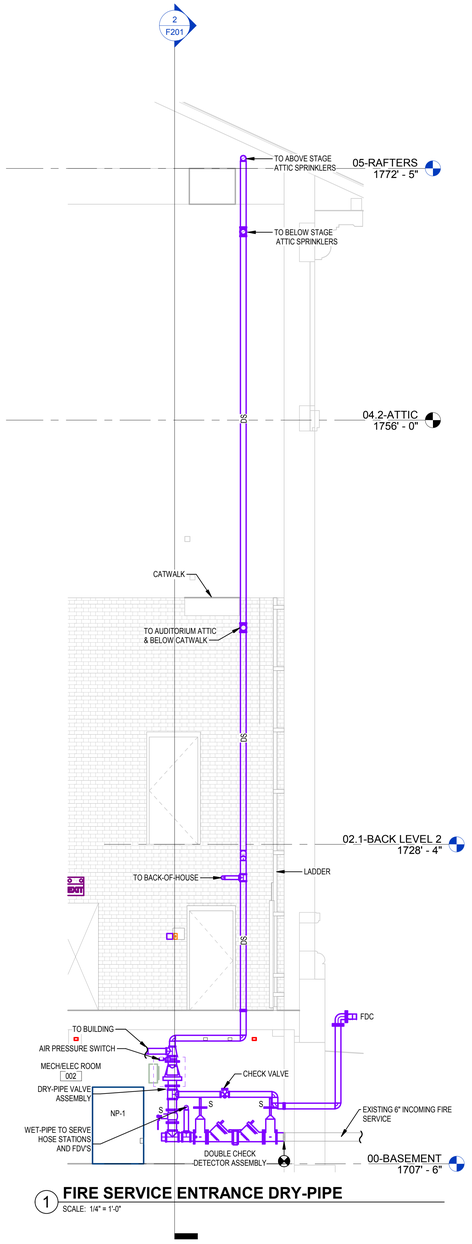
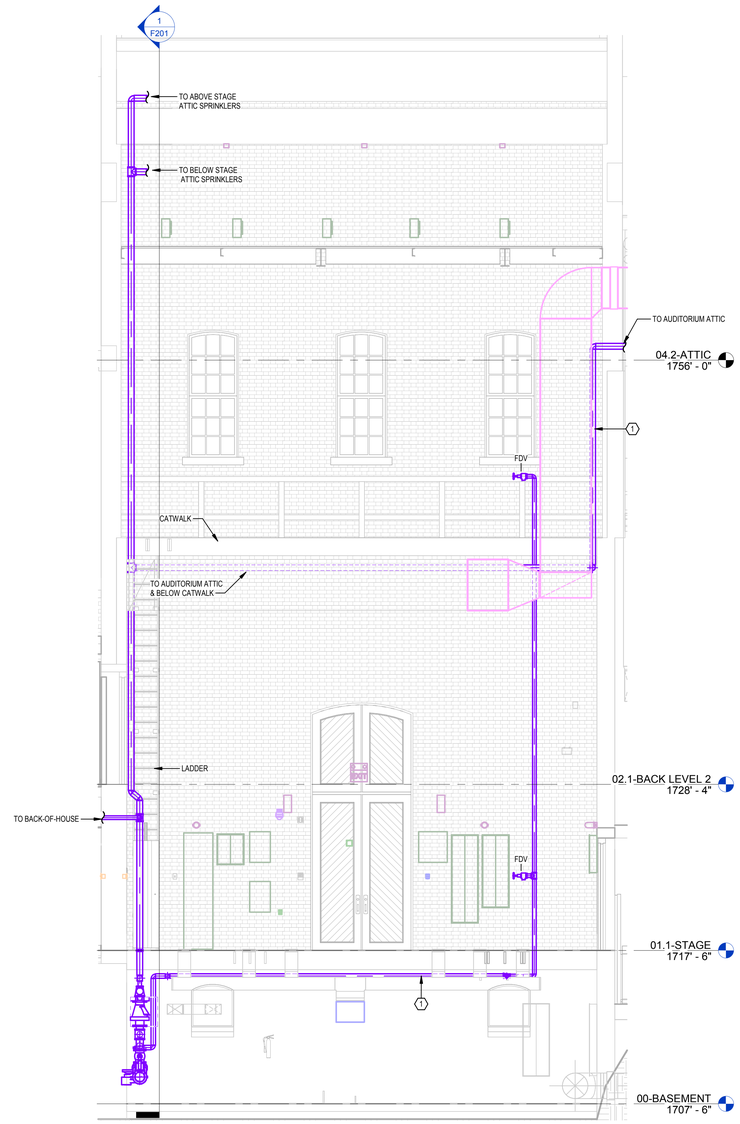
PLAN NOTES

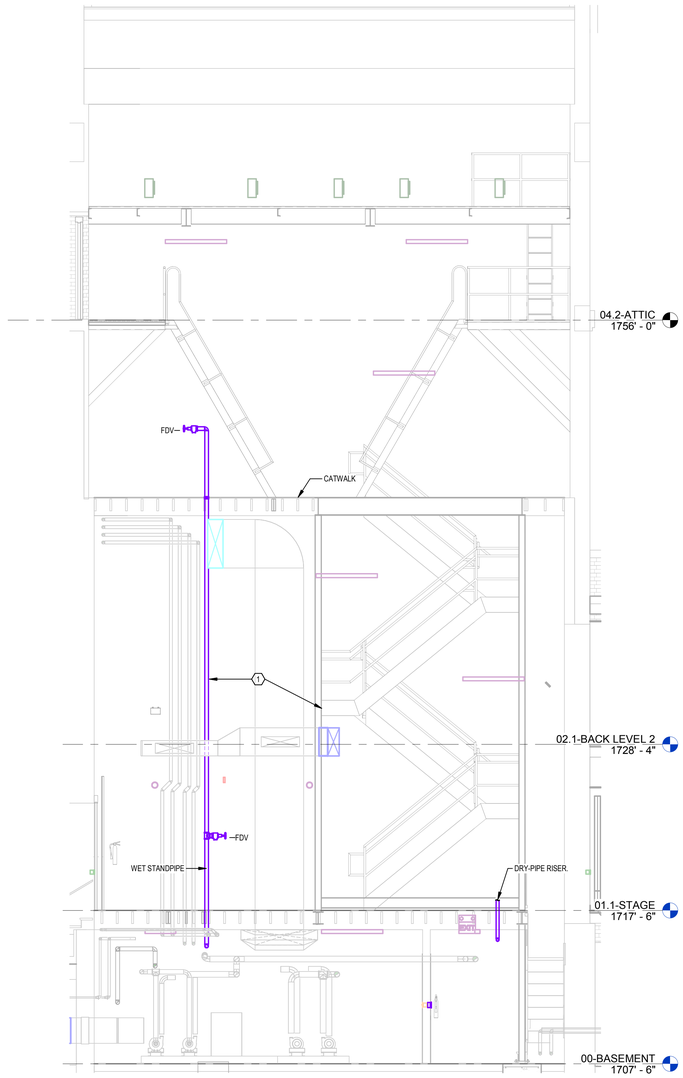
1. COORDINATE CLOSELY WITH MECHANICAL EQUIPMENT AND STAIR/ LADDER TO ACCESS CATWALKS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 **FIRE SERVICE ENTRANCE DRY-PIPE**
SCALE: 1/4" = 1'-0"



2 **EAST CATWALK**
SCALE: 1/4" = 1'-0"



4 **WEST CATWALK**
SCALE: 1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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PROJECT NO. 2024-05141

STAMP

STATE OF OHIO MATTHEW R. GRAHAM 72670 REGISTERED PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: SECTIONS

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number:

Drawing Number: F201

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/2024-05141-MEP-Central.rvt

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PIPING DESIGNATIONS

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
140	HOT WATER PIPE (140 DEGS. F.)
140R	HOT WATER RETURN PIPE (140 DEGS. F.)
180	HOT WATER PIPE (180 DEGS. F.)
180R	HOT WATER RETURN PIPE (180 DEGS. F.)
CWS	COMBINATION FIRE SUPPRESSION & DOMESTIC WATER SERVICE
NPW	NON-POTABLE
PW	PURE WATER PIPE
SCW	SOFT COLD WATER
TW	TEMPERED WATER PIPE
WS	WATER SERVICE
AV	ACID VENT PIPE
AW	ACID WASTE PIPE
GD	GARAGE DRAINAGE PIPE
IV	INDIRECT VENT PIPE
IW	INDIRECT WASTE PIPE
K	KITCHEN WASTE PIPE
OD	(OVERFLOW) SECONDARY STORM DRAINAGE PIPE
PD	PUMP DISCHARGE PIPE
TP	TRAP PRIMER DISCHARGE PIPE
SAN	SANITARY DRAINAGE PIPE
STM	STORM DRAINAGE PIPE
V	SANITARY SEWER VENT
CA	COMPRESSED AIR PIPE

VALVES AND FITTINGS

	AUTOMATIC FLOW CONTROLLER WITH P/T PLUG IN AND OUT
	CLEANOUT
CO	CLEANOUT - TO GRADE OR FINISHED FLOOR
	CONCENTRIC PIPE REDUCER
FOT FOB	ECCENTRIC PIPE REDUCER
	END CAP
P	GAUGE - PRESSURE
T	GAUGE - TEMPERATURE OR THERMOMETER
V	GAUGE - VACUUM WITH STOP
	HOSE BIB
	MIXING FAUCET
	PLUG
	PLUG - PRESSURE AND TEMPERATURE TEST
	STRAINER
	STRAINER - WITH A BLOW DOWN VALVE AND HOSE CONNECTION
TP	TRAP PRIMER
	UNION
	VALVE - CHECK
	VALVE - COMBINATION SHUTOFF AND BALANCING (REFER TO SPECIFICATIONS FQR REQUIRED TYPE BASED ON APPLICATIONS)
	VALVE - DRAIN WITH HOSE END CONNECTION
	VALVE - PLUG
P/T	VALVE - PRESSURE AND TEMPERATURE SAFETY RELIEF. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
	VALVE - PRESSURE REGULATING
	VALVE - SAFETY RELIEF. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
VB	VALVE - SHUTOFF AND BOX
	VALVE - SHUTOFF: BALL, GATE, BUTTERFLY VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
	VALVE - SHUTOFF ON RISER
S	VALVE - SOLENOID
	WALL HYDRANT

GENERAL FLOOR PLAN NOTES

2	RISER OR STACK NUMBER
B P2	DETAIL: B = DETAIL DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
P2	SECTION: 1 = SECTION DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
OH	FIRE SUPPRESSION HAZARD CLASSIFICATION AND HAZARD CLASSIFICATION GROUP
P1 OR P1	EQUIPMENT REFERENCE. LETTER DESIGNATION VARIES. REFER TO SCHEDULES.
A1	EQUIPMENT, DEVICE, OR PLUMBING FIXTURE MARK. LETTER DESIGNATIONS REFER TO SCHEDULES.
	CONNECT TO EXISTING
	DEMOLISH TO POINT INDICATED
2	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN UNLESS NOTED OTHERWISE.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
A1	"UP TO" SYMBOL (ITEM ON FLOOR ABOVE)

PIPING SYMBOLS

	EXISTING PIPE TO REMAIN
	EXISTING PIPE TO BE REMOVED
	DIRECTION OF PITCH
D	DROP
R	RISE
	FLOW DIRECTION DESIGNATION
	ELBOW DOWN
	ELBOW UP
	PIPE RISER
	BRANCH TEE CONNECTION (**NOTE**: BULLHEAD TEE'S ARE NOT PERMITTED)
BC	BOTTOM CONNECTION (45°)
	BOTTOM CONNECTION (90°)
TC	TOP CONNECTION (45°)
	TOP CONNECTION (90°)
M	WATER METER
	EXPANSION JOINT
	PUMP
	FLEX PIPING

ABBREVIATIONS

AAP	- AREA ALARM PANEL (MEDICAL GAS)
AC	- AIR COMPRESSOR OR AIR CONDITIONER
ACC	- ACCESS
ACCU	- AIR COOLED CONDENSING UNIT
AD	- ACCESS DOOR OR AREA DRAIN
ADB	- ACID DILUTION BASIN
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
AR	- AIR RECEIVER OR ARGON
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
AV	- ACID VENT
AW	- ACID WASTE
BDD	- BACK DRAFT DAMPER
BFP	- BACKFLOW PREVENTER
BLDG	- BUILDING
BOB	- BOTTOM OF BEAM
BOD	- BOTTOM OF DUCT
BOE	- BOTTOM OF EQUIPMENT
BOF	- BOTTOM OF FOOTING
BOG	- BOTTOM OF GRILLE
BOP	- BOTTOM OF PIPE
BOT	- BOTTOM
BT	- BATHTUB
BTU	- BRITISH THERMAL UNIT
BTUH	- BRITISH THERMAL UNIT PER HOUR
BTWN	- BETWEEN
CA	- COMPRESSED AIR
CB	- CATCH BASIN
CBD	- COUNTER BALANCED BACKDRAFT DAMPER
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM	- CUBIC FEET PER MINUTE
CHS	- CHILLED WATER SUPPLY
CHR	- CHILLED WATER RETURN
CI	- CAST IRON
CK	- CLINICAL SINK
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CO	- CLEAN OUT
CO2	- MEDICAL CARBON DIOXIDE
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
COR	- CONTRACTING OFFICER'S REPRESENTATIVE
CORR	- CORRIDOR
CRP	- CORROSION RESISTANT PIPE
CRV	- CORROSION RESISTENT VENT PIPE
CS	- CLINICAL SINK OR COLD SOFT WATER
CTR	- CENTER
CU	- COPPER
CW	- COLD WATER
CWS	- COMBINATION WATER SERVICE OR CONDENSER WATER SUPPLY
CWR	- CONDENSER WATER RETURN
D	- DEPTH OR DRAIN LINE
DB	- DIALYSIS BOX
DD	- DECK DRAIN
DET	- DETAIL
DF	- DRINKING FOUNTAIN OR WATER COOLER OR DIESEL FUEL
DFU	- DRAINAGE FIXTURE UNIT
DI	- DEIONIZED WATER
DIA	- DIAMETER
DIM	- DIMENSION
DN	- DOWN
DS	- DOWN SPOUT OR SPRINKLER (DRY)
DT	- PERFORATED DRAIN TILE
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICAL (DIVISION 26)
EEW	- EMERGENCY EYE WASH
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATOR
EQ	- EQUAL
EQUIP	- EQUIPMENT
ET	- EXPANSION TANK
ETR	- EXISTING TO REMAIN
ES	- EMERGENCY SHOWER
EQS	- EQUIPMENT SUPPLIER
EWC	- ELECTRICAL WATER COOLER
EXH	- EXHAUST AIR
EXP	- EXPANSION
EXT	- EXTERIOR
EX	- EXISTING
F	- FIRE SUPPRESSION (STANDPIPE/SPRINKLER MAIN)
FCE	- FIRE CONTROL EQUIPMENT
FCO	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FDV	- FIRE DEPARTMENT VALVE
FF	- FINISHED FLOOR ELEVATION
FHC	- FIRE HOSE CABINET
FLR	- FLOOR
FM	- FORCE MAIN
FOB	- FLAT ON BOTTOM
FOF	- FUEL OIL FLOW
FOG	- FUEL OIL GAUGE
FOR	- FUEL OIL RETURN
FOS	- FUEL OIL SUPPLY
FOT	- FLAT ON TOP
FPM	- FEET PER MINUTE
FR	- FIRE RISER
FS	- FLOOR SINK OR FIRE SERVICE
FSC	- FIRE SUPPRESSION (DIVISION 21)
FT	- FEET
FTG	- FOOTING
G	- GAS OR NATURAL GAS
GA	- GAUGE
GAL	- GALLON
GALV	- GALVANIZED
GC	- GENERAL TRADES (DIVISION 01)
GD	- GARAGE DRAINAGE
GPM	- GALLONS PER MINUTE
GS	- GAS SERVICE
GW	- GREASE WASTE
H2	- HYDROGEN
HB	- HOSE BIBB
HC	- HVAC (DIVISION 23)
HD	- HUB DRAIN
HE	- HELIUM
HG	- REFRIGERANT HOT GAS
HP	- HORSEPOWER OR HIGH POINT
HPC	- HIGH PRESSURE CONDENSATE RETURN
HPS	- HIGH PRESSURE STEAM SUPPLY
HPW	- HIGH PURITY WATER
HPWR	- HIGH PURITY WATER RETURN
HR	- HOSE REEL
HT	- HEAT TRACE
HTR	- HEATER
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
HW	- HOT WATER
HWR	- HEATING HOT WATER RETURN
HWS	- HEATING HOT WATER SUPPLY
IA	- MEDICAL INSTRUMENT AIR
ID	- INSIDE DIAMETER
INV	- INVERT ELEVATION
IN	- INCHES
IV	- INDIRECT VENT
IW	- INDIRECT WASTE
JS	- JANITOR SINK
K	- KITCHEN WASTE
KEC	- KITCHEN EQUIPMENT
L	- LENGTH
LA	- LABORATORY COMPRESSED AIR
LAV	- LAVATORY
LBS	- POUNDS
LCW	- LABORATORY COLD WATER
LEC	- LABORATORY EQUIPMENT
LHW	- LABORATORY HOT WATER
LHWR	- LABORATORY HOT WATER RETURN
LPC	- LOW PRESSURE CONDENSATE RETURN
LPS	- LOW PRESSURE STEAM SUPPLY
LV	- LABORATORY VACUUM OR LABORATORY VENT
LW	- LABORATORY WASTE
MA	- MEDICAL COMPRESSED AIR
MAP	- MASTER ALARM PANEL (MEDICAL GAS)
MAX	- MAXIMUM
MB	- MOP BASIN
MC	- MECHANICAL (DIVISION 23)
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM OR MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
MPC	- MEDIUM PRESSURE CONDENSATE RETURN
MPS	- MEDIUM PRESSURE STEAM SUPPLY
MU	- WATER MAKE-UP
MV	- MEDICAL SURGICAL VACUUM
N2	- MEDICAL NITROGEN
N/C	- NORMALLY CLOSED
NG	- GASOLINE (NON-LEAD)
NIC	- NOT IN CONTRACT
N/O	- NORMALLY OPEN
NO	- MEDICAL NITROUS OXIDE
NOM	- NOMINAL
NPW	- NON-POTABLE WATER
NPT	- NATIONAL PIPE THREAD
NTS	- NOT TO SCALE
O2	- MEDICAL OXYGEN
OA	- OUTDOOR AIR
OD	- OUTSIDE DIAMETER OR OVERFLOW DRAIN
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
P	- PROPANE GAS
PC	- PLUMBING (DIVISION 22) OR PUMPED CONDENSATE RETURN
PD	- PUMP DISCHARGE OR PARAPET DRAIN
PIV	- POST INDICATOR VALVE
PLBG	- PLUMBING
PS	- PRE-ACTION/DELUGE SPRINKLER
PRESS	- PRESSURE
PRV	- PRESSURE REGULATING VALVE
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PSV	- PRESSURE SUSTAINING VALVE
PSIG	- POUNDS PER SQUARE INCH GAUGE
PW	- PURE WATER
RA	- RETURN AIR
RAD	- RADIUS
RCP	- REINFORCED CONCRETE PIPE
RD	- ROOF DRAIN
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH IN
RL	- REFRIGERANT LIQUID
ROS	- REVERSE OSMOSIS WATER SUPPLY
ROR	- REVERSE OSMOSIS WATER RETURN
RPM	- REVOLUTIONS PER MINUTE
RS	- REFRIGERANT SUCTION
RV	- RELIEF VALVE
S	- SPRINKLER (WET)
SA	- SHOCK ARRESTOR OR SUPPLY AIR
SAN	- SANITARY OR SANITARY DRAIN
SCH	- SCHEDULE
SCW	- SOFT COLD WATER
SD	- SPRINKLER DRAIN OR SUBSOIL DRAIN
SH	- SHOWER
SHT	- SHEET
SK	- SINK
SPEC	- SPECIFICATIONS
SQ	- SQUARE
SR	- SUPPLY RISER
SS	- SANITARY STACK (SOIL OR WASTE) OR STAINLESS STEEL
STD	- STANDARD
STM	- STORM OR STORM DRAINAGE
STRUC	- STRUCTURAL OR STRUCTURE
SUC	- SITE UTILITY CONTRACTOR
T	- FUEL TANK VENT
TD	- TRENCH DRAIN
TEMP	- TEMPERATURE
TOB	- TOP OF BEAM
TOD	- TOP OF DUCT
TOE	- TOP OF EQUIPMENT
TOF	- TOP OF FOOTING
TOJ	- TOP OF JOIST
TOP	- TOP OF PIPE
TOS	- TOP OF SLAB OR TOP OF STEEL
TF	- TRAP FILLER
TP	- TRAP PRIMER OR TRAP PRIMER DISCHARGE
TW	- TEMPERED WATER
TYP	- TYPICAL
UR	- URINAL
UNO	- UNLESS NOTED OTHERWISE
V	- VENT OR SANITARY SEWER VENT
VAC	- VACUUM
VC	- VACUUM CLEANING
VCV	- VACUUM CLEANING VALVE
VE	- VACUUM EXHAUST
VEL	- VELOCITY
VB	- VALVE IN BOX
VOL	- VOLUME
VP	- VACUUM PUMP
VS	- VENT STACK
VTR	- VENT THROUGH ROOF
VR	- VENT RISER
W/	- WITH
W/O	- WITHOUT
W	- WASTE
WAGD	- WASTE ANESTHESIA GAS DISPOSAL
WC	- WATER CLOSET
WCO	- WALL CLEANOUT
WH	- WALL HYDRANT OR WATER HEATER
WIV	- WALL INDICATOR VALVE
WS	- WATER SERVICE
YCO	- YARD CLEANOUT
ZVC	- ZONE VALVE CABINET

GENERAL PROJECT NOTES

A ALL NEW PIPING IS AT THE UNDERSIDE OF STRUCTURE IN EXPOSED STRUCTURE AREAS. UNLESS OTHERWISE NOTED.
ABOVE CEILING UTILITY SPACE IS LIMITED (BACK OF HOUSE).
COORDINATION WITH ALL TRADES IS CRITICAL, (IN ALL AREAS) PRIOR TO INSTALLATION OF ANY WORK.

B REFER TO SCHEDULES, DETAILS AND DIAGRAMS FOR PIPING, PIPE SIZES AND PIPELINE DEVICES NOT INDICATED ON THE FLOOR PLAN.

C LOCATIONS AND SIZES OF EXISTING PIPING HAVE BEEN DETERMINED FROM A REVIEW OF EXISTING DRAWINGS AND/ OR SITE INSPECTION, WHERE POSSIBLE. FIELD VERIFICATION OF EXACT LOCATIONS, ELEVATIONS, INVERTS, SIZES, DIRECTION OF FLOW, ETC. SHALL BE REQUIRED PRIOR TO BEGINNING NEW WORK.

D ALL DOMESTIC WATER PIPING SHOWN TO BE DEMOLISHED SHALL BE REMOVED BACK TO WITHIN TWO PIPE DIAMETERS OF ACTIVE MAINS AND CAPPED, OR REMOVED BACK TO POINTS OF CONNECTION OF NEW WORK. INACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED SHALL BE DISCONNECTED FROM ACTIVE MAINS AND CAPPED IN CONCEALED LOCATIONS.

E ABANDONED PIPING DISCOVERED DURING DEMOLITION/ RENOVATION SHALL BE REMOVED.

F ALL REMOVED MATERIAL AND EQUIPMENT SO DESIGNATED BY THE COR, SHALL BE TURNED OVER AND PLACED WHERE DIRECTED. ALL MATERIAL AND EQUIPMENT, WHICH THE OWNER DOES NOT WISH TO RETAIN, SHALL BECOME THE PROPERTY OF THE CONTRACTOR RESPONSIBLE FOR THE REMOVAL.

G ALL CORE DRILLS AND PIPE EXTENSIONS THRU THE EXISTING STRUCTURAL FLOOR SLAB OR STRUCTURAL WALL SHALL BE X-RAYED TO DETERMINE THE EXACT LOCATION OF THE "REBARS" IN THE STRUCTURAL SLAB. DO NOT CUT THE LOWER (BOTTOM REBARS) IN THE FLOOR SLAB.

H REFER TO ARCHITECTURAL FIRE RATED PARTITION PLAN(S) FOR LOCATIONS AND FIRE RATINGS OF NEW AND EXISTING WALL ASSEMBLIES. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PROTECTED AND/ OR FIRE STOPPED AS REQUIRED TO MAINTAIN FIRE RATINGS INDICATED. COORDINATE WITH ALL TRADES TO ENSURE FIRE RATED PENETRATION REQUIREMENTS AND DETAILS ARE MET.

I ANNULAR SPACE OF ALL PIPE & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOOR SHALL BE SEALED TO RETARD THE PASSAGE OF SMOKE.

M DOMESTIC WATER PIPING INSTALLED BY THIS PROJECT SHALL BE DISINFECTED AND TESTED IN ITS ENTIRETY. DISINFECTION AND TESTING PROCEDURES SHALL FOLLOW CAMPUS VA WATER SAFETY PLAN, VA DESIGN MANUALS, VA SPECIFICATIONS, AND LOCAL REQUIREMENTS.

DRAWING INDEX

SHEET NUMBER	SHEET NAME
P001	ABBREVIATIONS, LEGEND & GENERAL NOTES
PD101	FOUNDATION AND BASEMENT DEMOLITION PLANS
PD102	FIRST AND SECOND FLOOR DEMOLITION PLANS
PS100	PLUMBING SITE PLAN
PP101	FOUNDATION AND BASEMENT NEW WORK PLANS
PP102	FIRST AND SECOND FLOOR NEW WORK PLANS
P401	ENLARGED PLANS
P601	DETAILS AND SCHEDULES
P901	DRAINAGE ISOMETERIC
P902	DISTRIBUTION ISOMETERIC

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE HEAPY

PROJECT NO. 2024-05141

STAMP

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VA U.S. Department of Veterans Affairs

Drawing Title: ABBREVIATIONS, LEGEND & GENERAL NOTES

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: EWL | Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: P001

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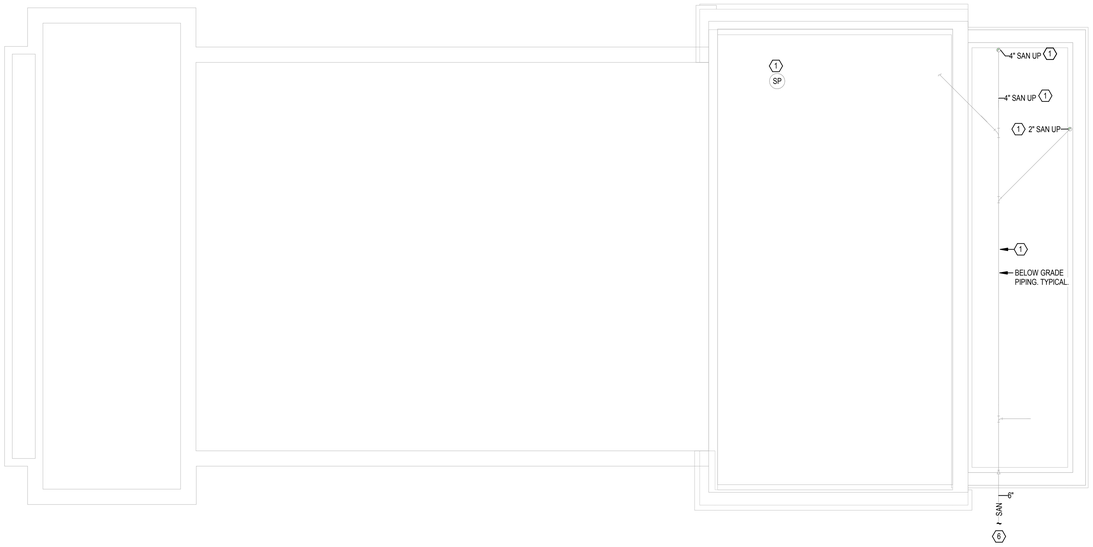
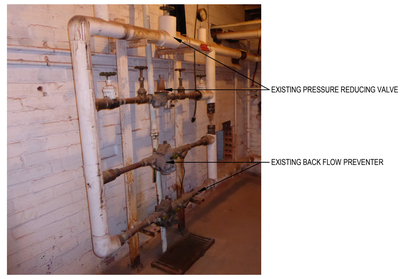


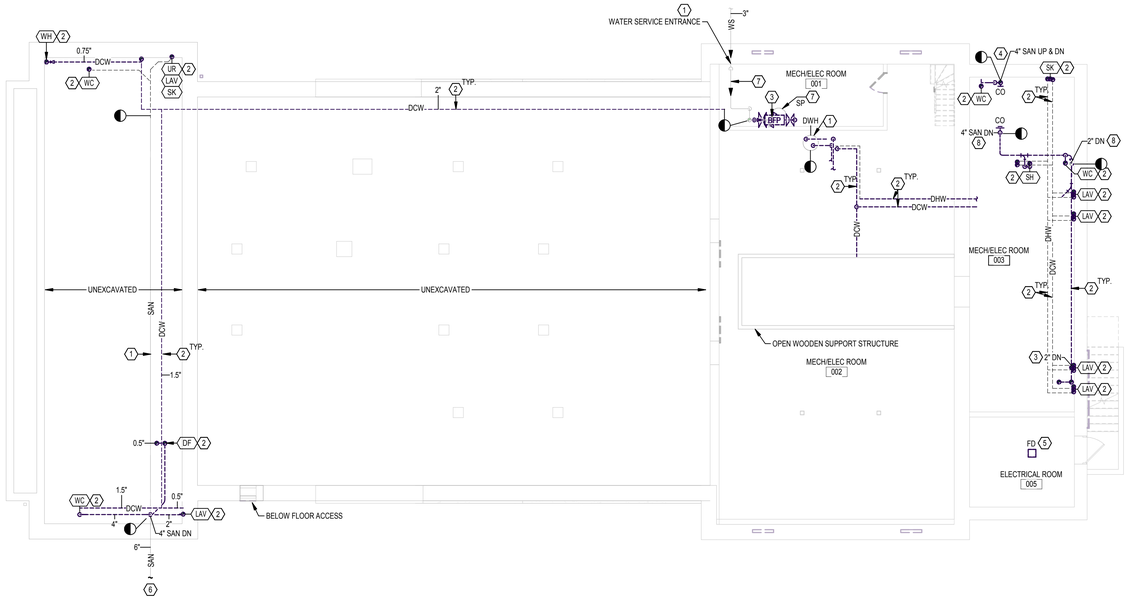
1 FOUNDATION DEMOLITION PLAN
1/8" = 1'-0"

A ROOM 005 - FLOOR DRAIN
NTS



B ROOM 001 - DOMESTIC BFP ARRANGEMENT
NTS

C ROOM 003 - BASEMENT SANITARY
NTS



2 BASEMENT DEMOLITION PLAN
1/8" = 1'-0"

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL PROJECT NOTES.

B. BELOW GRADE/ UNEXCAVATED SPACE SANITARY PIPING TO BE JETTED AND VISUALLY INSPECTED TO CLEAR AND IDENTIFY COMPROMISED PIPING. REPORT FINDINGS TO COR.

C. NON-POTABLE WATER PIPING AND BACK FLOW PREVENTERS SERVING MECHANICAL EQUIPMENT TO REMAIN.

PLAN NOTES

1. EXISTING PIPING OR ITEM OF EQUIPMENT (TYPE AS INDICATED) TO REMAIN.
2. REMOVE ALL EXISTING DOMESTIC WATER PIPING AND PIPING LINE DEVICES BACK TO EXISTING DOMESTIC WATER HEATER. REMOVE EXISTING SANITARY DRAIN AND/ OR VENT PIPING BACK TO POINT OF NEW CONNECTION.
3. REMOVE DOMESTIC WATER BACK FLOW PREVENTERS, EXISTING PRESSURE REDUCING VALVE ARRANGEMENT AND ASSOCIATED PIPING AND PIPELINE DEVICES BACK TO POINT OF NEW CONNECTION. RECORD EXISTING PRESSURE REDUCING VALVE SETTING FOR USE ON NEW INSTALLATION. REFER TO VIEW B/ PD101 AND NEW WORK PLANS.
4. REMOVE EXISTING SANITARY PIPING TO BELOW GRADE AND CAP. REFER TO VIEW C/ PD101.
5. REMOVE EXISTING FLOOR DRAIN PLUG. PLUG DRAIN OUTLET AND FILL DRAIN WITH CONCRETE TO FLUSH WITH EXISTING FLOOR SLAB. REFER VIEW A/ PD101.
6. PIPING CONTINUED ON CIVIL PLANS.
7. PUMPED DISCHARGE PIPING AND SUMP PUMP TO REMAIN.
8. REMOVE EXISTING SANITARY PIPING BACK TO POINT OF NEW CONNECTION.

PLAN NORTH

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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PROJECT NO. 2024-05141

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07/01/2025

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
FOUNDATION AND BASEMENT DEMOLITION PLANS	BID DOCUMENTS	RESTORATION OF BUILDING 35 HISTORIC THEATER	621-24-103
Approved: VAMC	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Building Number: 35
		Issue Date: 07/01/2025 · Checked: EWL · Drawn: RLC	Drawing Number: PD101

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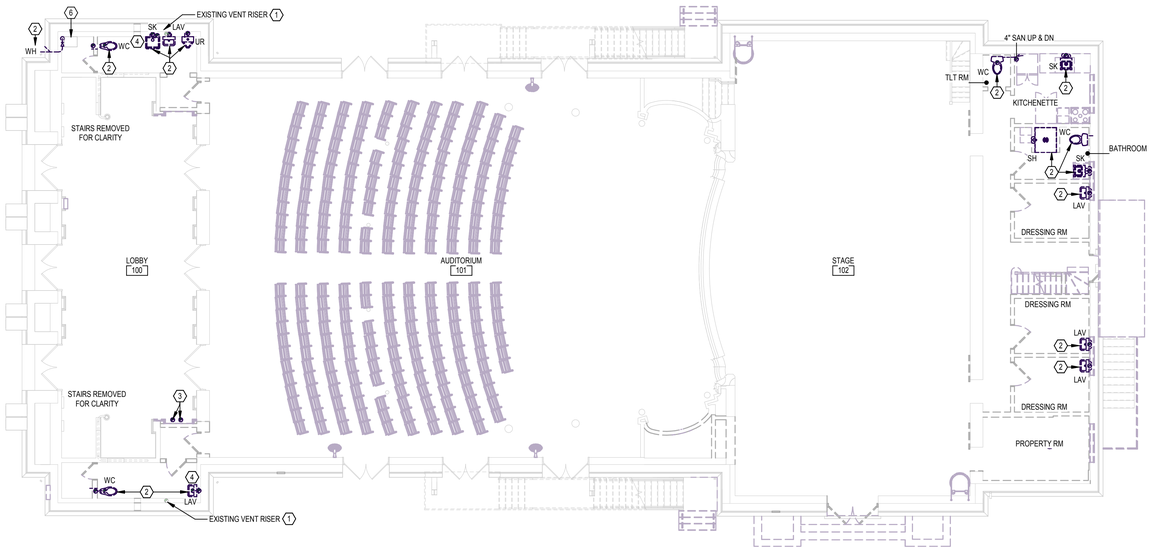
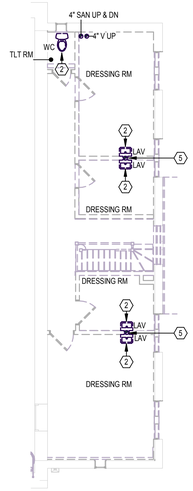
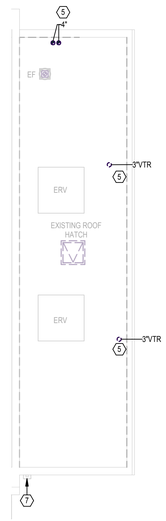


1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



2 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"

A EXTERIOR WATER HYDRANT
NTS



3 BACK ROOF DEMOLITION PLAN
1/8" = 1'-0"

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL PROJECT NOTES.

PLAN NOTES

1. EXISTING PIPING OR ITEM OF EQUIPMENT (TYPE AS INDICATED) TO REMAIN.
2. REMOVE EXISTING FIXTURE OR ITEM OF EQUIPMENT (TYPE AS INDICATED) AND ALL ASSOCIATED DOMESTIC WATER PIPING BACK TO EXISTING DOMESTIC WATER HEATER. REMOVE ALL ASSOCIATED SANITARY DRAIN AND VENT PIPING BACK TO POINT OF NEW CONNECTION OR BACK TO ACTIVE MAIN AND CAP.
3. REMOVE EXISTING SANITARY AND DCW PIPING FROM PREVIOUSLY REMOVED DRINKING FOUNTAIN.
4. REMOVE EXISTING POINT OF USE WATER HEATER.
5. REMOVE EXISTING SANITARY PIPING THRU ROOF. PATCH ROOF, SEAL WATER TIGHT.
6. BELOW FLOOR ACCESS.
7. EXISTING SCUPPER TO REMAIN. CLEAR OF ALL DEBRIS.

PLAN NORTH

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO
MATTHEW G. GRAHAM
72670
REGISTERED
PROFESSIONAL ENGINEER
7/1/2025

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST AND SECOND FLOOR DEMOLITION PLANS

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: PD102

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/2024-05141-MEP-Central.rvt

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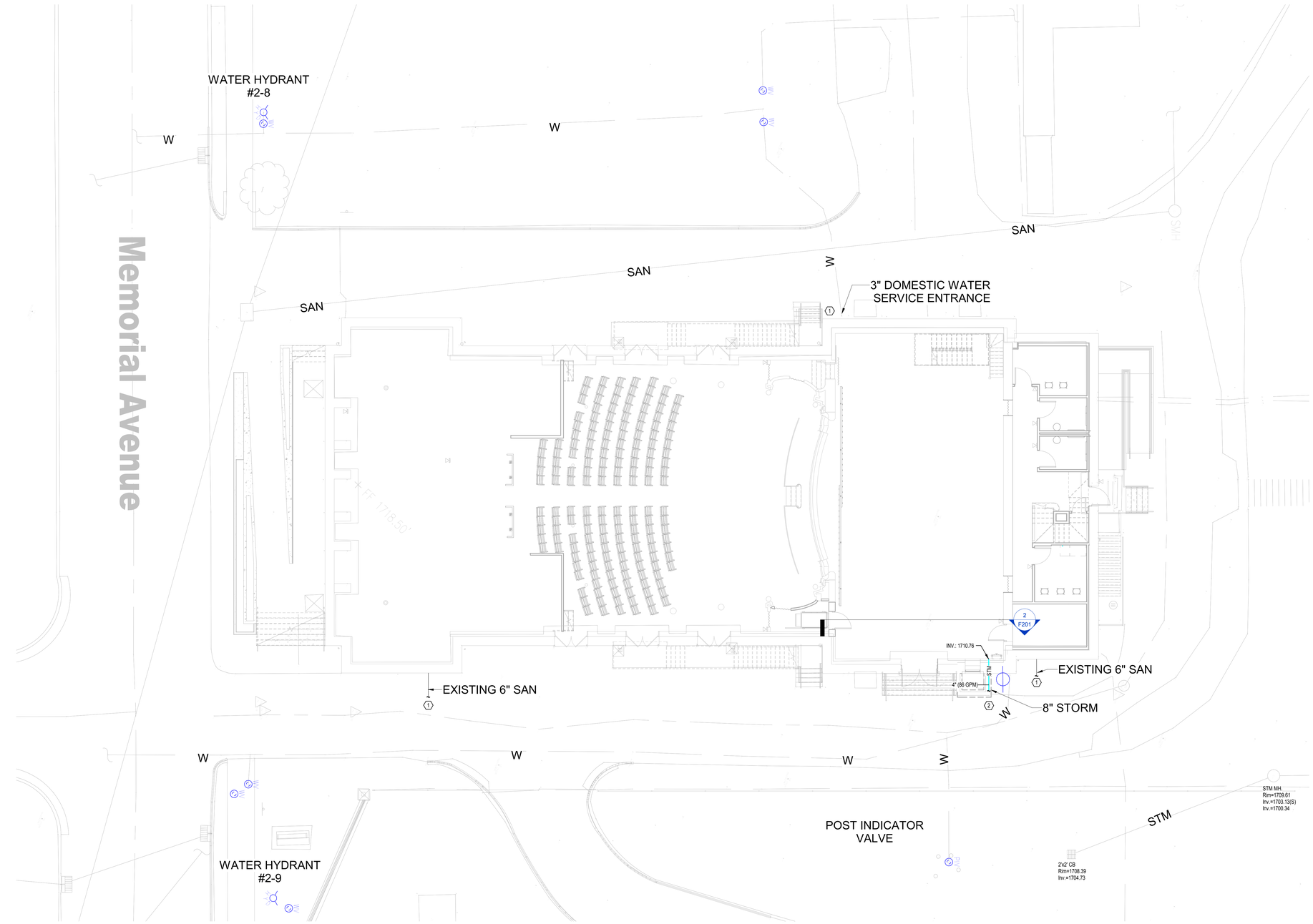

1 SITE PLAN
1/8" = 1'-0"

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL NOTES.

B. BELOW GRADE/ UNEXCAVATED SPACE SANITARY PIPING TO BE JETTED AND VISUALLY INSPECTED TO CLEAR AND IDENTIFY COMPROMISED PIPING. REPORT FINDINGS TO COR.

PLAN NOTES

1. EXISTING PIPING TO REMAIN.
2. NEW 8" STORM PIPING. PROVIDE ADAPTER AND CONNECT TO STUB. REFER TO CIVIL DRAWINGS AND PP101 FOR CONTINUATION.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO
MATTHEW
GRAHAM
72670
REGISTERED
PROFESSIONAL ENGINEER
07/01/2025

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING SITE PLAN

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: PS100

VA FORM 08 - 6231

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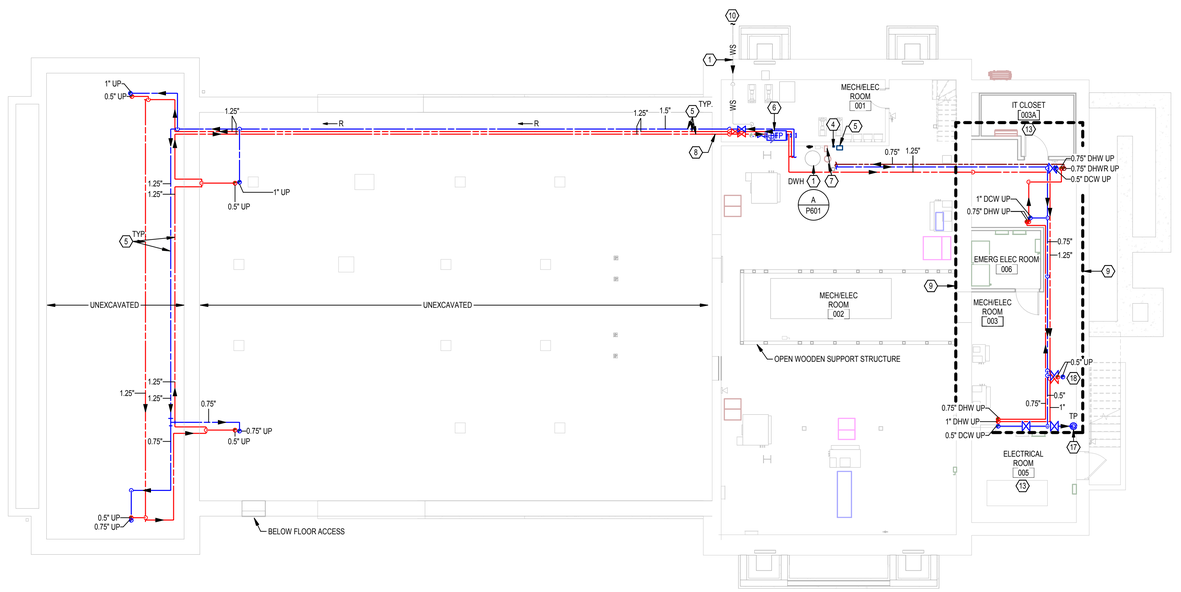
1 BASEMENT PLAN - DRAINAGE
1/8" = 1'-0"



2 BASEMENT PLAN - DISTRIBUTION
1/8" = 1'-0"

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL PROJECT NOTES.

B. LABEL ALL PIPING PER SPECIFICATION 22 05 11 SECTION 1.3.B ASME A13.1 SCHEME FOR IDENTIFICATION OF PIPING SYSTEMS.

C. REFER TO MECHANICAL/ ELECTRICAL DRAWINGS FOR ASSOCIATED EQUIPMENT.

D. RECONNECT NON-POTABLE WATER PIPING & BACKFLOW PREVENTERS SERVING MECHANICAL EQUIPMENT.

E. REFER TO DRAINAGE/ DISTRIBUTION ISOMETRICS, SHEETS P501 AND P902 FOR ADDITIONAL INFORMATION.

PLAN NOTES

1. EXISTING TO REMAIN.
2. SANITARY PIPING LOCATED BELOW FLOOR SLAB.
3. PIPING CAPPED BELOW GRADE.
4. PROVIDE STAINLESS STEEL DRAIN PAN BELOW DRAINAGE PIPING. RUN 1" DRAIN TO ADJACENT 3" HUB DRAIN IN ROOM 003. PROVIDE HARD-WIRED WATER DETECTION SENSOR. BASIS OF DESIGN: RDT WATER ALARM SYSTEM #RS-096, 120V-1PH OR EQUAL. MOUNT CONTROLLER ON WALL NEAR WATER HEATER. COORDINATE FINAL LOCATION WITH COR AND DIVISION 26. CONNECT ALARMS TO BUILDING AUTOMATION SYSTEM.
5. PROVIDE FREEZE PROTECTION ON ALL DOMESTIC WATER PIPING AND SANITARY TRAPS IN BELOW FLOOR SPACE. EXTEND MIN. 12" INTO WARM SPACE AND TERMINATE. MOUNT HEAT TRACE CONTROLLER ON WALL NEAR WATER HEATER. BASIS OF DESIGN: RAYCHEM #C910-485, 3XLE1, (1-30A, 2-20A CIRCUITS) 2KW, 120V-1PH OR EQUAL. COORDINATE FINAL LOCATION WITH COR AND DIVISION 26. CONNECT ALARMS TO BUILDING AUTOMATION SYSTEM.
6. PROVIDE NEW RPZ TYP BACK FLOW PREVENTERS, PRESSURE REDUCING VALVES ARRANGEMENT AND ASSOCIATED PIPING AND PIPELINE DEVICES. REFER TO DETAIL A/ P601.
7. PROVIDE NEW MIXING VALVE, DHW RECIRC PUMP AND EXPANSION TANK. REFER TO SCHEDULES AND DETAIL A/ P601.
8. FOLLOW ROUTING OF EXISTING DCW PIPING TO FIXTURES IN THE FIRST FLOOR LOBBY. COORDINATE ROUTING WITH DIVISION 23.
9. AREA IS HEAVILY CONGESTED. COORDINATE NEW WORK CLOSELY WITH DIVISION 23.
10. PIPING CONTINUED ON CIVIL PLANS.
11. SAW CUT AND TRENCH EXISTING FLOOR SLAB TO ACCOMMODATE NEW SANITARY PIPING. PROVIDE BEDDING, BACKFILL AND COMPACTION PER SPECIFICATIONS. PATCH CONCRETE TO FLUSH WITH EXISTING FLOOR SLAB AND RE-SURFACE TO MATCH ADJACENT FLOOR.
12. TRAP PRIMER TO SERVE HUB DRAIN. REFERENCE PLAN NOTE 17 AND DETAIL J/ P601.
13. NO PIPING SHALL BE INSTALLED ABOVE THIS ROOM. KEEP DOOR OPENING CLEAR OF OBSTRUCTIONS.
14. NO PIPING SHALL BE LOCATED DIRECTLY ABOVE ELECTRICAL EQUIPMENT.
15. PROVIDE HARD-WIRED WATER DETECTION SENSOR ON FLOOR NEAR DOOR. REFERENCE NOTE 4 FOR CONTROLLER INFORMATION.
16. PROVIDE ADAPTER AND CONNECT TO STUB. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
17. CONNECT TO EXISTING 2" SANITARY AND EXTEND SANITARY PIPING ALONG WALL. PROVIDE 3" HUB DRAIN.
18. SANITARY DRAIN AND DISTRIBUTION PIPING ROUTED IN CASEWORK.

