SHEET NUMBER-

DETAIL NUMBER-

SHEET NUMBER-

X.XX

DETAIL REFERENCE OR CALL-OUT

TECHNOLOGY GENERAL NOTES:

<u>GENERAL</u>

1. ANY SHEET NOTES OR OTHER CALLOUTS IN THESE DRAWINGS THAT ASSIGN RESPONSIBILITY OF WORK TO SPECIFIC DIVISIONS ARE TO BE CONSIDERED AS A RECOMMENDATION ONLY.

2. REFER TO PROJECT MANUAL DIVISIONS 27 AND 28 FOR PROJECT SCOPE, PRODUCT SPECIFICATIONS, AND INSTALLATION REQUIREMENTS.

3. UNLESS OTHERWISE SPECIFICALLY DIMENSIONED, THESE DRAWINGS REPRESENT APPROXIMATE LOCATIONS OF DEVICES ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

4. COMPLY WITH ADA REQUIREMENTS FOR MOUNTING HEIGHTS OF DEVICES.

5. REFER TO DIVISION 26 FOR POWER AND LIGHTING REQUIREMENTS.

6. REFER TO DIVISION 23 FOR COOLING REQUIREMENTS.

7. REFER TO AV AND SECUIRTY DRAWINGS FOR SPECIFIC MOUNTING OR ELEVATION INFORMATION. WHERE BOX MOUNTING ELEVATIONS ARE NOT NOTED OR SCHEDULED, ASSUME PROJECT STANDARD RECEPTACLE AND SWITCH MOUNTING ELEVATIONS.

CONDUIT AND BOXES

1. REFER TO DIVISION 26 FOR SCOPE REQUIREMENTS RELATED TO CONDUIT, JUNCTION BOXES, AND OTHER CONDUIT TERMINAL BOXES WHERE NOT ADDRESSED SPECIFICALLY IN THESE DRAWINGS.

2. CONDUIT ROUTING ON PLANS IS DIAGRAMMATIC. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICT.

3. PROVIDE PULL STRINGS IN CONDUITS. LABEL CONDUITS THAT ARE STUBBED-OUT, OR AT TERMINATION BOXES, INDICATING DESTINATION ROOM AT OPPOSITE END. LABELING CONDUIT BOXES IS NOT REQUIRED FOR CONDUIT STUBBED UP ABOVE

4. PAINT BOXES AND LAST 12 INCHES OF ACCESSIBLE CONDUIT INSTALLED FOR LOW-VOLTAGE CIRCUITS A DISTINCTIVE AND DIFFERENT COLOR FROM OTHER TRADES' CONDUIT AND BOXES.

5. MAXIMUM TOTAL DEGREE OF SWEEP TYPE BENDS IN CONDUIT BETWEEN PULL POINTS IS 180 DEGREES. ADD PULL BOXES AS REQUIRED TO MEET THIS REQUIREMENT. MAKE BENDS BEFORE OR AFTER PULL BOXES. DO NOT CHANGE DIRECTION OF CONDUITS WITHIN PULL BOXES.

6. DO NOT USE JUNCTION BOXES, PULLING ELBOWS, OR PULL BOXES AS PATH TURNS FOR ANY STRUCTURED CABLING.

7. MARK AND COLOR-CODE JUNCTION BOXES AND TERMINAL CABINETS WITH THEIR BOX SCHEDULE NUMBER ON THE INSIDE OF THE BOX FACING THE ROOM, SUCH THAT THEY REMAIN IDENTIFIABLE AFTER CLOSURE OF WALLS.

PROVIDE 1-INCH CONDUIT TO TELECOMMUNICATIONS 4-11/16 INCH BACK BOXES;
 BOXES TO BE 3-INCH DEEP WITH SINGLE-GANG MUD RING UNLESS OTHERWISE NOTED.

9. REFER TO ARCHITECTURAL AND/OR ELECTRICAL DRAWINGS FOR ANY REQUIRED TECHNOLOGY-RELATED ACOUSTICAL MEASURES REGARDING CONDUIT PENETRATIONS, ELECTRICAL BOX SEALANT PADS, AND GYPSUM BOARD BOX-OUTS FOR LOUDSPEAKERS AND LARGE BOXES, ETC.

