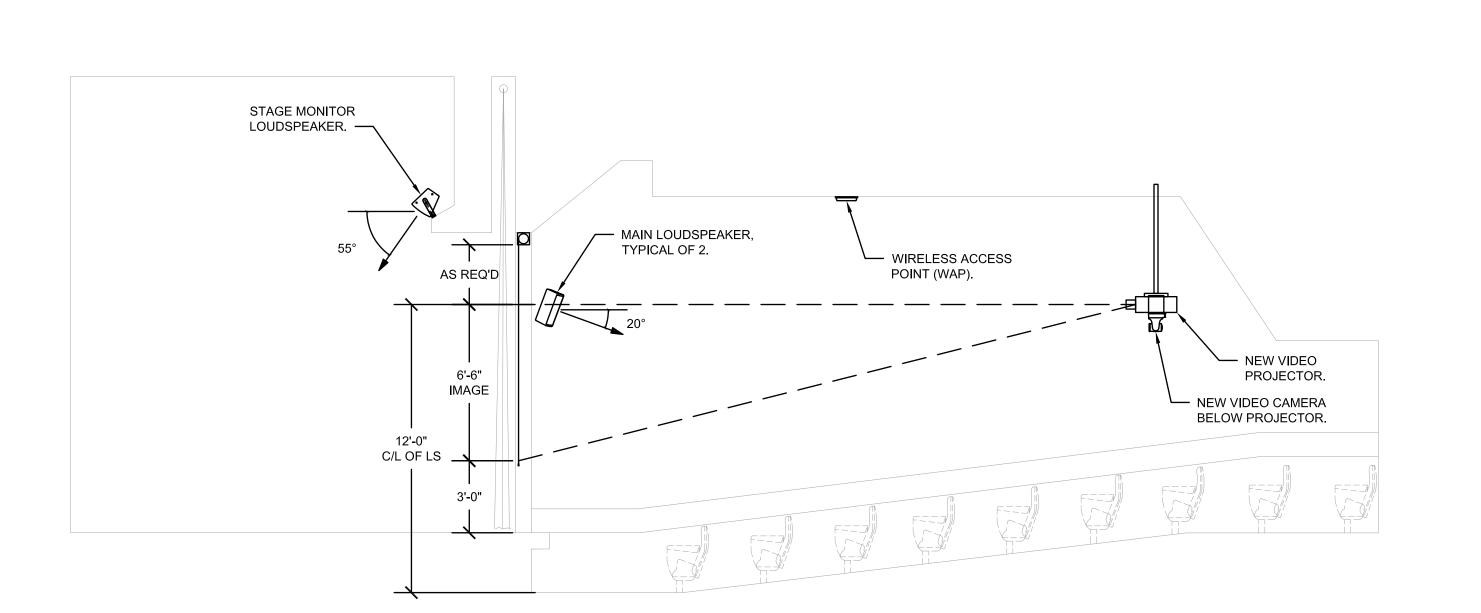
G:\CO\CO088 SHAWNEE

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



4 AV EQUIPMENT RACK DETAIL



AV CONTROL TOUCHPANEL, FLUSH MOUNTED AT 54" AFF.

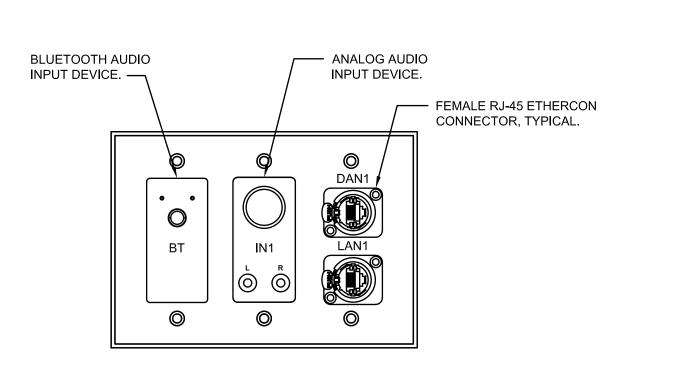
AV INPUT DEVICE, FLUSH MOUNTED AT 18" AFF

3 AV TOUCHPANEL & INPUT DEVICE LOCATION DETAIL

<u>1</u> <u>LITTLE THEATER SECTION</u>

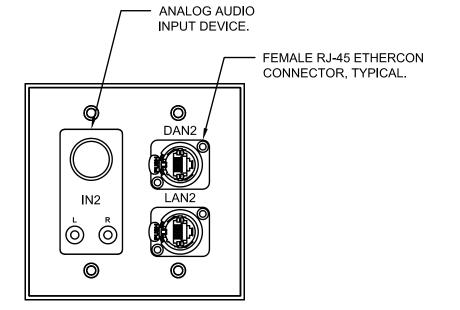
PROVIDE BLANK PLATE OVER EXISTING SCREEN

CONTROL WALL BOX. ----



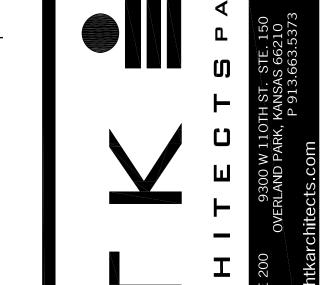
2A CONNECTION PLATE "CP1" DETAIL

6" = 1'-0"



2B CONNECTION PLATE "CP2" DETAIL

6" = 1'-0"



BID DOCUMENTS

**o** 03/05/2021

REVISED DATE:

NORTHWE

SHEET CONTENTS:

SECTION & DETAILS

HTK PROJECT NUMBER: ● 1707.05-004

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SHEET CONTENTS: ■ AV ONE-LINE DIAGRAM

HTK PROJECT NUMBER: ● 1707.05-004