PLAN NORTH

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO — MATTHEW L. GRAHAM 72670 — REGISTERED PROFESSIONAL ENGINEER — 7/1/2025

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: FOUNDATION AND BASEMENT NEW WORK PLANS

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: EWL | Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: PP101

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/2024-05141-MEP-Central.rvt

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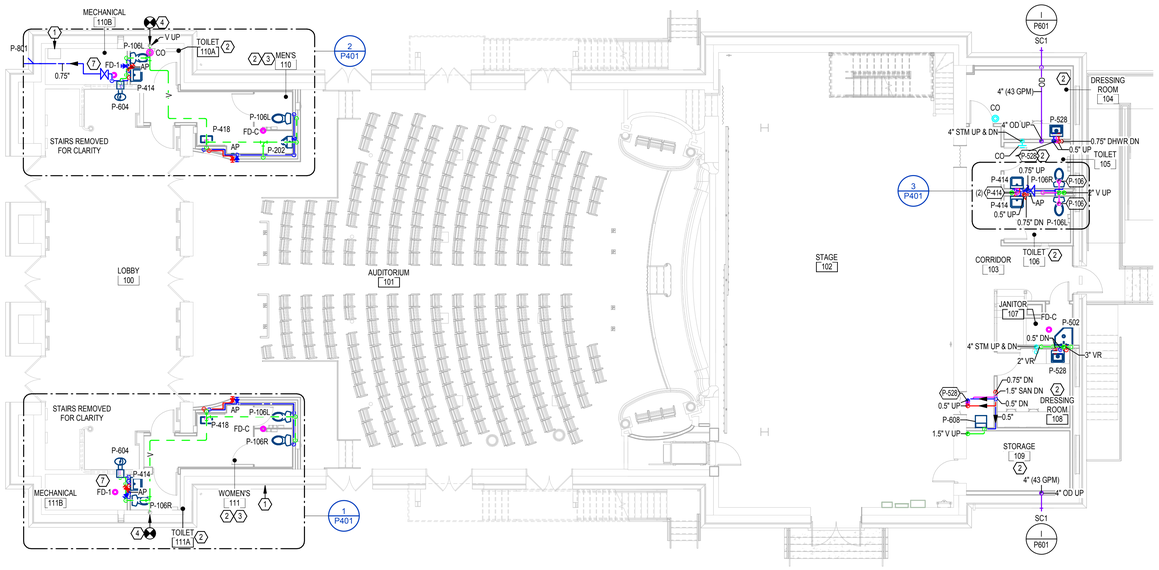
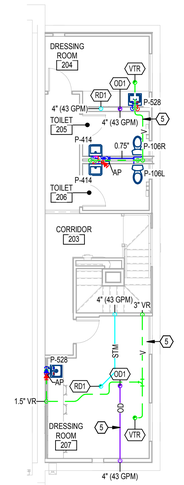
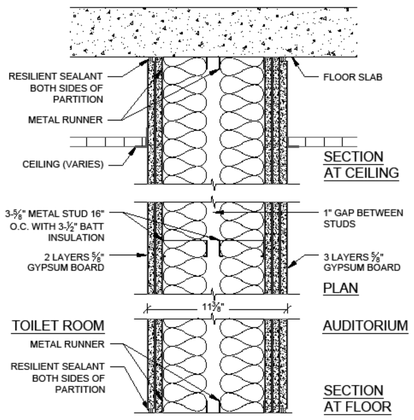


1 FIRST FLOOR PLAN
1/8" = 1'-0"



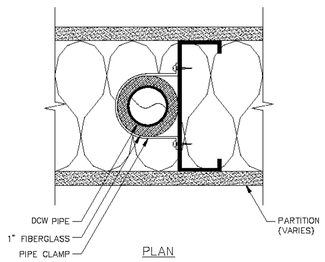
2 SECOND FLOOR PLAN
1/8" = 1'-0"



NOTES:

1. ATTACH GYPSUM BOARD BASE LAYER WITH BOARD LENGTH PERPENDICULAR TO STUDS AND SCREWED AT 16" O.C. SPACINGS.
2. ATTACH EACH SUCCESSIVE GYPSUM BOARD LAYER PERPENDICULAR TO THE PREVIOUS GYPSUM BOARD LAYER AND SCREWED AT 16" O.C. SPACINGS.
3. USE FIBERGLASS TAPE AND JOINT COMPOUND TO FINISH GYPSUM BOARD FACE LAYER.
4. SEE DETAILS S-7 AND S-8 FOR APPLICATION OF RESILENT SEALANT AND ELECTRICAL BOX CLOSURE.
5. DO NOT USE GYPSUM BOARD OR METAL GUSSET PLATES ACROSS STUDS.
6. PLUMBING PIPING TO BE ATTACHED TO STUDS AT TOILET ROOM SIDE ONLY.

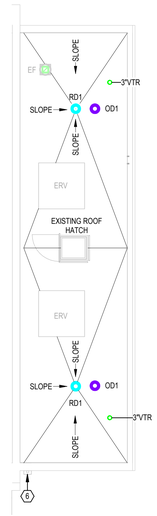
A PARTITION VIBRATION ISOLATION
NTS



NOTES:

1. CUT PIPE INSULATION INTO 3" LENGTHS AND INSTALL ON PIPE WHERE CLAMPS ARE TO BE LOCATED.
2. PIPE INSULATION TO BE FIBERGLASS. COORDINATE WITH BATT INSULATION.
3. CENTER PIPE CLAMP OVER PIPE INSULATION AND ATTACH TO STUDS. DO NOT COMPRESS PIPE INSULATION TO SOLID.
4. PIPES ARE NOT TO MAKE RIGID CONTACT TO STUDS OR GYPSUM BOARD.

B PIPE VIBRATION ISOLATION INSULATION
NTS



3 BACK ROOF PLAN
1/8" = 1'-0"

PLAN
NORTH

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL PROJECT NOTES.

B. LABEL ALL PIPING PER SPECIFICATION 22 05 11 SECTION 1.3.B ASME A13.1 SCHEME FOR IDENTIFICATION OF PIPING SYSTEMS.

C. REFER TO MECHANICAL/ ELECTRICAL DRAWINGS FOR ASSOCIATED EQUIPMENT.

D. RECONNECT NON-POTABLE WATER PIPING & BACKFLOW PREVENTERS SERVING MECHANICAL EQUIPMENT.

PLAN NOTES

1. BELOW FLOOR ACCESS.
2. HARD CEILING IN THIS LOCATION (GYPSUM BOARD/ PLASTER/ WOOD). REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. PROVIDE ISOLATION VIBRATION INSULATION FOR TOILET ROOMS 110 AND 111 IN WALLS SHARED WITH THE AUDITORIUM. REFER TO DETAILS A & B THIS SHEET.
4. INTERCEPT AND CONNECT TO EXISTING VENT STACK.
5. ROUTE PIPING EXPOSED TIGHT TO CEILING. COORDINATE WITH LIGHT FIXTURES.
6. EXISTING ROOF SCUPPER TO REMAIN. CLEAR OF ALL DEBRIS.
7. COORDINATE FLOOR DRAIN LOCATION WITH DIVISION 23. REFER TO MECHANICAL DRAWING FOR EQUIPMENT.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO
MATTHEW R. GRAHAM
72670
REGISTERED
PROFESSIONAL ENGINEER
07/01/25

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST AND SECOND FLOOR NEW WORK PLANS

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: PP102

VA FORM 08 - 6231

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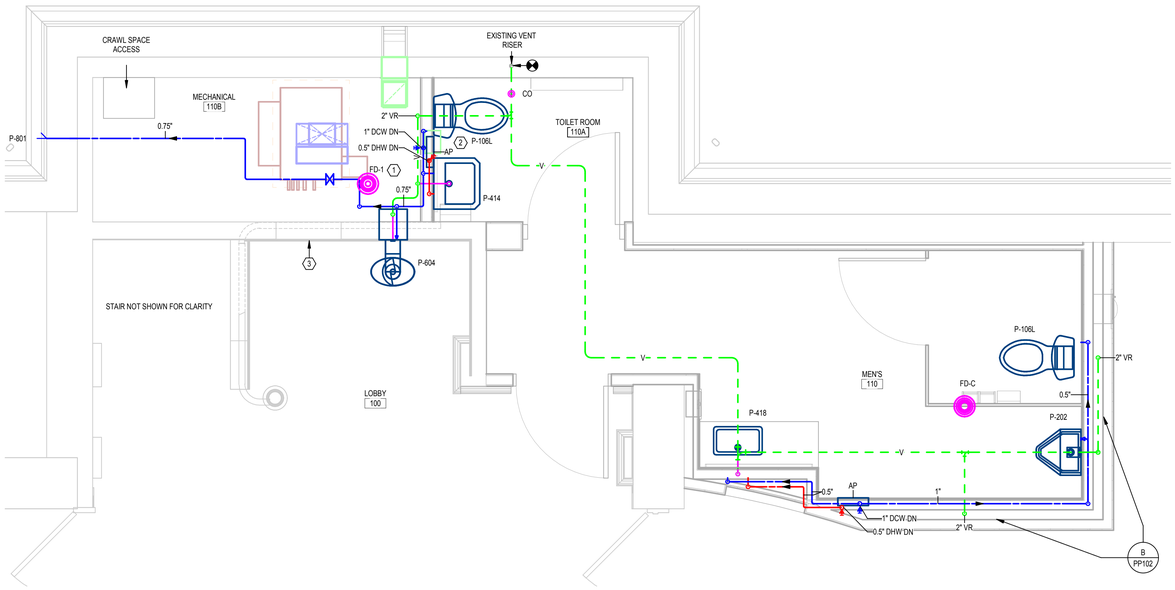
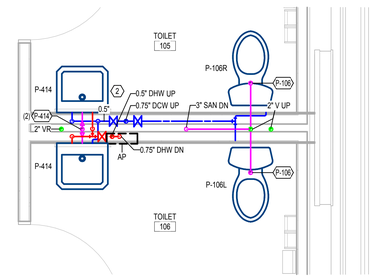
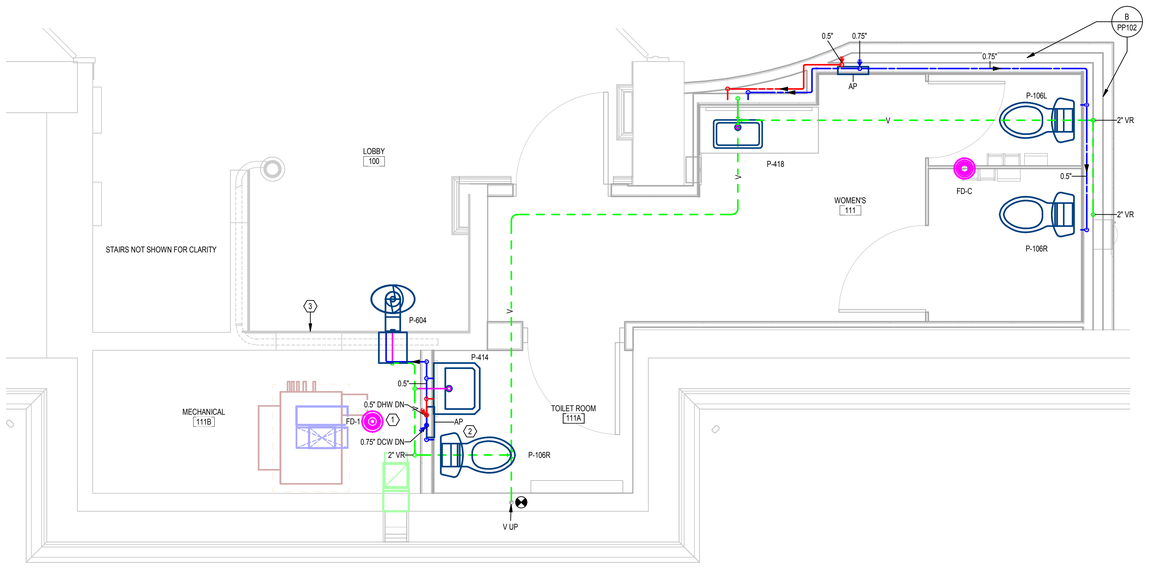


2 TOILET ROOMS - MEN'S 110 & 110A
1/2" = 1'-0"



3 BACK OF HOUSE BACK-TO-BACK TOILET ROOMS - TYPICAL
1/2" = 1'-0"



1 TOILET ROOMS - WOMENS 111 & 111A
1/2" = 1'-0"

SHEET NOTES

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND & GENERAL PROJECT NOTES.

B. LABEL ALL PIPING PER SPECIFICATION 22 05 11 SECTION 1.3.B ASME A13.1 SCHEME FOR IDENTIFICATION OF PIPING SYSTEMS.

C. REFER TO MECHANICAL/ ELECTRICAL DRAWINGS FOR ASSOCIATED EQUIPMENT.

D. RECONNECT NON-POTABLE WATER PIPING & BACKFLOW PREVENTERS SERVING MECHANICAL EQUIPMENT.

PLAN NOTES

1. COORDINATE FLOOR DRAIN LOCATION WITH DIVISION 23.
2. REFER TO P902 FOR DOMESTIC WATER ISOMETRIC FOR ADDITIONAL INFORMATION.
3. MECHANICAL ROOM ACCESS.

PLAN NORTH

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO MATTHEW L. GRAHAM 72670 REGISTERED PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED PLANS

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: P401

VA FORM 08 - 6231

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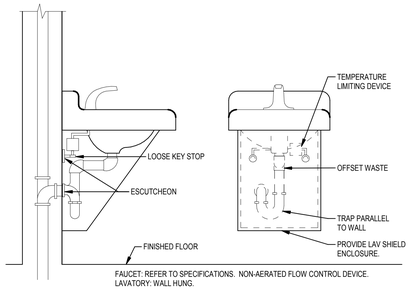
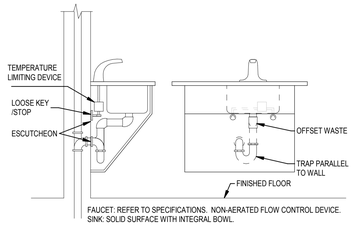


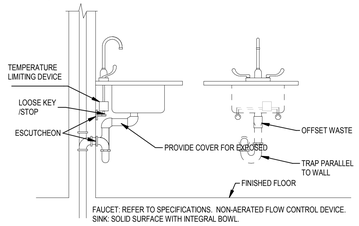
FAUCET: REFER TO SPECIFICATIONS. NON-AERATED FLOW CONTROL DEVICE.
LAVATORY: WALL HUNG.

(B) P-414 LAVATORY/ WALL HUNG
NTS



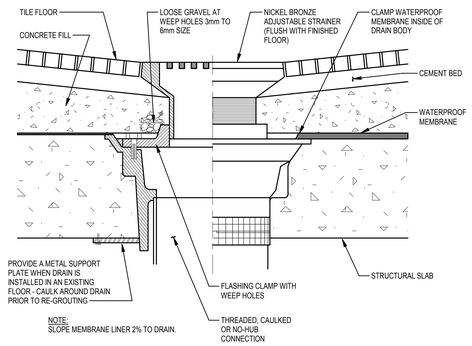
FAUCET: REFER TO SPECIFICATIONS. NON-AERATED FLOW CONTROL DEVICE.
SINK: SOLID SURFACE WITH INTEGRAL BOWL.

(C) P-418 LAVATORY/ SOLID SURFACE WITH INTEGRAL BOWL
NTS



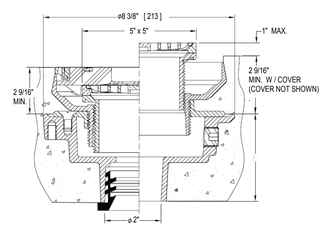
FAUCET: REFER TO SPECIFICATIONS. NON-AERATED FLOW CONTROL DEVICE.
SINK: SOLID SURFACE WITH INTEGRAL BOWL.

(D) P-528 SINK/ SOLID SURFACE WITH INTEGRAL BOWL
NTS

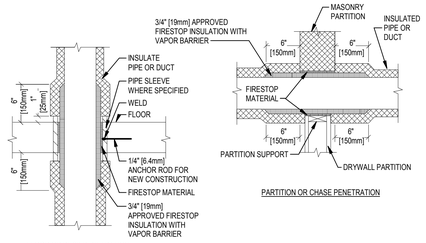


NOTE:
SLOPE MEMBRANE LINER 2% TO DRAIN.

(E) FD-C TYPE "C" FLOOR DRAIN
NTS



(F) FD-1 FLOOR DRAIN
NTS



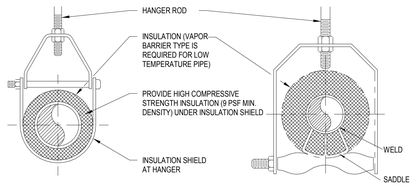
FLOOR OR DECK PENETRATION

PARTITION OR CHASE PENETRATION

NOTE:
1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS SECTION 07 84 00, FIRE STOPPING SYSTEMS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALLS.

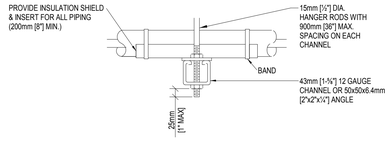
add hose bibb

(G) PIPE/ DUCT PENETRATION OF SMOKE/ FIRE BARRIERS
NTS



ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 - SEE SPECIFICATIONS

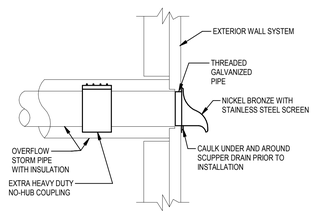


SIDE VIEW TRAPEZE HANGER FOR UP TO 453KG [1000lb.] UNIFORM LOAD

NOTE:
SEE SPECIFER FOR DETAILED HANGER REQUIREMENTS

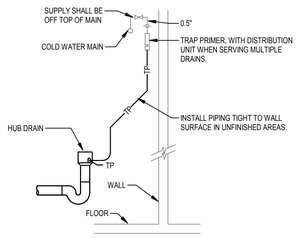
MAXIMUM PIPE/TUBING SUPPORT SPACING																		
NOM. SIZE	mm [IN]	THRU 20 [THRU ¾]	25 [1]	32 [1¼]	40 [1½]	50 [2]	65 [2½]	75 [3]	100 [4]	125 [5]	150 [6]	200 [10]	250 [10]	300 [12]	350 [14]	400 [16]	450 [18]	500 [20]	60 [24]
PIPE	mm [FT]	2100 [7]	2100 [7]	2100 [7]	2700 [9]	3000 [10]	3400 [11]	3700 [12]	4100 [14]	4900 [16]	5200 [17]	5800 [19]	670 [22]	7000 [23]	7600 [25]	8200 [27]	8500 [28]	9100 [30]	9600 [32]
TUBING	mm [FT]	1500 [5]	1800 [6]	2100 [7]	2400 [8]	2400 [8]	2700 [9]	3000 [10]	3700 [12]	4000 [13]	4100 [14]	4900 [16]	- -	- -	- -	- -	- -	- -	- -
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																			

(H) PIPE HANGERS
NTS



NOTE: COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH ARCHITECT.

(I) SECONDARY ROOF DRAIN SCUPPER
NTS



(J) TRAP PRIMER
NTS

FIXTURE SCHEDULE

MARK	Count	MOUNTING HEIGHT	DESCRIPTION	FLOW GPM	FLOW GPF	WASTE & VENT OUTLET IN	WASTE & VENT OUTLET MM	WASTE & VENT VENT IN	WASTE & VENT VENT MM	SUPPLY COLD IN	SUPPLY COLD MM	SUPPLY HOT IN	SUPPLY HOT MM	SUPPLY TEPID IN	SUPPLY TEPID MM	FIXTURE UNITS DRAINS	FIXTURE UNITS WATER COLD	FIXTURE UNITS WATER HOT	WRIST BLADE HANDLES	SENSOR	REMARKS
P-106L	5	FS, NOTE 4	WATER CLOSET/ TANK/ ADA	-	1.28	3	76.2	2	50.8	0.5	12.7					3	2.2	0	N/A		LEFT HAND TRIP LEVER
P-106R	4	FS, NOTE 4	WATER CLOSET/ TANK/ ADA	-	1.28	3	76.2	2	50.8	0.5	12.7					3	2.2	0	N/A		RIGHT HAND TRIP LEVER
P-202	1	NOTE 1	URINAL/ ADA	-	0.5	2	50.8	2	50.8	0.75	19.05					2	5	0		NO	FLUSH VALVE: MANUAL
P-414	6	NOTES 1, 3 & 5	LAVATORY/ WH/ ADA	0.5	-	1.25	31.75	1.5	38.1	0.5	12.7	0.5	12.7			2	1	1	N/A	NO	FAUCET: STANDARD SPOUT/ SINGLE LEVER/ TEMPERATURE LIMITING DEVICE
P-418	2	NOTES 3 & 5	LAVATORY/ SOLID SURFACE WITH INTEGRAL BOWL	0.5	-	1.25	31.75	1.5	38.1	0.5	12.7	0.5	12.7			2	1	1	N/A	NO	FAUCET: STANDARD SPOUT/ SINGLE LEVER/ TEMPERATURE LIMITING DEVICE
P-502	1	FS	SERVICE SINK/ FLOOR SET/ CORNER 28"x28"x12"	2.5	-	3	76.2			0.5	12.7	0.5	12.7			3	2.25	2.25	N/A	NO	FAUCET: PAIL HOOK/ VACUUM BREAKER/ CROSS HANDLES/ INTEGRAL CHECK STOPS/ HOSE
P-528	4	NOTES 3 & 5	SINK/ SOLID SURFACE WITH INTEGRAL BOWL	0.5	-	1.5	38.1	1.5	38.1	0.5	12.7	0.5	12.7			2	2.5	2.5	YES		FAUCET: GOOSENECK SPOUT/ WRIST BLADES/ TEMPERATURE LIMITING DEVICE
P-604	2	SET BUBBLER AT 36" AFF	ELECTRIC WATER COOLER/ RECESSED/ BOTTLE FILLER/ ADA			1.25	31.75			0.375	9.525					0.5	0.5	0			PROVIDE FILTER 51300C
P-608	1	SET BUBBLER AT 36" AFF	ELECTRIC WATER COOLER/ WALL MOUNTED/ BOTTLE FILLER/ ADA	-	-	1.25	31.75	1.5	38.1	0.5	12.7					0.5	0.5	0			PROVIDE FILTER 51300C
P-801	1	EXISTING LOCATION	WALL HYDRANT/ EXTERIOR/ FREEZE PROOF							0.75	19.05					0	3	0			

FIXTURE SCHEDULE NOTES:
1. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT.
2. SUPPLY SIZES ARE FIXTURE CONNECTION SIZES. DOMESTIC COLD WATER SUPPLY SIZES SERVING FLUSH VALVES SHALL BE MINIMUM ONE PIPE SIZE LARGER THAN THE INDICATED CONNECTION SIZE, OR SIZES AS SHOWN ON THE FLOOR PLANS.
3. PROVIDE NON-AERATED FLOW CONTROL DEVICE ON LAVATORY AND SINK FAUCETS. **DO NOT USE AERATORS.**
4. INSTALL TRIP LEVER ON WIDE SIDE OF STALL PER ADA GUIDELINES.
5. TEMPERATURE LIMITING DEVICE SHALL BE UNDERCOUNTER ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE.

DRAIN SCHEDULE

SYMBOL	Count	DESCRIPTION	BODY C.I.	BODY S.S.	BODY C.R.	BODY BRASS	STRAINER / GRATE ADJUST.	STRAINER / GRATE FLAT	STRAINER / GRATE RECESS	STRAINER / GRATE DOME	TOP FINISH NICKLE BRONZE	TOP FINISH C.I.	TOP FINISH C.R.	TOP FINISH S.S.
FD-1	2	2" MEDIUM DUTY/ TYPE S/ DECK PLATE	•					•				•		
FD-C	3	3" MEDIUM DUTY/ VANDAL RESISTANT/ TYPE C	•					•			•			
FD-E	2	4" MEDIUM DUTY/ VANDAL RESISTANT/ TYPE -E	•					•				•		
OD1	2	4" FLANGED WITH ADJUSTABLE DRAINAGE COLLAR/ SUMP RECIEVER/ BEARING PAN/ DECK CLAMP/DOME STAINER	•				•			•		•		
RD1	2	4" FLANGED WITH ADJUSTABLE DRAINAGE COLLAR/ SUMP RECIEVER/ BEARING PAN/ DECK CLAMP/DOME STAINER	•				•			•		•		
SC1	2	SCUPPER WITH REMOVEABLE SCREEN (NO HUB)									•			

DRAIN SCHEDULE NOTES:
1 PROVIDE TRAP SEAL/ GUARD FOR FD-1, FD-C & FD-E DRAINS. TRAP GUARD TO BE ASSE 1072 APPROVED.
2 PROVIDE THREADED PLUG FOR ALL TRAP PRIMER CONNECTIONS NOT USED.

EXPANSION TANKS

MARK	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ASME RATED	VOLUME TOTAL	VOLUME ACCEPTANCE	BLADDER	DIAPHRAGM	FLOW THROUGH	CONNECTION SIZE(S)	APPROX. DIMENSIONS WIDTH / DIAMETER	APPROX. DIMENSIONS LENGTH	APPROX. DIMENSIONS HEIGHT	CONCRETE PAD	SEISMIC RESTRAINTS REQUIRED	SEISMIC RESTRAINTS IMPORTANCE FACTOR	SEE NOTE
EXT	EXPANSION TANK/ FLOW-THROUGH	WESSELS COMPANY	TTA-5-Rx-FF	•	3.5	2.5	-	-	•	0.75"	10"		14"	-	-	-	

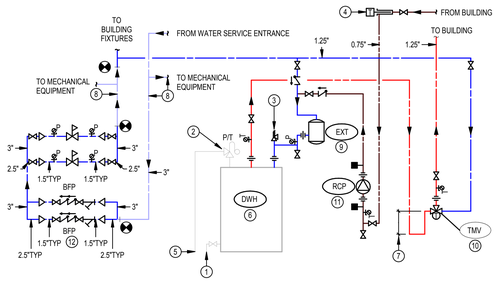
PUMPS

MARK	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	TYPE BOOSTER	TYPE RECIRCULATION	TYPE SEWAGE EJECTOR	TYPE SUMP	TYPE FUEL	CAPACITY	PRESSURE HEAD	INPUT WATTS	INPUT (QTY) HP	VOLTAGE - PHASE	FLUID CONNECTIONS IN	FLUID CONNECTIONS OUT	APPROX. DIMENSIONS WIDTH / DIAMETER	APPROX. DIMENSIONS LENGTH	APPROX. DIMENSIONS HEIGHT	CONCRETE PAD	SEISMIC RESTRAINTS REQUIRED	SEISMIC RESTRAINTS IMPORTANCE FACTOR	SEE NOTE
RCP	DOMESTIC HOT WATER RETURN PUMP/ AQUASTAT	BELL & GOSSETT	PL-30	-	•	-	-	-	2.5 GPM 18 FT HD	12		1/12	120V-1 PH	0.75"	0.75"	4.5"	9"	6"	-	-	-	

WATER TEMPERATURE MIXING VALVES

MARK	DESCRIPTION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	TYPE MANUAL	TYPE ELECTRIC	VOLTAGE - PHASE	RATED FLOW AT 10 PSID	OUTLET TEMPERATURE (°F)	ASSOCIATE PUMP TAG	CONNECTIONS DCW	CONNECTIONS DHW	CONNECTIONS TEMPERED	CONNECTIONS DHWR	CONNECTIONS 140R	APPROX. DIMENSIONS WIDTH / DIAMETER	APPROX. DIMENSIONS LENGTH	APPROX. DIMENSIONS HEIGHT	SEISMIC RESTRAINTS REQUIRED	SEISMIC RESTRAINTS IMPORTANCE FACTOR	SEE NOTE
TMV	THERMOSTATIC MIXING VALVE	WATTS	LFMMVM1-UT	•	-	-	5 GPM	135	-	0.75"	0.75"	1.25"	0.75"	-	8.563"	3.313"	6.688"	-	-	

EQUIPMENT NOTES:
1. PROVIDE BASIS OF DESIGN OR EQUAL.



(A) DOMESTIC WATER HEATER - SCHEMATIC
NTS

NOTES
1. AIR GAP OVER FLOOR DRAIN
2. NEW COMBINATION TEMPERATURE-PRESSURE RELIEF VALVE.
3. NEW VACUUM RELIEF VALVE.
4. RECIRCULATION PUMP CONTROL AQUASTAT.
5. AIR GAP OVER FLOOR.
6. EXISTING WATER HEATER. FLUSH WATER HEATER PER MANUFACTURE'S INSTRUCTIONS. PROVIDE DRAIN PAN.
7. MINIMUM 27" HEAT TRAP.
8. EXISTING PIPING.
9. NEW FLOW THROUGH EXPANSION TANK.
10. NEW THERMOSTATIC MIXING VALVE.
11. NEW RECIRC PUMP.
12. AIR GAP BFP DRAINS OVER SUMP PUMP.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO MATTHEW L. GRAHAM 72670 REGISTERED PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS AND SCHEDULES

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number: 35

Drawing Number: P601

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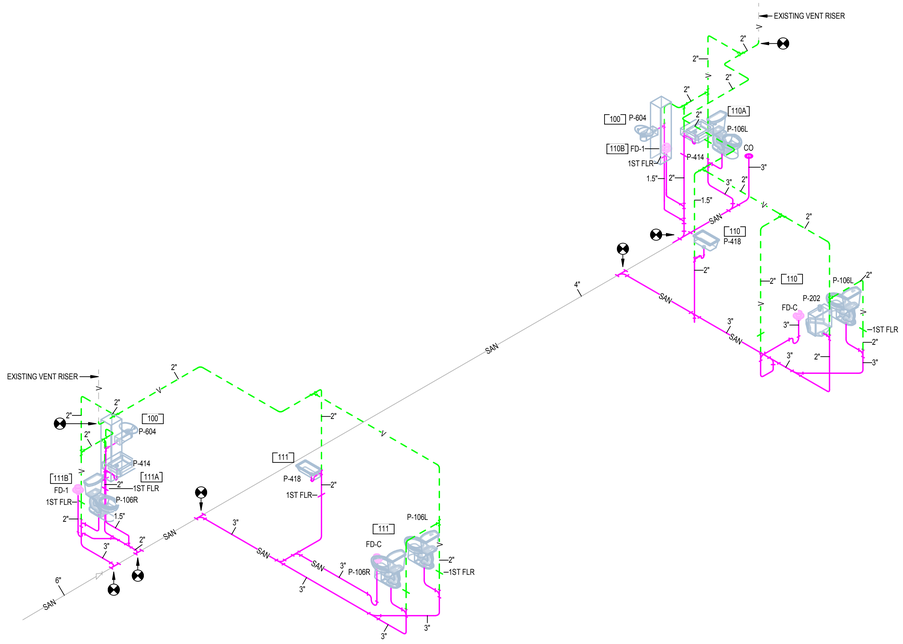
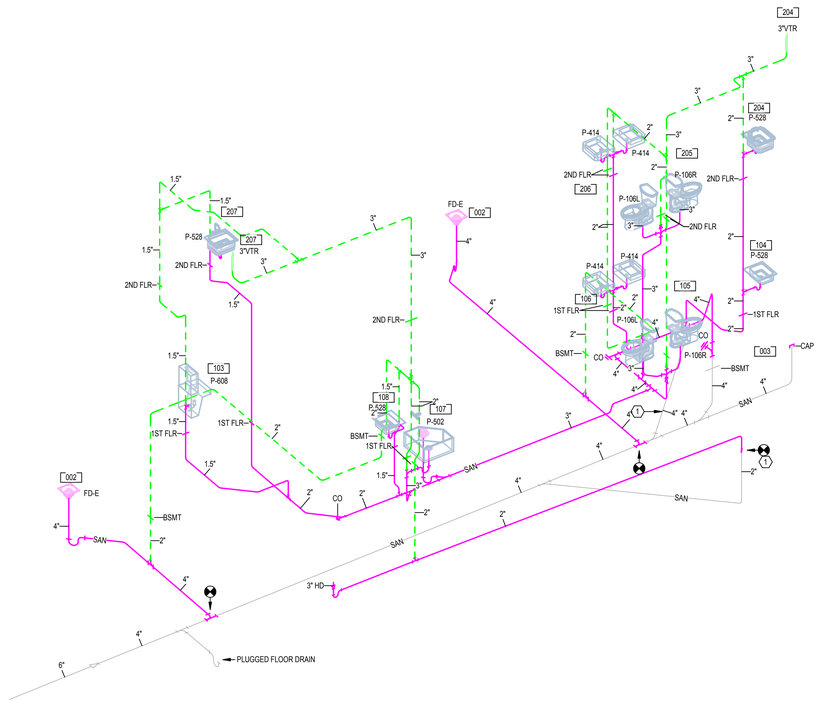
PLAN NOTES

1. CAPPED AT GRADE.



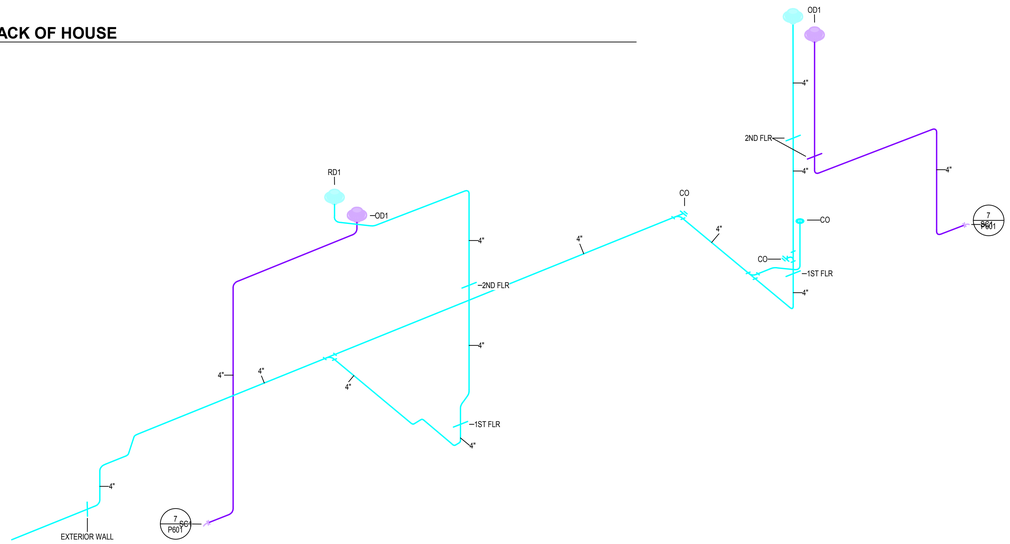
DRAINAGE ISOMETRIC - LOBBY

SCALE: NONE



DRAINAGE ISOMETRIC - BACK OF HOUSE

SCALE: NONE



STORM ISOMETRIC - BACK OF HOUSE

SCALE: NONE

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

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PROJECT NO. 2024-05141

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STATE OF OHIO MATTHEW L. GRAHAM 72670 REGISTERED PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	DRAINAGE ISOMETERIC
Phase	BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 35 HISTORIC THEATER
Project Number	621-24-103
Building Number	
Approved: VAMC	
	FULLY SPRINKLERED
Location	MT. HOME, TENNESSEE
Drawing Number	P901
Issue Date	07/01/2025
Checked	EWL
Drawn	RLC

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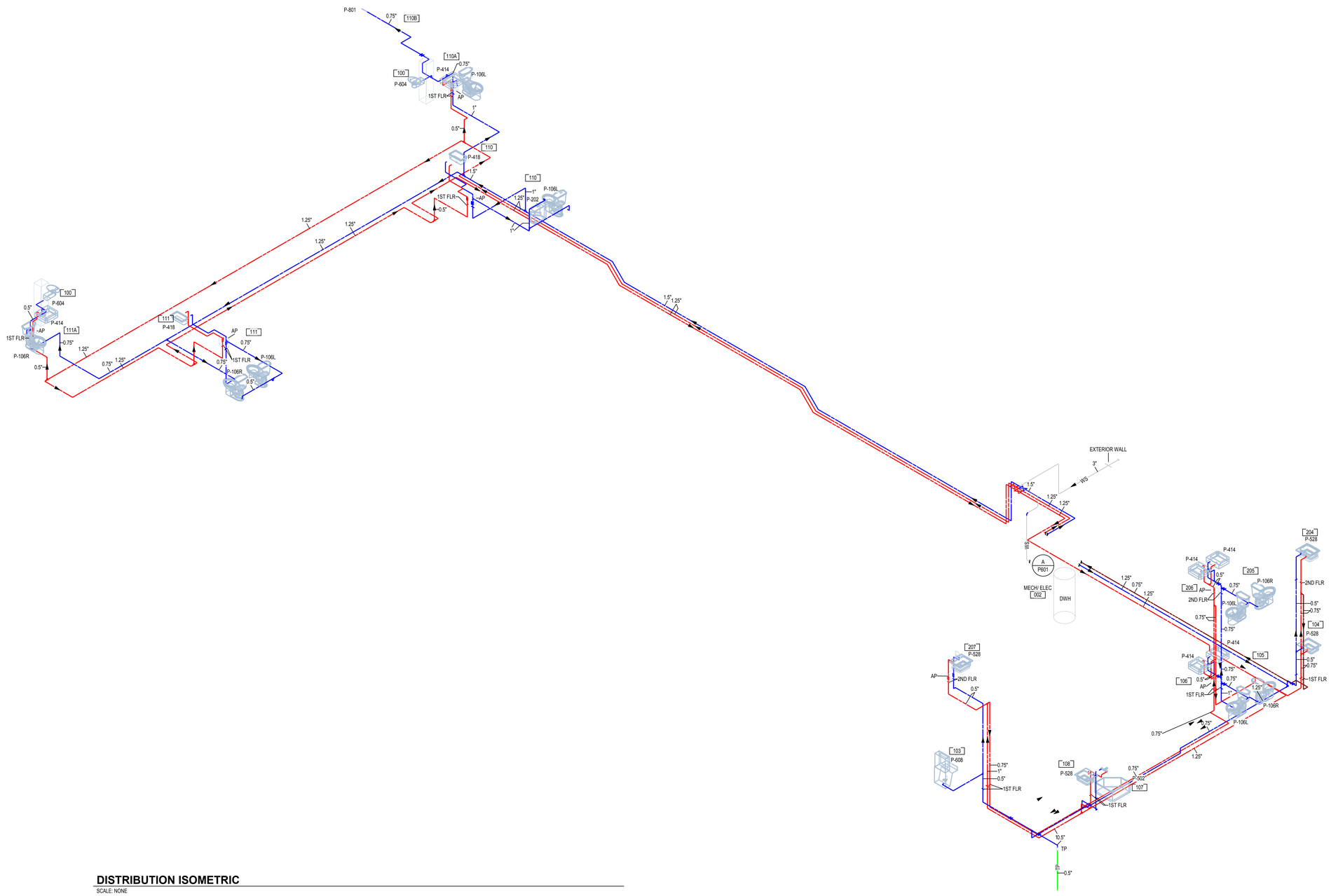

DISTRIBUTION ISOMETRIC

SCALE: NONE

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE HEAPY

PROJECT NO. 2024-05141

STAMP

STATE OF OHIO
MATTHEW C. GRAHAM
72670
REGISTERED
PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: DISTRIBUTION ISOMETERIC

Approved: VAMC

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: EWL

Drawn: RLC

Project Number: 621-24-103

Building Number:

Drawing Number: P902

VA FORM 08 - 6231

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GENERAL

1. PRIOR TO BIDDING, REVIEW THE PROJECT DRAWINGS AND SPECIFICATIONS TO BECOME FAMILIAR WITH THE PROJECT SCOPE AND THEATRICAL SYSTEMS REQUIREMENTS.
2. ADVISE THE ARCHITECT AND THEATER CONSULTANT OF ANY DISCREPANCIES THAT WILL AFFECT THE INSTALLATION OF THE THEATRICAL SYSTEMS.
3. OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR INSPECTION OF THE THEATRICAL SYSTEMS BY LOCAL OFFICIALS IF REQUIRED BY LOCAL CODE.
4. COORDINATE THE INSTALLATION OF THE THEATRICAL SYSTEMS WITH THE BASE BUILDING ELECTRICAL WORK, INCLUDING CONDUIT, BACK BOXES, PULL BOXES, JUNCTION BOXES, CABLES, AND ELECTRICAL POWER AS SHOWN ON THE ELECTRICAL DRAWINGS AND THEATER SYSTEMS INFRASTRUCTURE DRAWINGS.
5. COORDINATE WITH ARCHITECT ALL INFRASTRUCTURE REQUIREMENTS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO FLOOR BOX LOCATIONS, BACK BOX LOCATIONS AND ELEVATIONS, AND CONDUIT ROUTING. OBTAIN ARCHITECT'S APPROVAL BEFORE COMMENCING WITH WORK.
6. VERIFY THE BASE BUILDING ELECTRICAL INFRASTRUCTURE IS COMPLETE AND CORRECT FOR THE THEATRICAL SYSTEMS CABLES AND FUNCTIONS.
7. SUPPLY AND INSTALL MISCELLANEOUS CONDUIT, BACK BOXES, PULL BOXES, JUNCTION BOXES, AND CABLES TO RESULT IN A COMPLETE SYSTEM TO THE EXTENT THESE ITEMS ARE NOT SUPPLIED OR INSTALLED BY THE ELECTRICAL CONTRACTOR.
8. TERMINATE THEATER SYSTEMS CABLES.
9. SUPPLY AND INSTALL ALL THEATER SYSTEMS EQUIPMENT, ELECTRONICS, COMPONENT ITEMS, CONTROL SOFTWARE PROGRAMMING, AND PROVIDE TESTING TO ENSURE COMPLETE AND WORKING SYSTEMS.

RIGGING REQUIREMENTS

10. RIGGING DETAILS SHOWN ON THE THEATER DRAWINGS ARE CONCEPTUAL. RIGGING HARDWARE, ATTACHMENT METHODS, AND SUPPORTING STRUCTURE (BUILDING STEEL AND SUPPLEMENTAL STRUCTURE) MUST BE APPROVED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE RIGGING SYSTEMS ARE TO BE INSTALLED PRIOR TO COMMENCING WITH WORK.
11. ALL RIGGING LOADS INDICATED ON THE DRAWINGS ARE ESTIMATED. THE CONTRACTOR IS TO CONFIRM RIGGING LOADS WITH A LICENSED STRUCTURAL ENGINEER.
12. CONTRACTOR TO COORDINATE RIGGING REQUIREMENTS AND SUPPORTING STRUCTURE TO BE PROVIDED BETWEEN BUILDING STEEL CONTRACTOR AND RIGGING INSTALLER.
13. RIGGING CONTRACTOR TO PROVIDE SHOP DRAWINGS STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE WORK IS BEING PERFORMED. SHOP DRAWINGS MUST INCLUDE THE REVIEWING ENGINEER'S CALCULATIONS FOR THE PROPOSED RIGGING INSTALLATION.
14. IT IS THE RESPONSIBILITY OF BIDDING CONTRACTORS TO CAREFULLY REVIEW THE RIGGING SYSTEMS DESIGN SHOWN ON THESE DRAWINGS AND NOTE ANY POTENTIAL PROBLEMS OR CONFLICTS WITH BUILDING SYSTEMS IN A REQUEST FOR INFORMATION (RFI) PRIOR TO SUBMITTING BIDS.
15. RIGGING INSTALLER TO PROVIDE SUPPLEMENTAL STRUCTURE AND ALL HARDWARE REQUIRED TO SUPPORT INSTALLATION OF RIGGING SYSTEMS AS SHOWN ON THESE DRAWINGS.
16. ALL RIGGING TO BE INSTALLED BY AN ETCP-CERTIFIED INSTALLER.
17. ALL RIGGING SHALL BE INSTALLED TO ESTA AND ANSI ACCEPTED STANDARDS.
18. ALL PIPES ARE TO BE 1-1/2" DIAMETER NOMINAL (1.9" O.D.) SCHEDULE 40 STEEL UNLESS NOTED OTHERWISE.
19. ANSI E1.4-3.9.1(C): ALL PIPES, BATTENS, AND PIPE GRIDS SHALL BE CAPABLE OF SUPPORTING AT MINIMUM 30.25 LBS./FT OF UNIFORMLY DISTRIBUTED LOAD.
20. ALL PIPES, BATTENS, AND PIPE GRIDS SHALL BE CAPABLE OF SUSTAINING A POINT LOAD OF 100 LBS. AT MID-SPAN BETWEEN ANY TWO HANG POINTS/ATTACHMENTS TO STRUCTURE WITH A MAXIMUM SPAN DEFLECTION OF 1/180 OF THE SPAN.