10. UNLESS OTHERWISE SHOWN OR NOTED, FLEXIBLE CONDUIT SHALL NOT BE USED WITHOUT TECHNOLOGY CONSULTANT'S WRITTEN APPROVAL.

11. FOR CONDUITS WITH INTERNAL DIAMETERS OF 2 INCHES OR LESS, THE INSIDE BEND RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 6 TIMES THE CONDUIT INTERNAL DIAMETER. FOR CONDUITS WITH AN INTERNAL DIAMETER OF MORE THAN 2 INCHES, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 10 TIMES THE CONDUIT INTERNAL DIAMETER.

12. PROVIDE A MINIMUM OF ONE 1-1/4-INCH CONDUIT TO EACH FLOOR BOX FOR TELECOM THAT IS SEPARATE FROM CONDUITS REQUIRED FOR AV AND POWER, UON.

13. INSTALL SEPARATE CONDUITS TO EACH FLOOR BOX. DO NOT PASS THROUGH ONE FLOOR BOX TO ACCESS ANOTHER BOX, UON.

14. JOIN PVC CONDUIT IN STRICT ACCORDANCE WITH ASTM D2855-15 STANDARD PRACTICE FOR THE TWO-STEP (PRIMER AND SOLVENT CEMENT) METHOD OF JOINING POLY (VINYL CHLORIDE) (PVC) OR CHLORINATED POLY (VINYL CHLORIDE) (CPVC) PIPE AND PIPING COMPONENTS WITH TAPERED SOCKETS, NO EXCEPTIONS.

<u>PROCESS</u>

1. REPORT ANY OBSERVATIONS OR CONDITIONS AT TIME OF DISCOVERY THAT PREVENT THE CORRECT INSTALLATION OF THE DESIGNED SYSTEM ACCORDING TO THE DRAWINGS AND SPECIFICATIONS.

2. SUBMIT REQUESTS-FOR-INFORMATION (RFI) THROUGH THE DIVISION 01 PRESCRIBED COMMUNICATIONS PROTOCOL.

3. WHEN AN APPARENT CONFLICT EXIST BETWEEN LOW-VOLTAGE DISCIPLINES AND OTHER DISCIPLINES, RESOLVE THROUGH RFI PROCESS.

4. CREATE AND SUBMIT SHOP DRAWINGS SHOWING BACK BOX AND CONDUIT COORDINATION FOR DIVISIONS 27 AND 28.

5. INSTALLATION OF FLOOR BOXES IS DIVISION 26 SCOPE. COORDINATE FLOOR BOX REQUIREMENTS AS DETAILED IN THESE DOCUMENTS WITH OTHER DISCIPLINES AND NOTIFY THROUGH RFI PROCESS WHERE CONFLICTS OR REDUNDANCY MAY OCCUR.

6. VERIFY LOCATION OF FLOOR BOXES WITH ARCHITECT/OWNER REPRESENTATIVE PRIOR TO INSTALLATION.

7. NOTIFY ARCHITECT OF THE INTENT TO CLOSE WALLS AND CEILINGS, A MINIMUM OF FIVE WORKING DAYS PRIOR TO CLOSURE, AND REQUEST SITE OBSERVATIONS FOR EACH DISCIPLINE AFFECTED.

8. UNLESS OTHERWISE PROVIDED IN ARCHITECTURAL, STRUCTURAL, OR TECHNOLOGY DRAWINGS, PROVIDE TECHNOLOGY DEVICE STRUCTURAL ATTACHMENT DETAIL SHOP DRAWINGS PREPARED, STAMPED, AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.

AC POWER & GROUNDING

1. AC POWER CIRCUITS AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS FOR SCOPE-OF-WORK AND SPECIFIC CIRCUIT ASSIGNMENTS. WHERE A CONFLICT EXISTS BETWEEN THE ELECTRICAL DRAWINGS AND THE TECHNOLOGY DRAWINGS, RECONCILE THROUGH RFI PROCESS.