ELECTRICAL INFRASTRUCTURE REQUIREMENTS

21. ALL CONDUITS SHALL BE EMT OF MINIMUM 1" DIAMETER UNLESS NOTED OTHERWISE.
22. CONDUITS SHALL BE PROVIDED SIZED AS INDICATED OR SIZED AS REQUIRED FOR 40 PERCENT FILL, WHICHEVER IS LARGER.
23. CONDUIT RUNS IN EXCESS OF 100 FT SHALL HAVE INTERMEDIATE JUNCTION BOXES EVERY 100 FT OR AT 3 BEND INTERVALS, WHICHEVER IS SHORTER.
24. CONDUIT FIELD BENDS AND OFFSETS SHALL BE AVOIDED WHENEVER POSSIBLE. FIELD BENDS SHALL BE MADE TO AVOID CHANGING THE INTERNAL DIAMETER AND NOT DAMAGE THE CONDUIT'S INTERIOR AND EXTERIOR PROTECTIVE COATINGS. FIELD BENDS SHALL BE FREE OF KINKS, INDENTATIONS, AND FLATTENING. INDIVIDUAL BENDS SHALL NOT EXCEED 90 DEGREES. NO MORE THAN 270 DEGREES OF TOTAL BENDS SHALL BE ALLOWED IN ANY ONE CONDUIT RUN.
25. ALL CONDUITS SHALL BE PROVIDED WITH ONE (1) SPARE NYLON PULL LINE.
26. ALL WALL AND CEILING BOXES SHALL BE A MINIMUM OF 3-1/2 INCHES DEEP UNLESS NOTED OTHERWISE.
27. ALL JUNCTION AND PULL BOXES SHALL BE A MINIMUM OF 4 INCHES DEEP UNLESS NOTED OTHERWISE
28. PULL BOXES AND JUNCTION BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
29. MAINTAIN PROXIMITY GROUPING OF ALL SIMILAR LEVEL CABLES AND CONDUITS. PROVIDE INDUSTRY-STANDARD SPACING BETWEEN CABLES AND CONDUITS OF DIFFERENT ELECTRICAL SIGNAL LEVELS.
30. ALL CONDUIT AND BACK BOXES ARE TO BE RECESSED. ALL CONDUIT TO BE CONCEALED WHERE POSSIBLE. IF CONDUIT AND BACK BOXES CANNOT BE RECESSED, NOTIFY ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH WORK.
    A. BOXES WHICH CANNOT BE RECESSED MUST BE DISCRETELY PLACED.
    B. CONDUITS WHICH CANNOT BE RECESSED IN OR FISHED THROUGH THE WALL OR CEILING MUST BE DISCRETELY ROUTED ALONG WALL / CEILING CORNERS OR OTHER ARCHITECTURAL FEATURES (E.G., MOLDING, DOOR / WINDOW TRIM, ETC.), IN CLOSE COORDINATION WITH THE ARCHITECT, TO MINIMIZE VISIBILITY.
    C. NO HISTORIC TRIM / WOODWORK IS TO BE DISTURBED.
31. ALL EXPOSED CONDUITS, BACK BOXES, PULL BOXES, AND JUNCTION BOXES THAT ARE VISIBLE SHALL BE PAINTED TO MATCH THE SURFACES TO WHICH THEY ARE MOUNTED.
32. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION ON LOCATING DEVICE BOXES.

ELECTRICAL CONTRACTOR INSTALLATION RESPONSIBILITIES

33. ALL ELECTRICAL POWER REQUIREMENTS INDICATED ON THEATER SYSTEMS DRAWINGS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND SHALL BE PROVIDED UNDER DIVISION 26. SEE ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRICAL POWER INFRASTRUCTURE TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
34. THE INSTALLATION OF ALL CONDUITS, BACK BOXES, PULL BOXES, JUNCTION BOXES, AND ELECTRICAL POWER SHOWN ON THESE THEATER SYSTEMS DRAWINGS SHALL BE PROVIDED UNDER DIVISION 26.
35. ELECTRICAL POWER FOR THE THEATRICAL LIGHTING AND LIGHTING CONTROL SYSTEM SHALL BE SERVED BY A DEDICATED BREAKER PANEL ELECTRICALLY ISOLATED FROM POWER CIRCUITS SERVING THE RIGGING CONTROL SYSTEM, RIGGING MOTORS, HVAC EQUIPMENT, AND OTHER NOISE-GENERATING BUILDING SYSTEMS EQUIPMENT.

STRUCTURED CABLING CONTRACTOR (27 1000) INSTALLATION RESPONSIBILITIES

36. NETWORK DATA REQUIREMENTS INDICATED ON THE THEATER SYSTEMS INFRASTRUCTURE DRAWINGS SHALL BE PROVIDED BY THE STRUCTURED CABLING CONTRACTOR.
37. PROVIDE AND INSTALL STRUCTURED CABLES TO ALL LOCATIONS INDICATED.
38. TERMINATE DATA CABLES WITH APPROPRIATE JACKS OR CONNECTORS AND SUPPLY AND INSTALL ALL FITTINGS TO INCLUDE DECORATOR INSERTS AND WALL PLATES, EXCEPT WHERE NETWORK DATA DROPS ARE TO BE PROVIDED INSIDE THEATRICAL DEVICE BOXES OR EQUIPMENT RACK LOCATIONS. FOR EQUIPMENT RACKS, COORDINATE REQUIREMENTS WITH THEATRICAL EQUIPMENT CONTRACTOR TO PROVIDE NETWORK DATA JACKS INSIDE EQUIPMENT RACK ENCLOSURES WHERE INDICATED. TERMINATE, MOUNT, AND LOCATE CONNECTIONS AS DIRECTED BY THE THEATRICAL CONTRACTOR.

THEATRICAL CONTRACTOR INSTALLATION REQUIREMENTS

39. COORDINATE ADDITIONAL STRUCTURE, BRACING, AND BLOCKING REQUIREMENTS FOR MOUNTING OF THEATRICAL EQUIPMENT WITH THE ARCHITECT AND GENERAL CONTRACTOR.
40. PROVIDE SUFFICIENT TRACK LENGTH AS REQUIRED TO STORE STACKED CURTAINS OF SPECIFIED LENGTH OFF-STAGE.
41. PROVIDE SUFFICIENT SLACK FOR LOW VOLTAGE CONTROL CABLES AND POWER CABLES ENTERING FLOOR AND WALL MOUNTED EQUIPMENT RACKS TO ENABLE EQUIPMENT RACKS TO BE MOVED OUT OR OPENED UP FULLY, AND TO CLEAR ADJACENT WALLS OR FURNITURE FOR SERVICING.
42. PROVIDE SEQUENTIAL NUMBERING OF ALL THEATER SYSTEMS CABLES AT EACH CABLE ORIGINATION AND TERMINATION POINT. RECORD NUMBERING AS PART OF THE THEATER SYSTEMS DOCUMENTATION.
43. PROVIDE SEQUENTIAL NUMBERING OF ALL DEVICE PLATES AND CONNECTORS. LABELING SHALL DESIGNATE FUNCTION, TYPE, AND UNIQUE INTERCONNECTION NUMBER AND SHALL BE RECORDED AS PART OF THE THEATER SYSTEMS DOCUMENTATION.
44. SEE SPECIFICATION 116100 FOR FULL THEATRICAL CONTRACTOR INSTALLATION REQUIREMENTS.

SPECIAL REQUIREMENTS - EXISTING CONDITIONS

1. EXISTING EQUIPMENT LOCATIONS AND RIGGING DIMENSIONS ON THESE DRAWINGS ARE A BEST-EFFORT ATTEMPT TO DOCUMENT EXISTING CONDITIONS, BUT MAY NOT BE CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFYING EXISTING CONDITIONS.
2. PROVIDE AN EXISTING CONDITIONS SITE INSPECTION (OR INSPECTIONS, AS NECESSARY) WITHIN THREE (3) WEEKS OF PROJECT AWARD TO DOCUMENT EXISTING EQUIPMENT AND CONDITIONS. MAKE NOTE OF EXISTING CONDITIONS OR ANY OTHER CONFLICTS THAT COULD AFFECT THE INSTALLATION OF NEW THEATER LIGHTING/RIGGING SYSTEMS AS INDICATED ON THESE DRAWINGS IN A WRITTEN REQUEST FOR INFORMATION (RFI).
3. PROVIDE LABOR TO UNINSTALL EXISTING THEATER LIGHTING/RIGGING EQUIPMENT NOT INTENDED TO REMAIN AS PART OF THE NEW THEATER LIGHTING/RIGGING SYSTEMS AND DISPOSE OF DECOMMISSIONED EQUIPMENT AS DIRECTED BY THE OWNER.
4. RIGGING:
    A. PROVIDE LABOR TO CAREFULLY UNINSTALL ALL EXISTING THEATER RIGGING EQUIPMENT ALL THE WAY TO EXISTING STRUCTURE. COORDINATE WITH OWNER WHETHER UNINSTALLED EQUIPMENT IS TO BE DISPOSED OF OR TURNED OVER.
    B. EXISTING RIGGING AND DRAPERIES WILL BE REPLACED WITH ALL NEW RIGGING AND DRAPERIES AS SHOWN ON THE DRAWINGS.
5. LIGHTING: PROVIDE LABOR TO CAREFULLY UNINSTALL ANY EXISTING THEATER LIGHTING EQUIPMENT.
    A. DECOMMISSION ALL ELECTRONICS, INCLUDING EXISTING DIMMER RACK(S);
    B. UNMOUNT EXISTING LIGHTING FIXTURES, DISTRIBUTION EQUIPMENT, AND EXPOSED CABLING;
    C. UNINSTALL ALL LOW VOLTAGE LIGHTING CONTROLS AND LIGHTING CONTROL CONNECTOR PLATES;
    D. UNINSTALL ALL CABLING BELOW 100V (LOW VOLTAGE);
    E. EXISTING POWER DISTRIBUTION – TO INCLUDE EXISTING OUTLET BOXES AND/OR RACEWAYS – SHALL BE DECOMMISSIONED AND REPLACED WITH ALL-NEW POWER AND CONTROL DISTRIBUTION PLATES / RACEWAYS TO ACCOMMODATE NEW THEATRICAL LIGHTING CIRCUITS AND LIGHTING CONTROL SIGNALS.
    F. ALL EXISTING WIRING ASSOCIATED WITH THEATRICAL LIGHTING CIRCUITS SHALL BE REMOVED AND REPLACED WITH NEW WIRING (BY DIVISION 26 - SEE ELECTRICAL DRAWINGS FOR INFORMATION ON WIRING FOR HOUSE LIGHTING CIRCUITS).
    G. TURN OVER ANY EXISTING THEATRICAL LIGHTING FIXTURES AND DECOMMISSIONED THEATRICAL LIGHTING EQUIPMENT TO THE OWNER IN GOOD WORKING ORDER. COORDINATE WITH THE OWNER TO TURN OVER OR DISPOSE OF DECOMMISSIONED LIGHTING EQUIPMENT AS DIRECTED.
    H. THE INTENT IS TO PROVIDE A NEW, COMPLETE ALL-LED LIGHTING SYSTEM IN THE AUDITORIUM TO INCLUDE NEW POWER AND CONTROL DISTRIBUTION FOR THEATRICAL LIGHTING POSITIONS.
    I. SEE 'ELECTRICAL INFRASTRUCTURE REQUIREMENTS' NOTE 30 FOR FOR SPECIAL REQUIREMENTS RELATED TO INSTALLATION OF NEW ELECTRICAL INFRASTRUCTURE.
6. RIGGING AND LIGHTING EQUIPMENT PROVIDED AS PART OF THE RENOVATION PROJECT SHALL BE NEW, UNUSED, AND OF THE LATEST DESIGN.
7. COORDINATE WITH THE OWNER THE INSTALLATION OF EQUIPMENT, PROVIDING ALL NECESSARY ACCESSORIES AND INTERFACING COMPONENTS FOR A COMPLETE, WORKING SYSTEM MEETING THE OWNER'S REQUIREMENTS.

Theater Systems Symbols

- 01 — Theatrical Line Set Tag (See Line Set Schedule)
- Electric Motor. See Note for Details.
- Hard-Wired Electrical Power As Noted.
- 20A 120V Duplex Power Receptacle 18" AFF Unless Noted Otherwise (U.N.O.)
- 20A 120V Quadplex Power Receptacle 18" AFF Unless Noted Otherwise (U.N.O.)
- Network Data Outlet 18" AFF U.N.O. Number Indicates Quantity of Data Drops
- F-01 — Floor Box Designation; Floor Box. See Conduit Schedule for Details
- F-01 — Floor Box Designation; Floor Box. See Conduit Schedule for Details; Data and Data Drops To Be Provided in Floor Box; Power To Be Provided in Floor Box
- PD-01 — Wall Box Designation; Wall Box. See Conduit Schedule for Details; Standard Gang Size (When Indicated)
- PD-01 — Wall Box Designation; Wall Box. See Conduit Schedule for Details; Standard Gang Size (When Indicated); Data and Data Drops To Be Provided in Wall Box; Power To Be Provided in Wall Box
- C-01 — Ceiling Box Designation; Ceiling Box. See Conduit Schedule for Details; Standard Gang Size (When Indicated)
- C-01 — Ceiling Box Designation; Ceiling Box. See Conduit Schedule for Details; Standard Gang Size (When Indicated); Data and Data Drops To Be Provided in Ceiling Box; Power To Be Provided in Ceiling Box
- DP-1 — Lighting System Dimmer Panel
- ELT-1 — Emergency Lighting Transfer Switch
- ER-L1 — Lighting System Equipment Rack
- RC-1 — Motorized Rigging Control Station
- RP-1 — Lighting System Relay Panel

Theater Systems Designations Legend

BS	Lighting Control System Button Station
BL	Low Voltage Blue Light
DEB	Wall Mounted DMX Emergency Bypass Controller
EDK	Wall Mounted Emergency Bypass Detection Kit
ES	Rigging Control System Emergency Stop
FS	Lighting Control System Fader Station
TS	Lighting Control System Touch Screen Station
HP	Hoist Power and Control Distribution Box
J	Junction / Pull Box, Size and Service As Noted
MS	Motor Starter
PD	Lighting System Power and Control Distribution
PS	Lighting Control Plug-In Station
LKS	Lighting Control System Lockout Station

THEATRICAL RIGGING LINE SET SCHEDULE

LINE SET/ LOCATION	DISTANCE TO PROSCENIUM (PLASTER LINE)	FUNCTION	PIPE ELEVATION SHOW TRIM	PIPE ELEVATION HIGH TRIM	MAX. TRAVEL	BATTEN LENGTH	BATTEN CAPACITY	NOTES
01	(-) 44'-6"	FRONT OF HOUSE ELECTRIC	32'-2"	32'-2"	14'-11" (V.I.F.)	33'-0"	1,000 lbs. WLL	MOTORIZED ELECTRIC WITH COMPRESSION TUBE, INTEGRAL CONNECTOR STRIP, AND INTEGRATED FLAT RIBBON CABLE MANAGEMENT SYSTEM. PROVIDE CONNECTOR STRIP 31 FT LONG W/ SEVEN (7) CIRCUITS DISTRIBUTED VIA TWENTY-ONE (21) EDISON RECEPTACLES SPACED 18 INCHES O.C. ALONG LENGTH OF BATTEN. PROVIDE INTEGRAL J-BOX AT END OF BATTEN CLOSEST TO RELAY PANEL 'RP-01' AND EQUIPMENT RACK 'ER-L1'.
02	(-) 31'-2 3/4"	SIDELIGHT BOOM - HOUSE LEFT	--	--	--	8'-0" (VERTICAL)	300 lbs. WLL	EXISTING VERTICAL SIDELIGHT BOOM TO BE RETAINED. CONTRACTOR TO VERIFY WITH STRUCTURAL ENGINEER THE EXISTING FIXTURE PIPE AND ATTACHMENT METHOD SUPPORT THE DESIGN WORKING LOAD LIMIT (WLL).
02	(-) 31'-2 3/4"	SIDELIGHT BOOM - HOUSE RIGHT	--	--	--	8'-0" (VERTICAL)	300 lbs. WLL	SAME NOTE AS ABOVE FOR SIDELIGHT BOOM - HOUSE LEFT.
03	0'-4"	MAIN VALANCE	26'-0" AFF	--	--	40'-0"	1,210 lbs. WLL	BATTEN DEAD-HUNG FROM STRUCTURE (PARALLEL BEAM) ABOVE.
04	1'-0"	MAIN TRAVELER	31'-0" AFF	--	--	40'-0"	1,210 lbs. WLL	DEAD-HUNG HEAVY DUTY STEEL CURTAIN TRACK WITH ALL NECESSARY ACCESSORIES FOR MANUAL BI-PARTING CORD OPERATION. INSTALL FLOOR PULLEY AT STAGE RIGHT.
05	2'-9 1/8"	1st STAGE ELECTRIC	22'-0" AFF	38'-11"	34'-11"	40'-0"	1,500 lbs. WLL	MOTORIZED ELECTRIC FLOWN WITH GENERAL-PURPOSE HOIST INSTALLED UPRIGHT ON CHANNEL GRID ABOVE. PROVIDE CONNECTOR STRIP AND HELIX CABLE MANAGEMENT FROM GRIDIRON JUNCTION BOX. PROVIDE CONNECTOR STRIP 36 FT LONG W/ SIX (6) CIRCUITS DISTRIBUTED VIA TWENTY-FOUR (24) EDISON RECEPTACLES SPACED 18 INCHES O.C. ALONG LENGTH OF BATTEN. PROVIDE GRIDIRON J-BOX AT END OF BATTEN CLOSEST TO RELAY PANEL 'RP-01' AND EQUIPMENT RACK 'ER-L1'.
06	4'-3 1/4"	LEGS	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	FULL-WIDTH DEAD-HUNG BATTEN WITH 8'-0" LONG HEAVY DUTY STEEL DRAPERY TRACK AT EACH END. PROVIDE TWO (2) 6'-0" WIDE PANELS. LEGS SHALL BE WALK-ALONG OPERATION. TIE-OFF OR TETHER TRAILING OFF-STAGE CARRIER TO OFF-STAGE END OF TRACK. PROVIDE TOWLINE IN BLACK COLOR ON UPSTAGE SIDE OF PANEL FOR EASIER DEPLOYMENT.
07	5'-3 1/4"	FLOWN PROJECTION SCREEN	20'-0" AFF	29'-6" (MIN.)	24'-0" (MIN.)	24'-0"	1,300 lbs. WLL	BATTEN IS NOMINAL 1-1/2" DIAMETER SCHEDULE 80 STEEL PIPE FLOWN WITH FIXED SPEED GENERAL PURPOSE HOIST INSTALLED UPRIGHT ON CHANNEL GRID ABOVE. PROVIDE CABLE MANAGEMENT/CABLE CRADLE FOR PROJECTION SCREEN POWER (120V 20A MAX.) AND LOW VOLTAGE SCREEN CONTROL SIGNALS FROM JUNCTION BOXES AT STRUCTURE ABOVE TO FLOWN SCREEN CASE. COORDINATE REQUIREMENTS WITH AUDIO-VISUAL CONTRACTOR AND ELECTRICAL CONTRACTOR. SET 2 STORED TRIMS, 1 FOR 'SHOW' POSITION AND 1 FOR 'STOW' (HIGH TRIM) POSITION.
08	8'-1 1/4"	LEGS	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	SAME NOTES AS LINE SET 06, ABOVE.
09	9'-9 1/4"	FLOWN BORDER / UTILITY BATTEN	28'-0" AFF	42'-0"	38'-0"	40'-0"	1,300 lbs. WLL	BATTEN FLOWN WITH FIXED SPEED GENERAL PURPOSE HOIST INSTALLED UPRIGHT ON CHANNEL GRID ABOVE.
10	10'-9 1/4"	2nd STAGE ELECTRIC	22'-0" AFF	38'-11"	34'-11"	40'-0"	1,500 lbs. WLL	SAME NOTES AS LINE SET 05, ABOVE.
11	12'-8 1/2"	MID-STAGE TRAVELER	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	SAME NOTES AS LINE SET 04, ABOVE.
12	16'-11 1/4"	FLOWN BORDER / UTILITY BATTEN	28'-0" AFF	42'-0"	38'-0"	40'-0"	1,300 lbs. WLL	SAME NOTES AS LINE SET 09, ABOVE.
13	17'-7 1/4"	LEGS	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	SAME NOTES AS LINE SET 06, ABOVE.
14	18'-9 1/4"	3rd STAGE ELECTRIC	22'-0" AFF	38'-11"	34'-11"	40'-0"	1,500 lbs. WLL	SAME NOTES AS LINE SET 05, ABOVE.
15	21'-10"	LEGS	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	SAME NOTES AS LINE SET 06, ABOVE.
16	22'-6"	FLOWN BORDER / UTILITY BATTEN	28'-0" AFF	42'-0"	38'-0"	40'-0"	1,300 lbs. WLL	SAME NOTES AS LINE SET 09, ABOVE.
17	23'-2"	FLOWN SCRIM CURTAIN	24'-0" AFF	42'-0"	38'-0"	40'-0"	1,300 lbs. WLL	BATTEN FLOWN WITH FIXED SPEED GENERAL PURPOSE HOIST INSTALLED UPRIGHT ON CHANNEL GRID ABOVE.
18	24'-2"	4th STAGE ELECTRIC	22'-0" AFF	38'-11"	34'-11"	40'-0"	1,500 lbs. WLL	SAME NOTES AS LINE SET 05, ABOVE.
19	25'-8"	UPSTAGE TRAVELER	31'-0" AFF	--	--	42'-0"	1,270 lbs. WLL	SAME NOTES AS LINE SET 04, ABOVE.
20	27'-2"	FLOWN CYCLORAMA	24'-0" AFF	42'-0"	38'-0"	40'-0"	1,300 lbs. WLL	BATTEN FLOWN WITH FIXED SPEED GENERAL PURPOSE HOIST INSTALLED UPRIGHT ON CHANNEL GRID ABOVE.

THEATER SYSTEMS SHEET LIST

Sheet Number	Sheet Name	Discipline Name	Discipline Number	Order	Included in Set
TE001	THEATER SYSTEMS SYMBOLS & NOTES	THEATER	12.1	00	Yes
TE002	THEATER SYSTEMS SCHEDULES	THEATER	12.1	00	Yes
TE101	ENLARGED PLANS	THEATER	12.1	01	Yes
TE102	ENLARGED PLANS	THEATER	12.1	01	Yes
TE103	ENLARGED PLANS	THEATER	12.1	01	Yes
TE104	ENLARGED PLANS	THEATER	12.1	01	Yes
TE201	REFLECTED CEILING PLANS	THEATER	12.1	02	Yes
TE301	SECTIONS	THEATER	12.1	03	Yes
TE302	SECTIONS	THEATER	12.1	03	Yes
TE303	SECTIONS	THEATER	12.1	03	Yes
TE304	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE305	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE306	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE307	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE308	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE309	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE310	RIGGING ELEVATIONS	THEATER	12.1	03	Yes
TE311	RIGGING DETAILS	THEATER	12.1	03	Yes
TE312	RIGGING DETAILS	THEATER	12.1	03	Yes
TE401	THEATER SYSTEMS CONTROL RISER	THEATER	12.1	04	Yes
TE402	THEATER SYSTEMS CIRCUIT SCHEDULES	THEATER	12.1	04	Yes
TE403	POWER & CONTROL DISTRIBUTION	THEATER	12.1	04	Yes
TE404	POWER & CONTROL DISTRIBUTION	THEATER	12.1	04	Yes

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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VA U.S. Department of Veterans Affairs

Drawing Title: THEATER SYSTEMS SYMBOLS & NOTES

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE001

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV_THEATER (2024).rvt

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THEATER SYSTEMS INFRASTRUCTURE SCHEDULE

DEVICE DESIGNATION	GANGS / SIZE	ELEVATION REFERENCE	ELEVATION	DATA DROPS (BY TELECOM)	DEVICE CONDUIT REQUIREMENTS	NOTES
BS-01	1	01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'DP-01' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX.
BS-02	1	01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'BS-01' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX.
BS-03	1	01.2-FIRST FLOOR	3' - 10"		ONE (1) 3/4" CONDUIT TO 'BS-02' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	FLUSH MOUNTED WALL BOX.
BS-04	1	02.2-BALCONY	6' - 4"		ONE (1) 3/4" CONDUIT TO 'BS-03' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX AT 3'-10" AFF.
BS-05	1	02.2-BALCONY	6' - 4"		ONE (1) 3/4" CONDUIT TO 'BS-04' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX AT 3'-10" AFF.
BS-06	1	01.2-FIRST FLOOR	3' - 10"		ONE (1) 3/4" CONDUIT TO 'BS-05' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	FLUSH MOUNTED WALL BOX.
BS-07	1	01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'BS-06' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS ONE (1) 3/4" CONDUIT TO 'DP-01' TO MAKE A COMPLETE CONDUIT LOOP FOR 'BS-01' THROUGH 'BS-07'.	SURFACE MOUNTED BOX.
DP-01		01.1-STAGE	0' - 0"		PROVIDE 120 / 208 VAC 3 PHASE (4 WIRE + GROUND) NORMAL/EMERGENCY ELECTRICAL POWER RATED AT 80A PER PHASE FOR CONTROL OF AUDITORIUM HOUSE LIGHTING CIRCUITS DURING NORMAL OPERATION AND DURING A LOSS OF NORMAL POWER. DIMMER PANEL 'DP-01' SERVES EMERGENCY HOUSE LIGHTING AND REQUIRES POWER AT ALL TIMES. NORMAL/EMERGENCY POWER SOURCE SHALL BE BY DIVISION 26. ONE (1) 3/4" CONDUIT TO 'EDK' FOR LOW VOLTAGE PANIC SIGNAL (FOR UL924 EMERGENCY CONTACT INPUT). ONE (1) CONDUIT SIZED FOR UP TO (12) 120V 20A CIRCUITS ROUTED TO EXISTING HOUSE LIGHTING PANEL (BEING RETAINED AS PULL BOX) FOR CONNECTING EXISTING HOUSE LIGHTING BRANCH CIRCUITS TO LOAD SIDE OF DP-01. ONE (1) 3/4" CONDUIT TO "J-LB" FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS. CIRCUITS	UL924-LISTED DIMMER PANEL 'DP-01' WALL MOUNTED AT 36" AFF FOR CONTROL OF HOUSE LIGHTS. PROVIDE RIDE THROUGH OPTION FOR SHORT-TERM POWER BACKUP OF CONTROL ELECTRONICS FOR AT LEAST 10 SECONDS. CONFIGURE LOAD SHEDDING AS REQUIRED TO PRIORITIZE EMERGENCY HOUSE LIGHTING DURING AN EMERGENCY STATE. SEE ELECTRICAL DRAWINGS AND COORDINATE REQUIREMENTS WITH DIVISION 26.
EDK		01.1-STAGE	3' - 6"		ONE (1) CONDUIT ROUTED TO NORMAL POWER SOURCE AS SPECIFIED BY DIVISION 26 FOR 4-WIRE 20A MAX NORMAL POWER SENSE FEED. ONE (1) 3/4" CONDUIT ROUTED TO FIRE ALARM SYSTEM INTERFACE FOR LOW VOLTAGE CONTACT CLOSURE.	WALL MOUNTED EMERGENCY BYPASS DETECTION KIT. HARDWIRE NORMAL POWER SENSE FEED INTO WALL-MOUNTED EMERGENCY PYPASS DETECTION KIT FOR TRIGGERING 'PANIC' SCENES DURING LOSS OF NORMAL POWER. NORMAL POWER SOURCE FOR POWER LOSS DETECTION TO BE SPECIFIED BY DIVISION 26. HARDWIRE AS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
ER-L1	24 RU, 22-INCH DEEP	01.1-STAGE	2' - 6"	2	CONDUITS ARE ROUTED FROM OTHER DEVICES TO 'ER-L1'	WALL MOUNTED ROTATING SECTIONAL EQUIPMENT RACK FOR HOUSING THEATRICAL LIGHTING NETWORK / CONTROL INTERFACE EQUIPMENT.
ES-01	2	01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'RC-01' FOR MOTORIZED RIGGING SYSTEM EMERGENCY STOP SIGNALS.	SURFACE MOUNTED BOX.
ES-02	2	02.2-BALCONY	1' - 1 3/8"		ONE (1) 3/4" CONDUIT TO 'ES-01' FOR MOTORIZED RIGGING SYSTEM EMERGENCY STOP SIGNALS.	INSTALL SURFACE MOUNTED WALL BOX 3'-10" ABOVE FINISHED FLOOR. PAINT BOX AND CONDUITS TO MATCH SURROUNDING WALL. COORDINATE REQUIREMENTS WITH ARCHITECT.
F-L1		01.1-STAGE	0' - 0"		ONE (1) 3/4" CONDUIT TO 'J-LA' FOR ONE (1) 120V 20A THEATRICAL LIGHTING POWER CIRCUIT. ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE MINI FLOOR POCKET, BACK BOX, AND VOLTAGE BARRIER INSTALLED FLUSH IN STAGE FLOOR WITH HINGE SIDE TO AUDIENCE. PROVIDE ONE (1) CONNECTOR PLATE IN HIGH VOLTAGE SIDE FITTED WITH (1) 20A POWERCON OUTPUT RECEPTACLE AND ONE (1) CONNECTOR PLATE IN LOW VOLTAGE SIDE FITTED WITH XLR DMX OUTPUT. COORDINATE LOCATION OF FLOOR BOX, LID STYLE, AND LID FINISH WITH ARCHITECT.
HHR-1		01.1-STAGE	1' - 6"		ONE (1) 1" CONDUIT TO "RC-01" FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SURFACE MOUNTED HANDHELD RIGGING REMOTE CONTROL PLUG-IN STATION FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.
HP-01		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'RNC-1' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	INSTALL POWER AND CONTROL DISTRIBUTION BOX NEAR MOTOR STARTER BOX FOR CONNECTION WITH 8 FT POWER AND DATA CABLES PROVIDED BY MANUFACTURER.
HP-02		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-01' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-03		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-02' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-04		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-03' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-05		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-04' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-06		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-05' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-07		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-06' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-08		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-07' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-09		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-08' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-10		CHANNEL GRID	1' - 0"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-09' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	SAME NOTES AS 'HP-01', ABOVE.
HP-11		04.1-CEILING	4' - 6"		HARDWIRE 208VAC 3 PHASE (3 WIRE + GROUND) POWER RATED AT 20A MAX. PROVIDE MOTOR RATED BREAKER. ONE (1) 3/4" CONDUIT TO 'HP-10' FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.	INSTALL POWER AND CONTROL DISTRIBUTION BOX TO ATTIC STRUCTURE NEAR HOIST / POWERHEAD FOR CONNECTION WITH 8 FT POWER AND DATA CABLES PROVIDED BY MANUFACTURER.
J-L1		CHANNEL GRID	-1' - 11 11/16"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR SIX (6) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) LOW VOLTAGE CONDUIT TO 'J-LB' FOR LIGHTING CONTROL SIGNALS.	GRIDIRON JUNCTION BOX MOUNTED TO CHANNEL GRID STRUCTURE ABOVE FLOWN ELECTRIC AND FITTED WITH VOLTAGE BARRIER TO SERVE THEATER LIGHTING POWER CIRCUITS AND LOW VOLTAGE CONTROL SIGNALS TO FIXTURE BATTEN BELOW. COORDINATE LOCATION TO ACCOMMODATE TRADITIONAL CABLE MANAGEMENT FROM CHANNEL GRID DOWN TO CONNECTOR STRIP BELOW.
J-L2		CHANNEL GRID	-1' - 11 11/16"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR SIX (6) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) LOW VOLTAGE CONDUIT TO 'J-LB' FOR LIGHTING CONTROL SIGNALS.	SAME NOTES AS 'J-L1', ABOVE.
J-L3		CHANNEL GRID	-1' - 11 11/16"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR SIX (6) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) LOW VOLTAGE CONDUIT TO 'J-LB' FOR LIGHTING CONTROL SIGNALS.	SAME NOTES AS 'J-L1', ABOVE.
J-L4		CHANNEL GRID	-1' - 11 11/16"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR SIX (6) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) LOW VOLTAGE CONDUIT TO 'J-LB' FOR LIGHTING CONTROL SIGNALS.	SAME NOTES AS 'J-L1', ABOVE.
J-L5		ATTIC	3' - 4 5/16"		ONE (1) HIGH VOLTAGE CONDUIT TO 'J-LA' SIZED FOR SEVEN (7) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) LOW VOLTAGE CONDUIT TO 'J-LB' FOR LIGHTING CONTROL SIGNALS.	UPPER TERMINATION BOX FITTED WITH VOLTAGE BARRIER AND INTEGRAL WITH HOIST MANAGEMENT SYSTEM IS PROVIDED BY HOIST MANUFACTURER.
J-LA	12" x 12" x 6"	01.1-STAGE	9' - 0"		ONE (1) 3" CONDUIT TO 'RP-01' FOR FORTY-EIGHT (48) SINGLE-PHASE 120V 20A THEATRICAL LIGHTING CIRCUITS.	SURFACE MOUNTED JUNCTION BOX FOR THEATRICAL LIGHTING ELECTRICAL POWER CIRCUITS. COORDINATE LOCATION WITH 'RP-01'.
J-LB	12" x 12" x 6"	01.1-STAGE	7' - 11"		ONE (1) 2-1/2" CONDUIT TO 'ER-L1' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS. ONE (1) CONDUIT TO 'AV-04' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED JUNCTION BOX ABOVE FINISHED CEILING. COORDINATE LOCATION TO BE ABOVE / ADJACENT TO 'ER-L1'.
MS-01		CHANNEL GRID	1' - 0"		POWER AND DATA CABLES PROVIDED BY MANUFACTURER CONNECT MOTOR STARTER BOX TO ADJACENT HOIST POWER & CONTROL DISTRIBUTION BOX.	SURFACE MOUNTED MOTOR STARTER BOX MUST BE MOUNTED UPRIGHT NEAR POWERHEAD FOR CONNECTION WITH 10'-0" POWER AND DATA CABLES. 2" CLEARANCE IS REQUIRED ABOVE AND BELOW MOTOR STARTER BOX TO MAINTAIN PROPER VENTILATION.
MS-02		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-03		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-04		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-05		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-06		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-07		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-08		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-09		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
MS-10		CHANNEL GRID	1' - 0"		SAME REQUIREMENTS AS 'MS-01', ABOVE.	SAME NOTES AS 'MS-01', ABOVE.
PD-01	3	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'PD-02' SIZED FOR TWO (2) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'PD-02' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-02	3	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR FOUR (4) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-03	3	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'PD-04' SIZED FOR TWO (2) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'PD-04' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-04	3	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR FOUR (4) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-05	5	01.1-STAGE	-1' - 3"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR TWO (2) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 4 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-11	3	02.2-BALCONY	5' - 6"		ONE (1) CONDUIT TO 'J-LA' SIZED FOR TWO (2) 120V 20A THEATRICAL LIGHTING POWER CIRCUITS. ONE (1) CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS. SEE NOTES FOR SPECIAL CONDUIT ROUTING REQUIREMENTS.	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (ELECTRICAL POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE. NOTE CONDUITS ARE TO BE ROUTED OVER TO ADJACENT DOOR TRIM AND DOWN ALONG TRIM TO UNDER-BALCONY CEILING. ONCE CONDUITS ARE UNDER BALCONY, ROUTE OVER CEILING ALONG SIDE WALL INTO STAGE. DISCRETELY ROUTE CONDUITS IN COORDINATION WITH THE ARCHITECT TO MINIMIZE VISIBILITY. PAINT BOX AND CONDUITS TO MATCH SURFACE ON WHICH THEY ARE MOUNTED.
PD-12	3	02.2-BALCONY	5' - 6"		SAME REQUIREMENTS AS 'PD-11', ABOVE.	SAME NOTES AS 'PD-11', ABOVE.
PD-21	2	01.1-STAGE	4' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LA' FOR ONE (1) 120V 20A THEATRICAL LIGHTING POWER CIRCUIT. ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	NEW BOX REPLACES EXISTING 4x4 ELECTRICAL BOX IN PROSCENIUM WALL SIDELIGHT RECESS. PROVIDE NEW BOX WITH VOLTAGE BARRIER FOR 1 GANG HIGH VOLTAGE (POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PD-22	2	01.1-STAGE	4' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LA' FOR ONE (1) 120V 20A THEATRICAL LIGHTING POWER CIRCUIT. ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	NEW BOX REPLACES EXISTING 4x4 ELECTRICAL BOX IN PROSCENIUM WALL SIDELIGHT RECESS. PROVIDE NEW BOX WITH VOLTAGE BARRIER FOR 1 GANG HIGH VOLTAGE (POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE.
PS-01	2	01.1-STAGE	1' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX.
PS-02	2	01.1-STAGE	1' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX.
PS-03	2	01.1-STAGE	0' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	FLUSH / RECESSED WALL BOX IN NEW RISER FACE.
PS-04	3	BOOTH LEVEL	1' - 6"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	SURFACE MOUNTED BOX.
PS-11	1	02.2-BALCONY	4' - 0"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR FUTURE LOW VOLTAGE LIGHTING CONTROL SIGNALS.	WALL BOX INSTALLED 1'-6" AFF.
PS-12	1	02.2-BALCONY	4' - 0"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR FUTURE LOW VOLTAGE LIGHTING CONTROL SIGNALS.	WALL BOX INSTALLED 1'-6" AFF.
RC-01		01.1-STAGE	3' - 10"		ONE (1) 1" CONDUIT TO RIGGING NETWORK CONTROL ENCLOSURE "RNC-1" FOR RIGGING CONTROLLER LOW VOLTAGE POWER AND LOW VOLTAGE RIGGING CONTROL SIGNALS.	SURFACE MOUNTED RIGGING CONTROL STATION WITH LOCKING DOOR (W/ E-STOP ACCESS) FOR LOW VOLTAGE RIGGING CONTROL SIGNALS.
RNC-1		01.1-STAGE	5' - 6"		HARDWIRE 120VAC SINGLE PHASE (2 WIRE + GROUND) POWER RATED AT 20A MAX (2A FUSED).	RIGGING NETWORK CONTROL ENCLOSURE FOR HOUSING RIGGING SYSTEM POWER INJECTOR, ETHERNET-BASED RIGGING SYSTEM INTERFACE, AND SMALL NETWORK SWITCH.
RP-01		01.1-STAGE	1' - 6"		HARDWIRE 208 VAC 3 PHASE (4 WIRE + GROUND) POWER RATED AT 200A PER PHASE INTO WALL-MOUNTED RELAY PANEL FOR POWERING NEW THEATRICAL LIGHTING CIRCUITS. ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS. ONE (1) 3/4" CONDUIT TO 'ER-L1' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS. ONE (1) 3/4" CONDUIT TO FIRE ALARM RELAY MODULE FOR EMERGENCY SYSTEM LOW VOLTAGE STATUS SIGNALS	NEW WALL-MOUNTED 48-CIRCUIT RELAY PANEL INSTALLED 18" AFF (TO BOTTOM OF RELAY PANEL) FOR CONTROL OF AUDITORIUM THEATRICAL LIGHTING CIRCUITS.
TS-01		01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'J-LB' FOR LOW VOLTAGE LIGHTING CONTROL SIGNALS.	PROVIDE MANUFACTURER'S SURFACE MOUNTED WALL BOX WITH LOCKING COVER FOR LIGHTING CONTROL TOUCH SCREEN STATION. INSTALL LOCKING SECURITY COVER.

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VA U.S. Department of Veterans Affairs

Drawing Title: THEATER SYSTEMS SCHEDULES

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Project Number: 621-24-103

Building Number: 35

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Drawing Number: TE002

VA FORM 08 - 6231

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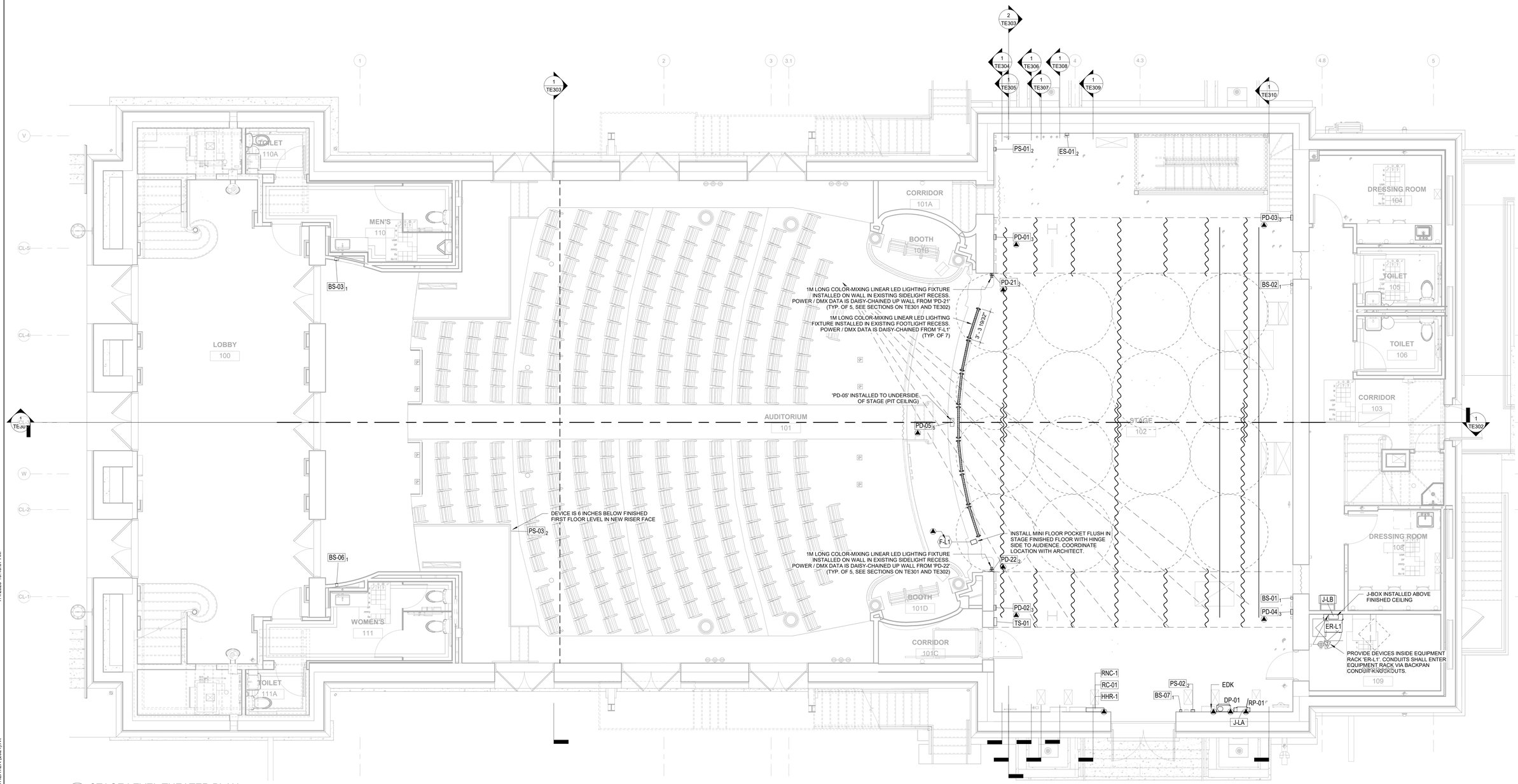

1 TE101 STAGE LEVEL THEATER PLAN
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS
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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE101

VA FORM 08 - 6231

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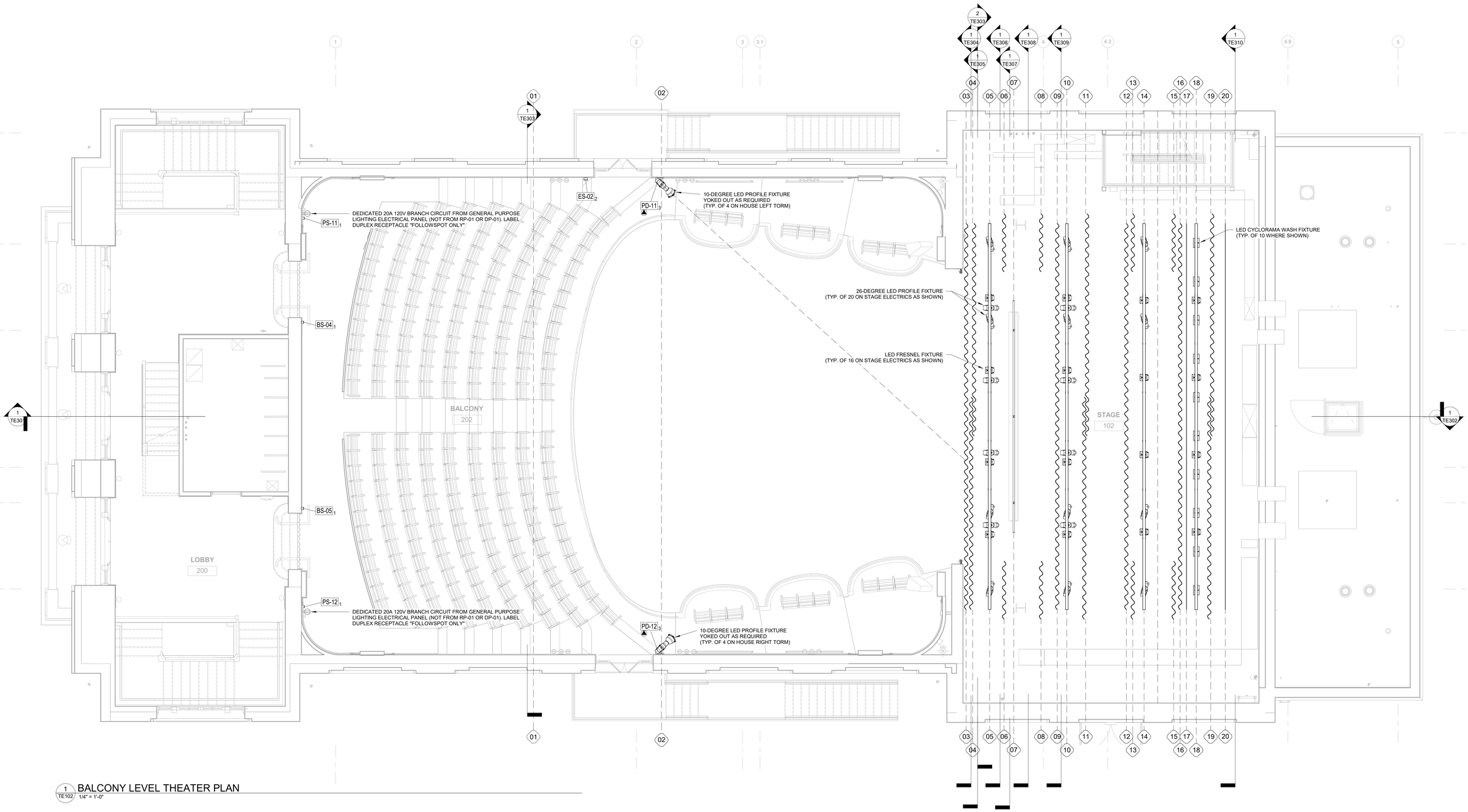

1 TE102 BALCONY LEVEL THEATER PLAN
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE102

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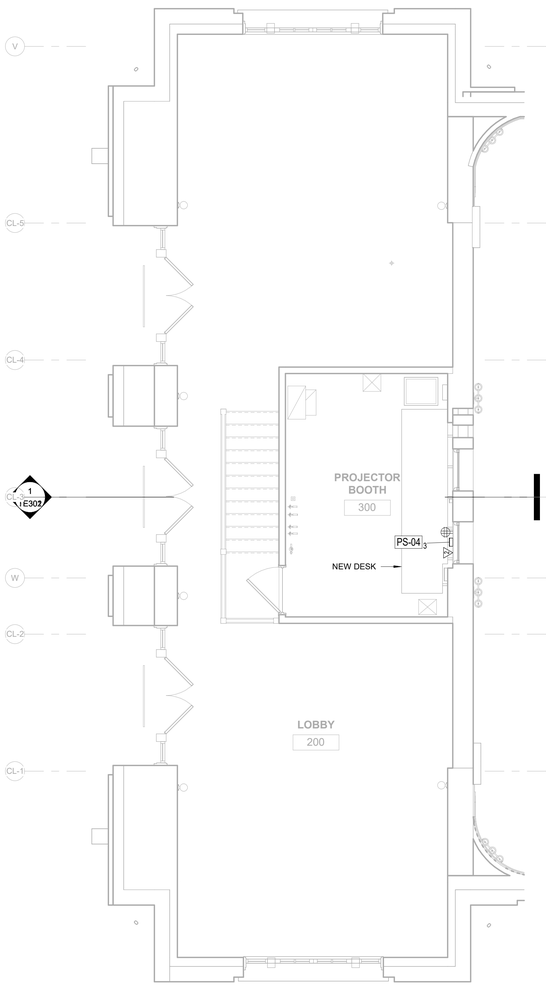
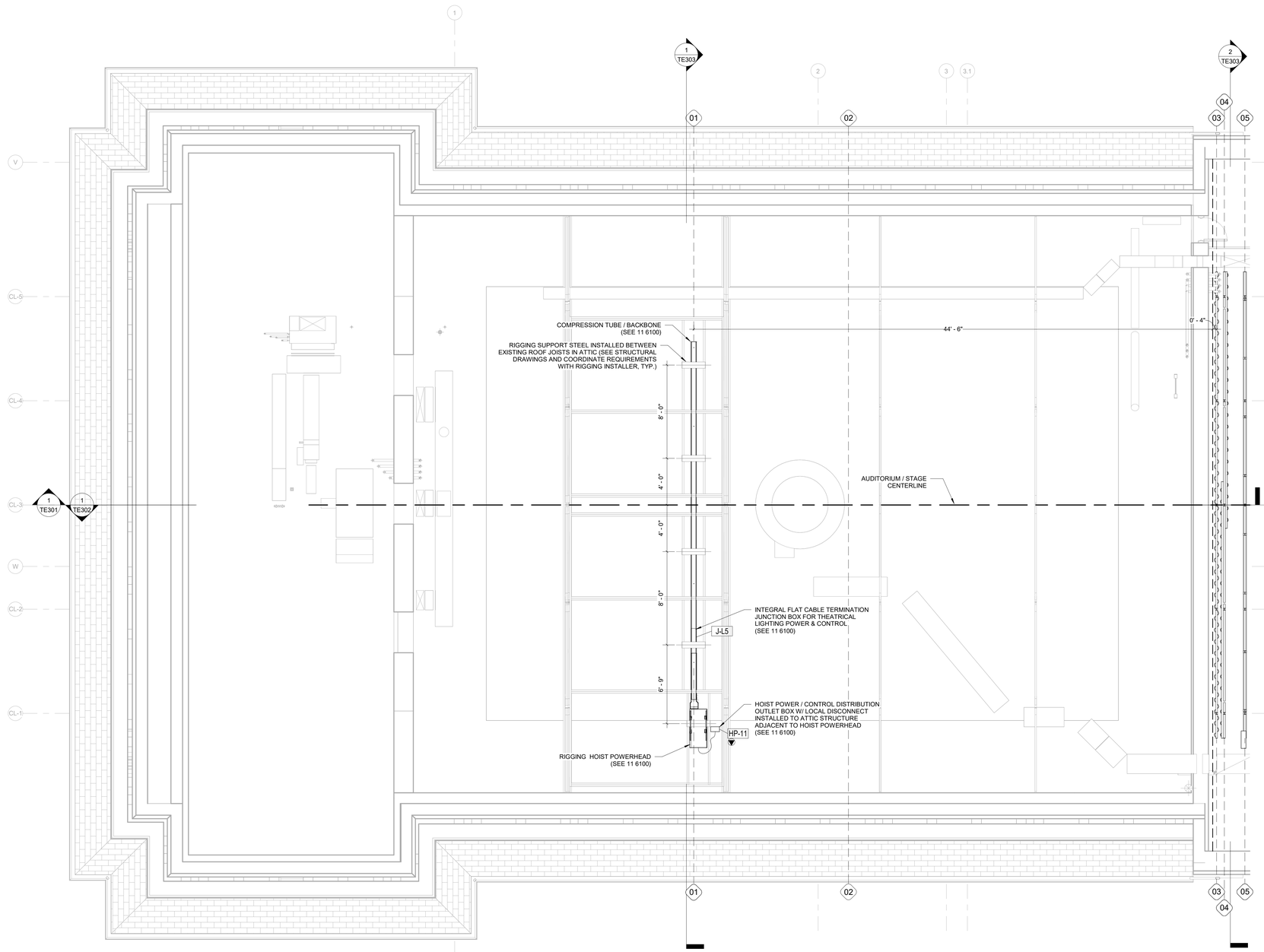


2 TE103 ENLARGED THEATER PLAN - PROJECTOR BOOTH
1/4" = 1'-0"



1 TE103 ATTIC LEVEL THEATER PLAN
1/4" = 1'-0"

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE103

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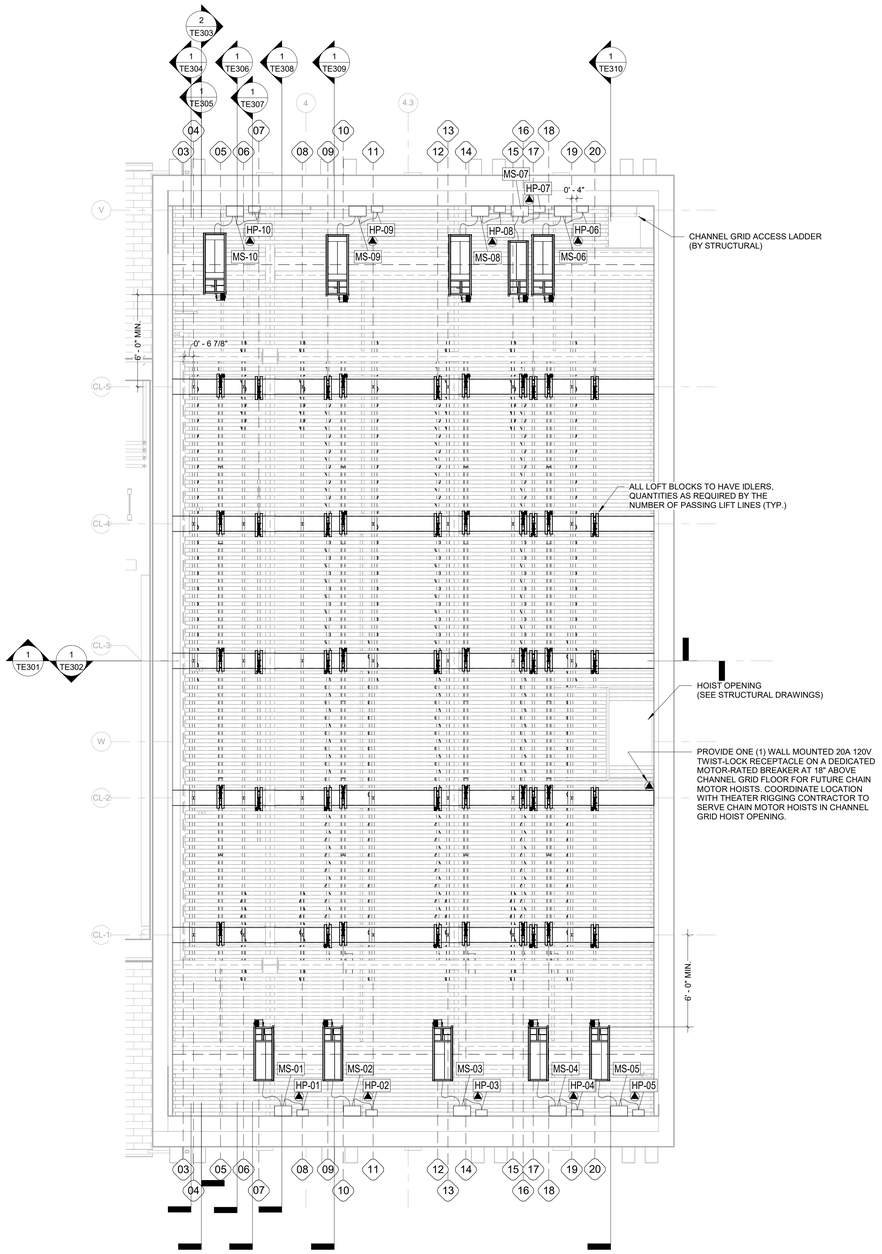

1 TE104 CHANNEL GRID THEATER PLAN
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Building Number: 35

Drawing Number: TE104

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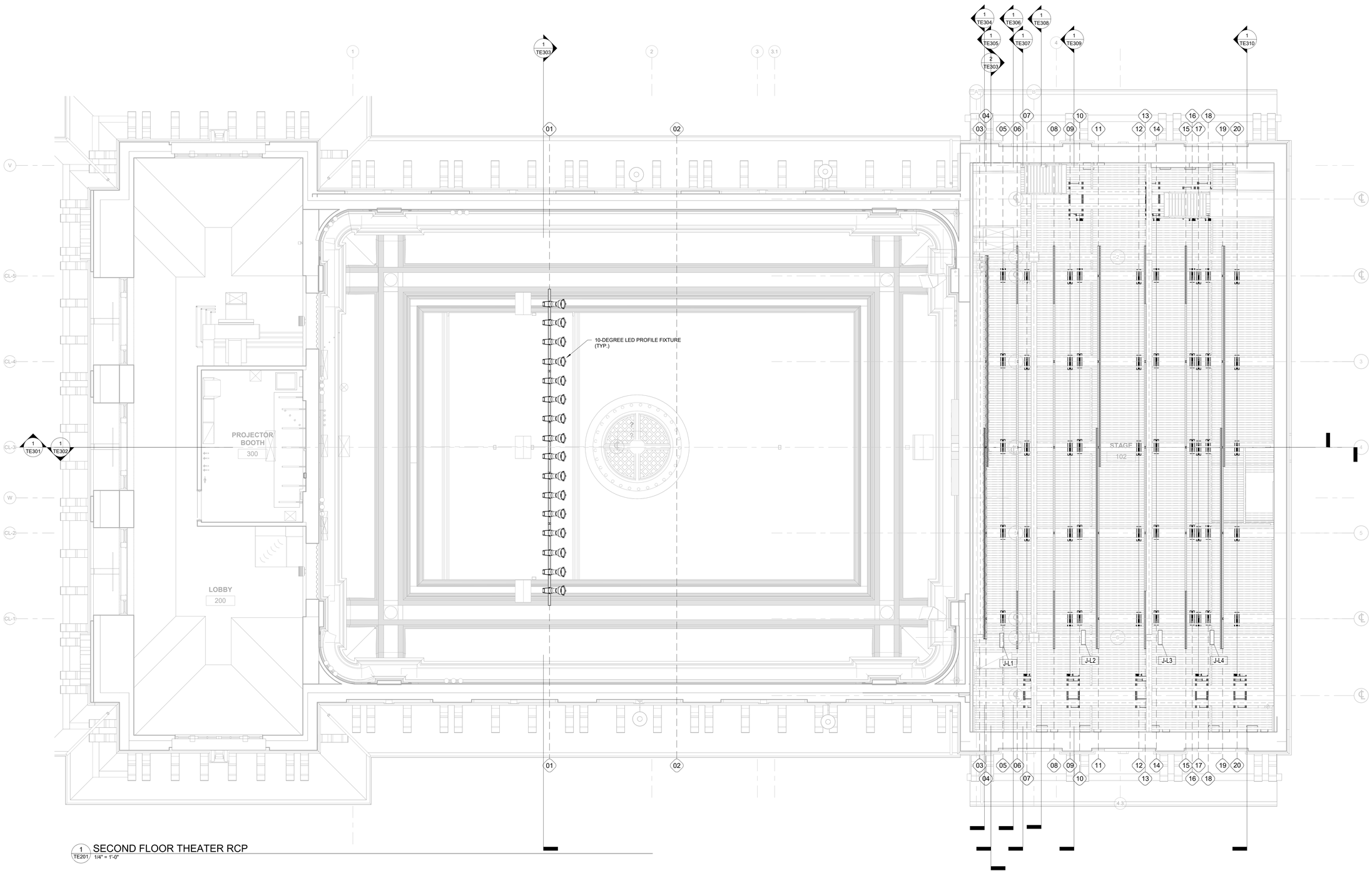

1 TE201 SECOND FLOOR THEATER RCP
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE201

VA FORM 08 - 6231

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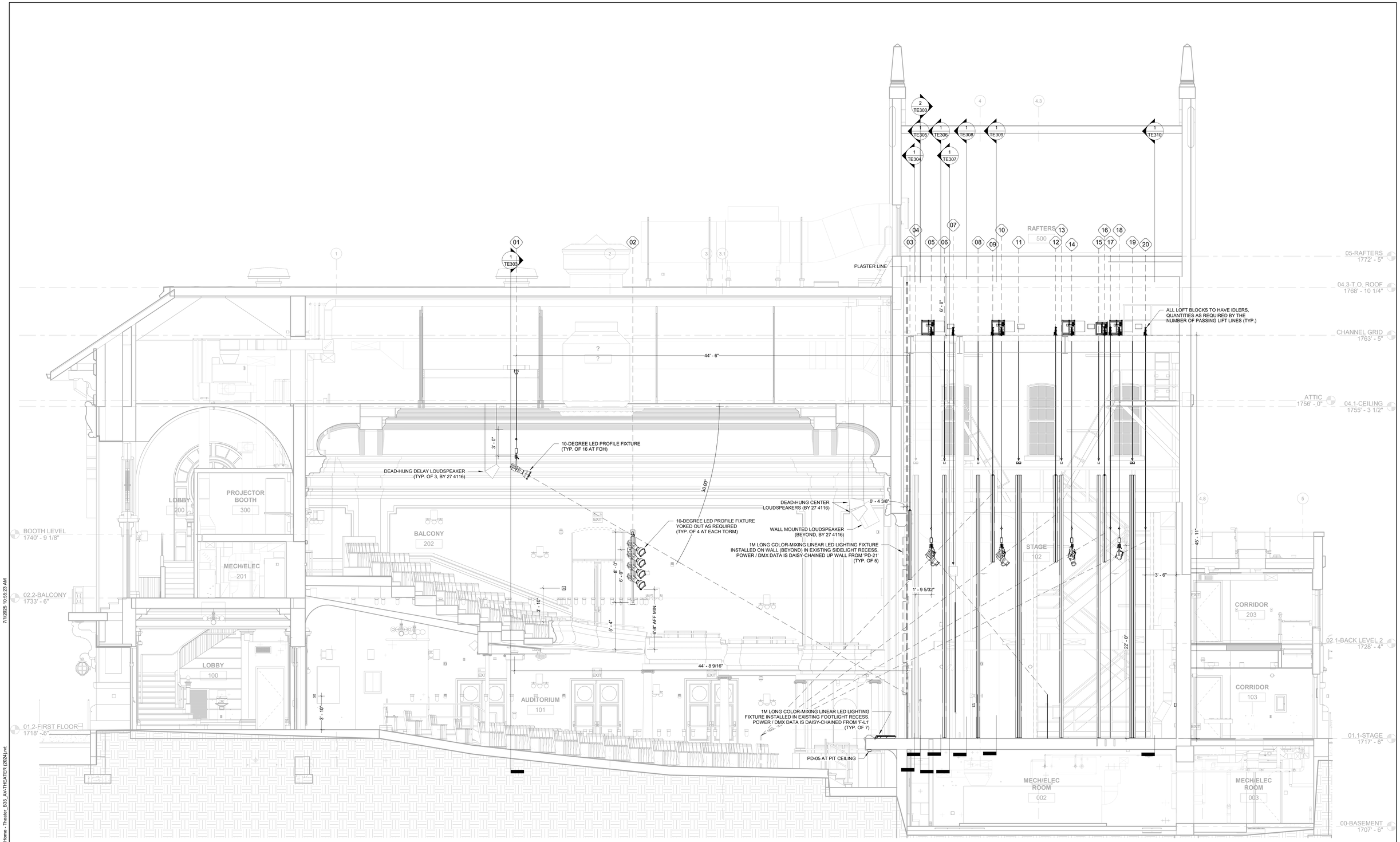

1 TE301 AUDITORIUM SECTION - THEATER (WEST)
1/4" = 1'-0"

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Drawing Title: SECTIONS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE301

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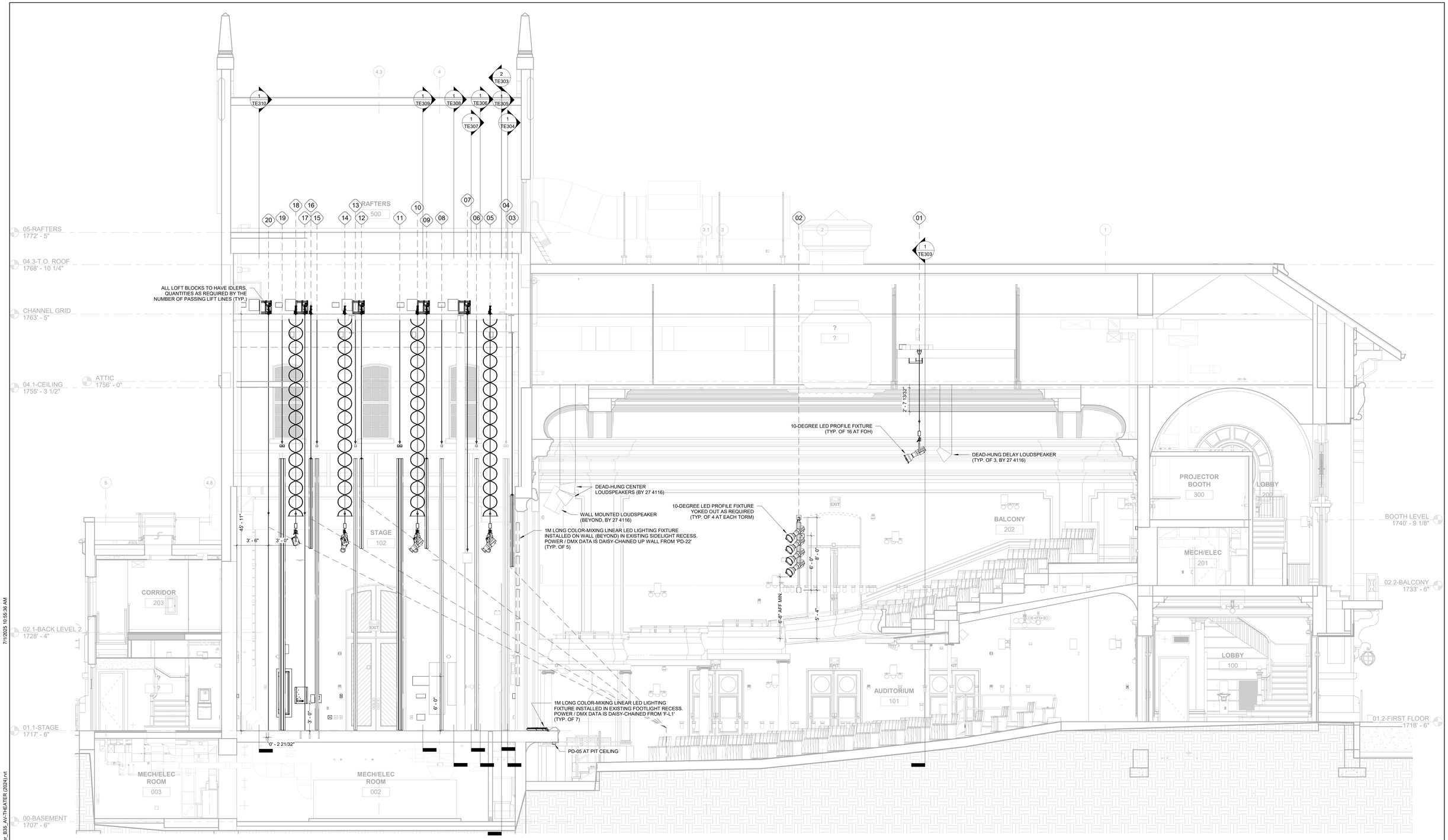

1 TE302 AUDITORIUM SECTION - THEATER (EAST)
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Phase: BID DOCUMENTS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE302

VA FORM 08 - 6231

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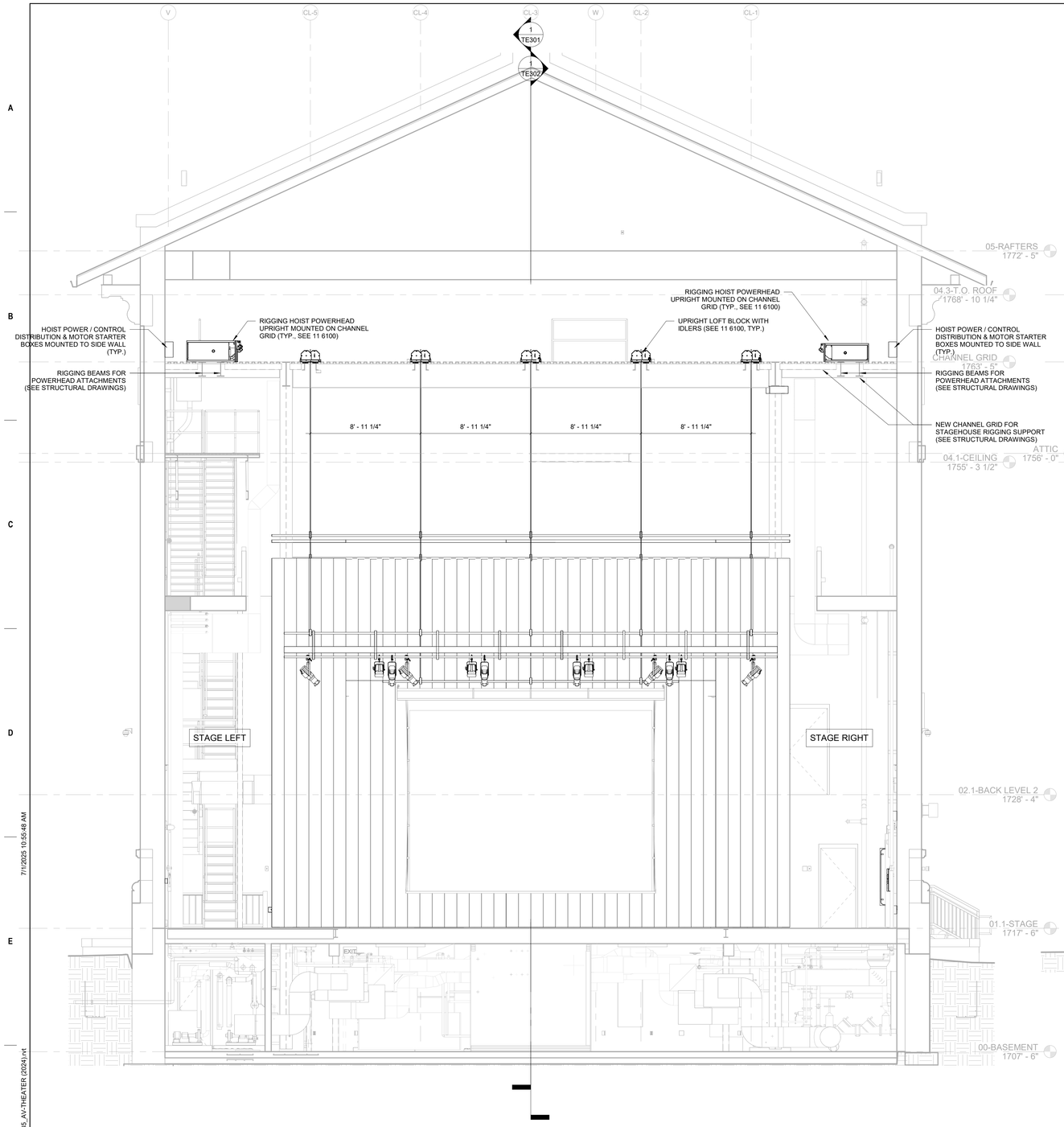
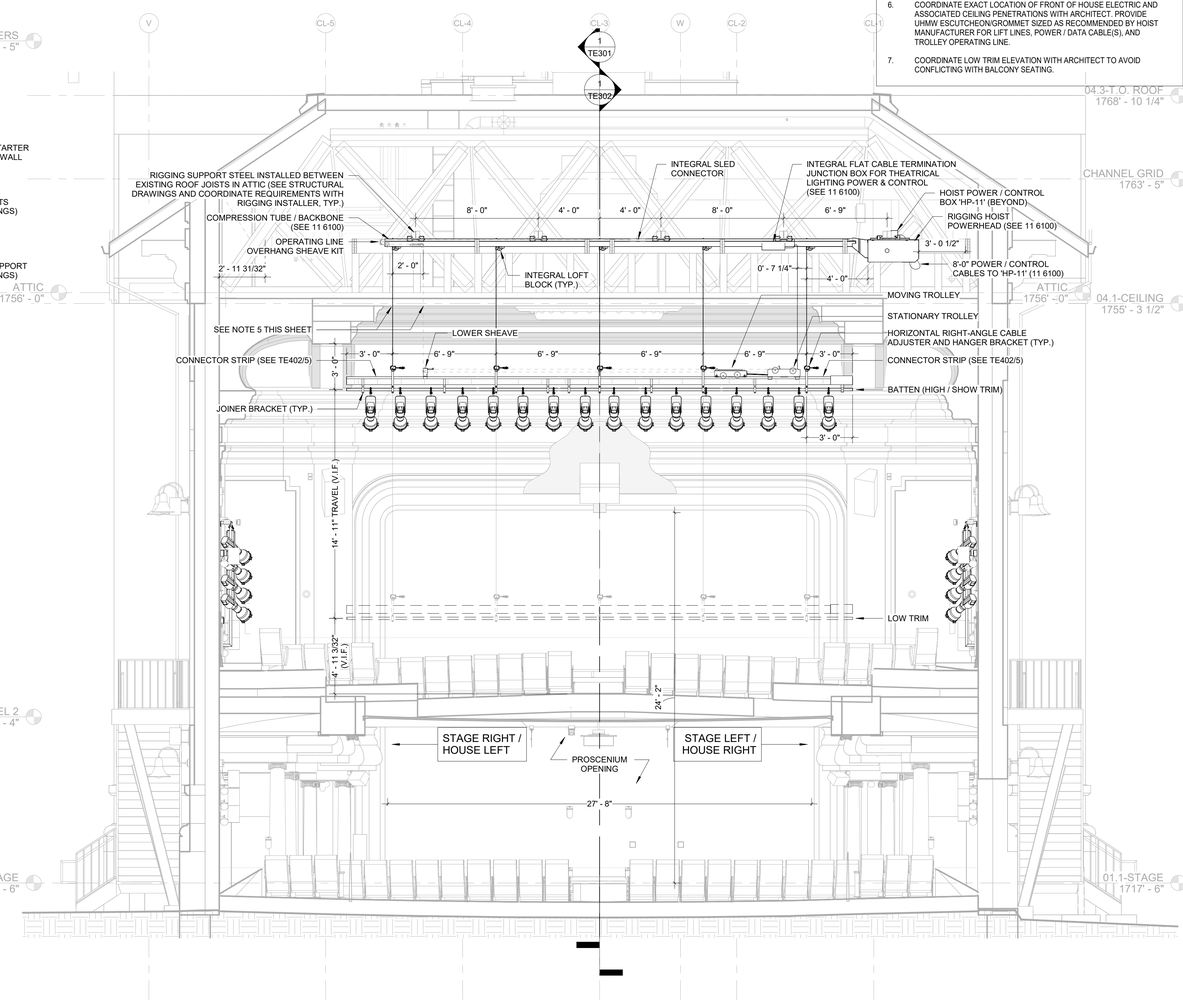
NOTES - FRONT OF HOUSE ELECTRIC

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
3. MOTORIZED HOIST / POWERHEAD SYSTEM WITH INTEGRATED CABLE MANAGEMENT AND WORKING LOAD LIMIT (WLL) OF 1000 LBS.
4. SEE HOIST MANUFACTURER DOCUMENTATION FOR SPECIFICATIONS, WLL, AND INSTALLATION REQUIREMENTS.
5. ADJUST LIFT LINE SPACING AND JOINER BRACKET SPACING BY NO MORE THAN 3 INCHES AS REQUIRED TO AVOID OBSTRUCTING LIGHTING RECEPTACLES IN CONNECTOR STRIP.
6. COORDINATE EXACT LOCATION OF FRONT OF HOUSE ELECTRIC AND ASSOCIATED CEILING PENETRATIONS WITH ARCHITECT. PROVIDE UHMW ESCUTCHEON/GROMMET SIZED AS RECOMMENDED BY HOIST MANUFACTURER FOR LIFT LINES, POWER / DATA CABLE(S), AND TROLLEY OPERATING LINE.
7. COORDINATE LOW TRIM ELEVATION WITH ARCHITECT TO AVOID CONFLICTING WITH BALCONY SEATING.



2 TE303 SECTION - STAGEHOUSE LOOKING UPSTAGE
1/4" = 1'-0"



1 TE303 SECTION - FRONT OF HOUSE ELECTRIC
1/4" = 1'-0"

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Drawing Title: SECTIONS
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Phase: BID DOCUMENTS
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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE303

VA FORM 08 - 6231

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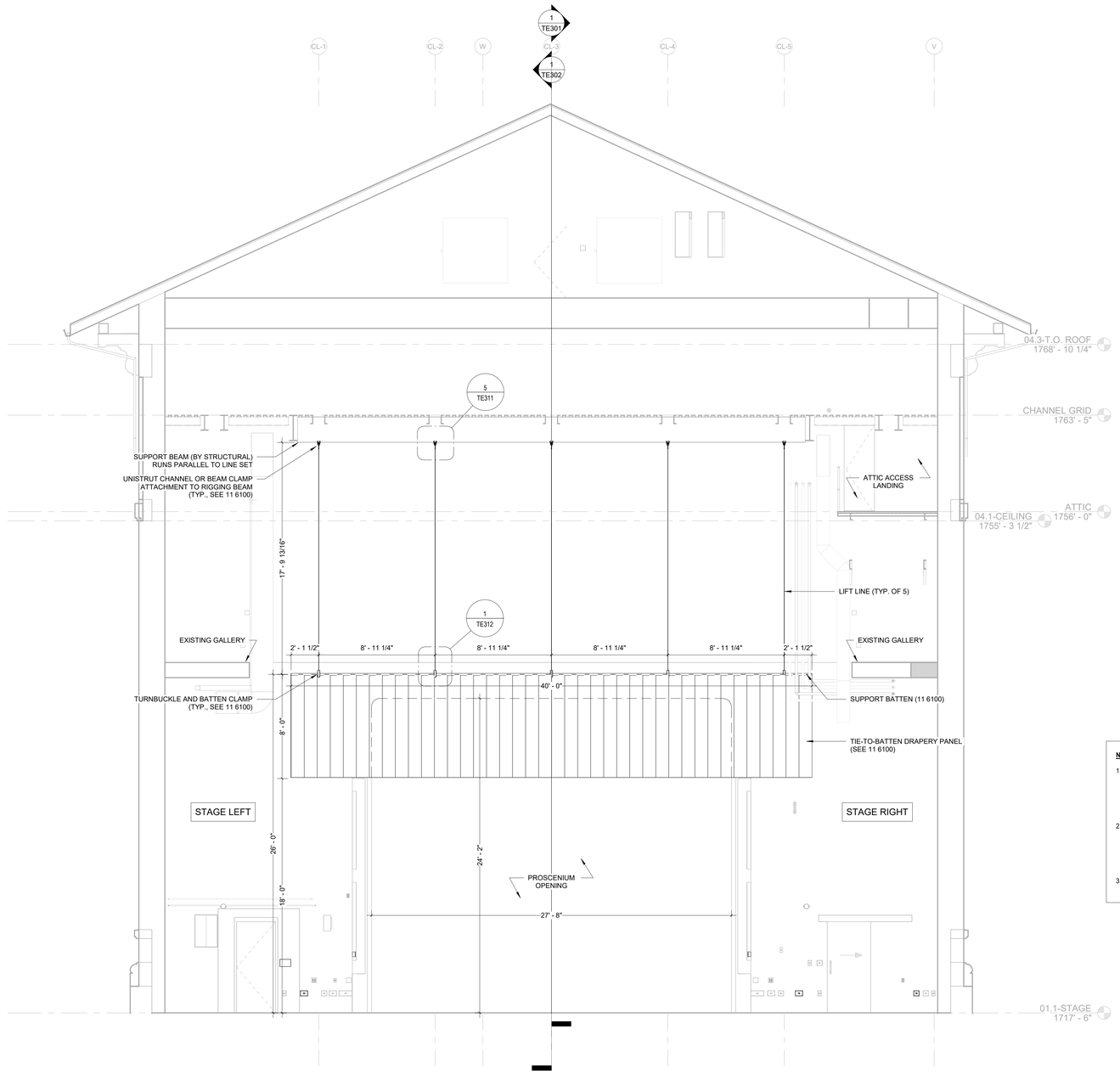

NOTES - MAIN VALANCE

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
3. SEE 11 6100 THEATER AND STAGE EQUIPMENT FOR DRAPERY SPECIFICATIONS.

1 / TE304 RIGGING ELEVATION - DEAD-HUNG MAIN VALANCE
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Drawing Title: RIGGING ELEVATIONS
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE304

VA FORM 08 - 6231

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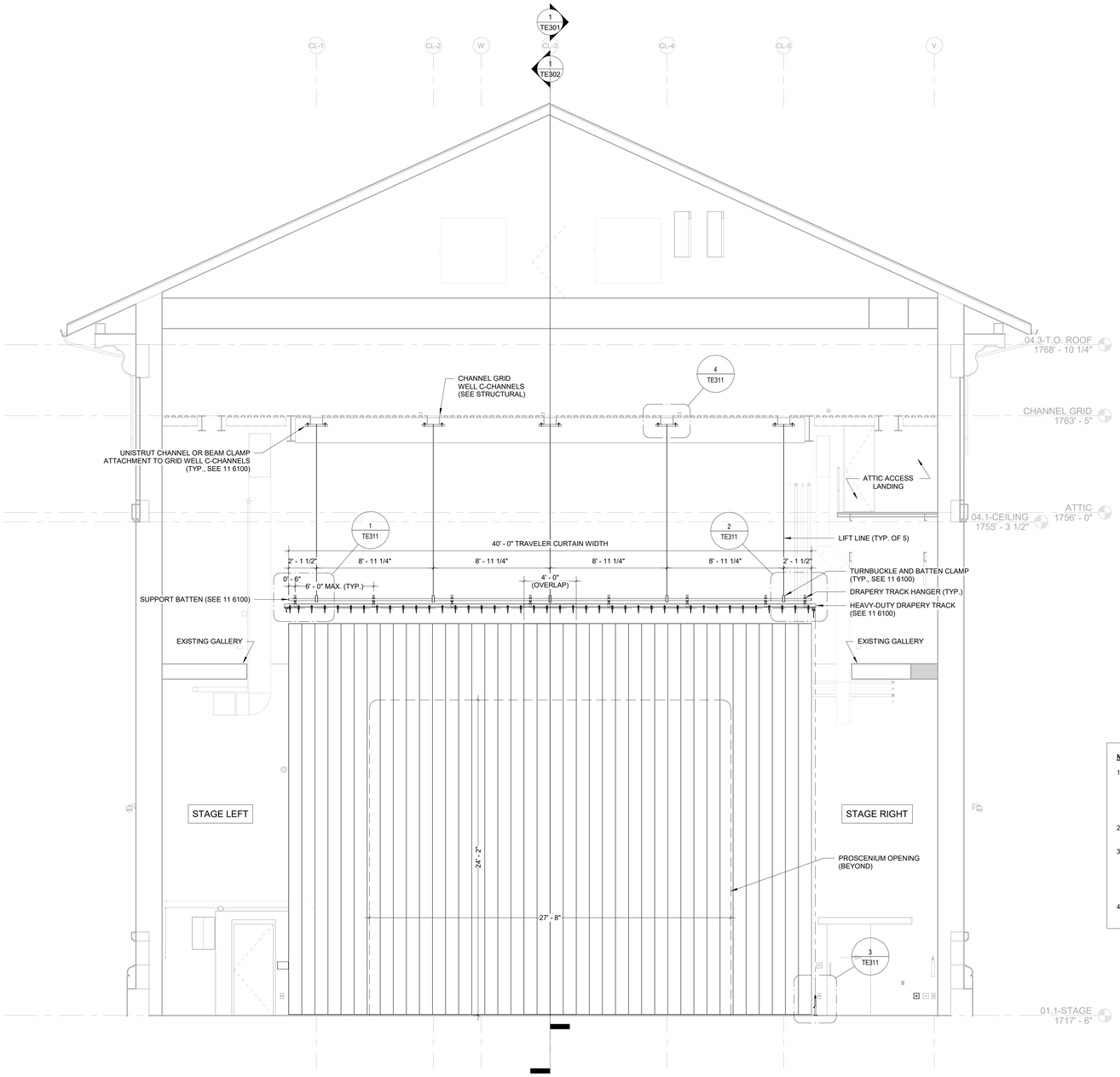

NOTES - TYP. TRAVELER CURTAIN

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. MAIN TRAVELER CURTAIN SHOWN. MID-STAGE AND UPSTAGE TRAVELERS ARE SIMILAR EXCEPT THEY ARE 42'-0" WIDE.
3. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
4. SEE 11 6100 THEATER AND STAGE EQUIPMENT FOR DRAPERY SPECIFICATIONS.

1 / TE305 RIGGING ELEVATION - TYP. TRAVELER CURTAIN
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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JAMES H. QUILLEN VA MEDICAL CENTER
VA U.S. Department of Veterans Affairs

Drawing Title: RIGGING ELEVATIONS
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE305

VA FORM 08 - 6231

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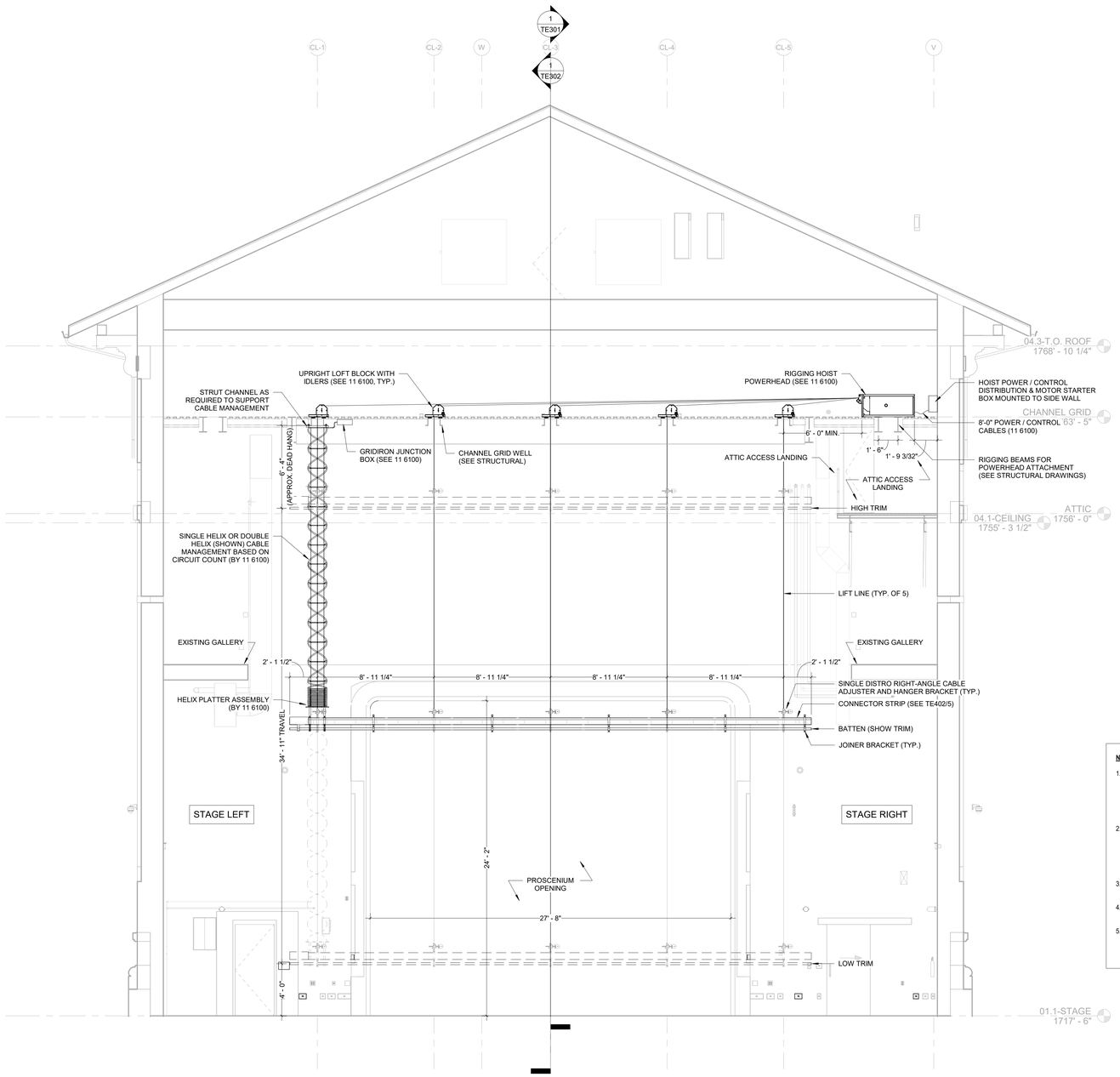

NOTES - TYP. STAGE ELECTRIC

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
3. MOTORIZED HOIST / POWERHEAD SYSTEM WITH HELIX CABLE MANAGEMENT AND WORKING LOAD LIMIT (WLL) OF 1500 LBS.
4. SEE HOIST SYSTEM MANUFACTURER DOCUMENTATION FOR SPECIFICATIONS, WLL, AND INSTALLATION REQUIREMENTS.
5. COORDINATE CONNECTOR STRIP RECEPTACLE SPACING AND LIFT LINE, CABLE MANAGEMENT, AND JOINER BRACKET SPACING AS REQUIRED TO AVOID OBSTRUCTING LIGHTING RECEPTACLES IN CONNECTOR STRIP WITH RIGGING BRACKETS.

1 / TE306 RIGGING ELEVATION - TYP. STAGE ELECTRIC
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Approved: U.S. Department of Veterans Affairs
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FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE306

VA FORM 08 - 6231

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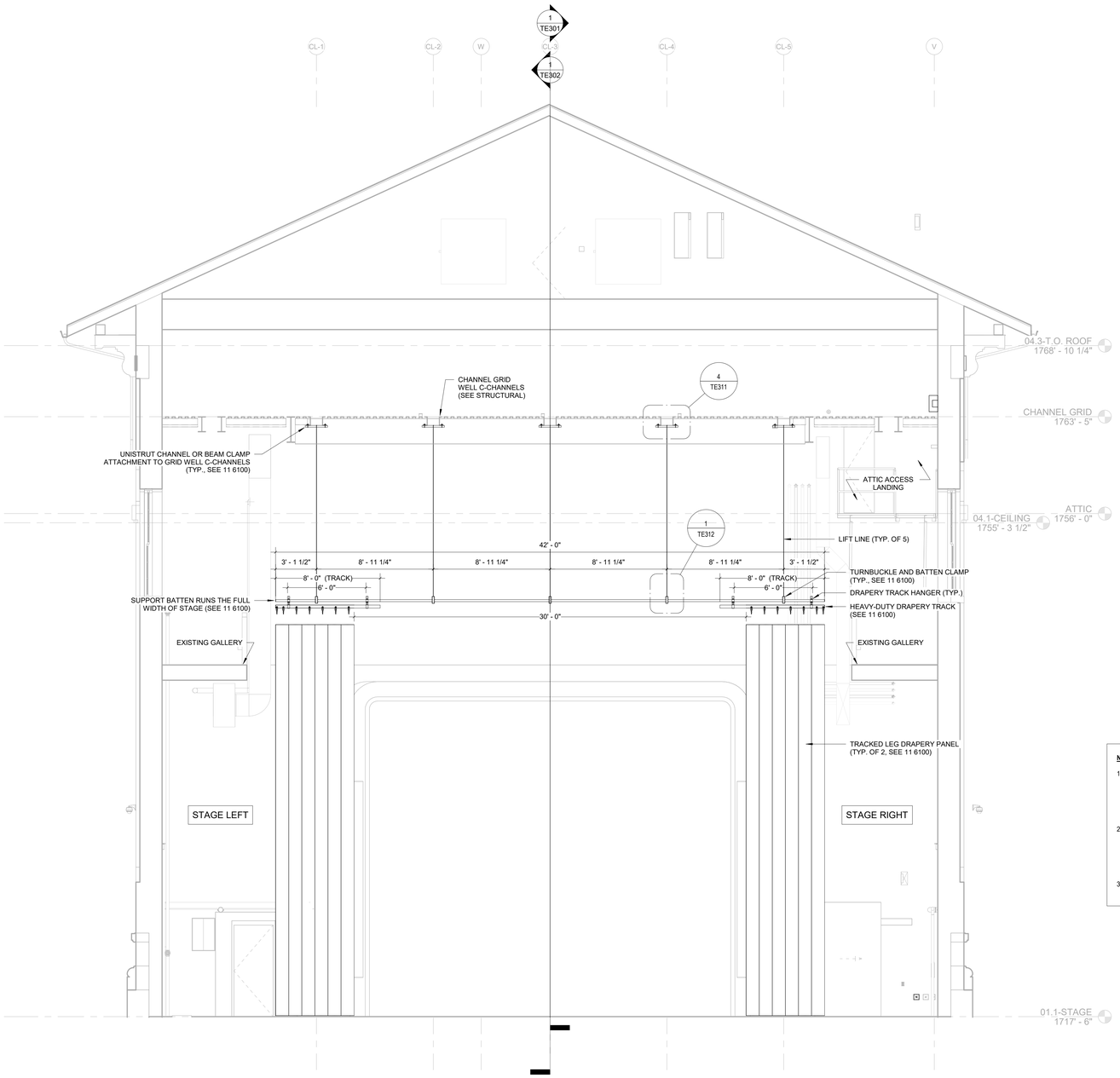

NOTES - TYP. LEG

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
3. SEE 11 6100 THEATER AND STAGE EQUIPMENT FOR DRAPERY SPECIFICATIONS.

1 TE307 RIGGING ELEVATION - TYP. LEG
1/4" = 1'-0"

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Drawing Title: RIGGING ELEVATIONS

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE307

VA FORM 08 - 6231

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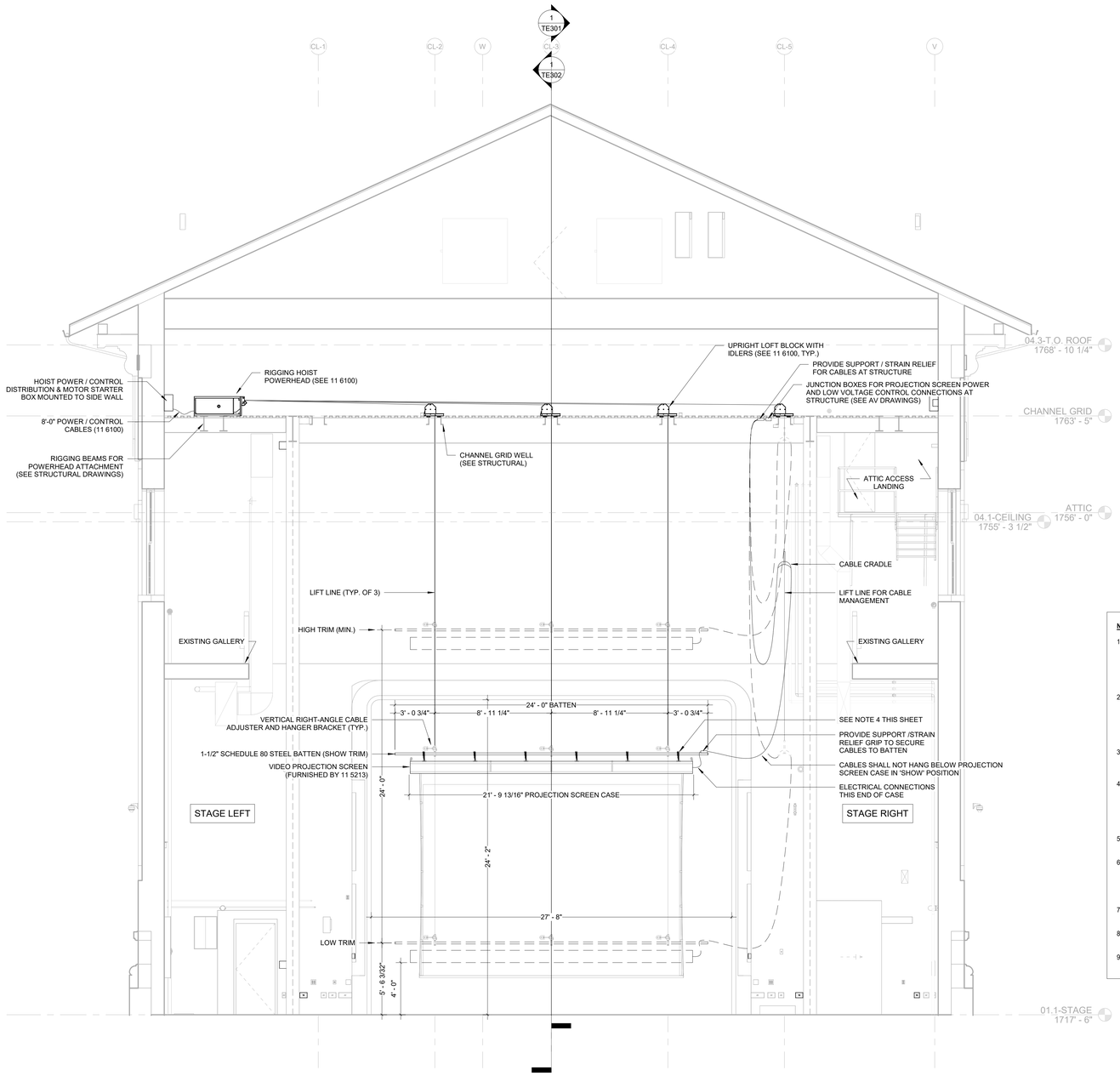

NOTES - FLOWN PROJECTION SCREEN

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO SHOP DRAWING PREPARATION, ORDERING OF EQUIPMENT, AND INSTALLATION. SHOP DRAWINGS PREPARED BY THE CONTRACTOR ARE EXPECTED TO REFLECT THE ACTUAL INSTALLATION BEING PROPOSED, TAKING INTO ACCOUNT EXISTING CONDITIONS VERIFIED BY THE CONTRACTOR ON SITE.
3. PROJECTION SCREEN SHALL BE BLACK FINISH COLOR AND FURNISHED BY 11 5213 FOR INSTALLATION BY 11 6100 (RIGGING CONTRACTOR) IN COORDINATION WITH 27 4116 (AUDIO-VISUAL CONTRACTOR).
4. SCREEN MOUNTING BRACKET: RIGGING INSTALLER TO EQUIP MOUNTING POINTS ON PROJECTION SCREEN CASE WITH 3/8" RATED SHOULDERED EYE BOLTS . USE 1/4" 30 PROOF COIL CHAIN TO MOUNT TO SUPPORTING SCHEDULE 80 PIPE BATTEN WITH TWO (2) WRAPS AROUND BATTEN AND RATED SHACKLES FOR TERMINATION. TYPICAL OF ALL AVAILABLE MOUNTING POINTS ON PROJECTION SCREEN CASE.
5. MOTORIZED HOIST / POWERHEAD SYSTEM WITH TRADITIONAL CABLE MANAGEMENT AND WORKING LOAD LIMIT (WLL) OF 1300 LBS.
6. INSTALL CABLE CRADLE ON A LIFT LINE SO CABLES DO NOT HANG BELOW PROJECTION SCREEN ELEVATION WHILE PROVIDING MAXIMUM HIGH TRIM ELEVATION. THE INTENT IS FOR CABLING TO NOT BE VISIBLE TO AUDIENCE WHILE PERMITTING CASE TO FLY UP OUT OF THE WAY OF THEATER LIGHTING DURING PRODUCTIONS.
7. CONFIGURE LINE SET WITH TWO (2) PRESET ELEVATIONS - "SHOW" ELEVATION AND "STOW" ELEVATION.
8. SEE HOIST SYSTEM MANUFACTURER DOCUMENTATION FOR SPECIFICATIONS, WLL, AND INSTALLATION REQUIREMENTS.
9. COORDINATE INSTALLATION REQUIREMENTS WITH ELECTRICAL AND AUDIO-VISUAL CONTRACTORS.

1 / TE308 RIGGING ELEVATION - FLOWN PROJECTION SCREEN
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Drawing Title: RIGGING ELEVATIONS
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Phase: BID DOCUMENTS
FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE308

VA FORM 08 - 6231

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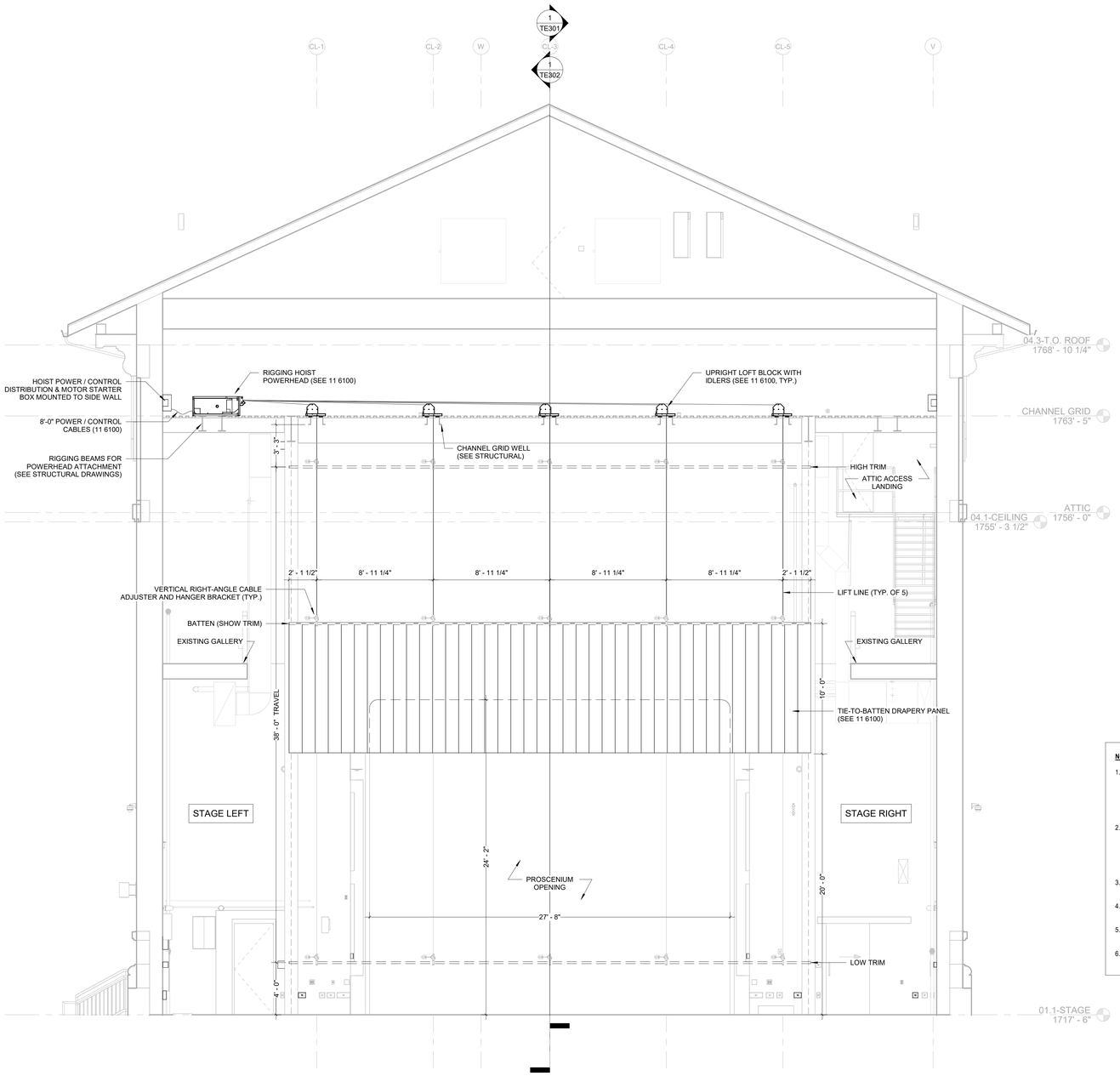

NOTES - TYP. FLOWN BORDER / UTILITY BATTEN

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
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3. MOTORIZED HOIST / POWERHEAD SYSTEM WITH A WORKING LOAD LIMIT (WLL) OF 1300 LBS.
4. SEE HOIST SYSTEM MANUFACTURER DOCUMENTATION FOR SPECIFICATIONS, WLL, AND INSTALLATION REQUIREMENTS.
5. SEE 11 6100 THEATER AND STAGE EQUIPMENT FOR DRAPERY SPECIFICATIONS.
6. CONTRACTOR TO COORDINATE ELEVATION PRESETS WITH STAGE ELECTRICS TO MEET END USER REQUIREMENTS.

1 / TE309 RIGGING ELEVATION - TYP. FLOWN BORDER / UTILITY BATTEN
1/4" = 1'-0"

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Drawing Title: RIGGING ELEVATIONS
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Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE309

VA FORM 08 - 6231

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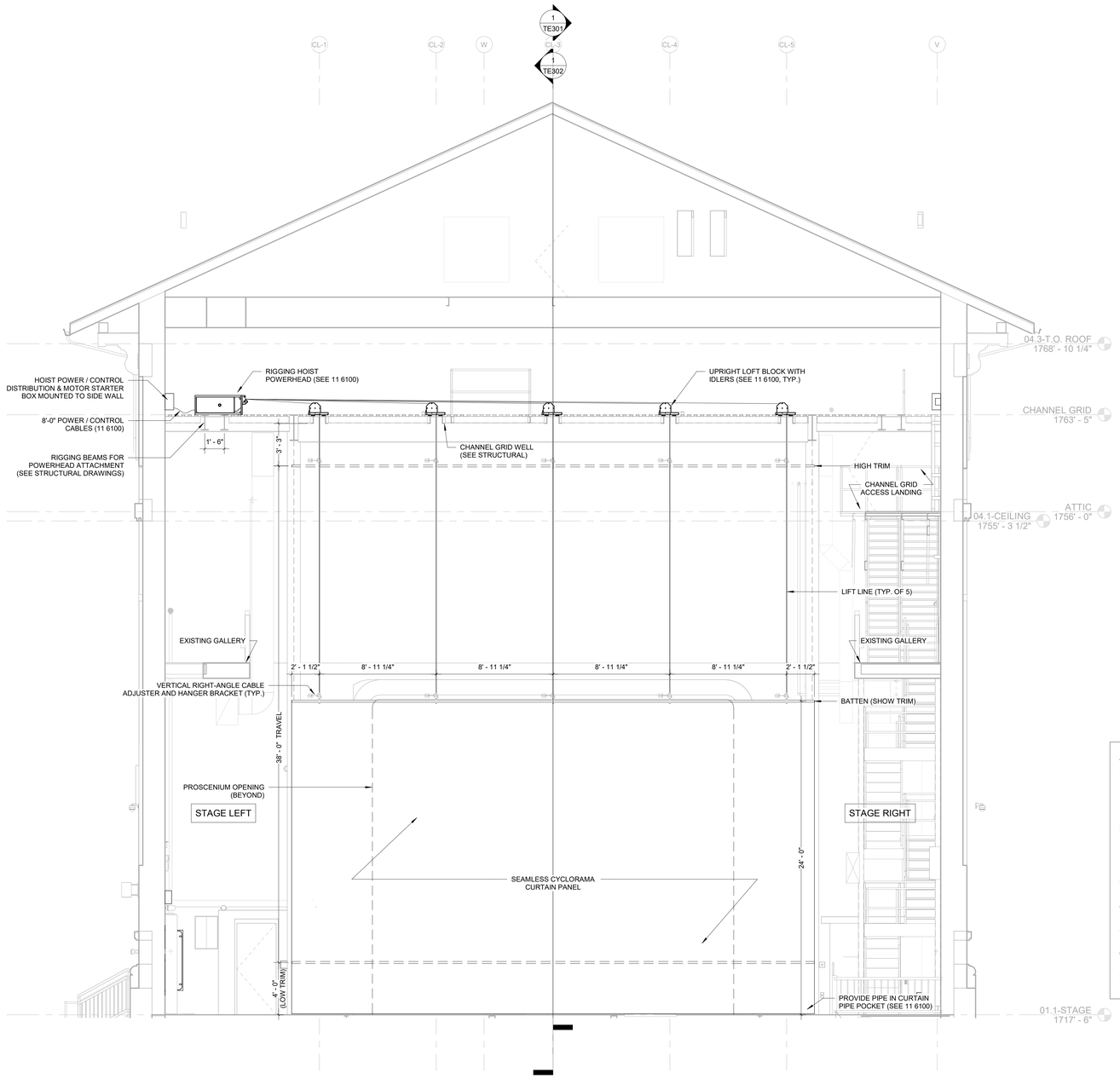

1 TE310 RIGGING ELEVATION - FLOWN CYCLORAMA CURTAIN (FLOWN SCRIM SIMILAR)
1/4" = 1'-0"

NOTES - FLOWN CYCLORAMA CURTAIN

1. GENERAL CONTRACTOR OR CONSTRUCTION MANAGER NOTE: ALL STRUCTURE, DUCTWORK, SPRINKLER PIPING, PLUMBING, ROOF DRAINS, FIRE SUPRESSION, ELECTRICAL DEVICES, AND ELECTRICAL CONDUITS MUST BE COORDINATED WITH SECTION 11 6100 RIGGING CONTRACTOR. VERIFY ALL REQUIRED CONDITIONS AND CLEARANCES PRIOR TO INSTALLATION.
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3. MOTORIZED HOIST / POWERHEAD SYSTEM WITH A WORKING LOAD LIMIT (WLL) OF 1300 LBS.
4. SEE HOIST SYSTEM MANUFACTURER DOCUMENTATION FOR SPECIFICATIONS, WLL, AND INSTALLATION REQUIREMENTS.
5. TENSION / HANG CYCLORAMA CURTAIN TO BE FLAT AND WITHOUT WRINKLES. PROVIDE PIPE IN BOTTOM PIPE POCKET FOR TENSION.
6. FLOWN SCRIM CURTAIN IS THE SAME, BUT WITH A SEAMLESS BLACK SCRIM CURTAIN PANEL.
7. SEE 11 6100 THEATER AND STAGE EQUIPMENT FOR DRAPERY SPECIFICATIONS.

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Drawing Title: RIGGING ELEVATIONS

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: TE310

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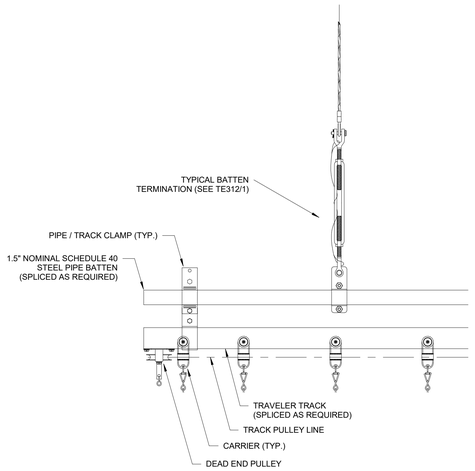
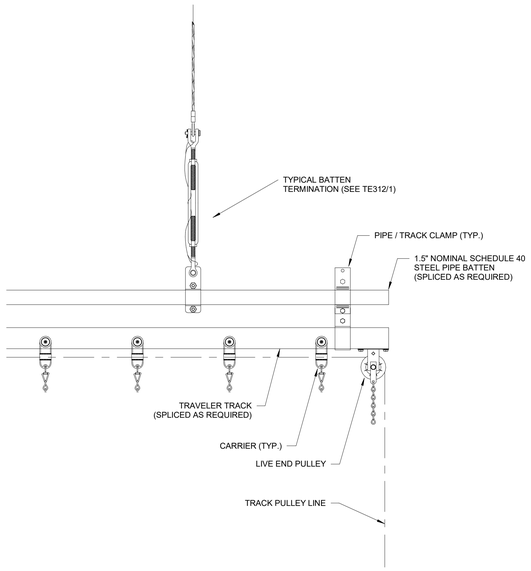
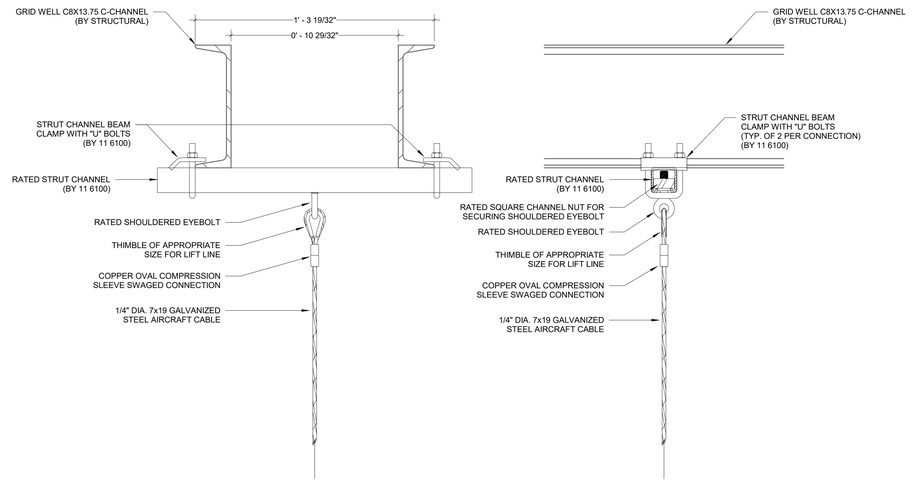


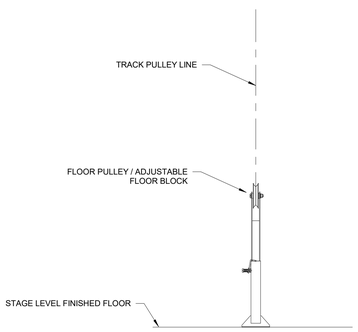
1 TE311 BI-PARTING CURTAIN TRACK - DEAD END
1 1/2" = 1'-0"



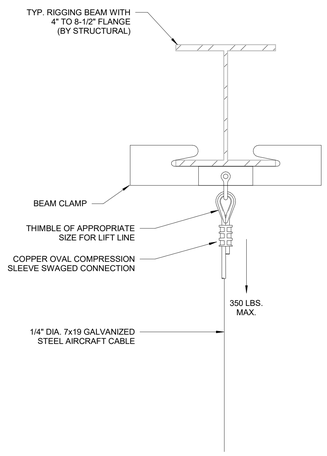
2 TE311 BI-PARTING CURTAIN TRACK - LIVE END (TOP)
1 1/2" = 1'-0"



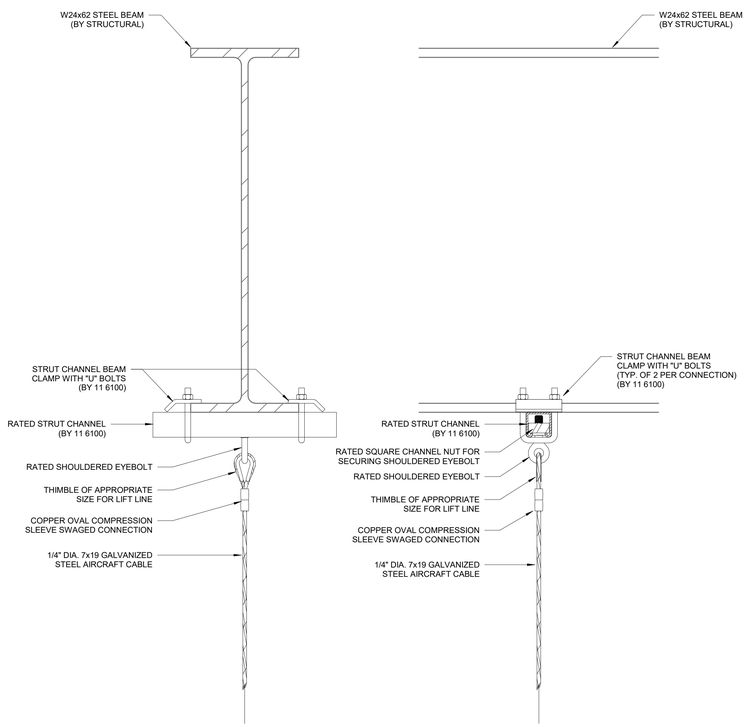
4 TE311 TYPICAL STRUT ATTACHMENT TO GRID WELL C-CHANNELS (DEAD-HUNG BATTENS)
3" = 1'-0"



3 TE311 BI-PARTING CURTAIN TRACK - LIVE END (BOTTOM)
1 1/2" = 1'-0"



6 TE311 TYPICAL BEAM CLAMP DETAIL
3" = 1'-0"



5 TE311 TYPICAL STRUT ATTACHMENT TO W24x62 (DEAD-HUNG BATTENS)
3" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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VA U.S. Department of Veterans Affairs

Drawing Title: RIGGING DETAILS
Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS
FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE311

VA FORM 08 - 6231

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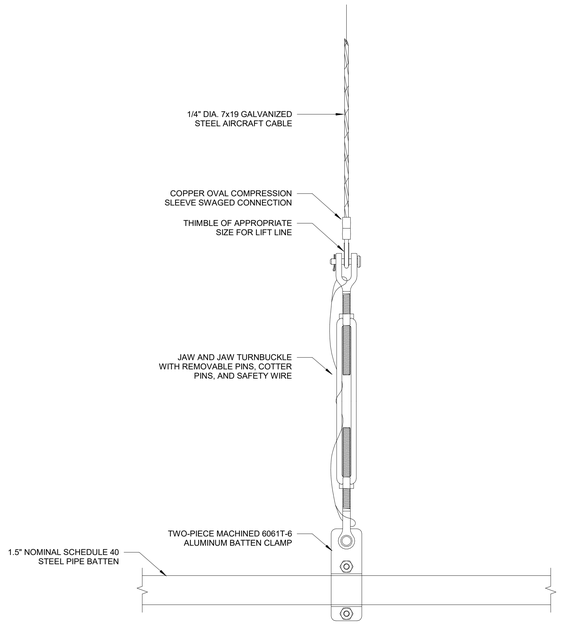
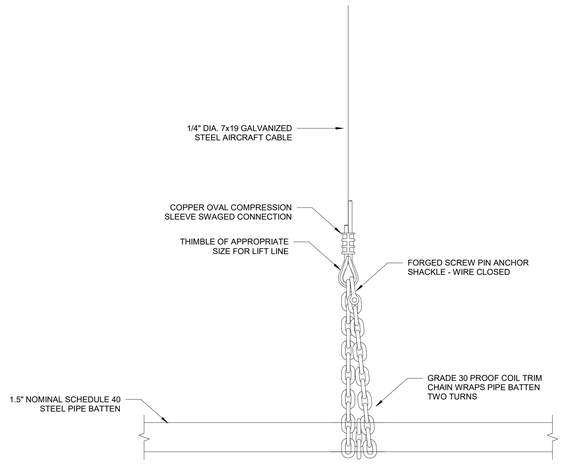


1 / TE312 TYPICAL BATTEN / PIPE TERMINATION - TURNBUCKLE AND CLAMP
3" = 1'-0"



2 / TE312 TYPICAL BATTEN / PIPE TERMINATION - CHAIN WRAP
3" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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VA U.S. Department of Veterans Affairs

Drawing Title: RIGGING DETAILS

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number:

Drawing Number: TE312

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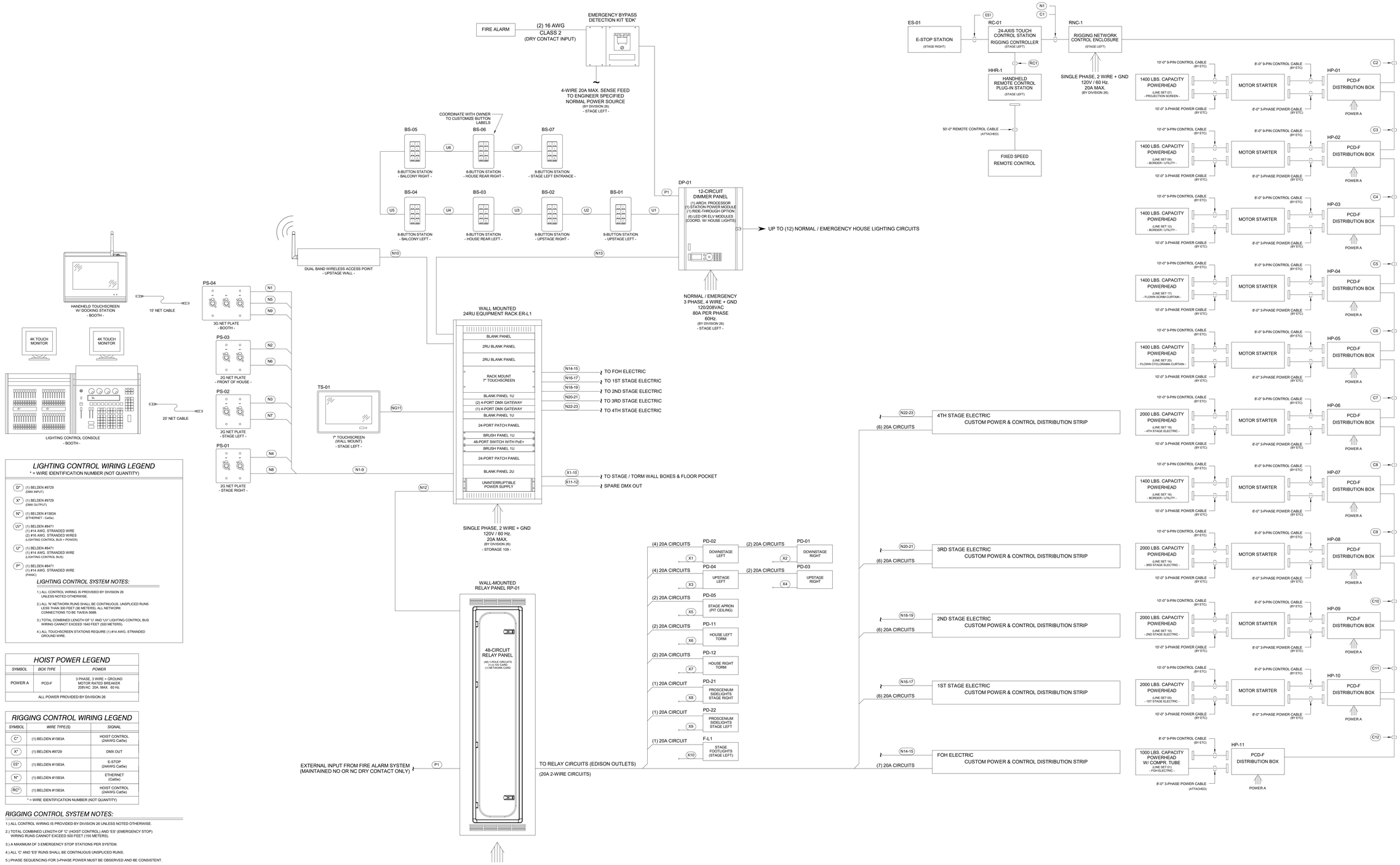

LIGHTING CONTROL WIRING LEGEND

* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)

- D* — (1) BELDEN #9729 (DMX INPUT)
- X* — (1) BELDEN #9729 (DMX OUTPUT)
- N* — (1) BELDEN #1583A (ETHERNET - Cat5e)
- UV* — (1) BELDEN #8471 (1) #14 AWG. STRANDED WIRE (2) #16 AWG. STRANDED WIRES (LIGHTING CONTROL BUS + POWER)
- U* — (1) BELDEN #8471 (1) #14 AWG. STRANDED WIRE (LIGHTING CONTROL BUS)
- P* — (1) BELDEN #8471 (1) #14 AWG. STRANDED WIRE (PANIC)

LIGHTING CONTROL SYSTEM NOTES:

1.) ALL CONTROL WIRING IS PROVIDED BY DIVISION 26 UNLESS NOTED OTHERWISE.

2.) ALL 'N' NETWORK RUNS SHALL BE CONTINUOUS, UNSPLICED RUNS LESS THAN 300 FEET (90 METERS). ALL NETWORK CONNECTIONS TO BE TIA/EIA 568B.

3.) TOTAL COMBINED LENGTH OF 'U' AND 'UV' LIGHTING CONTROL BUS WIRING CANNOT EXCEED 1640 FEET (500 METERS).

4.) ALL TOUCHSCREEN STATIONS REQUIRE (1) #14 AWG. STRANDED GROUND WIRE.

HOIST POWER LEGEND

SYMBOL	BOX TYPE	POWER
POWER A	PCD-F	3 PHASE, 3 WIRE + GROUND MOTOR RATED BREAKER 208VAC 20A. MAX. 60 Hz.
ALL POWER PROVIDED BY DIVISION 26		

RIGGING CONTROL WIRING LEGEND

SYMBOL	WIRE TYPE(S)	SIGNAL
C*	(1) BELDEN #1583A	HOIST CONTROL (24AWG Cat5e)
X*	(1) BELDEN #9729	DMX OUT
ES*	(1) BELDEN #1583A	E-STOP (24AWG Cat5e)
N*	(1) BELDEN #1583A	ETHERNET (Cat5e)
RC*	(1) BELDEN #1583A	HOIST CONTROL (24AWG Cat5e)

* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)

RIGGING CONTROL SYSTEM NOTES:

1.) ALL CONTROL WIRING IS PROVIDED BY DIVISION 26 UNLESS NOTED OTHERWISE.

2.) TOTAL COMBINED LENGTH OF 'C' (HOIST CONTROL) AND 'ES' (EMERGENCY STOP) WIRING RUNS CANNOT EXCEED 500 FEET (150 METERS).

3.) A MAXIMUM OF 3 EMERGENCY STOP STATIONS PER SYSTEM.

4.) ALL 'C' AND 'ES' RUNS SHALL BE CONTINUOUS UNSPLICED RUNS.

5.) PHASE SEQUENCING FOR 3-PHASE POWER MUST BE OBSERVED AND BE CONSISTENT.

6.) HOIST CONTROL AND EMERGENCY STOP WIRING MUST BE IN GROUNDED METAL CONDUIT UNLESS SHIELDED CABLE (Cat5E STP) IS USED.

7.) ALL ETHERNET RUNS SHALL BE CONTINUOUS UNSPLICED RUNS LESS THAN 300 FEET (90 METERS). ALL ETHERNET CONNECTIONS TO BE TIA/EIA 568B.

8.) "* - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.

1 / TE401 THEATER SYSTEMS CONTROL RISER
N.T.S.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT
HEAPY
PROJECT NO.

ARCHITECT/ENGINEER OF RECORD
FFE Engineering & Architecture
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STAMP

JAMES H. QUILLEN VA MEDICAL CENTER
VA U.S. Department of Veterans Affairs

Drawing Title: THEATER SYSTEMS CONTROL RISER
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE401

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
7/1/2025 10:36:12 AM

Panel Schedule: RP-01

Date: 05/23/2025 — FEED: 120/208V - 3PH-4W+G

Module Type	Module #	CKT #	EDMX VALUE	AREA/ROOM/DESCRIPTION [OUTLET DESIGNATION]	# OF FIXTURES ON RELAY	FIXTURE TYPE	CONTROL TYPE	PANELBOARD
Relay	01	01	01	FOH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	02	02	02	FOH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	03	03	03	FOH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	04	04	04	FOH ELECTRIC	3	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	05	05	05	FOH ELECTRIC	3	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	06	06	06	FOH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	07	07	07	FOH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	08	08	08	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	09	09	09	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	10	10	10	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	11	11	11	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	12	12	12	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	13	13	13	1ST ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	14	14	14	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	15	15	15	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	16	16	16	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	17	17	17	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	18	18	18	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	19	19	19	2ND ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	20	20	20	3RD ELECTRIC	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	21	21	21	3RD ELECTRIC	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	22	22	22	3RD ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	23	23	23	3RD ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	24	24	24	3RD ELECTRIC	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	25	25	25	3RD ELECTRIC	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	26	26	26	4TH ELECTRIC	3	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	27	27	27	4TH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	28	28	28	4TH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	29	29	29	4TH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	30	30	30	4TH ELECTRIC	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	31	31	31	4TH ELECTRIC	3	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	32	32	32	PD-01	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	33	33	33	PD-01	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	34	34	34	PD-02	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	35	35	35	PD-02	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	36	36	36	PD-03	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	37	37	37	PD-03	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	38	38	38	PD-04	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	39	39	39	PD-04	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	40	40	40	PD-05	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	41	41	41	PD-05	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	42	42	42	PD-11 (TORM HL)	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	43	43	43	PD-11 (TORM HL)	1	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	44	44	44	PD-12 (TORM HR)	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	45	45	45	PD-12 (TORM HR)	2	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	46	46	46	PD-21 (PROSCENIUM SIDELIGHT SR)	5	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	47	47	47	PD-22 (PROSCENIUM SIDELIGHT SL)	5	LED	DMX	SEE ELECTRICAL DRAWINGS
Relay	48	48	48	F-L1 (STAGE FOOTLIGHTS)	7	LED	DMX	SEE ELECTRICAL DRAWINGS

1 TE402 PANEL SCHEDULE RP-01
N.T.S.

Panel Schedule: DP-01

DATE: 05/23/2025 — FEED: 120/208V - 3PH-4W+G

LUG #	Module Type	CKT #	EDMX VALUE	sACN VALUE	ZONE	AREA / ROOM/DESCRIPTION	EMG CKT	(QTY)	(FX TYPE)	LOAD TYPE	LOAD PHASE A	LOAD PHASE B	LOAD PHASE C
1	LED/ELV	49	49	--	1	AUDITORIUM HOUSE LIGHTS - CIRCUIT 1	Y	NA	LED BULBS	LED	1200		
2		50	50	--	2	AUDITORIUM HOUSE LIGHTS - CIRCUIT 2	Y	NA	LED BULBS	LED	1200		
3	LED/ELV	51	51	--	3	AUDITORIUM HOUSE LIGHTS - CIRCUIT 3	Y	NA	LED BULBS	LED	1200		
4		52	52	--	4	AUDITORIUM HOUSE LIGHTS - CIRCUIT 4	Y	NA	LED BULBS	LED	1200		
5	LED/ELV	53	53	--	5	AUDITORIUM HOUSE LIGHTS - CIRCUIT 5	Y	NA	LED BULBS	LED		1200	
6		54	54	--	6	AUDITORIUM HOUSE LIGHTS - CIRCUIT 6	Y	NA	LED BULBS	LED		1200	
7	LED/ELV	55	55	--	7	AUDITORIUM HOUSE LIGHTS - CIRCUIT 7	Y	NA	LED BULBS	LED		1200	
8		56	56	--	8	AUDITORIUM HOUSE LIGHTS - CIRCUIT 8	Y	NA	LED BULBS	LED		1200	
9	LED/ELV	57	57	--	9	AUDITORIUM HOUSE LIGHTS - CIRCUIT 9	Y	NA	LED BULBS	LED			1200
10		58	58	--	10	AUDITORIUM HOUSE LIGHTS - CIRCUIT 10	Y	NA	LED BULBS	LED			1200
11	LED/ELV	59	59	--	11	AUDITORIUM HOUSE LIGHTS - CIRCUIT 11	Y	NA	LED BULBS	LED			1200
12		60	60	--	12	AUDITORIUM HOUSE LIGHTS - CIRCUIT 12	Y	NA	LED BULBS	LED			1200
										TOTAL WATTS	4800	4800	4800
										TOTAL AMPS	40.00	40.00	40.00

LOAD LEGEND (INCLUDES TRANSFORMER AND BALLAST LOSSES WHERE APPLICABLE)

INC	LINE VOLTAGE INCANDESCENT
FL2	2-WIRE FLUORESCENT DIMMING
FL3	3-WIRE FLUORESCENT DIMMING
FLB	FLUORESCENT W/EMG FEED
ND	NON DIM CIRCUIT
MLV	MAGNETIC LOW VOLTAGE
LED	NON-MAGNETIC PHASE DIMMING LED FIXTURES
ELV	ELECTRONIC LOW VOLTAGE
FLND	FLUORESCENT NON-DIM
SW	SWITCHED/NON-DIMMING

2 TE402 PANEL SCHEDULE DP-01
N.T.S.

CIRCUIT SCHEDULE

Date: 05/23/2025

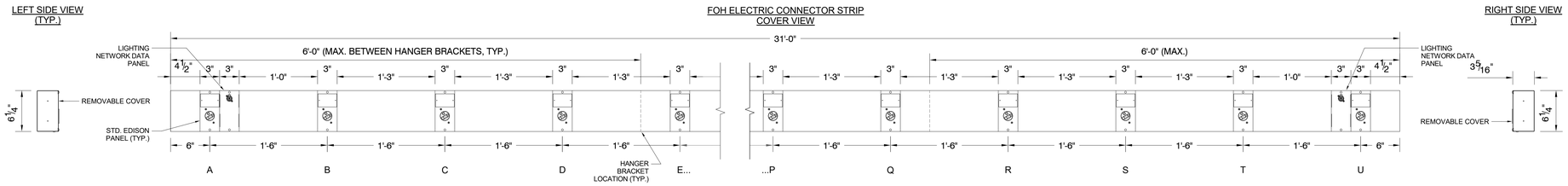
Rack	Module	CKTs	EDMX Value	Location / Description	Rack	Module	CKTs	EDMX Value	Location / Description
RP-01	Relay 01	1	1	FOH ELECTRIC	DP-01	ELV/LED 01	49	49	AUD. HOUSE LIGHTS - CIRCUIT 1
RP-01	Relay 02	2	2	FOH ELECTRIC	DP-01		50	50	AUD. HOUSE LIGHTS - CIRCUIT 2
RP-01	Relay 03	3	3	FOH ELECTRIC	DP-01	ELV/LED 02	51	51	AUD. HOUSE LIGHTS - CIRCUIT 3
RP-01	Relay 04	4	4	FOH ELECTRIC	DP-01		52	52	AUD. HOUSE LIGHTS - CIRCUIT 4
RP-01	Relay 05	5	5	FOH ELECTRIC	DP-01	ELV/LED 03	53	53	AUD. HOUSE LIGHTS - CIRCUIT 5
RP-01	Relay 06	6	6	FOH ELECTRIC	DP-01		54	54	AUD. HOUSE LIGHTS - CIRCUIT 6
RP-01	Relay 07	7	7	FOH ELECTRIC	DP-01	ELV/LED 04	55	55	AUD. HOUSE LIGHTS - CIRCUIT 7
RP-01	Relay 08	8	8	1ST ELECTRIC	DP-01		56	56	AUD. HOUSE LIGHTS - CIRCUIT 8
RP-01	Relay 09	9	9	1ST ELECTRIC	DP-01	ELV/LED 05	57	57	AUD. HOUSE LIGHTS - CIRCUIT 9
RP-01	Relay 10	10	10	1ST ELECTRIC	DP-01		58	58	AUD. HOUSE LIGHTS - CIRCUIT 10
RP-01	Relay 11	11	11	1ST ELECTRIC	DP-01	ELV/LED 06	59	59	AUD. HOUSE LIGHTS - CIRCUIT 11
RP-01	Relay 12	12	12	1ST ELECTRIC	DP-01		60	60	AUD. HOUSE LIGHTS - CIRCUIT 12
RP-01	Relay 13	13	13	1ST ELECTRIC					
RP-01	Relay 14	14	14	2ND ELECTRIC					
RP-01	Relay 15	15	15	2ND ELECTRIC					
RP-01	Relay 16	16	16	2ND ELECTRIC					
RP-01	Relay 17	17	17	2ND ELECTRIC					
RP-01	Relay 18	18	18	2ND ELECTRIC					
RP-01	Relay 19	19	19	2ND ELECTRIC					
RP-01	Relay 20	20	20	3RD ELECTRIC					
RP-01	Relay 21	21	21	3RD ELECTRIC					
RP-01	Relay 22	22	22	3RD ELECTRIC					
RP-01	Relay 23	23	23	3RD ELECTRIC					
RP-01	Relay 24	24	24	3RD ELECTRIC					
RP-01	Relay 25	25	25	3RD ELECTRIC					
RP-01	Relay 26	26	26	4TH ELECTRIC					
RP-01	Relay 27	27	27	4TH ELECTRIC					
RP-01	Relay 28	28	28	4TH ELECTRIC					
RP-01	Relay 29	29	29	4TH ELECTRIC					
RP-01	Relay 30	30	30	4TH ELECTRIC					
RP-01	Relay 31	31	31	4TH ELECTRIC					
RP-01	Relay 32	32	32	PD-01					
RP-01	Relay 33	33	33	PD-01					
RP-01	Relay 34	34	34	PD-02					
RP-01	Relay 35	35	35	PD-02					
RP-01	Relay 36	36	36	PD-03					
RP-01	Relay 37	37	37	PD-03					
RP-01	Relay 38	38	38	PD-04					
RP-01	Relay 39	39	39	PD-04					
RP-01	Relay 40	40	40	PD-05					
RP-01	Relay 41	41	41	PD-05					
RP-01	Relay 42	42	42	PD-11 (TORM HL)					
RP-01	Relay 43	43	43	PD-11 (TORM HL)					
RP-01	Relay 44	44	44	PD-12 (TORM HR)					
RP-01	Relay 45	45	45	PD-12 (TORM HR)					
RP-01	Relay 46	46	46	PD-21 (PROSCENIUM SIDELIGHT SR)					
RP-01	Relay 47	47	47	PD-22 (PROSCENIUM SIDELIGHT SL)					
RP-01	Relay 48	48	48	F-L1 (STAGE FOOTLIGHTS)					

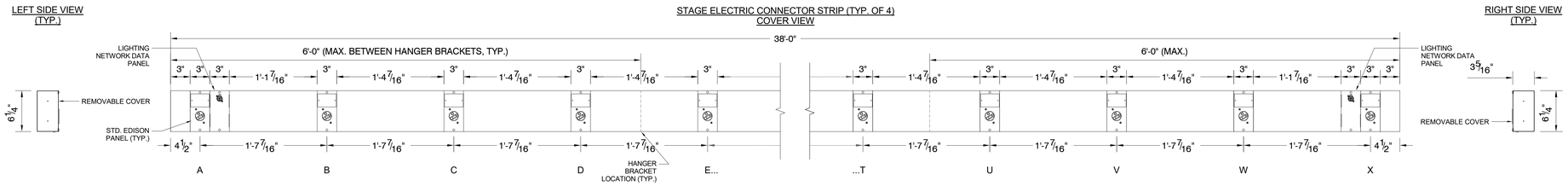
3 TE402 CIRCUIT SCHEDULE
N.T.S.

CIRCUIT DESIGNATIONS

CONNECTOR STRIP/ OUTLET BOX	LOCATION	OUTLET NUMBER (A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	DMX (UNIVERSE)
FOH ELECTRIC	HOUSE	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	--	--	--	(01)
1ST ELECTRIC	STAGE	8	9	10	11	12	13	8	9	10	11	12	13	8	9	10	11	12	13	8	9	10	11	12	13	(02)
2ND ELECTRIC	STAGE	14	15	16	17	18	19	14	15	16	17	18	19	14	15	16	17	18	19	14	15	16	17	18	19	(02)
3RD ELECTRIC	STAGE	20	21	22	23	24	25	20	21	22	23	24	25	20	21	22	23	24	25	20	21	22	23	24	25	(02)
4TH ELECTRIC	STAGE	26	27	28	29	30	31	26	27	28	29	30	31	26	27	28	29	30	31	26	27	28	29	30	31	(02)
PD-01	DOWNSTAGE WALL RIGHT	32	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-02	DOWNSTAGE WALL LEFT	34	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-03	UPSTAGE WALL RIGHT	36	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-04	UPSTAGE WALL LEFT	38	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-05	PIT CEILING CENTER	40	41	40	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-11	TORM HOUSE LEFT	42	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(01)
PD-12	TORM HOUSE RIGHT	44	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(01)
PD-21	PROSCENIUM SIDELIGHT SR	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
PD-22	PROSCENIUM SIDELIGHT SL	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)
F-L1	STAGE FOOTLIGHTS	48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(03)

4 TE402 CONNECTOR STRIP & OUTLET BOX CIRCUIT DESIGNATIONS
N.T.S.





5 TE402 CUSTOM CONNECTOR STRIPS
1 1/2" = 1'-0"

NOTES:

1. CONNECTOR STRIP TROUGH AND COVER ARE 18 GA. STEEL. END CAPS ARE 14 GA. STEEL. ALL ARE FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2. CONNECTOR STRIP COVERS, RECEPTACLES, AND LABELS FACE UPSTAGE (TOWARD STAGE FOR FRONT OF HOUSE ELECTRIC).
3. HANGER BRACKETS ARE 7 GA. STEEL FINISHED IN A BLACK FINE-TEXTURED POWDER COAT. INDICATED QUANTITY OF BRACKETS SHALL BE PLACED NO GREATER THAN 5'-0" APART ALONG THE LENGTH OF THE CONNECTOR STRIP.
4. CIRCUITS ARE DESIGNATED WITH 2.25" BLACK LEXAN LABELS WITH 2.00" WHITE TEXT.
5. CONNECTOR STRIP IS UL LISTED.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT
HEAPY
PROJECT NO.

ARCHITECT/ENGINEER OF RECORD
FFE Engineering & Architecture
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STAMP

JAMES H. QUILLEN VA MEDICAL CENTER
VA U.S. Department of Veterans Affairs

Drawing Title: THEATER SYSTEMS CIRCUIT SCHEDULES
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: TE402

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
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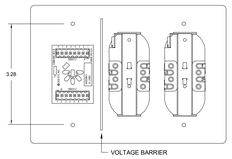
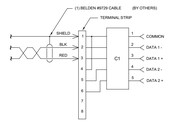
REAR VIEW
(BACK BOX AND WIRE CONNECTORS REMOVED)



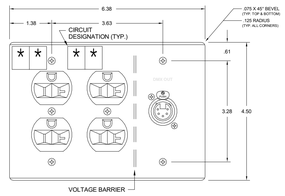
ELECTRICAL DIAGRAM



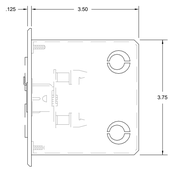
NOTES:

1. OUTLET STATION SHALL COMPLY WITH NEMA AND RELATED STANDARDS.
2. OUTLET STATION IS ETL LISTED.
3. FACE PANEL IS 0.125 ALUMINUM FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
4. BACK BOX SHALL BE THREE GANG 3.50" DEEP. GANGABLE BACK BOX IS NOT ACCEPTABLE.
5. CIRCUITS ARE DESIGNATED WITH 3/4" BLACK LEXAN LABELS WITH 9/16" WHITE TEXT.
6. NOMENCLATURE FOR DMX OUTPUT IS ENGRAVED IN WHITE.

FRONT VIEW



SIDE VIEW

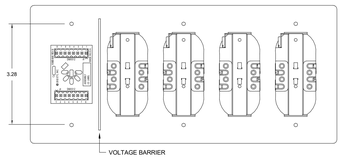


CIRCUIT DESIGNATION				
BOX #	LOCATION	OUTLET #		
		(A)	(B)	DMX OUT (UNIVERSE)
PD-01	DOWNSTAGE RIGHT	32	33	(03)
PD-02	DOWNSTAGE LEFT	34	35	(03)
PD-03	UPSTAGE RIGHT	36	37	(03)
PD-04	UPSTAGE LEFT	38	39	(03)
PD-11	TORM HOUSE LEFT	42	43	(01)
PD-12	TORM HOUSE RIGHT	44	45	(01)

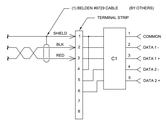
** - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.

1 / TE403 OUTLET BOX TYPE 1 (TYP. OF 6)
6" = 1'-0"

REAR VIEW
(BACK BOX AND WIRE CONNECTORS REMOVED)



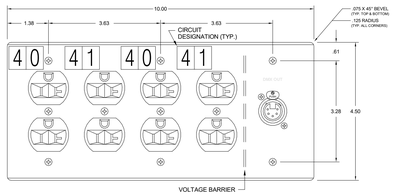
ELECTRICAL DIAGRAM



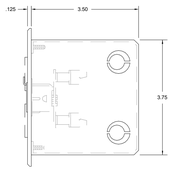
NOTES:

1. OUTLET STATION SHALL COMPLY WITH NEMA AND RELATED STANDARDS.
2. OUTLET STATION IS ETL LISTED.
3. FACE PANEL IS 0.125 ALUMINUM FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
4. BACK BOX SHALL BE FIVE GANG 3.50" DEEP. GANGABLE BACK BOX IS NOT ACCEPTABLE.
5. CIRCUITS ARE DESIGNATED WITH 3/4" BLACK LEXAN LABELS WITH 9/16" WHITE TEXT.
6. NOMENCLATURE FOR DMX OUTPUT IS ENGRAVED IN WHITE.

FRONT VIEW



SIDE VIEW

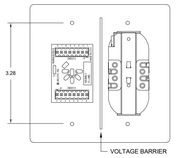


CIRCUIT DESIGNATION						
BOX #	LOCATION	OUTLET #				
		(A)	(B)	(C)	(D)	DMX OUT (UNIVERSE)
PD-05	PIT CEILING CENTER	40	41	40	41	(03)

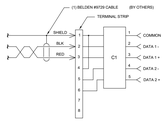
** - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.

2 / TE403 OUTLET BOX TYPE 2
6" = 1'-0"

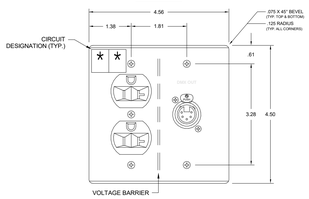
REAR VIEW
(BACK BOX AND WIRE CONNECTORS REMOVED)



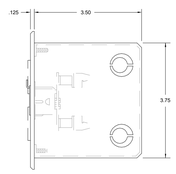
ELECTRICAL DIAGRAM



FRONT VIEW



SIDE VIEW



CIRCUIT DESIGNATION			
BOX #	LOCATION	OUTLET #	
		(A)	DMX OUT (UNIVERSE)
PD-21	PROSC. SIDELIGHT SR	46	(03)
PD-22	PROSC. SIDELIGHT SL	47	(03)

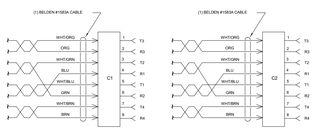
** - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.

3 / TE403 OUTLET BOX TYPE 3 (TYP. OF 2)
6" = 1'-0"

NOTES:

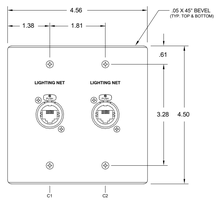
1. FACE PANEL IS .08" ALUMINUM FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2. ALL NOMENCLATURE IS LASER ENGRAVED IN WHITE.
3. BACK BOX SHALL BE DOUBLE GANG 3.50" DEEP. GANGABLE BACK BOX IS NOT ACCEPTABLE.

ELECTRICAL DIAGRAM

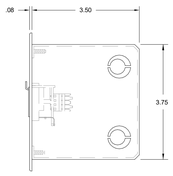


INSTALLATION LOCATIONS	
BOX #	LOCATION
PS-01	STAGE RIGHT
PS-02	STAGE LEFT
PS-03	HOUSE FLOOR WALL BOX

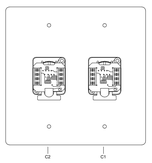
FRONT VIEW



SIDE VIEW



REAR VIEW
(BACK BOX AND WIRE CONNECTORS REMOVED)

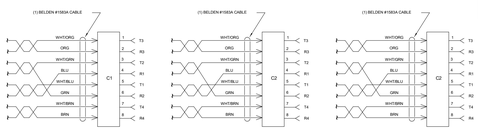


4 / TE403 LIGHTING CONTROL PLUG-IN STATION TYPE 1 (TYP. OF 3)
6" = 1'-0"

NOTES:

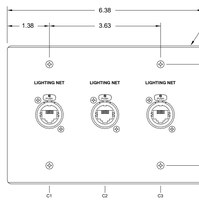
1. FACE PANEL IS .08" ALUMINUM FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2. ALL NOMENCLATURE IS LASER ENGRAVED IN WHITE.
3. BACK BOX SHALL BE THREE GANG 3.50" DEEP. GANGABLE BACK BOX IS NOT ACCEPTABLE.

ELECTRICAL DIAGRAM

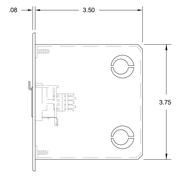


INSTALLATION LOCATIONS	
BOX #	LOCATION
PS-04	PROJECTOR BOOTH

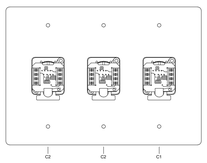
FRONT VIEW



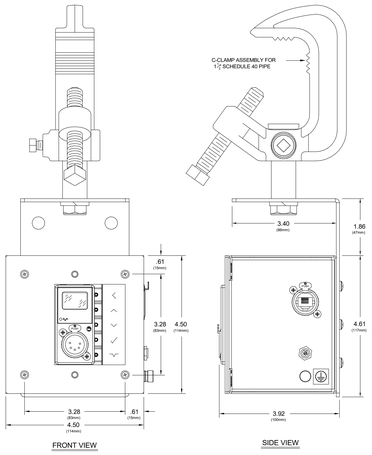
SIDE VIEW



REAR VIEW
(BACK BOX AND WIRE CONNECTORS REMOVED)



5 / TE403 LIGHTING CONTROL PLUG-IN STATION TYPE 2
6" = 1'-0"



NOTES:

1. FACE PANEL SUB PANEL ARE 16 GA. STEEL FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2. NOMENCLATURE IS IS DIGITALLY PRINTED ONTO SELF-ADHESIVE LEXAN LABEL AND LASER MARKED IN A CONTRASTING COLOR.
3. BACK BOX AND MOUNTING BRACKET ARE 16 GA. STEEL AND FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.

INSTALLATION LOCATION		
BOX #	LOCATION	OUTLET #
		DMX OUT (UNIV.)
NA	FOH ELECTRIC	(01)
NA	1st STAGE ELECTRIC	(02)
NA	2nd STAGE ELECTRIC	(02)
NA	3rd STAGE ELECTRIC	(02)
NA	4th STAGE ELECTRIC	(02)

6 / TE403 LIGHTING CONTROL PLUG-IN STATION TYPE 3 (TYP. OF 5)
6" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT
HEAPY
PROJECT NO.

ARCHITECT/ENGINEER OF RECORD
FFE Engineering & Architecture
www.ffeinc.us | 319.322.0956

STAMP

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: POWER & CONTROL DISTRIBUTION

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

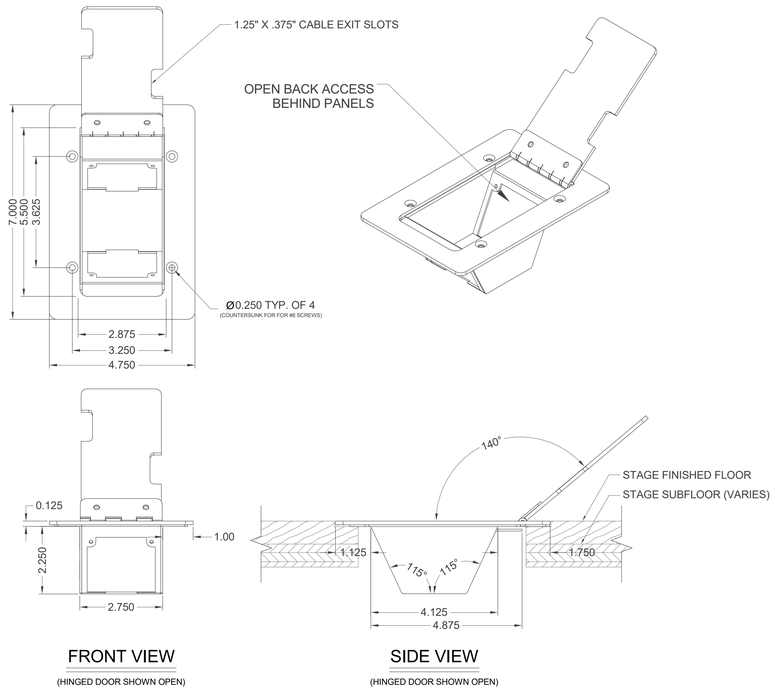
Project Number: 621-24-103

Building Number: 35

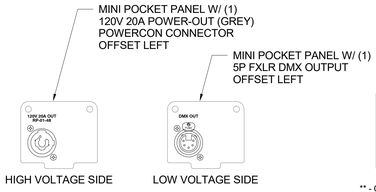
Drawing Number: TE403

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt 7/1/2025 11:19:50 AM



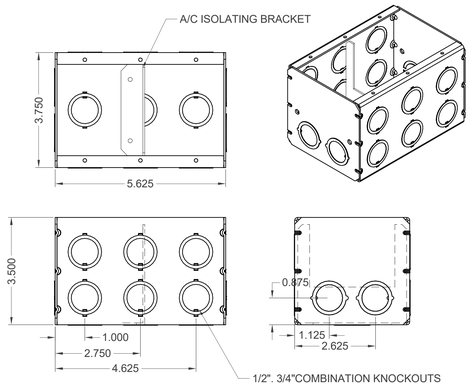
1 TE404 MINI FLOOR POCKET 'F-L1'
6" = 1'-0"



CIRCUIT DESIGNATION			
BOX #	LOCATION	OUTLET #	
		(A)	DMX OUT (UNIVERSE)
F-L1	STAGE FOOTLIGHTS	48	(03)

** - CIRCUIT NUMBERING MUST BE PROVIDED PRIOR TO MANUFACTURING.

3 TE404 MINI FLOOR POCKET - CONNECTOR PLATES
6" = 1'-0"



2 TE404 MINI FLOOR POCKET BACK BOX
6" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT
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PROJECT NO.

ARCHITECT/ENGINEER OF RECORD
FFE Engineering & Architecture
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STAMP

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: POWER & CONTROL DISTRIBUTION

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: TE404

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
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GENERAL

1. PRIOR TO BIDDING, REVIEW THE PROJECT DRAWINGS AND SPECIFICATIONS TO BECOME FAMILIAR WITH THE PROJECT SCOPE AND AUDIO-VISUAL SYSTEM REQUIREMENTS.
2. ADVISE THE ARCHITECT AND AUDIO-VISUAL CONSULTANT OF ANY DISCREPANCIES THAT WILL AFFECT THE INSTALLATION OF THE AUDIO-VISUAL SYSTEMS.
3. OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR INSPECTION OF THE AUDIO-VISUAL SYSTEMS BY LOCAL OFFICIALS IF REQUIRED BY LOCAL CODE.
4. COORDINATE THE INSTALLATION OF THE AUDIO-VISUAL SYSTEMS WITH THE BASE BUILDING ELECTRICAL WORK, INCLUDING CONDUIT, BACK BOXES, PULL BOXES, JUNCTION BOXES, CABLES, AND ELECTRICAL POWER AS SHOWN ON THE ELECTRICAL DRAWINGS AND AUDIO-VISUAL SYSTEM INFRASTRUCTURE DRAWINGS.
5. COORDINATE WITH ARCHITECT ALL INFRASTRUCTURE REQUIREMENTS SHOWN ON THESE DRAWINGS INCLUDING BUT NOT LIMITED TO FLOOR BOX LOCATIONS, BACK BOX LOCATIONS AND ELEVATIONS, AND CONDUIT ROUTING. OBTAIN ARCHITECT'S APPROVAL BEFORE COMMENCING WITH WORK.
6. VERIFY THE BASE BUILDING ELECTRICAL INFRASTRUCTURE IS COMPLETE AND CORRECT FOR THE AUDIO-VISUAL SYSTEM CABLES AND FUNCTIONS.
7. SUPPLY AND INSTALL MISCELLANEOUS CONDUIT, BACK BOXES, PULL BOXES, JUNCTION BOXES, AND CABLES TO RESULT IN A COMPLETE SYSTEM TO THE EXTENT THESE ITEMS ARE NOT SUPPLIED OR INSTALLED BY THE ELECTRICAL CONTRACTOR.
8. LOUDSPEAKERS SHOWN ON THESE DRAWINGS SHALL BE PROVIDED AND INSTALLED BY THE AUDIO-VISUAL CONTRACTOR.
9. AUDIO-VISUAL CONTRACTOR TO PROVIDE SHOP DRAWINGS STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE WORK IS BEING PERFORMED FOR ALL EQUIPMENT DEAD-HUNG, SUSPENDED, OR WALL MOUNTED OVERHEAD. APPLICABLE EQUIPMENT INCLUDES BUT IS NOT LIMITED TO LOUDSPEAKERS, VIDEO PROJECTORS, AND PROJECTION SCREENS. SHOP DRAWINGS MUST INCLUDE THE REVIEWING ENGINEER'S CALCULATIONS FOR THE PROPOSED INSTALLATION.
10. SUPPLY AND TERMINATE AUDIO-VISUAL SYSTEM CABLES.
11. SUPPLY AND INSTALL ALL AUDIO-VISUAL SYSTEM ELECTRONICS, COMPONENT ITEMS, CONTROL SOFTWARE PROGRAMMING, AND PROVIDE TESTING TO ENSURE COMPLETE AND WORKING SYSTEMS.

ELECTRICAL CONTRACTOR INSTALLATION RESPONSIBILITIES

12. ALL ELECTRICAL POWER REQUIREMENTS INDICATED ON AUDIO-VISUAL DRAWINGS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND SHALL BE PROVIDED UNDER DIVISION 26. SEE ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRICAL POWER INFRASTRUCTURE TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
13. THE INSTALLATION OF ALL CONDUITS, BACK BOXES, PULL BOXES, JUNCTION BOXES, AND ELECTRICAL POWER SHOWN ON THESE AUDIO-VISUAL DRAWINGS SHALL BE PROVIDED UNDER DIVISION 26.
14. POWER REQUIREMENTS INDICATED ON THESE AUDIO-VISUAL DRAWINGS SHALL BE SERVED BY A BREAKER PANEL DEDICATED TO AUDIO-VISUAL SYSTEMS AND ELECTRICALLY ISOLATED FROM OTHER POWER CIRCUITS SERVING LIGHTING CONTROL SYSTEMS, MOTORS, OR OTHER NOISE-GENERATING EQUIPMENT.

AUDIO-VISUAL SYSTEM INFRASTRUCTURE REQUIREMENTS

15. ALL CONDUITS SHALL BE EMT OF MINIMUM 1" DIAMETER UNLESS NOTED OTHERWISE.
16. CONDUITS SHALL BE PROVIDED SIZED AS INDICATED OR SIZED AS REQUIRED FOR 40 PERCENT FILL, WHICHEVER IS LARGER.
17. CONDUIT RUNS IN EXCESS OF 100 FT SHALL HAVE INTERMEDIATE JUNCTION BOXES EVERY 100 FT OR AT 3 BEND INTERVALS, WHICHEVER IS SHORTER.
18. CONDUIT FIELD BENDS AND OFFSETS SHALL BE AVOIDED WHENEVER POSSIBLE. FIELD BENDS SHALL BE MADE TO AVOID CHANGING THE INTERNAL DIAMETER AND NOT DAMAGE THE CONDUIT'S INTERIOR AND EXTERIOR PROTECTIVE COATINGS. FIELD BENDS SHALL BE FREE OF KINKS, INDENTATIONS, AND FLATTENING. INDIVIDUAL BENDS SHALL NOT EXCEED 90 DEGREES. NO MORE THAN 270 DEGREES OF TOTAL BENDS SHALL BE ALLOWED IN ANY ONE CONDUIT RUN.
19. ALL CONDUITS SHALL BE PROVIDED WITH ONE (1) SPARE NYLON PULL LINE.
20. ALL WALL AND CEILING BOXES SHALL BE A MINIMUM OF 3-1/2 INCHES DEEP UNLESS NOTED OTHERWISE.
21. ALL JUNCTION AND PULL BOXES SHALL BE A MINIMUM OF 4 INCHES DEEP UNLESS NOTED OTHERWISE
22. PULL BOXES AND JUNCTION BOXES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
23. MAINTAIN PROXIMITY GROUPING OF ALL SIMILAR LEVEL CABLES AND CONDUITS. PROVIDE THE FOLLOWING SEPARATION DISTANCES BETWEEN DIFFERENT CABLES ROUTED IN CONDUITS:
    A. MIC / LINE LEVEL TO VIDEO OR CONTROL LEVEL: 6 INCHES;
    B. MIC / LINE LEVEL TO ELECTRICAL POWER: 24 INCHES;
    C. VIDEO OR CONTROL LEVEL TO ELECTRICAL POWER: 8 INCHES.
24. COORDINATE ANTENNA BACK BOX LOCATIONS TO MAINTAIN MANUFACTURER RECOMMENDED DISTANCES OR A MINIMUM OF 18 INCHES--WHICHEVER IS GREATER--FROM ELECTRICAL FIXTURES AND METAL OBJECTS INCLUDING BUT NOT LIMITED TO METAL TRUSSES, LIGHTING EQUIPMENT, RIGGING, ETC.
25. ALL CONDUIT AND BACK BOXES ARE TO BE RECESSED. ALL CONDUIT TO BE CONCEALED WHERE POSSIBLE. IF CONDUIT AND BACK BOXES CANNOT BE RECESSED, NOTIFY ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH WORK.
    A. BOXES WHICH CANNOT BE RECESSED MUST BE DISCRETELY PLACED.
    B. CONDUITS WHICH CANNOT BE RECESSED IN OR FISHED THROUGH THE WALL OR CEILING MUST BE DISCRETELY ROUTED ALONG WALL / CEILING CORNERS OR OTHER ARCHITECTURAL FEATURES (E.G., MOLDING, DOOR / WINDOW TRIM, ETC.), IN CLOSE COORDINATION WITH THE ARCHITECT, TO MINIMIZE VISIBILITY.
    C. NO HISTORIC TRIM / WOODWORK IS TO BE DISTURBED.
26. ALL EXPOSED AUDIO-VISUAL CONDUIT, BACK BOXES, PULL BOXES, AND JUNCTION BOXES THAT ARE VISIBLE ARE TO BE PAINTED TO MATCH THE SURFACES ON WHICH TTHEY ARE MOUNTED.
27. COORDINATE DEVICE POWER AND SIGNAL BOX LOCATIONS TO BE PLACED DIRECTLY BEHIND THE AUDIO-VISUAL DEVICES THEY SERVE. INSTALL MULTIPLE BOXES SERVING THE SAME DEVICE AND SHOWN ADJACENT TO EACH OTHER ON THE DRAWINGS PHYSICALLY ADJACENT TO EACH OTHER IN THE FIELD REGARDLESS OF DRAWING SCALE AND SYMBOL SIZE.
28. SEE ARCHITECTURAL INTERIOR ELEVATION DRAWINGS FOR MORE INFORMATION ON LOCATING DEVICE BOXES.
29. COORDINATE THE LOCATION OF MICROPHONE, LOUDSPEAKER, VOLUME CONTROL, AND AUDIO-VISUAL DEVICE PLATES WITH CASEWORK, LIGHT FIXTURES, SPRINKLER HEADS, AND HVAC DUCTWORK AND DIFFUSERS.

STRUCTURED CABLING CONTRACTOR (27 1000) INSTALLATION RESPONSIBILITIES

30. NETWORK DATA REQUIREMENTS INDICATED ON THE AUDIO-VISUAL INFRASTRUCTURE DRAWINGS SHALL BE PROVIDED BY THE STRUCTURED CABLING CONTRACTOR.
31. PROVIDE AND INSTALL STRUCTURED CABLES TO ALL LOCATIONS INDICATED.
32. TERMINATE DATA CABLES WITH APPROPRIATE JACKS OR CONNECTORS AND SUPPLY AND INSTALL ALL FITTINGS TO INCLUDE DECORA INSERTS AND WALL PLATES, EXCEPT WHERE NETWORK DATA DROPS ARE TO BE PROVIDED INSIDE AUDIO-VISUAL DEVICE BOXES OR EQUIPMENT RACK LOCATIONS. FOR AUDIO-VISUAL DEVICE BOXES, THE AUDIO-VISUAL CONTRACTOR SHALL PROVIDE AND INSTALL THE WALL PLATE. CABLE TERMINATIONS AND DECORA INSERT SHALL BE PROVIDED BY STRUCTURED CABLING CONTRACTOR. COORDINATE WITH AUDIO-VISUAL CONTRACTOR. FOR AUDIO-VISUAL EQUIPMENT RACKS, COORDINATE REQUIREMENTS WITH AUDIO-VISUAL CONTRACTOR TO PROVIDE NETWORK DATA JACKS INSIDE EQUIPMENT RACK ENCLOSURES. TERMINATE, MOUNT, AND LOCATE CONNECTIONS AS DIRECTED BY THE AUDIO-VISUAL CONTRACTOR.

LIFE SAFETY SYSTEM CONTRACTOR INSTALLATION RESPONSIBILITIES

33. PROVIDE ADDITIONAL LIFE SAFETY SYSTEM RELAY MODULES AS REQUIRED TO PROVIDE DRY CONTACT CLOSURES TO THE LOCATIONS INDICATED ON THE AUDIO-VISUAL INFRASTRUCTURE DRAWINGS.
34. PULL THE LIFE SAFETY SYSTEM 2 CONDUCTOR DRY CONTACT SIGNAL WIRE TO AUDIO-VISUAL EQUIPMENT RACKS WHERE INDICATED FOR CONNECTION TO AUDIO-VISUAL SYSTEM CONTROL PROCESSORS. COORDINATE REQUIREMENTS WITH THE AUDIO-VISUAL CONTRACTOR. AUDIO-VISUAL SYSTEM CONTROL PROCESSORS SHALL BE PROVIDED BY THE AUDIO-VISUAL CONTRACTOR. THE CONNECTION SHALL BE MADE BY THE AUDIO-VISUAL CONTRACTOR.

AUDIO-VISUAL CONTRACTOR INSTALLATION REQUIREMENTS

35. PROVIDE 3'-0" LOOP OF LOUDSPEAKER CABLE IN EACH LOUDSPEAKER BACK BOX.
36. PROVIDE SUFFICIENT SLACK FOR AUDIO-VISUAL AND POWER CABLES ENTERING FLOOR AND WALL MOUNTED EQUIPMENT RACKS TO ENABLE EQUIPMENT RACKS TO BE MOVED OR OPENED FULLY AND CLEAR ADJACENT WALLS OR FURNITURE FOR SERVICING.
37. PROVIDE SEQUENTIAL NUMBERING OF ALL AUDIO-VISUAL CABLES AT EACH CABLE ORIGINATION AND TERMINATION POINT. RECORD NUMBERING AS PART OF THE AUDIO-VISUAL SYSTEM DOCUMENTATION.
38. PROVIDE SEQUENTIAL NUMBERING OF ALL DEVICE PLATES AND CONNECTORS. LABELING SHALL DESIGNATE FUNCTION, TYPE, AND UNIQUE INTERCONNECTION NUMBER AND SHALL BE RECORDED AS PART OF THE AUDIO-VISUAL SYSTEM DOCUMENTATION.
39. NUMBERING INDICATED ON AUDIO-VISUAL INFRASTRUCTURE, SIGNAL FLOW, AND PLATE DETAIL DRAWINGS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY, AND DO NOT FREE THE CONTRACTOR OF THE RESPONSIBILITIES LISTED IN NOTES 37 AND 38, ABOVE.
40. AUDIO-VISUAL CONTRACTOR SHALL DETERMINE NAMING OF AUDIO-VISUAL WALL, CEILING, AND FLOOR PLATES AND SUBMIT TO OWNER FOR REVIEW BEFORE ORDERING.
41. SEE SPECIFICATION 274116 FOR FULL AUDIO-VISUAL CONTRACTOR INSTALLATION REQUIREMENTS, AND FOR MORE INFORMATION ON SCOPE DIVISION BETWEEN AUDIO-VISUAL CONTRACTOR AND CONTRACTORS OF OTHER TRADES.

Audio-Visual Symbols

- Hard-Wired Electrical Power As Noted
- 20A 120V Duplex Power Receptacle 18" AFF Unless Noted Otherwise (U.N.O.)
- 20A 120V Quadplex Power Receptacle 18" AFF Unless Noted Otherwise (U.N.O.)
- Network Data Outlet 18" AFF U.N.O. Number Indicates Quantity of Data Drops
- Provide Life Safety System Relay / Dry Contact Closure Where Shown for Interfacing With the Audio-Visual System
- F-01 — Floor Box Designation; Floor Box. See Conduit Schedule for Details.
- F-01 / 3 — Floor Box Designation; Floor Box. See Conduit Schedule for Details.; Data and Data Drops To Be Provided In Floor Box; Isolated Ground Receptacle (When Shown); Power To Be Provided In Floor Box
- XX-01 1 — Wall Box Designation; Wall Box. See Conduit Schedule for Details.; Standard Gang Size (When Indicated)
- XX-01 / 3 1 — Wall Box Designation; Wall Box. See Conduit Schedule for Details.; Standard Gang Size (When Indicated); Data and Data Drops To Be Provided In Wall Box; Isolated Ground Receptacle (When Shown); Power To Be Provided In Wall Box
- C-01 1 — Ceiling Box Designation; Ceiling Box. See Conduit Schedule for Details.; Standard Gang Size (When Indicated)
- C-01 / 3 1 — Ceiling Box Designation; Ceiling Box. See Conduit Schedule for Details.; Standard Gang Size (When Indicated); Data and Data Drops To Be Provided In Ceiling Box; Isolated Ground Receptacle (When Shown); Power To Be Provided In Ceiling Box
- ER-01 — Audio-Visual Equipment Rack Designation

Audio-Visual Designations Legend

AV	AUDIO AND VIDEO SIGNALS (LOW VOLTAGE MIXED USE)
CM	CAMERA VIDEO AND CONTROL SIGNALS
CP	LOW VOLTAGE CONTROL PANEL SIGNALS
DN	DANTE AUDIO NETWORK SIGNALS
IC	PRODUCTION INTERCOM SIGNALS
IR	INFRARED EMITTER SIGNALS
J	JUNCTION / PULL BOX, SIZE AND SERVICE AS NOTED IN THE CONDUIT SCHEDULE
M	MICROPHONE LEVEL AUDIO SIGNALS
RF	RADIO FREQUENCY ANTENNA LEVEL SIGNALS
SC	LOW VOLTAGE PROJECTION SCREEN CONTROL SIGNALS
S	LOUDSPEAKER LEVEL SIGNALS
TV	FLAT PANEL TELEVISION VIDEO AND CONTROL SIGNALS
U	LOW VOLTAGE USB CONTROL SIGNALS
VC	LOW VOLTAGE VOLUME CONTROL SIGNALS
VP	VIDEO PROJECTOR VIDEO AND CONTROL SIGNALS
WP	WIRELESS ACCESS POINT

SPECIAL REQUIREMENTS - EXISTING CONDITIONS

1. PROVIDE A SITE INSPECTION TO DOCUMENT EXISTING EQUIPMENT AND CONDITIONS. MAKE NOTE OF EXISTING CONDITIONS OR ANY OTHER CONFLICTS THAT COULD AFFECT THE INSTALLATION OF NEW AUDIO-VISUAL SYSTEMS AS INDICATED ON THESE DRAWINGS IN A WRITTEN REQUEST FOR INFORMATION (RFI).
2. PROVIDE LABOR TO UNINSTALL EXISTING AUDIO-VISUAL EQUIPMENT NOT INTENDED TO BE REUSED AS PART OF THE NEW AUDIO-VISUAL SYSTEM AND HAND OVER ALL DECOMMISSIONED EQUIPMENT TO THE OWNER IN GOOD WORKING ORDER.
3. REVIEW THESE DRAWINGS FOR ALL REFERENCES TO EXISTING AND OWNER FURNISHED EQUIPMENT AND COORDINATE WITH OWNER THE DECOMMISSIONING OF EXISTING EQUIPMENT.
4. TEST AND VERIFY EXISTING EQUIPMENT INTENDED TO BE REUSED IN THE NEW AUDIO-VISUAL SYSTEMS OPERATES AS INTENDED. REPORT TO THE OWNER ANY EQUIPMENT THAT REQUIRES REPAIR OR REPLACEMENT PRIOR TO INSTALLATION.
5. COORDINATE WITH THE OWNER THE INSTALLATION OF EQUIPMENT, PROVIDING ALL NECESSARY ACCESSORIES AND INTERFACING COMPONENTS FOR A COMPLETE, WORKING SYSTEM MEETING THE OWNER'S REQUIREMENTS.
6. SEE 'AUDIO-VISUAL SYSTEM INFRASTRUCTURE REQUIREMENTS' NOTE 25 FOR SPECIAL REQUIREMENTS RELATED TO INSTALLATION OF NEW ELECTRICAL INFRASTRUCTURE.

AUDIO-VISUAL SHEET LIST

Sheet Number	Sheet Name	Discipline Name	Discipline Number	Order	Included in Set
AV001	AUDIO VISUAL SYMBOLS & NOTES	AUDIO-VISUAL	12	00	Yes
AV002	AUDIO-VISUAL SCHEDULES	AUDIO-VISUAL	12	00	Yes
AV101	ENLARGED PLANS	AUDIO-VISUAL	12	01	Yes
AV102	ENLARGED PLANS	AUDIO-VISUAL	12	01	Yes
AV103	ENLARGED PLANS	AUDIO-VISUAL	12	01	Yes
AV104	ENLARGED PLANS	AUDIO-VISUAL	12	01	Yes
AV201	REFLECTED CEILING PLANS	AUDIO-VISUAL	12	02	Yes
AV202	REFLECTED CEILING PLANS	AUDIO-VISUAL	12	02	Yes
AV203	REFLECTED CEILING PLANS	AUDIO-VISUAL	12	02	Yes
AV301	SECTIONS	AUDIO-VISUAL	12	03	Yes
AV302	SECTIONS	AUDIO-VISUAL	12	03	Yes
AV401	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV402	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV403	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV404	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV405	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV406	BLOCK DIAGRAMS	AUDIO-VISUAL	12	04	Yes
AV501	AUDIO-VISUAL DETAILS	AUDIO-VISUAL	12	05	Yes
AV502	AUDIO-VISUAL DETAILS	AUDIO-VISUAL	12	05	Yes

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: AUDIO VISUAL SYMBOLS & NOTES

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV001

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
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AUDIO-VISUAL SYSTEMS INFRASTRUCTURE SCHEDULE - AUDITORIUM

DEVICE DESIGNATION	GANGS / SIZE	ELEVATION REFERENCE	ELEVATION	DATA DROPS (BY TELECOM)	DEVICE CONDUIT REQUIREMENTS	NOTES
AV-01	6	01.1-STAGE	1' - 6"	2	ONE (1) CONDUIT TO 'J-F' FOR VIDEO AND CONTROL SIGNALS ONE (1) CONDUIT TO 'ER-01' FOR VIDEO AND CONTROL SIGNALS	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (POWER) SERVICE AND 4 GANGS LOW VOLTAGE SERVICE. PROVIDE (2) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLES IN HIGH VOLTAGE SIDE (BY DIV 26) AND TWO (2) CAT-6 DATA JACKS CONNECTED TO OWNER'S LAN IN LOW VOLTAGE SIDE (BY TELECOM).
AV-02	6	01.1-STAGE	1' - 6"	2	ONE (1) CONDUIT TO 'J-F' FOR VIDEO AND CONTROL SIGNALS ONE (1) CONDUIT TO 'ER-01' FOR VIDEO AND CONTROL SIGNALS	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (POWER) SERVICE AND 4 GANGS LOW VOLTAGE SERVICE. PROVIDE (2) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLES IN HIGH VOLTAGE SIDE (BY DIV 26) AND TWO (2) CAT-6 DATA JACKS CONNECTED TO OWNER'S LAN IN LOW VOLTAGE SIDE (BY TELECOM).
AV-03	6	01.1-STAGE	-4' - 1"	2	ONE (1) CONDUIT TO 'J-F' FOR VIDEO AND CONTROL SIGNALS ONE (1) CONDUIT TO 'ER-01' FOR VIDEO AND CONTROL SIGNALS	PROVIDE VOLTAGE BARRIER FOR 2 GANGS HIGH VOLTAGE (POWER) SERVICE AND 4 GANGS LOW VOLTAGE SERVICE. PROVIDE (2) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLES IN HIGH VOLTAGE SIDE (BY DIV 26) AND TWO (2) CAT-6 DATA JACKS CONNECTED TO OWNER'S LAN IN LOW VOLTAGE SIDE (BY TELECOM).
AV-04	6	01.1-STAGE	0' - 6"		ONE (1) CONDUIT TO 'J-F' FOR VIDEO AND CONTROL SIGNALS. ONE (1) CONDUIT TO 'J-C' FOR DIGITAL AUDIO NETWORK SIGNALS. ONE (1) CONDUIT TO 'ER-01' FOR LOW VOLTAGE CONTROL SIGNALS AND FUTURE NETWORK SIGNALS.	FLUSH / RECESSED WALL BOX IN NEW RISER FACE.
CM-01	1	01.2-FIRST FLOOR	9' - 3 3/32"		ONE (1) 3/4" CONDUIT TO 'J-F' FOR NETWORK CAMERA VIDEO AND CONTROL SIGNALS.	SAME NOTES AS 'RF-01'.
CP-01	2	01.1-STAGE	3' - 10"		ONE (1) 3/4" TO 'J-F' FOR LOW VOLTAGE CONTROL SIGNALS.	PROVIDE SECURITY COVER TO PROTECT TOUCH SCREEN.
DN-01	2	01.1-STAGE	1' - 6"		ONE (1) CONDUIT FROM LOW VOLTAGE SIDE TO 'ER-01' FOR DIGITAL AUDIO NETWORK SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 1 GANG HIGH VOLTAGE (POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE. PROVIDE ONE (1) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLE IN HIGH VOLTAGE SIDE.
DN-02	2	01.1-STAGE	1' - 6"		ONE (1) CONDUIT FROM LOW VOLTAGE SIDE TO 'ER-01' FOR DIGITAL AUDIO NETWORK SIGNALS.	PROVIDE VOLTAGE BARRIER FOR 1 GANG HIGH VOLTAGE (POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE. PROVIDE ONE (1) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLE IN HIGH VOLTAGE SIDE.
ER-01	40 RU, 32-INCH DEEP		0' - 0"	4	CONDUITS ARE ROUTED FROM OTHER DEVICES TO 'ER-01'.	FLOOR/WALL MOUNTED, ROTATING SECTIONAL EQUIPMENT RACK FITTED WITH 64% OPEN AREA VENTED LOCKING FRONT DOOR FOR HOUSING AUDIO-VISUAL EQUIPMENT. COORDINATE INSTALLATION BETWEEN DIVISION 26, AUDIO-VISUAL CONTRACTOR, AND THEATER LIGHTING CONTRACTOR.
ER-02	40 RU, 26-INCH DEEP	BOOTH LEVEL	0' - 0"	4	CONDUITS ARE ROUTED FROM OTHER DEVICES TO 'ER-02'.	FLOOR MOUNTED EQUIPMENT RACK LESS FRONT AND REAR DOORS SHALL BE PROVIDED FOR HOUSING BOOTH AUDIO-VISUAL EQUIPMENT.
IC-00	5	BOOTH LEVEL	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-E' FOR INTERCOM SIGNALS ONE (1) CONDUIT TO 'IC-01' FOR LINE LEVEL AUDIO SIGNALS.	SURFACE MOUNTED BOX.
IC-01	5	01.1-STAGE	0' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-E' FOR INTERCOM SIGNALS.	
IC-02	1	01.1-STAGE	-4' - 1"		ONE (1) CONDUIT TO 'IC-01' FOR INTERCOM SIGNALS.	
IC-03	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-02' FOR INTERCOM SIGNALS.	
IC-04	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-03' FOR INTERCOM SIGNALS.	
IC-05	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-04' FOR INTERCOM SIGNALS.	
IC-06	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-05' FOR INTERCOM SIGNALS.	
IC-07	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-06' FOR INTERCOM SIGNALS.	
IC-08	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-07' FOR INTERCOM SIGNALS.	
IC-09	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-08' FOR INTERCOM SIGNALS.	
IC-10	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-09' FOR INTERCOM SIGNALS.	
IC-11	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-10' FOR INTERCOM SIGNALS.	
IC-12	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-11' FOR INTERCOM SIGNALS.	
IC-13	1	01.1-STAGE	1' - 6"		ONE (1) CONDUIT TO 'IC-12' FOR INTERCOM SIGNALS. ONE (1) CONDUIT TO 'J-E' TO PROVIDE A COMPLETE CONDUIT LOOP FOR 'IC-02' THROUGH 'IC-13'	
IC-21	4	01.1-STAGE	3' - 10"		ONE (1) CONDUIT TO 'IC-01' FOR INTERCOM SIGNALS.	
IC-22	4	02.1-BACK LEVEL 2	3' - 10"		ONE (1) CONDUIT TO 'IC-21' FOR INTERCOM SIGNALS.	
IC-23	4	02.1-BACK LEVEL 2	3' - 10"		ONE (1) CONDUIT TO 'IC-22' FOR INTERCOM SIGNALS.	
IC-24	4	01.1-STAGE	3' - 10"		ONE (1) CONDUIT TO 'IC-23' FOR INTERCOM SIGNALS. ONE (1) CONDUIT TO 'J-E' TO PROVIDE A COMPLETE CONDUIT LOOP FOR 'IC-21' THROUGH 'IC-24'	
IC-31	1	02.2-BALCONY	4' - 0"		ONE (1) CONDUIT TO 'IC-01' FOR INTERCOM SIGNALS.	INSTALL WALL BOX 1'-6" AFF.
IC-32	1	02.2-BALCONY	4' - 0"		ONE (1) CONDUIT TO 'IC-31' FOR INTERCOM SIGNALS. ONE (1) CONDUIT TO 'J-E' TO PROVIDE A COMPLETE CONDUIT LOOP FOR 'IC-31' AND 'IC-32'.	INSTALL WALL BOX 1'-6" AFF.
J-A	12" x 12" x 6"	01.1-STAGE	8' - 8"		ONE (1) 3" DIAMETER CONDUIT TO 'ER-01' FOR MICROPHONE LEVEL SIGNALS.	SURFACE MOUNTED JUNCTION BOX ABOVE FINISHED CEILING. COORDINATE LOCATION TO BE ABOVE / ADJACENT TO 'ER-01'.
J-B	12" x 12" x 6"	01.1-STAGE	8' - 8"		ONE (1) 4" DIAMETER CONDUIT TO 'ER-01' FOR LOUDSPEAKER LEVEL SIGNALS.	SURFACE MOUNTED JUNCTION BOX ABOVE FINISHED CEILING. COORDINATE LOCATION TO BE ABOVE / ADJACENT TO 'ER-01'.
J-C	12" x 12" x 4"	BOOTH LEVEL	0' - 10"		ONE (1) 3/4" CONDUIT TO LIFE SAFETY SYSTEM LOW VOLTAGE INTERFACE (CONTACT CLOSURE) FOR AV SYSTEM MUTE/SHUTDOWN ONE (1) 3/4" CONDUIT TO 'ER-L1' AT STAGE FOR RS-232 LIGHTING CONTROL SIGNALS. SEE QT DRAWINGS FOR LOCATION OF "ER-L1".	SURFACE MOUNTED JUNCTION BOX SERVES LOW VOLTAGE SIGNALS TO EQUIPMENT RACK 'ER-02.' PROVIDE FINISH COVER WITH CABLE PASS-THROUGH SLOT ALONG BOTTOM.
J-E	NEMA 12" x 12" x 4"	04.1-CEILING	-8' - 0 5/8"		CONDUITS ARE ROUTED FROM OTHER DEVICES TO 'J-E' FOR LOW VOLTAGE INTERCOM SIGNALS.	SURFACE MOUNTED AT CEILING JUNCTURE
J-F	NEMA 12" x 12" x 4"	04.1-CEILING	-8' - 0 5/8"		ONE (1) 2" DIAMETER CONDUIT DOWN TO 'J-C' FOR VIDEO AND CONTROL SIGNALS	SURFACE MOUNTED AT CEILING JUNCTURE
J-P	2	04.1-CEILING	7' - 5 1/2"		ONE (1) 3/4" CONDUIT TO ELECTRICAL BREAKER PANEL FOR PROJECTION SCREEN 20A 120V ELECTRICAL POWER	SURFACE MOUNT BOX TO CHANNEL GRID STRUCTURE OVER STAGE FOR PROJECTION SCREEN ELECTRICAL POWER CONNECTION. COORDINATE LOCATION WITH RIGGING CONTRACTOR AND PROVIDE FLEXIBLE 'SO' POWER CABLE FROM FLOWN PROJECTION SCREEN TO 'J-P' VIA CABLE HARNESS. HARDWIRE ELECTRICAL POWER FROM 'J-P' INTO PROJECTION SCREEN TO ALLOW FULL RANGE OF VERTICAL TRAVEL.
M-01	3	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS	
M-02	3	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS	
M-03	3	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS	
M-04	3	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS	
M-05	6	01.1-STAGE	-4' - 1"		ONE (1) 1-1/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS	
M-11	1	CHANNEL GRID	0' - 0"		ONE (1) 3/4" CONDUIT TO 'M-12' FOR MICROPHONE LEVEL SIGNALS.	MOUNT BOX ON CHANNEL GRID STRUCTURE WHERE SHOWN. AUDIO-VISUAL CONTRACTOR TO PROVIDE MICROPHONE CABLE AND INSTALL HANGING MICROPHONE BELOW CHANNEL GRID AT 15'-6" ABOVE STAGE LEVEL FINISHED FLOOR. HANGING MICROPHONE 'M-11' IS TO BE LOCATED 9'-0" STAGE RIGHT OF CENTERLINE.
M-12	1	CHANNEL GRID	0' - 0"		ONE (1) 3/4" CONDUIT TO 'M-13' FOR MICROPHONE LEVEL SIGNALS.	SAME NOTE AS 'M-11', ABOVE, EXCEPT HANGING MICROPHONE 'M-12' IS TO BE INSTALLED ON THE CENTERLINE OF THE STAGE.
M-13	1		0' - 0"		ONE (1) 3/4" CONDUIT TO 'J-A' FOR MICROPHONE LEVEL SIGNALS.	SAME NOTE AS 'M-11', ABOVE, EXCEPT HANGING MICROPHONE 'M-13' IS TO BE LOCATED 9'-0" STAGE LEFT OF CENTERLINE.
PS-01		01.1-STAGE	18' - 6"		FLEXIBLE 'SO' POWER CABLE OR TYPE AS REQUIRED BY APPLICABLE CODES FROM PROJECTION SCREEN HIGH VOLTAGE COMPARTMENT TO "J-P" ABOVE VIA CABLE CRADLE. HARDWIRE 20A 120V CIRCUIT INTO PROJECTION SCREEN CASE FOR MOTOR POWER. FLEXIBLE LOW VOLTAGE CABLE FROM PROJECTION SCREEN LOW VOLTAGE COMPARTMENT TO "SC-02" ABOVE VIA CABLE CRADLE FOR LOW VOLTAGE CONTROL SIGNALS.	PROJECTION SCREEN FLOWN FROM MOTORIZED BATTEN. PROJECTION SCREEN IS FURNISHED BY 11 5213 FOR INSTALLATION BY 11 6100 IN COORDINATION WITH 27 4116.
RF-01	1	01.2-FIRST FLOOR	9' - 2 29/32"		ONE (1) CONDUIT TO 'J-C' FOR WIRELESS MICROPHONE RADIO FREQUENCY (RF) ANTENNA SIGNALS.	NOTE CONDUIT IS TO BE ROUTED OVER CEILING TO ENCLOSED BEAM WALL TOWARDS AUDITORIUM REAR, ALONG BEAM TO HOUSE LEFT SIDE WALL, THEN ROUTED OVER CEILING ALONG SIDE WALL TO AUDITORIUM REAR WALL WHERE IT TURNS UP FOR ROUTING TO PROJECTOR BOOTH. DISCRETELY ROUTE CONDUIT IN COORDINATION WITH ARCHITECT TO MINIMIZE VISIBILITY.
RF-02	1	01.2-FIRST FLOOR	9' - 2 29/32"		ONE (1) CONDUIT TO 'RF-01' FOR WIRELESS MICROPHONE RADIO FREQUENCY (RF) ANTENNA SIGNALS	SAME NOTES AS 'RF-01'.
RF-03	1	02.2-BALCONY	21' - 7 19/32"		ONE (1) CONDUIT TO 'J-C' FOR ASSISTIVE LISTENING SYSTEM RADIO FREQUENCY (RF) ANTENNA SIGNALS.	INSTALL BACK BOX AND ASSISTIVE LISTENING ANTENNA IN ATTIC ABOVE FINISHED CEILING.
S-01	2	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	
S-02	2	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	
S-03	2	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	
S-04	2	01.1-STAGE	1' - 6"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	
S-05	2	01.1-STAGE	-4' - 1"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	
S-11	1	04.1-CEILING	-11' - 3 1/2"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS	COORDINATE LOCATION OF SURFACE MOUNTED BOX TO BE ADJACENT TO LOUDSPEAKER WALL MOUNT.
S-12	2	04.1-CEILING	-1' - 10 5/8"		ONE (1) 1-1/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	INSTALL J-BOX IN ATTIC ADJACENT TO LOUDSPEAKER RIGGING SUPPORT LINE PENETRATION IN PLASTER CEILING. ROUTE CONDUIT THROUGH ATTIC AND INTO STAGE. LOUDSPEAKER CABLES TO BE ROUTED FROM J-BOX IN ATTIC, THROUGH PENETRATION IN PLASTER CEILING, AND DOWN SUSPENSION CABLE TO LOUDSPEAKER(S) BELOW FINISHED CEILING.
S-13	1	04.1-CEILING	-11' - 3 1/2"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS	COORDINATE LOCATION OF SURFACE MOUNTED BOX TO BE ADJACENT TO LOUDSPEAKER WALL MOUNT.
S-14	1	04.1-CEILING	-0' - 1 29/32"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	SAME NOTES AS 'S-12', ABOVE.
S-15	1	04.1-CEILING	-0' - 1 29/32"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	SAME NOTES AS 'S-12', ABOVE.
S-16	1	04.1-CEILING	-0' - 1 29/32"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	SAME NOTES AS 'S-12', ABOVE.
S-17	1	01.2-FIRST FLOOR	6' - 2"		ONE (1) 3/4" CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS. SEE NOTES FOR SPECIAL CONDUIT ROUTING REQUIREMENTS.	CAREFULLY INSTALL SURFACE WALL BOX HORIZONTALLY (LANDSCAPE) ON SIDE OF ENCASED BEAM AT CEILING. COORDINATE LOCATION TO BE BEHIND LOUDSPEAKER. NOTE CONDUIT IS TO BE ROUTED OUT BACK OF WALL BOX TO POKE THROUGH BEAM INTO BOOTH 101, THEN ROUTED ALONG EDGE OF CEILING TO CORRIDOR 101. ROUTE OVER CEILING ALONG SIDE WALL INTO STAGE. DISCRETELY ROUTE CONDUIT IN COORDINATION WITH THE ARCHITECT TO MINIMIZE VISIBILITY.
S-18	1	01.2-FIRST FLOOR	6' - 2"		SAME REQUIREMENTS AS 'S-07', ABOVE.	SAME NOTES AS 'S-17', ABOVE.
S-19	1	01.2-FIRST FLOOR	10' - 3"		ONE (1) CONDUIT TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS. SEE NOTES FOR SPECIAL CONDUIT ROUTING REQUIREMENTS.	COORDINATE LOCATION OF SURFACE MOUNTED, HORIZONTALLY-ORIENTED (LANDSCAPE) WALL BOX TO BE JUST ABOVE LOUDSPEAKER. NOTE CONDUIT IS TO BE ROUTED UP TO CEILING AND ALONG BEAM TO HOUSE RIGHT SIDE WALL, THEN ROUTED OVER CEILING ALONG SIDE WALL TO STAGE. DISCRETELY ROUTE CONDUIT IN COORDINATION WITH ARCHITECT TO MINIMIZE VISIBILITY.
S-20	1	01.2-FIRST FLOOR	10' - 3"		SAME REQUIREMENTS AS 'S-09', ABOVE.	SAME NOTES AS 'S-19', ABOVE.
S-31		01.2-FIRST FLOOR	7' - 0"		ONE (1) 3/4" CONDUIT FROM CEILING LOUDSPEAKER BACK CAN TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	FLUSH CEILING LOUDSPEAKER EQUAL TO BIAMP DESONO DX-IC6.
S-32			0' - 0"		ONE (1) 3/4" CONDUIT FROM CEILING LOUDSPEAKER BACK CAN TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	FLUSH CEILING LOUDSPEAKER EQUAL TO BIAMP DESONO DX-IC6.
S-33		02.1-BACK LEVEL 2	8' - 0"		ONE (1) 3/4" CONDUIT FROM CEILING LOUDSPEAKER BACK CAN TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	FLUSH CEILING LOUDSPEAKER EQUAL TO BIAMP DESONO DX-IC6LP.
S-34		02.1-BACK LEVEL 2	8' - 0"		ONE (1) 3/4" CONDUIT FROM CEILING LOUDSPEAKER BACK CAN TO 'J-B' FOR LOUDSPEAKER LEVEL SIGNALS.	FLUSH CEILING LOUDSPEAKER EQUAL TO BIAMP DESONO DX-IC6LP.
S-35		02.1-BACK LEVEL 2	8' - 0"		ONE (1) 3/4" CONDUIT FROM CEILING LOUDSPEAKER BACK CAN TO 'S-34' BACK CAN FOR LOUDSPEAKER LEVEL SIGNALS.	FLUSH CEILING LOUDSPEAKER EQUAL TO BIAMP DESONO DX-IC6LP.
S-41	1	02.2-BALCONY	12' - 6"		ONE (1) 3/4" CONDUIT TO 'J-C' FOR LOUDSPEAKER LEVEL SIGNALS.	SURFACE MOUNTED BOX TO BE LOCATED JUST ABOVE LOUDSPEAKER. NOTE CONDUIT IS TO BE ROUTED OVER WALL SURFACE INTO PROJECTOR BOOTH. COORDINATE BOX AND CONDUIT INSTALLATION WITH ARCHITECT TO MINIMIZE VISIBILITY.
S-42	1	02.2-BALCONY	12' - 6"		ONE (1) 3/4" CONDUIT TO 'S-41' FOR LOUDSPEAKER LEVEL SIGNALS.	SURFACE MOUNTED BOX TO BE LOCATED JUST ABOVE WALL MOUNTED LOUDSPEAKER. NOTE CONDUIT IS TO BE ROUTED OVER WALL SURFACE TO PROJECTOR BOOTH WALL, OVER PROJECTOR BOOTH CEILING, TO WALL BOX 'S-41'. COORDINATE BOX AND CONDUIT INSTALLATION WITH ARCHITECT TO MINIMIZE VISIBILITY.
SC-01	1	01.1-STAGE	3' - 10"		ONE (1) 3/4" CONDUIT TO 'SC-02' (CHANNEL GRID J-BOX) FOR LOW VOLTAGE PROJECTION SCREEN CONTROL SIGNALS	
SC-02	1	04.1-CEILING	7' - 5 1/2"		ONE (1) 3/4" CONDUIT TO 'J-C' FOR LOW VOLTAGE PROJECTION SCREEN CONTROL SIGNALS	SURFACE MOUNT BOX TO CHANNEL GRID STRUCTURE OVER STAGE FOR PROJECTION SCREEN LOW VOLTAGE CONTROL SIGNALS. COORDINATE LOCATION WITH RIGGING CONTRACTOR AND PROVIDE FLEXIBLE LOW VOLTAGE CONTROL CABLES BETWEEN FLOWN PROJECTION SCREEN AND 'SC-02' VIA CABLE CRADLE TO ALLOW FULL RANGE OF VERTICAL TRAVEL.
U-01	1	01.1-STAGE	-4' - 1"		ONE (1) 3/4" CONDUIT TO 'J-F' FOR NETWORK USB CONTROL SIGNALS.	
U-02	1	01.1-STAGE	0' - 6"		ONE (1) 3/4" CONDUIT TO 'J-F' FOR NETWORK USB CONTROL SIGNALS.	
U-03	1	BOOTH LEVEL	1' - 6"		ONE (1) 3/4" CONDUIT TO 'J-C' FOR NETWORK USB CONTROL SIGNALS.	
VC-01	1	01.1-STAGE	4' - 0"		ONE (1) CONDUIT TO 'ER-01' FOR LOW VOLTAGE VOLUME CONTROL SIGNALS	
VC-02	1	01.1-STAGE	4' - 0"		ONE (1) CONDUIT TO 'VC-01' FOR LOW VOLTAGE VOLUME CONTROL SIGNALS	
VC-03	1	02.1-BACK LEVEL 2	4' - 0"		ONE (1) CONDUIT TO 'VC-04' FOR LOW VOLTAGE VOLUME CONTROL SIGNALS	
VC-04	1	02.1-BACK LEVEL 2	4' - 0"		ONE (1) CONDUIT TO 'ER-01' FOR LOW VOLTAGE VOLUME CONTROL SIGNALS	
VP-01	2	01.2-FIRST FLOOR	9' - 6 1/2"	2	ONE (1) CONDUIT FROM LOW VOLTAGE SIDE TO 'J-F' FOR PROJECTOR VIDEO AND CONTROL SIGNALS. SEE NOTES FOR SPECIAL CONDUIT ROUTING REQUIREMENTS.	PROVIDE VOLTAGE BARRIER FOR 1 GANG HIGH VOLTAGE (POWER) SERVICE AND 1 GANG LOW VOLTAGE SERVICE. PROVIDE (1) DECORATOR STYLE 20A 120V DUPLEX POWER RECEPTACLE ON ITS OWN DEDICATED 20A 120V CIRCUIT IN HIGH VOLTAGE SIDE FOR VIDEO PROJECTOR POWER. INSTALL SURFACE CEILING BOX ADJACENT TO VIDEO PROJECTOR MOUNT. NOTE CONDUIT IS TO BE ROUTED OVER CEILING TO ENCLOSED BEAM WALL TOWARDS AUDITORIUM REAR, ALONG BEAM TO HOUSE LEFT SIDE WALL, THEN ROUTED OVER CEILING ALONG SIDE WALL TO AUDITORIUM REAR WALL WHERE IT TURNS UP FOR ROUTING TO PROJECTOR BOOTH. DISCRETELY ROUTE CONDUIT IN COORDINATION WITH ARCHITECT TO MINIMIZE VISIBILITY.
WP-01	1	04.1-CEILING	-0' - 1 29/32"		ONE (1) CONDUIT TO "J-C" FOR LOW VOLTAGE ETHERNET SIGNALS AND LOW VOLTAGE POWER (PoE+)	CEILING BOX IN ATTIC JUST ABOVE EXISTING PLASTER CEILING. ROUTE CONDUIT THROUGH ATTIC. AUDIO-VISUAL CONTRACTOR TO PROVIDE TWO (2) CAT-6A CABLES FOR DEDICATED AUDIO-VISUAL SYSTEM WIRELESS ACCESS POINT.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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VA U.S. Department of Veterans Affairs

Drawing Title: AUDIO-VISUAL SCHEDULES

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV002

VA FORM 08 - 6231

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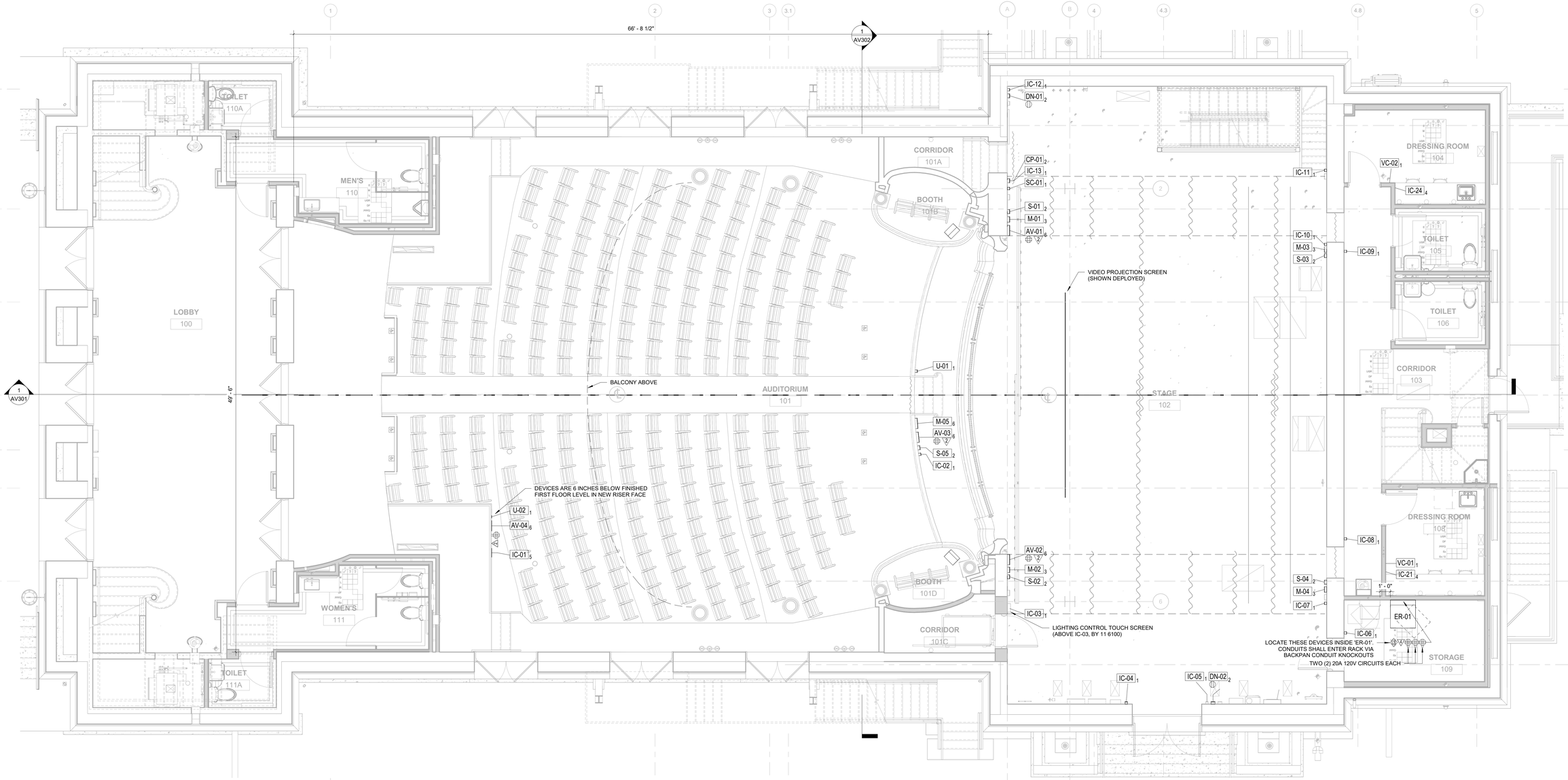

1 AV101 STAGE LEVEL AV PLAN
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: ENLARGED PLANS
Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS
FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: AV101

VA FORM 08 - 6231

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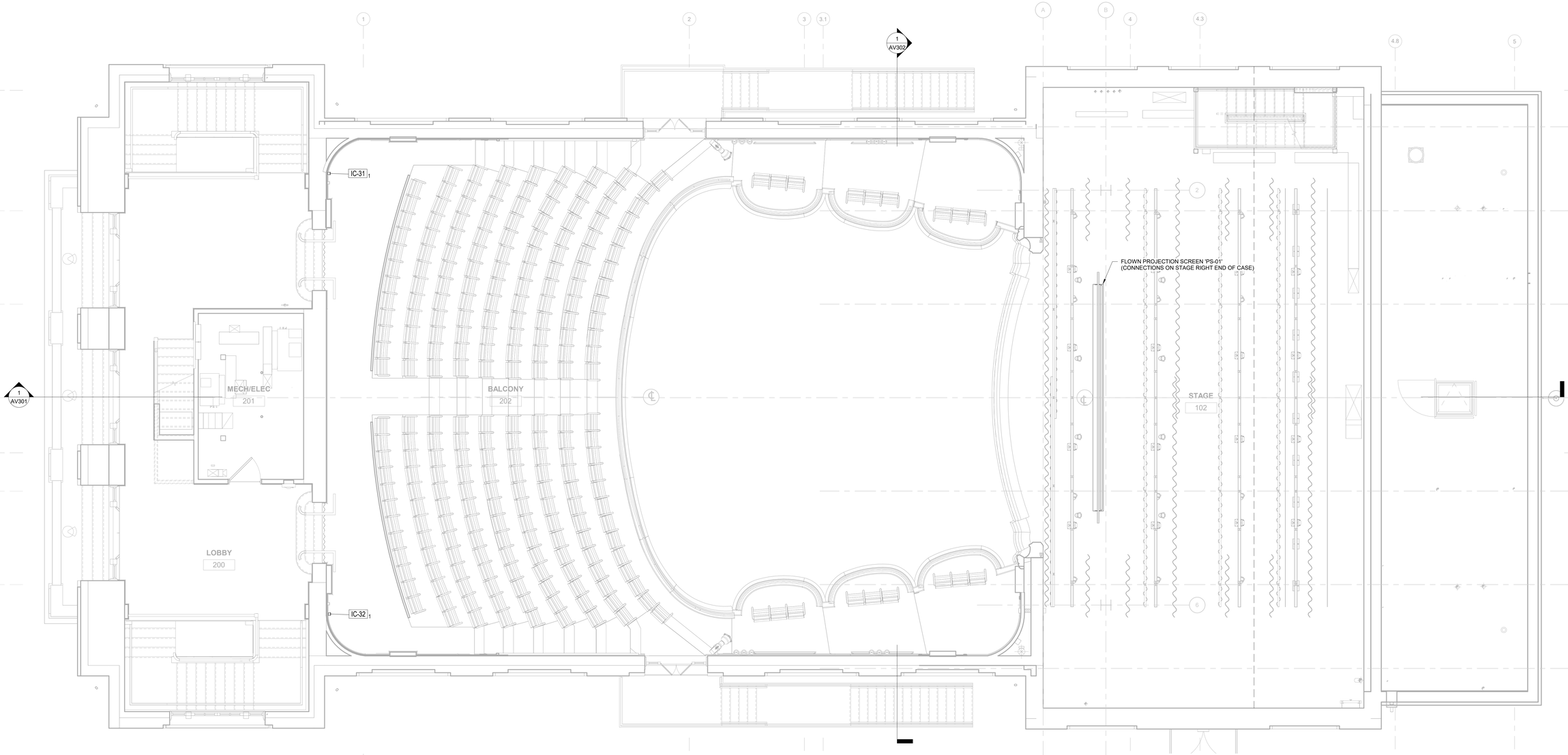

1 AV102 BALCONY LEVEL AV PLAN
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV102

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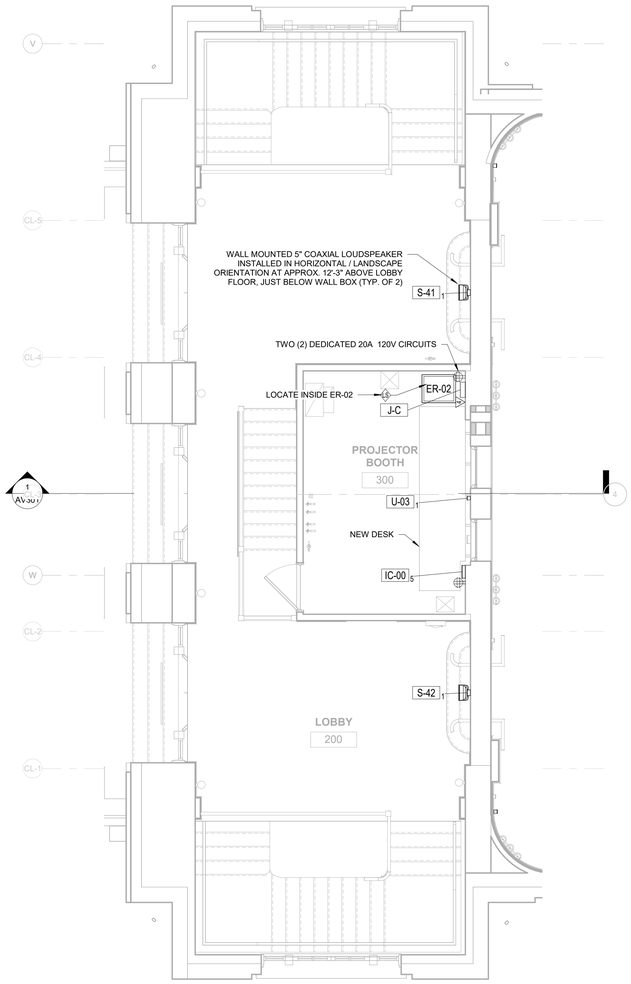
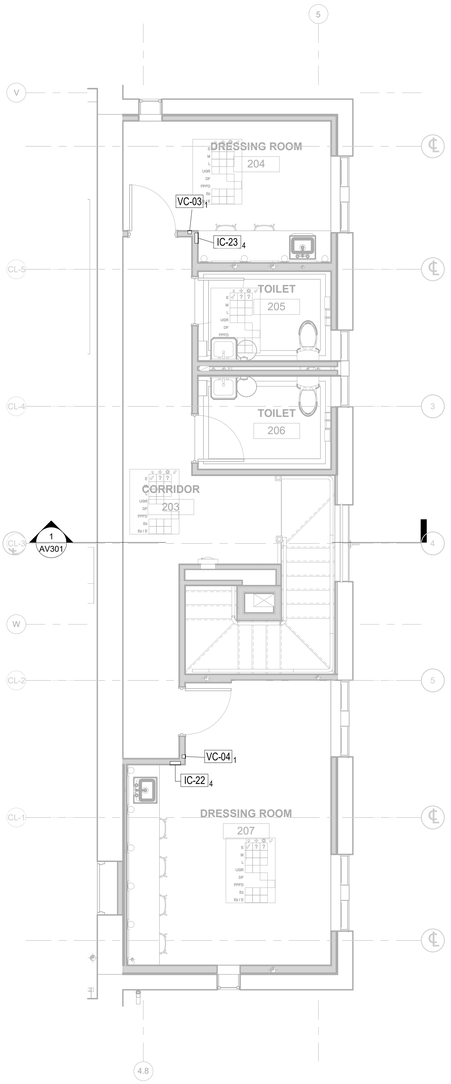
VA FORM 08 - 6231



1 AV103 ENLARGED AV PLAN - PROJECTOR BOOTH
1/4" = 1'-0"



2 AV103 BACK LEVEL 2 AV PLAN
1/4" = 1'-0"

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

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Project Number: 621-24-103

Building Number: 35

Drawing Number: AV103

VA FORM 08 - 6231

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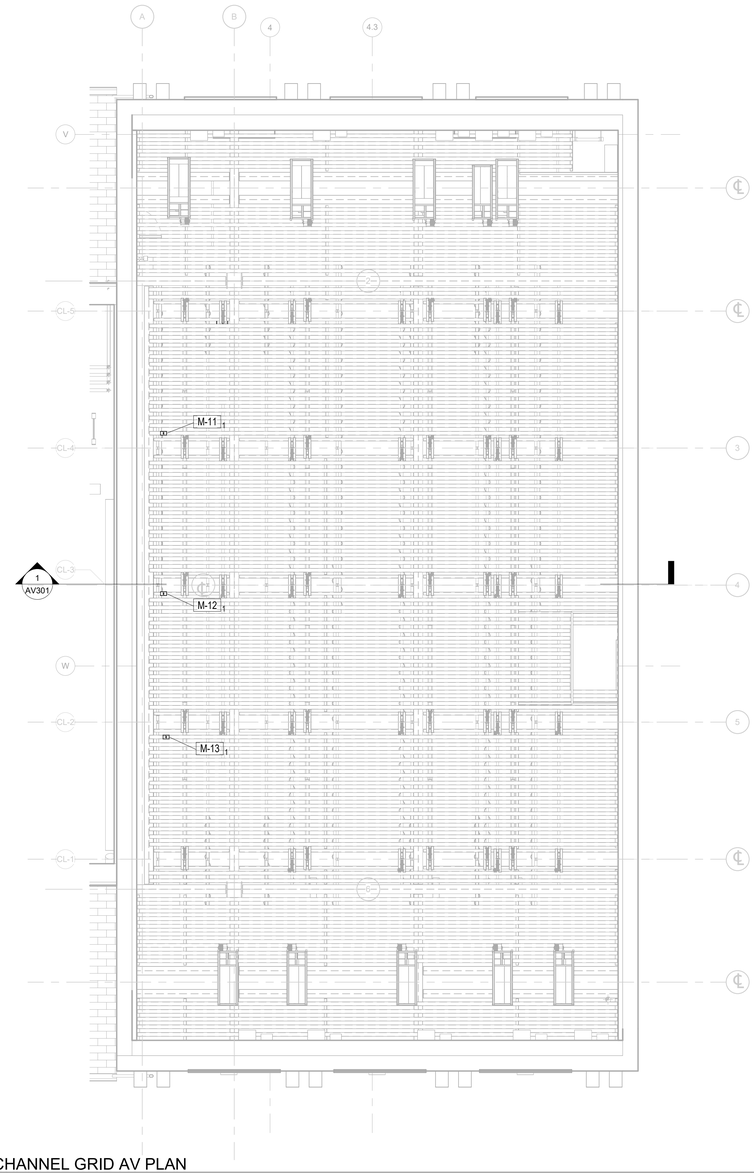

1 AV104 CHANNEL GRID AV PLAN
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV104

VA FORM 08 - 6231

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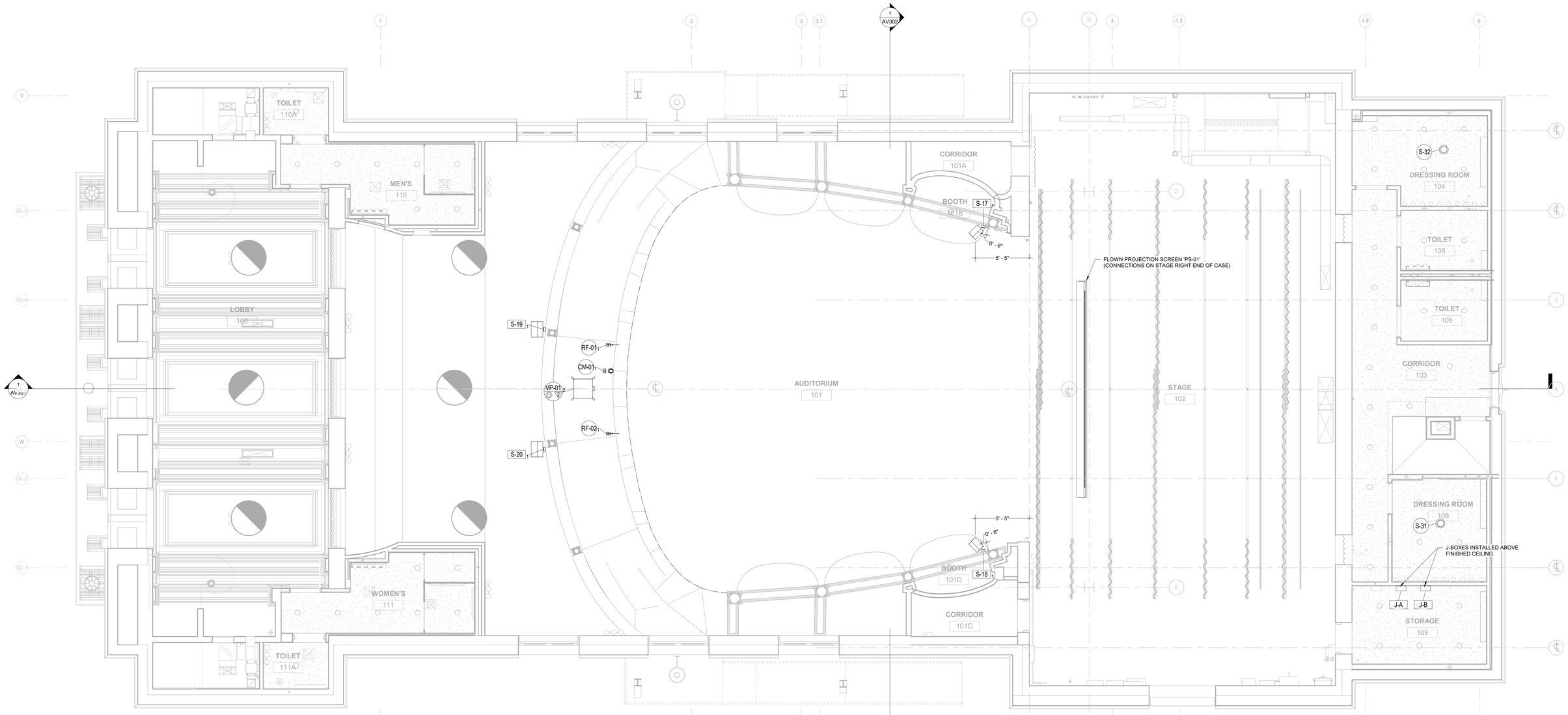

1 AV201 FIRST FLOOR AV RCP
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: REFLECTED CEILING PLANS

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV201

VA FORM 08 - 6231

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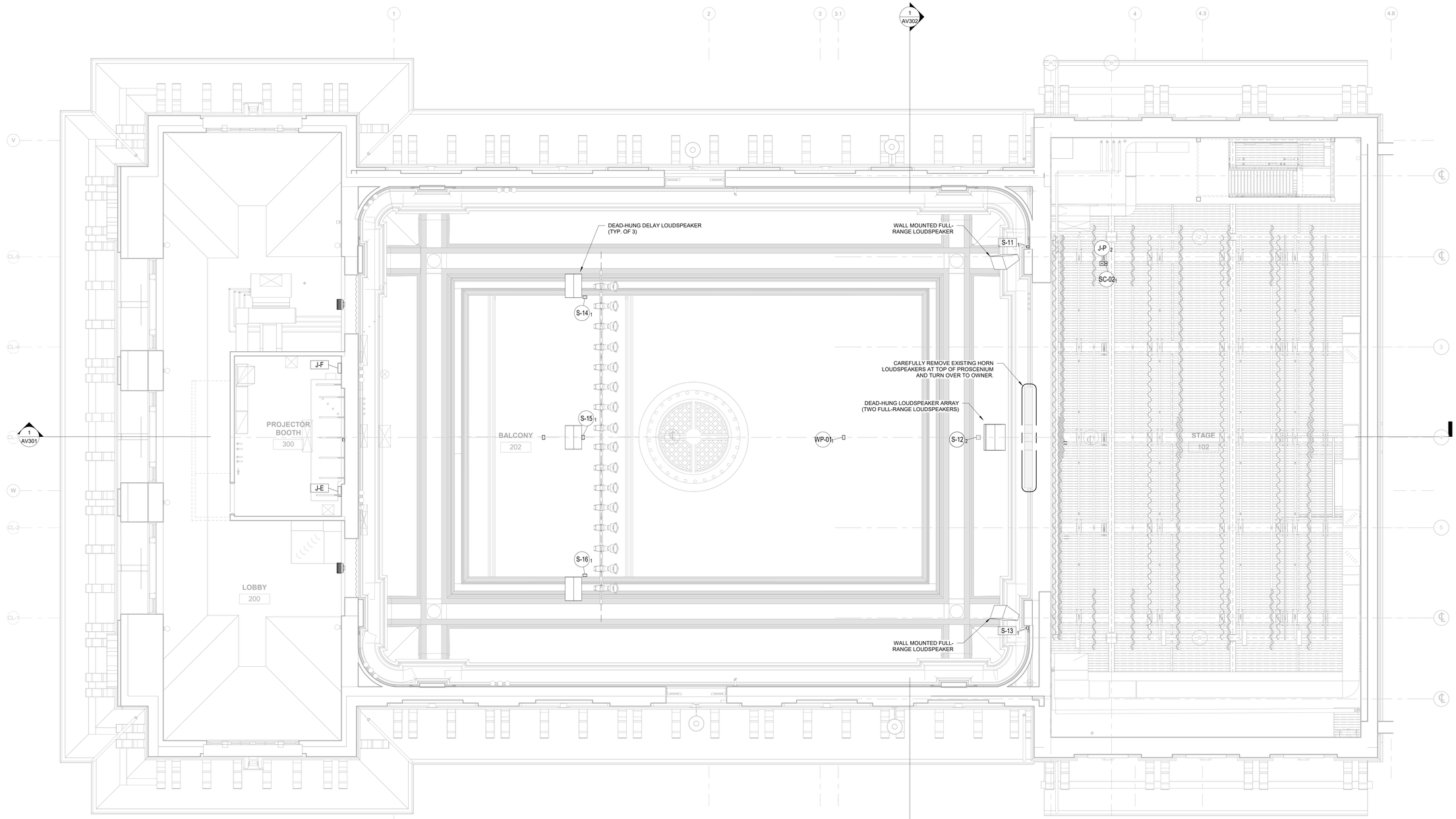

1 AV202 SECOND FLOOR AV RCP
1/4" = 1'-0"

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	BID DOCUMENTS	07/01/2025

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Drawing Title: REFLECTED CEILING PLANS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV202

VA FORM 08 - 6231

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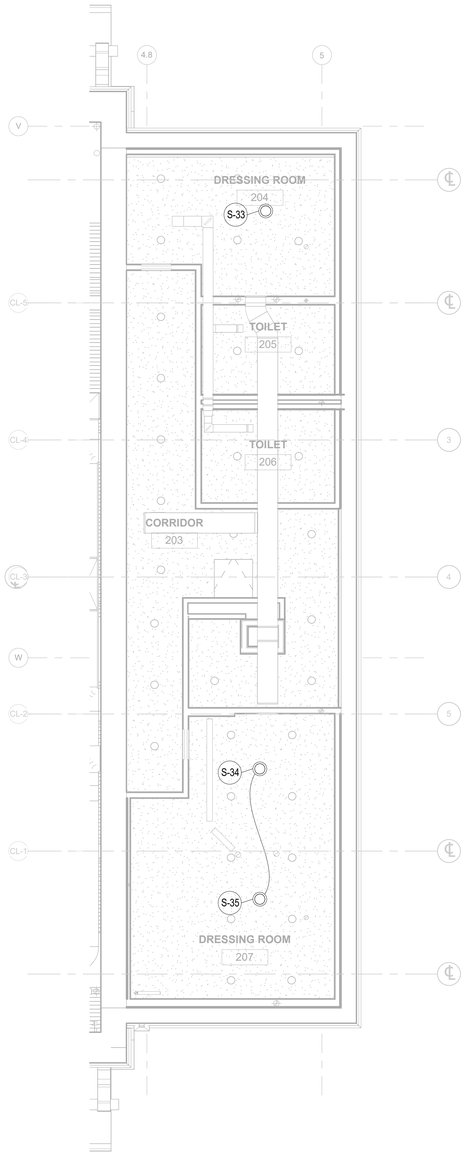

1 AV203 BACK LEVEL 2 AV RCP
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV203

VA FORM 08 - 6231

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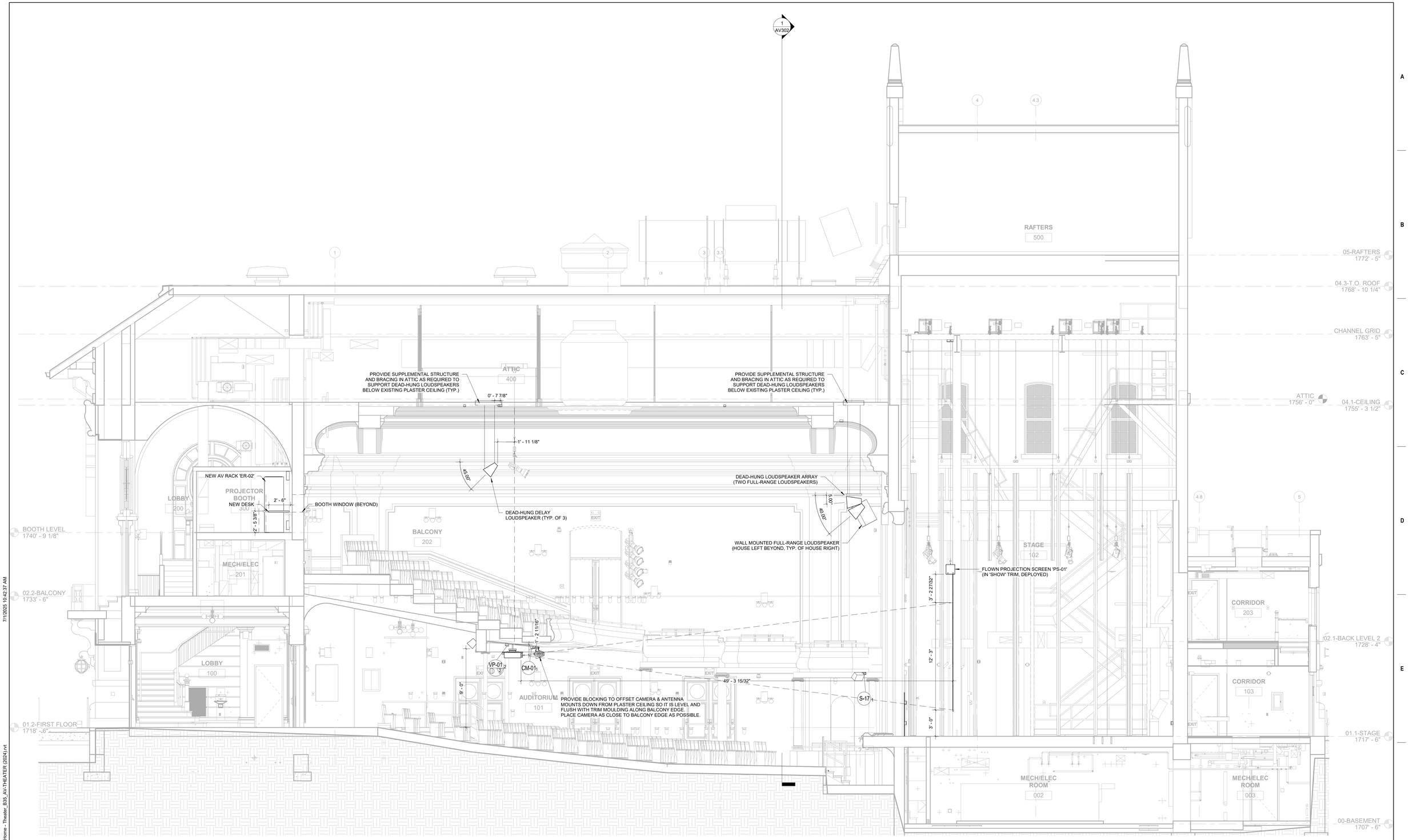

1 AV301 AUDITORIUM SECTION - AV
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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			Building Number: 35
Approved: U.S. Department of Veterans Affairs	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: AV301
		Issue Date: 07/01/2025 · Checked: NTS · Drawn: PAL	

VA FORM 08 - 6231

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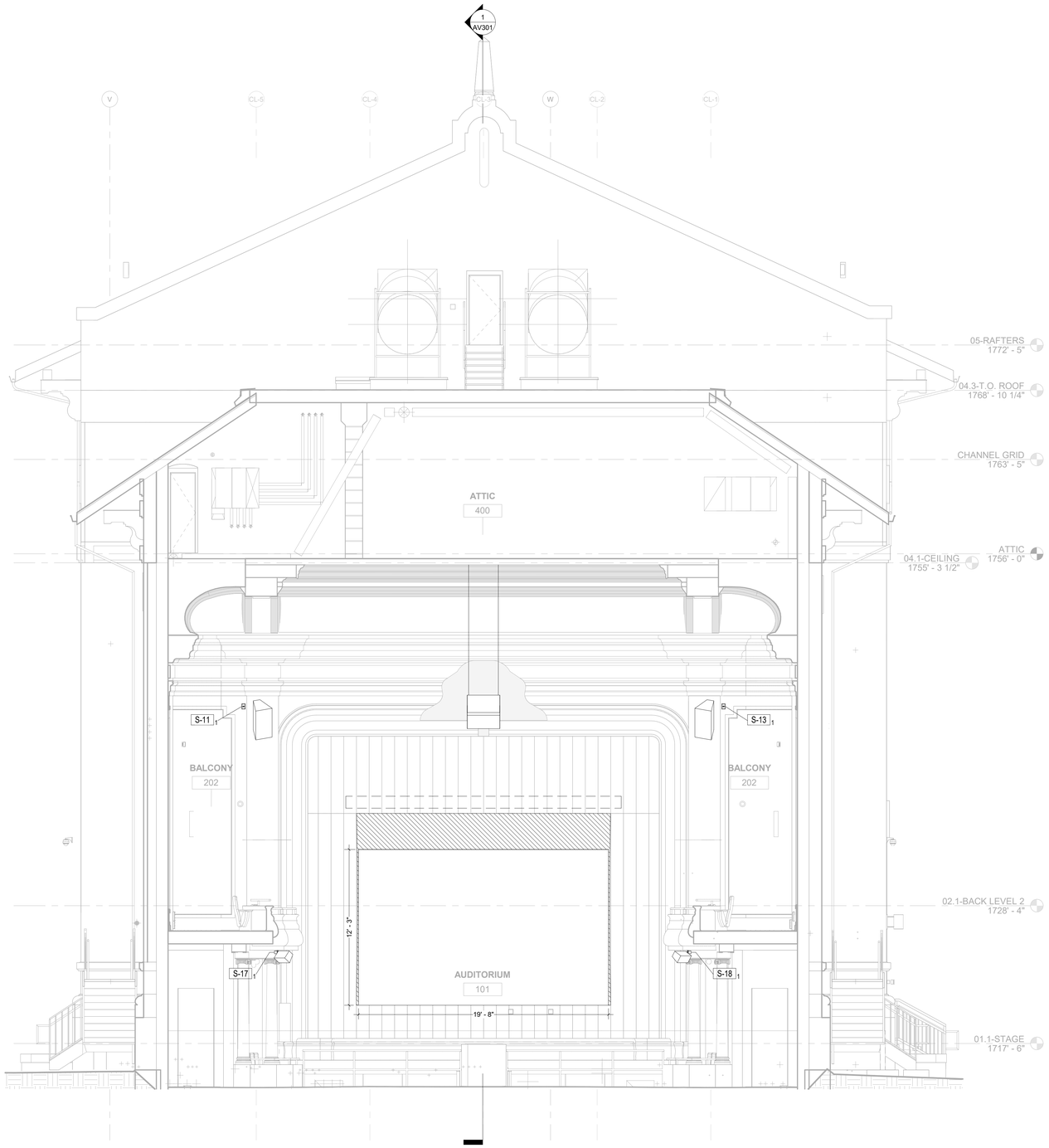

1 AV302 SECTION LOOKING AT STAGE (AV)
1/4" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: SECTIONS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV302

VA FORM 08 - 6231

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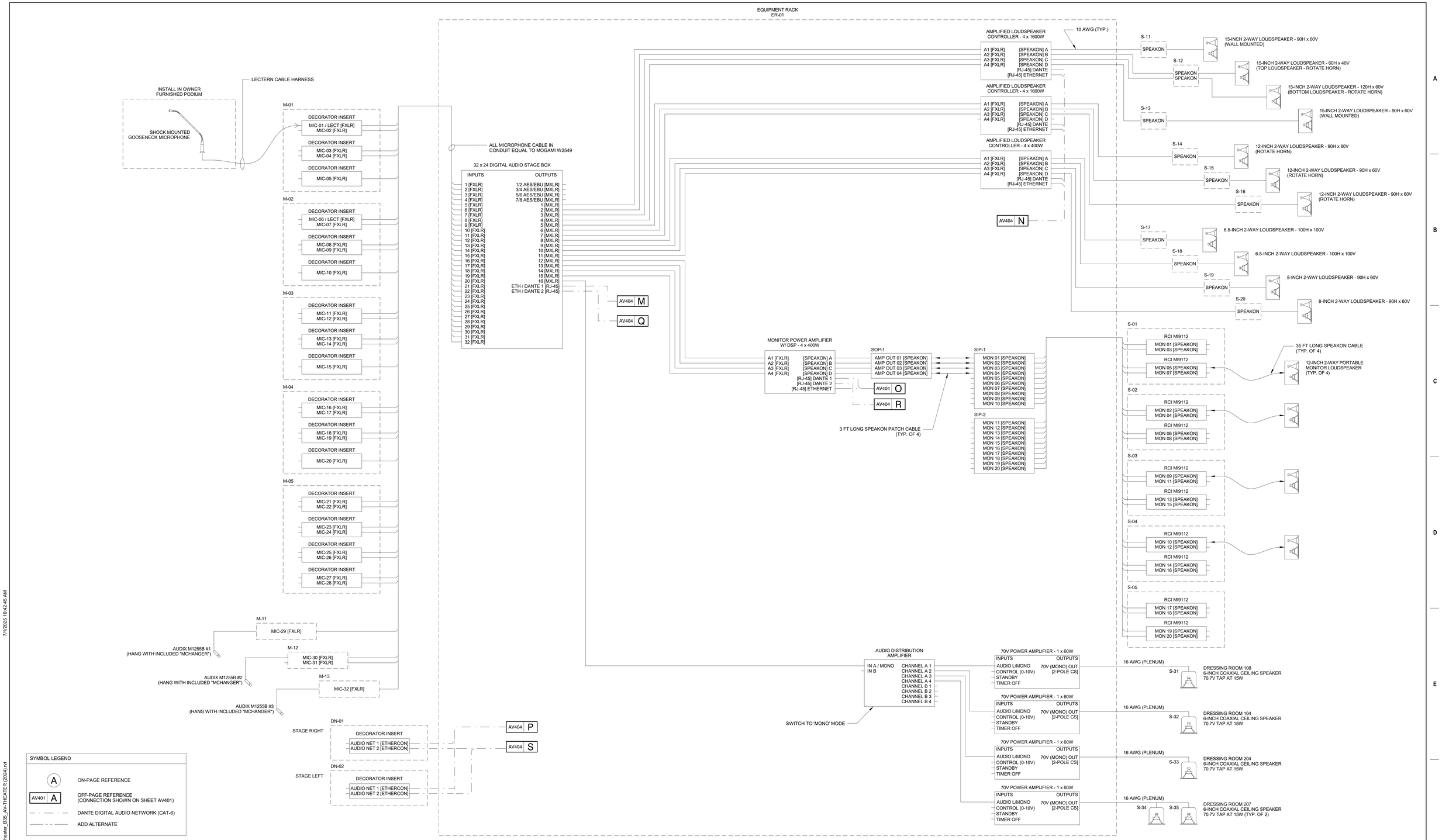

1 AV401 AUDITORIUM AUDIO SYSTEM - ER-01
N.T.S.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: BLOCK DIAGRAMS
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: AV401

VA FORM 08 - 6231

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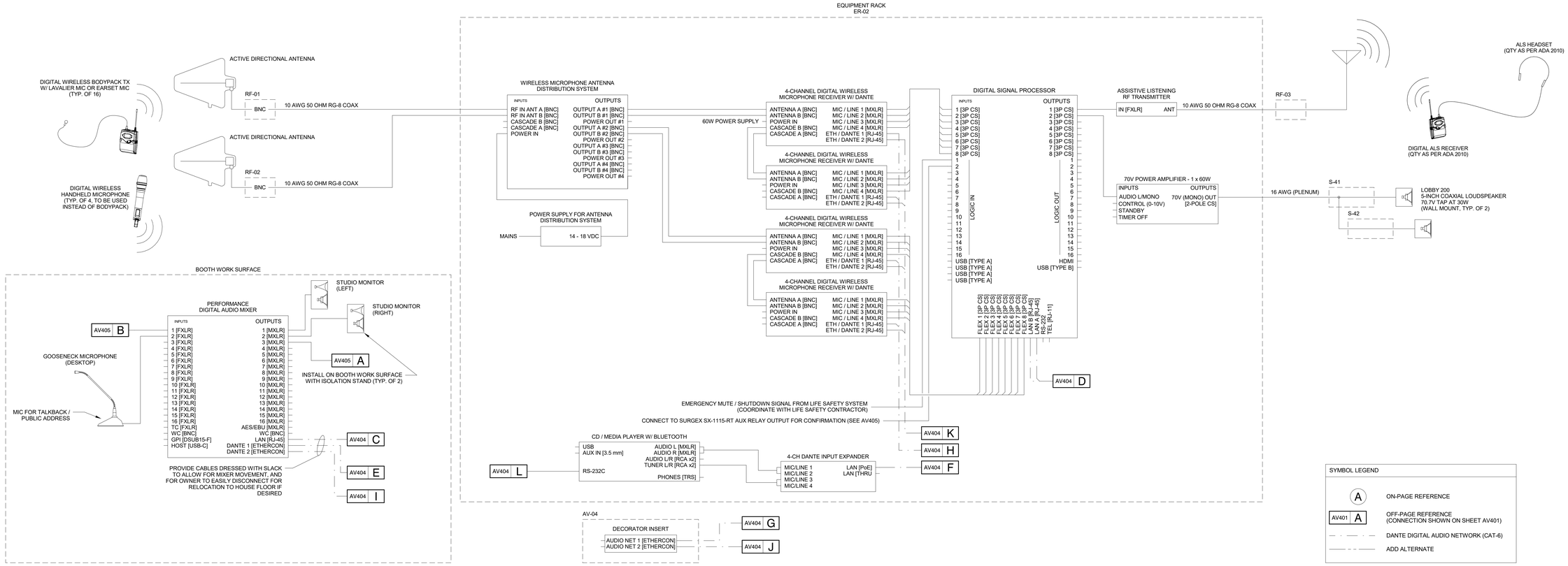

1 AV402 AUDITORIUM AUDIO SYSTEM - ER-02
N.T.S.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: BLOCK DIAGRAMS
Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS
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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: AV402

VA FORM 08 - 6231

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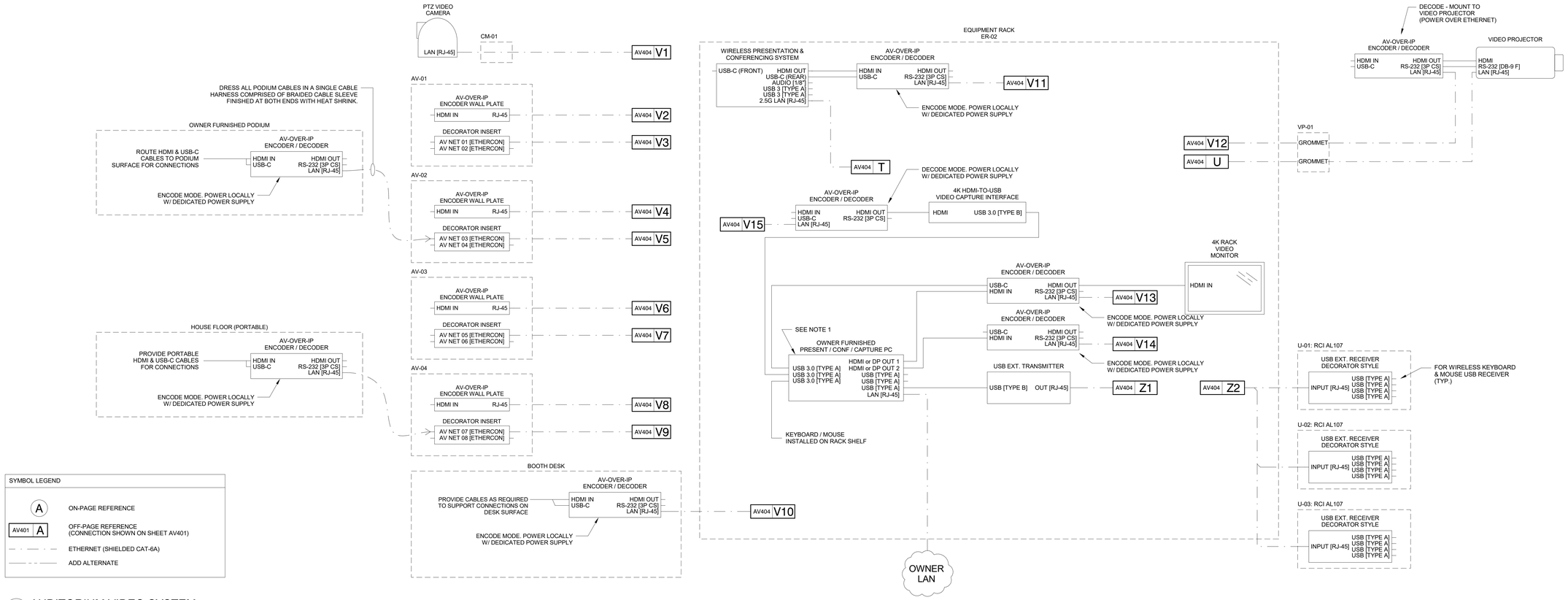

1 AV403 AUDITORIUM VIDEO SYSTEM
N.T.S.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: BLOCK DIAGRAMS
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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: AV403

VA FORM 08 - 6231

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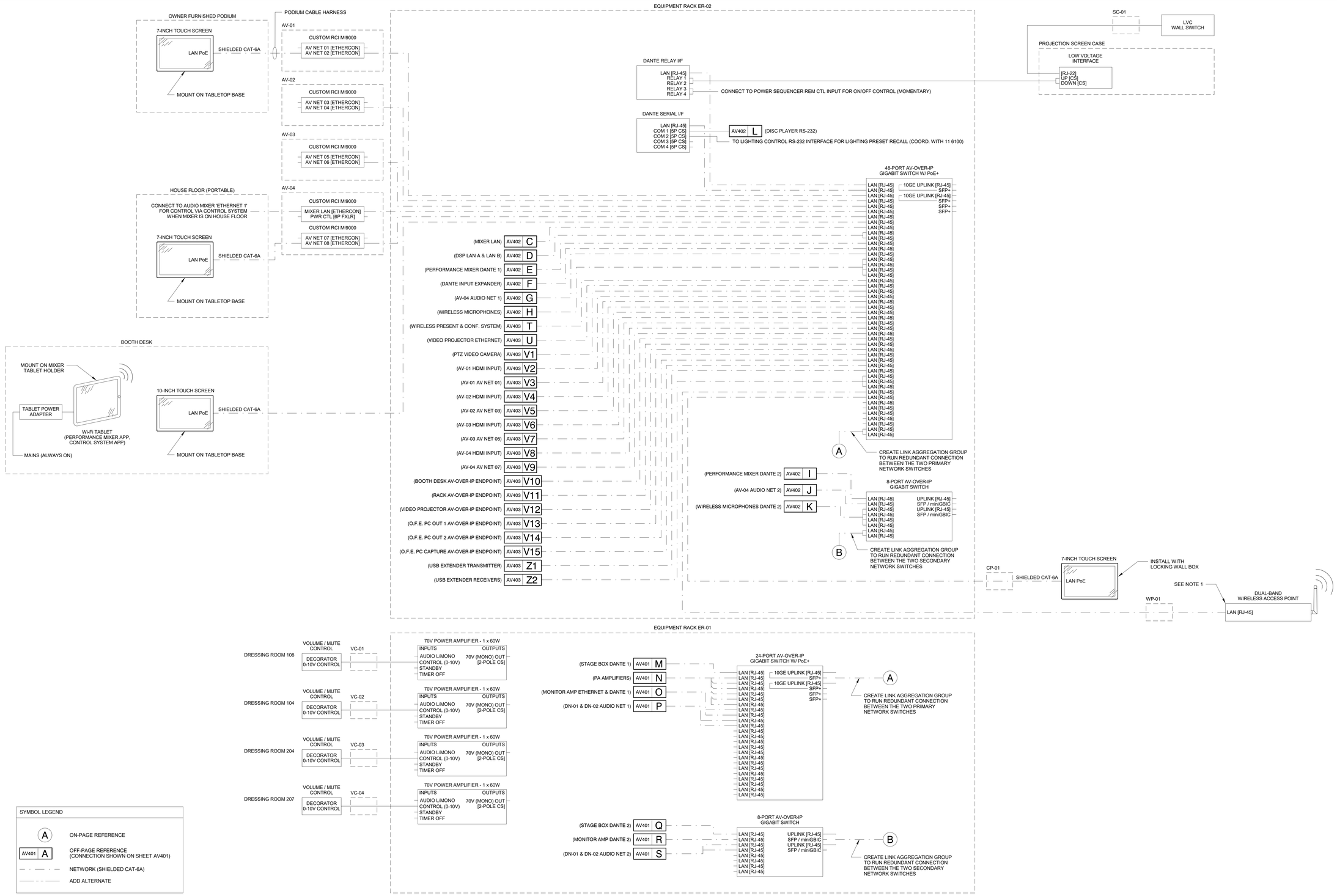

1 AV404 / N.T.S.

AUDITORIUM AUDIO-VISUAL CONTROL SYSTEM

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: BLOCK DIAGRAMS

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Phase: BID DOCUMENTS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV404

VA FORM 08 - 6231

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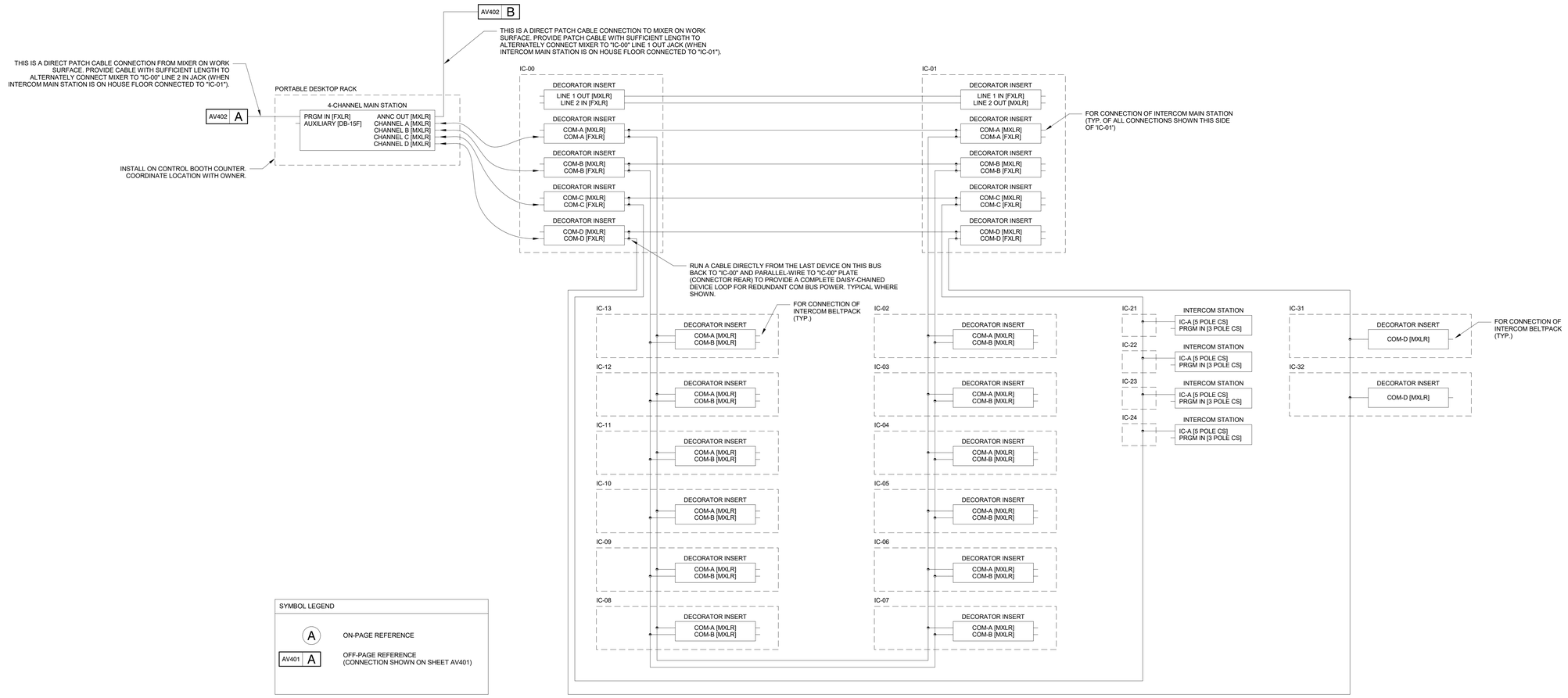

1 AV405 AUDITORIUM PRODUCTION INTERCOM SYSTEM
N.T.S.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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Drawing Title: BLOCK DIAGRAMS
Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS
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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL

Project Number: 621-24-103
Building Number: 35
Drawing Number: AV405

VA FORM 08 - 6231

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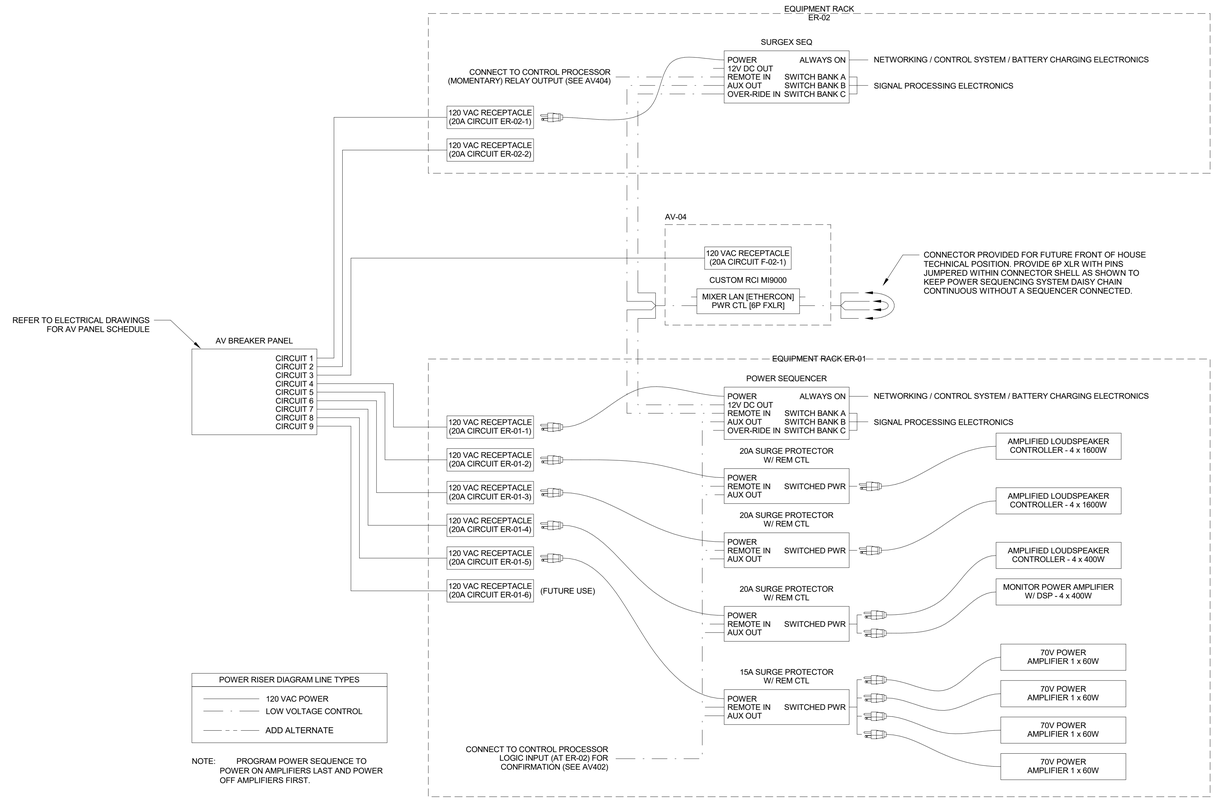

NOTE: PROGRAM POWER SEQUENCE TO POWER ON AMPLIFIERS LAST AND POWER OFF AMPLIFIERS FIRST.

1 / AV406 AUDITORIUM AUDIO-VISUAL SYSTEM POWER RISER
N.T.S.

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Drawing Title: BLOCK DIAGRAMS

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Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025 | Checked: NTS | Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV406

VA FORM 08 - 6231

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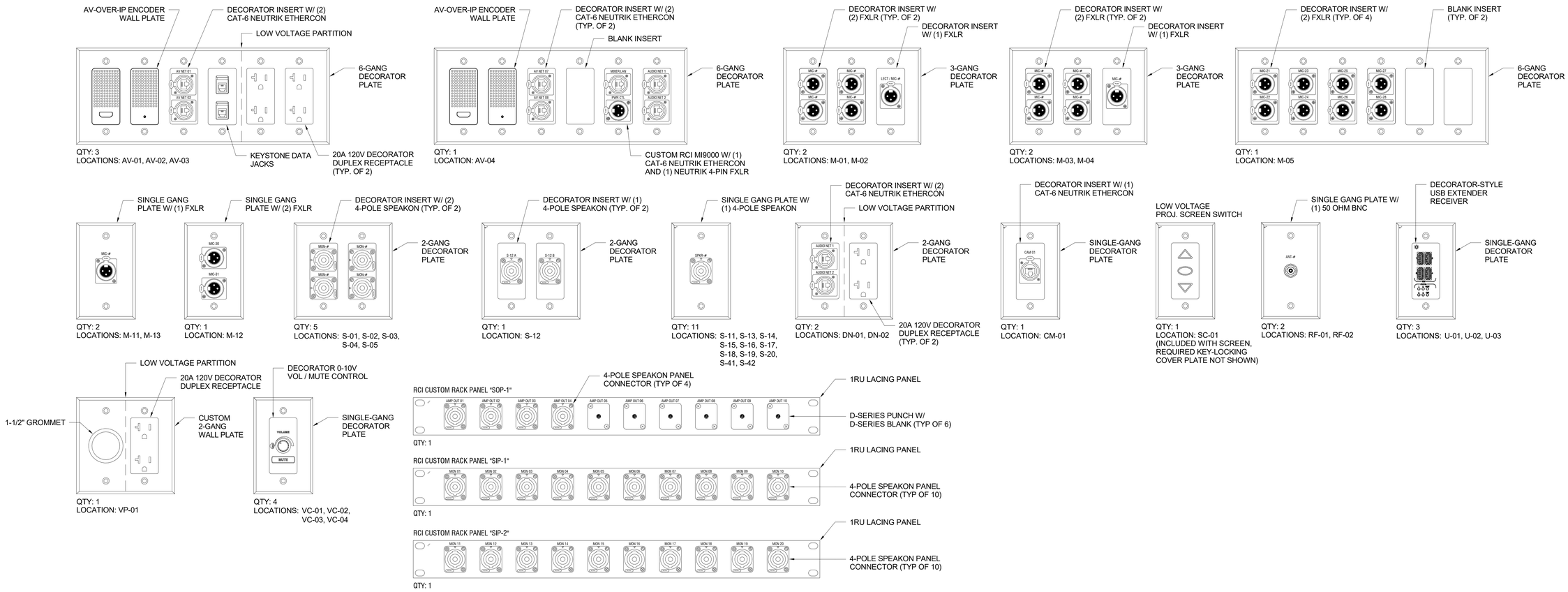
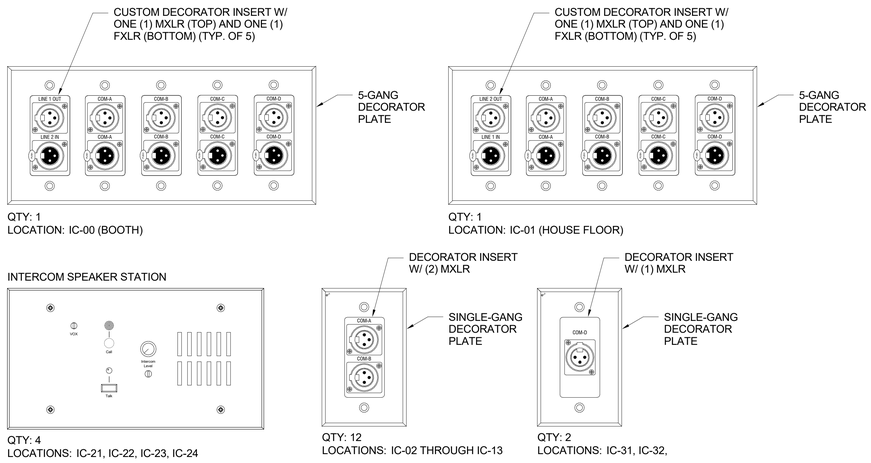


1 AV501 AUDIO-VISUAL SYSTEM - PLATES / INTERFACES
6" = 1'-0"



2 AV501 PRODUCTION INTERCOM SYSTEM - PLATES / INTERFACES
6" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT
HEAPY
PROJECT NO.

ARCHITECT/ENGINEER OF RECORD
FFE Engineering & Architecture
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STAMP

JAMES H. QUILLEN VA MEDICAL CENTER
VA U.S. Department of Veterans Affairs

Drawing Title: AUDIO-VISUAL DETAILS
Approved: U.S. Department of Veterans Affairs
Phase: BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER
Location: MT. HOME, TENNESSEE
Issue Date: 07/01/2025
Checked: NTS
Drawn: PAL
Project Number: 621-24-103
Building Number: 35
Drawing Number: AV501

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
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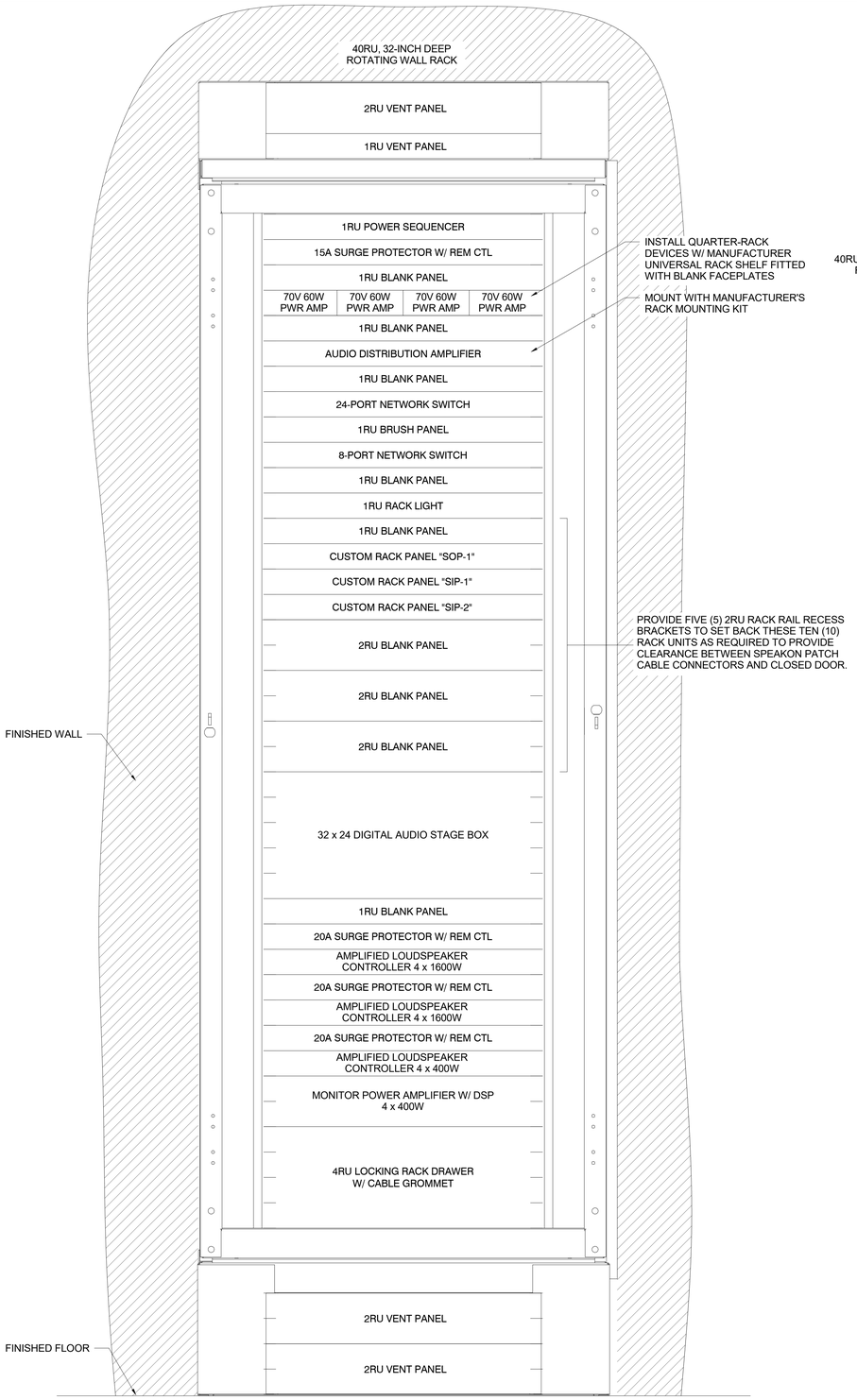
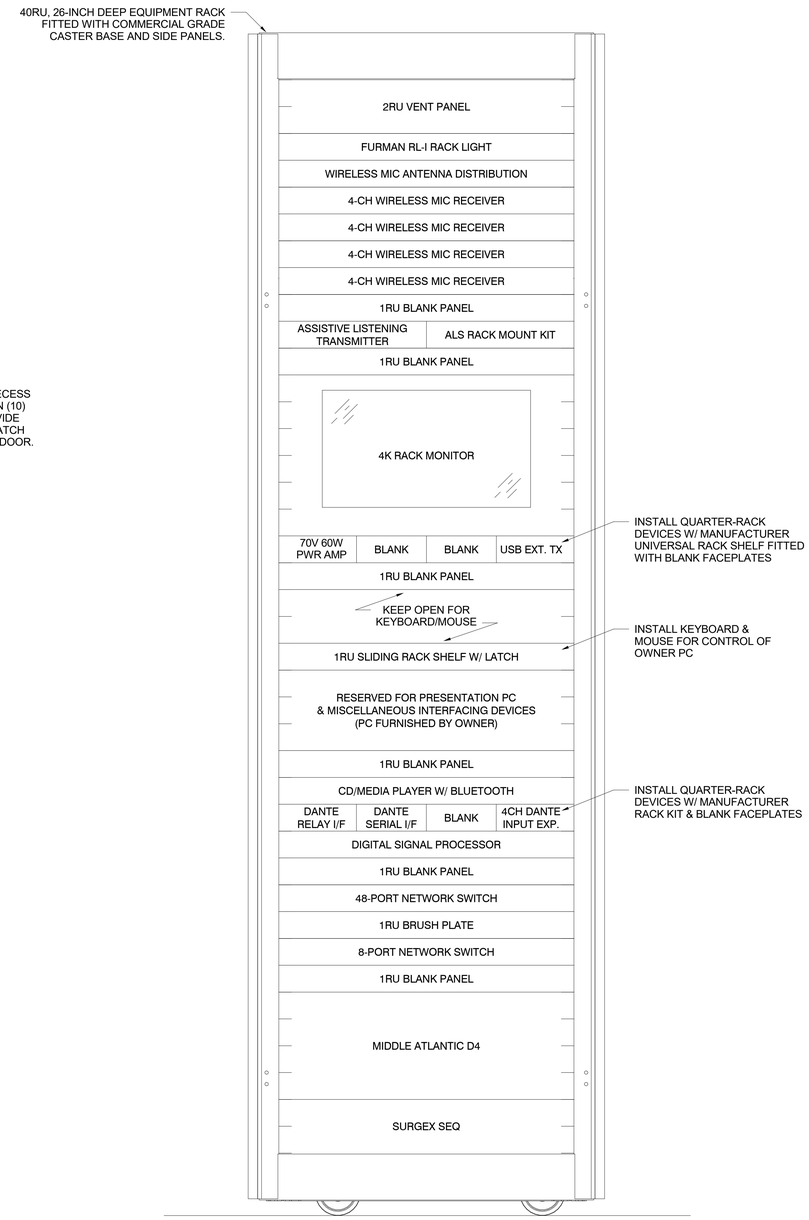
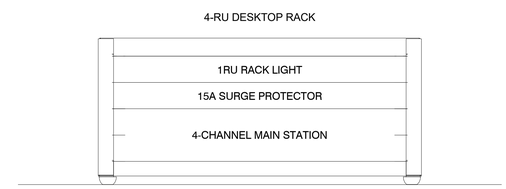


1 AV502 EQUIPMENT RACK ER-01 (STORAGE 109)
3" = 1'-0"



2 AV502 EQUIPMENT RACK ER-02 (PROJECTOR BOOTH)
3" = 1'-0"



3 AV502 PRODUCTION INTERCOM DESKTOP RACK (BOOTH OR HOUSE FLOOR)
3" = 1'-0"

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

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JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: AUDIO-VISUAL DETAILS

Approved: U.S. Department of Veterans Affairs

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Issue Date: 07/01/2025

Checked: NTS

Drawn: PAL

Project Number: 621-24-103

Building Number: 35

Drawing Number: AV502

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Restoration of B35 Theater/ADC_Mt Home - Theater_B35_AV-THEATER (2024).rvt
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ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AAHX	AIR TO AIR HEAT EXCHANGER
AAV	AUTOMATIC AIR VENT
AB	AIR BLENDER
ACC	AIR COOLED CONDENSER
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
ACD	AUTOMATIC CONTROL DAMPER, MODULATING
ACD-TP	AUTOMATIC CONTROL DAMPER, TWO POSITION
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFCV	AIR FLOW CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AFW	AIR FOIL WHEEL (FAN)
AHU	AIR-HANDLING UNIT
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AQST	AQUASTAT
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AW	AIR WASHER
AXF	AXIAL FLOW
B	BOILER
BD	BUTTERFLY DAMPER
BDD	BACKDRAFT DAMPER
BDR	BASE BOARD RADIATOR
BFP	BACKFLOW PREVENTER
BFT	BOILER PLANT FIRE TUBE
BG	BOTTOM GRILLE
BHP	BRAKE HORSEPOWER
BHW	HOT WATER HEATING BOILER
BHX	BOILER BLOWDOWN HEAT EXCHANGER
BIW	BACKWARD INCLINED WHEEL (FAN)
BMT	BONE MARROW TRANSPLANT
BR	BOTTOM REGISTER
BSC	BIOLOGICAL SAFETY CABINETS
BT	BLOWOFF TANK
BTC	BLOWOFF TANK CONTROL VALVE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWT	BOILER PLANT WATER TUBE
C	CENTIGRADE (CELSIUS)
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE DRAIN
CD	CEILING DIFFUSER
CD-1	CONSTRUCTION DOCUMENTS (SUBMISSION1)
CD-2	CONSTRUCTION DOCUMENTS (SUBMISSION2)
CENT	CENTRIFICAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CFP	CHEMICAL FEED PUMP
CG	CEILING GRILLE
CH	CHILLER
CHP	CHILLED WATER PUMP
CHW	CHILLER WATER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CI	CAST IRON
CM	CARBON MONOXIDE
CM	CUBIC METER
CMS	CUBIC METER PER SECOND
CO	CLEAN OUT
CO2	CARBON DIOXIDE
COMP	COMPRESSOR UNIT
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CS	CONDENSATE STORAGE TANK
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CW	COLD WATER (POTABLE)
CWCC	CHILLED WATER COOLING COIL
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN (TO COOLING TOWER)
CWS	CONDENSER WATER SUPPLY (FROM COOLING TOWER)
D	DAMPER - AUTOMATIC
Db	DRY-BULB TEMPERATURE
DB	DECIBELS
DCW	DOMESTIC COLD WATER
DD-1	DESIGN DEVELOPMENT (SUBMISSION 1)
DD-2	DESIGN DEVELOPMENT (SUBMISSION 2)
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DF	DIFFUSER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DIA	DIAMETER
DIW	DEIONIZED WATER
DP	DEW POINT TEMPERATURE
DP	DIFFUSER PLATE
DPA	DIFFERENTIAL PRESSURE ASSEMBLY
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
DXCC	DIRECT EXPANSION COOLING COIL
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	EVAPORATIVE COOLER
ECC	ENGINEERING CONTROL CENTER
ECU	EVAPORATIVE CONDENSER UNIT
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EGS	EMERGENCY GAS SHUTOFF
EGT	ENTERING GLYCOL TEMPERATURE
EH	EXHAUST HOOD
EJ	EXPANSION JOINT
EMD	END OF MAIN DRIP (STEAM)
ENT	ENTERING
ER	EXHAUST REGISTER
ERC	ELECTRIC REHEAT COIL
ERP	ELECTRIC RADIANT PANEL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETO	ETHYLENE OXIDE
EUH	ELECTRIC UNIT HEATER
EWC	EVAPORATIVE WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING

NOTE:
ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS. ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
FSDPR	COMBINATION FIRE SMOKE DAMPER
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT (4 PIPE)
FCUC	FAN COIL UNIT COOLING ONLY
FCUH	FAN COIL UNIT HEATING ONLY
FCW	FORWARD CURVED WHEEL (FAN)
FD	FLOOR DRAIN
FD	FIRE DAMPER
FF	FINAL FILTER
FHX	FLUE GAS/FEEDWATER HEAT EXCHANGER
FM	FLOW METER
FOP	FUEL OIL PUMP
FOT	FUEL OIL TANK
FOHX	FUEL OIL HEAT EXCHANGER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPTU	FAN POWERED TERMINAL UNIT
FR	FLOOR REGISTER
FRP	FIBER REINFORCED POLYESTER
FS	FLOW SWITCH
FSTAT	FREEZESTAT
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
FTR	FIN TUBE RADIATION
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GH	GRAVITY HOOD
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GS	GALVANIZED STEEL
H	HUMIDIFER
HAC	HOUSEKEEPING AID CLOSET
HB	HOSE BIBB
HC	HEATING COIL
HD	HOOD
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HPDT	HIGH PRESSURE DRIP TRAP
HPR	HIGH PRESSURE RETURN (STEAM CONDENSATE)
HPS	HIGH PRESSURE SUPPLY (STEAM)
HRC	HEAT RECOVERY COIL
HRD	HEAT RECOVERY DEVICE
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HSTAT	HUMIDISTAT
HTM	HUMIDIFIER TERMINAL
HUM	HUMIDIFIER UNIT MOUNTED
HVU	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWC	HOT WATER COIL
HWHC	HOT WATER HEATING COIL
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HWUH	HOT WATER UNIT HEATER
HVD	HOISTWAY VENT DAMPER
HX	HEAT EXCHANGER
HZ	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IBT	INVERTED BUCKET TRAP
ICF	IN-LINE CENTRIFUGAL FAN
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
IPLV	INTERGRATED PART LOAD VALUE
IRH	INTRARED HEATER
IS	INSECT SCREEN
IU	INDUCTION UNIT
IV	INLET VANES
J	INTENTIALLY LEFT BLANK
KG	KILOGRAM
KG/HR	KILOGRAM PER HOUR
KPa	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
L	LITER
L/h	LITERS PER HOUR (or LITERS/HOUR)
L/m	LITERS PER MINUTE (or LITERS/MINUTE)
L/s	LITERS PER SECOND (or LITERS/SECOND)
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LGT	LEAVING GLYCOL TEMPERATURE
LH	LATENT HEAT
LPG	LIQUEFIED PETROLEUM GAS
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPRC	LOW PRESSURE STEAM RETURN (CLEAN)
LLHX	LIQUID TO LIQUID HEAT EXCHANGER
LPS	LOW PRESSURE STEAM
LPSC	LOW PRESSURE STEAM (CLEAN)
LSD	LINEAR SLOT DIFFUSER
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	METER, SI UNIT
M/S	METERS PER SECOND (OR METERS/SECOND)
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	1,000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MH	MANHOLE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOV	MOTOR OPERATED VALVE
MPR	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)
MPS	MEDIUM PRESSURE STEAM
MRI	MAGNETIC RESONANCE IMAGING
MTD	MEAN TEMPERATURE DIFFERENCE
MVD	MANUAL VOLUME DAMPER
MZ	MULTI-ZONE
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NG	NATURAL GAS
NGFM	NATURAL GAS FLOWMETER
Nm	NEWTON METER
NO	NORMALLY OPEN
NOAA	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
NTS	NOT TO SCALE

OA	OUTSIDE AIR
OAD	OUTDOOR AIR DAMPER
OAG	OUTSIDE AIR GRILLE
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OFM	OIL FLOWMETER
OR	OPERATING ROOM
P	PUMP
Pa	PASCAL
PC	PUMPED CONDENSATE
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PEF	PROPELLER (TYPE) EXHAUST FAN
PF	PRE-FILTER
PG	PRESSURE GAGE
PGW	PROPYLENE GLYCOL-WATER (SOLUTION)
PHC	PREHEAT COIL
PPM	PARTS PER MILLION
PRS	PRESSURE REGULATING (VALVE) STATION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PSS	PRIMARY SECONDARY SYSTEM
PSV	PRESSURE SAFETY VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
R/E	RETURN OR EXHAUST
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RAF	RADIO FREQUENCY
RAHX	ROTARY AIR HEAT EXCHANGER
RAT	RETURN AIR TEMPERATURE
RCCH	REMOTE CONDENSER CHILLER
RCU	RECIPROCATING CHILLER UNIT
RD	REFRIGERANT DISCHARGE
RDS	ROOM DATA SHEETS
REA	RELIEF AIR
RELAD	RELIEF AIR DAMPER
RF	RETURN FAN
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID LINE
RLA	RUN LOAD AMPERE
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SA	SUPPLY AIR
SAD	SOUND ATTENUATING DEVICE
SAT	SUPPLY AIR TEMPERATURE
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCI	SPINAL CODE INJURY
SCR	SILICON CONTROLLED RECTIFIER
SD	SMOKE DETECTOR
SD	SUPPLY AIR DIFFUSER
SD-1	SCHEMATIC DESIGN (SUBMISSION1)
SD-2	SCHEMATIC DESIGN (SUBMISSION2)
SDPR	SMOKE DAMPER
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SEN	SENSIBLE HEAT
SF	SUPPLY FAN
SG	SUPPLY AIR GRILLE
SH	STEAM HUMIDIFIER
SHC	STEAM HEATING COIL
SI	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPD	SUPPLY PROCESS AND DISTRIBUTION
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SQ FT	SQUARE FOOT (FEET)
SR	SUPPLY AIR REGISTER
SS	STAINLESS STEEL
SSHX	STEAM TO STEAM HEAT EXCHANGER
SSR	SOLID SEPARATOR
ST	STEAM TRAP
SUH	STEAM UNIT HEATER
SV	STEAM PRESSURE REDUCING VALVE
SVS	STEAM VENT SILENCER
SW	SOFTWATER
SWHX	STEAM TO WATER HEAT EXCHANGER
T&PCV	TEMPERATURE AND PRESSURE CONTROL VALVE
TAB	TESTING, ADJUSTING, BALANCE
TD	TEMPERATURE DIFFERENCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TG	TRANSFER GRILLE
TP	TRAP
TR	TOP REGISTER
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
TWU	THRU-WALL UNIT
UC	UNDER CUT
UC	UNIT COOLER
UH	UNIT HEATER
U	UNDERWRITERS LABORATORY
URV	UPBLAST UNIT VENTILATOR
V	VALVE
VAF	VANE-AXIAL FAN
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
VHA	VETERANS HEALTH ADMINISTRATION
VI	VIBRATION ISOLATOR
VP	VACUUM PUMP
VPS	VARIABLE PRIMARY SYSTEM
VR	VACUUM (STEAM CONDENSATE) RETURN
VSD	VARIABLE SPEED DRIVE
VUH	VERTICAL UNIT HEATER
W	WATTS
WAG	WASTE ANETHESIA GAS
Wb	WET-BULB (TEMPERATURE)
WC	WATER COOLED
WCCH	WATER COOLED CHILLER
WCCU	WATER COOLED CONDENSING UNIT
WCHP	WATER COOLED HEAT PUMPS
WCPU	WATER COOLED PACKAGED UNIT
WEF	WALL EXHAUST FAN
WF	WATER FILTER
WFCV	WATER FLOW CONTROL VALVE
WFM	WATER FLOWMETER
WFMD	WATER FLOW MEASURING DEVICE
WG	WATER GAGE
WPD	WATER SIDE PRESSURE DROP
YR	YEAR

DRAWING SYMBOLS

2 / H4 — DETAIL NUMBER; DRAWING NUMBER WHERE DRAWN

A / H7 — SECTION LETTER; DRAWING NUMBER WHERE SHOWN

26-SF 3 — BUILDING NO. WHERE EQUIPMENT IS LOCATED; EQUIPMENT ABBREVIATION (SUPPLY FAN); SUPPLY FAN NO. 3 IN BUILDING NO. 26

TYPICAL UNIT NO.

26-TU-I-I — BUILDING NO. WHERE EQUIPMENT IS LOCATED; ITEM (TERMINAL UNIT SHOWN); ITEM NUMBER (TERMINAL UNIT NO. 1); SERVED BY AIR HANDLER UNIT NO. 1

TERMINAL UNIT SYMBOLS

UNIT HEATER (HORIZONTAL)

2x2' RADIANT CEILING PANEL

AIR TERMINAL SYMBOLS

TERMINAL UNIT WITH REHEAT COIL

FIRE RATING SYMBOLS

2 HOUR RATED PARTITION

CONTROLS SYMBOLS

T	ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT
M	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT
TT	TEMPERATURE TRANSMITTER
TT	TEMPERATURE TRANSMITTER, AVERAGING ELEMENT
MT	MOISTURE (HUMIDITY) TRANSMITTER
PT	PRESSURE TRANSMITTER
SPS	STATIC PRESSURE SENSOR
FT	FLOW TRANSMITTER
IT	CURRENT TRANSMITTER
SD	SMOKE DETECTOR
PDT	PRESSURE DIFFERENTIAL TRANSMITTER
PDS	PRESSURE DIFFERENTIAL SWITCH
HS	HAND SWITCH (HAND-OFF-AUTO SWITCH)
MG	MAGNEHLIC PRESSURE GAUGE
	TEMPERATURE SENSING ELEMENT FOR TRANSMITTING TEMPERATURE TO EMCS (PROVIDE 12 INCHES [200mm] MINIMUM LENGTH IN DUCT WHEN SPACE PERMITS.)
A	SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO EMCS
	MOTOR STARTER
CP	CONDENSATE PUMP
ES	END SWITCH
M	ELECTRIC OPERATED CONTROL DAMPER/OR VALVE
T	STEAM TRAP
(FC)	FAIL CLOSED
(FO)	FAIL OPEN
(FLP)	FAIL LAST POSITION

DUCTWORK SYMBOLS

UP / DN	SUPPLY DUCT (UP & DOWN)
UP / DN	EXHAUST DUCT (UP & DOWN)
UP / DN	RETURN DUCT (UP & DOWN)
	SQUARE 4-WAY CEILING DIFFUSERS
	CONNECT NEW DUCT TO EXISTING DUCT
R	INCLINED RISE, IN DIRECTION OF AIR FLOW
D	INCLINED DROP, IN DIRECTION OF AIR FLOW
	LIMIT OF DEMOLITION
FC	FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION, OR SEISMIC
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	VANED ELBOW (SHORT RADIUS)
	STANDARD RADIUS ELBOW (LONG RADIUS)
10x8	NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED
	FLEXIBLE DUCTWORK (INSULATED)
	MANUAL VOLUME DAMPER
FD	FIRE DAMPER
3 / 4 / 1/2	POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERSCRIPT INDICATES NEGATIVE PRESSURE.
	AUTOMATIC CONTROL DAMPER MODULATING
	AUTOMATIC CONTROL DAMPER TWO POSITION
SD	SMOKE DETECTOR

PIPING SYMBOLS

HPS	HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG)
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM (15 PSIG AND BELOW)
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
HWS	HOT WATER HEATING SUPPLY
HWR	HOT WATER HEATING RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
D	DRAIN LINE
V	VENT LINE

GENERAL PIPING SYMBOLS

	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	ANCHOR
	REDUCER OR INCREASER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
T	THERMOMETER
	PRESSURE GAGE
FE	FLOW ELEMENT
	REFRIGERANT SIGHT GLASS
	TEST PLUG (PRESSURE/TEMPERATURE)
AV	AUTOMATIC AIR VENT
MV	MANUAL AIR VENT
C	QUICK-COUPLE HOSE CONNECTOR

VALVE SYMBOLS

	GATE VALVE - THREADED/FLANGED
	GLOBE VALVE - THREADED/FLANGED
	GATE VALVE WITH 3/4" HOSE ADAPTER
	CHECK VALVE
	WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
	WYE STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	MODULATING CONTROL VALVE
	MODULATING CONTROL BUTTERFLY VALVE
	TWO POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	THREE-WAY TWO POSITION CONTROL VALVE
	PRESSURE REGULATING VALVE
	PRESSURE SAFETY VALVE
	AUTOMATIC BALANCING CONTROL VALVE
	WATER BALANCE DEVICE
	CIRCUIT SETTER VALVE
	PLUG VALVE
	CONTROL VALVE (CV) - FLOAT-OPERATED
	PRESSURE REDUCING VALVE (PRV)
M	FLOW METER

GENERAL NOTES

1. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE HARD SUSPENDED CEILING, OR ACOUSTICAL TILE.
2. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, DAMPERS, CONTROLS, TERMINAL UNITS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS. COORDINATE LOCATION WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
3. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD EQUIPMENT DETAILS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. SEAL ALL WALL PENETRATIONS AIRTIGHT WHERE CONDUIT, PIPING, AND DUCTS PENETRATE.
7. CAULK ALL PIPE AND DUCT PENETRATION OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS. PROVIDE PROPER FIRE STOPPING ON ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
8. REQUIREMENTS FOR SIZES AND CLEARANCES FOR NEW EQUIPMENT CAN BE DIFFERENT DEPENDING ON THE MANUFACTURER. COORDINATE ALL MANUFACTURER REQUIREMENTS WITH THE LAYOUT OF THE OTHER EQUIPMENT AND UTILITIES IN SCOPE.

No.	Revisions:	Date:
	BID DOCUMENTS	07/01/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

STAMP

STATE OF OHIO — ALAN KENDRICK FITZGERALD — E-75682 — REGISTERED — PROFESSIONAL ENGINEER

JAMES H. QUILLEN VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL LEGEND

Approved: Owner

Phase: BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 35 HISTORIC THEATER

Location: MT. HOME, TENNESSEE

Project Number: 621-24-403

Building Number: 35

Drawing Number: M001

Issue Date: 07/01/2025 | Checked: KF | Drawn: KG

VA FORM 08 - 6231

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