2. MAINTAIN A MINIMUM 12-INCH SEPARATION BETWEEN TECHNOLOGY SIGNAL CONDUITS AND PARALLEL AC POWER CONDUITS. AC POWER CONDUITS CROSSING TECHNOLOGY SIGNAL CONDUITS SHOULD DO SO AT PERPENDICULAR ANGLES WITH A MINIMUM OF 1-INCH CLEARANCE.

3. LOCATE TECHNOLOGY INSTALLATIONS A MINIMUM OF 6 FEET AWAY FROM TRANSFORMERS, INVERTERS, AND MOTORS.

4. NO LOADS SUCH AS MOTORS, TRANSFORMERS, BALLASTED LIGHTING, OR UTILITY
CIRCUITS SHALL BE SERVED BY AC POWER PANELS INTENDED FOR LOW-VOLTAGE
TECHNOLOGY EQUIPMENT USE. NOTIFY THE ARCHITECT OR OWNER
REPRESENTATIVE IN THE EVENT OF A CONFLICT WITH THE PANELBOARD SCHEDULE.

TECHNOLOGY GENERAL NOTES (cont'd):

5. BUS BAR SHALL BE BONDED TO BUILDING STRUCTURAL STEEL. REFER TO BONDING RISER DRAWING FOR ADDITIONAL GROUNDING AND BONDING INFORMATION.

6. INSTALL BONDING CONDUCTORS WITH AS FEW BENDS AS POSSIBLE. WHEN A BEND IS NECESSARY, THE BEND SHALL BE INSTALLED AS A GRADUAL BEND WITH NO SHARP ANGLES KINKING THE CONDUCTOR.

AV SHEET INDEX

SHEET NUMBER SHEET NAME

AV-000 AUDIOVISUAL NOTES AND LEGENDS
AV-121 AUDIOVISUAL LEVEL 1 OVERALL PLAN - PHASE 1

**ELECTRICAL POWER AND CONDUIT SYMBOLS:** 

CONDUIT, UNDERGROUND OR UNDERSLAB

DOCUMENTS FOR SPECIFICS.

DOCUMENTS FOR SPECIFICS.

CONDUIT, TURNED UP

CONDUIT, TURNED DOWN

DOUBLE DUPLEX PLACEHOLDER FOR POWER. REFER TO ELECTRICAL

DUPLEX PLACEHOLDER FOR POWER. REFER TO ELECTRICAL DOCUMENTS

SPECIAL PURPOSE PLACEHOLDER FOR POWER. REFER TO ELECTRICAL

AUDIOVISUAL LEVEL 1 REFLECTED CEILING PLAN - PHASE
AUDIOVISUAL ELEVATIONS & SECTIONS

AV-201 AUDIOVISUAL ELEVATIONS & SECTIONS

AV-502 AUDIOVISUAL DETAILS
AV-601 AUDIOVISUAL FUNCTIONAL DIAGRAMS

AUDIOVISUAL SYMBOLS:

TAG

TICDADO

TLCDARCHITECTURE
520 Third St. #250

Santa Rosa, CA 95401 o: 707.525.5600 f: 707.525.5616 tlcd.com

CONSULTANT:



Audiovisual
Telecommunications
Security

130 Sutter Street, 5th Floor
San Francisco, CA 94104
Tel: 415.397.0442
salter-inc.com

C.7.....



Number Date Description

02-03-2025 AV SYSTEMS BID DRAWINGS

THE WINE
SPECTATOR WINE
EDUCATION
COMPLEX AT NAPA
VALLEY COLLEGE
2277 NAPA VALLEJO HWY

NAPA, CA 94558



DSA APPLICATION NUMBER: 01-120890 TLCD PROJECT NUMBER: 21062.00

21062.00 DATE: 01-24-2025

AUDIOVISUAL NOTES AND LEGENDS

**KEYNOTE LEGEND** Key Value Keynote Text

> STUP UP INTO MILLWORK 12"x12"x4" NEMA BOX "ER" WITHIN CABINET AT THE REAR.(BY OTHERS)

CAPTURE ADD ALTERNATE #3: 85" FOR CONFIDENCE

BY STRUCTURED CABLING

CONTRACTOR\*

(2) NETWORK DROPS, INTERNAL

(6) NETWORK DROPS, ADJACENT

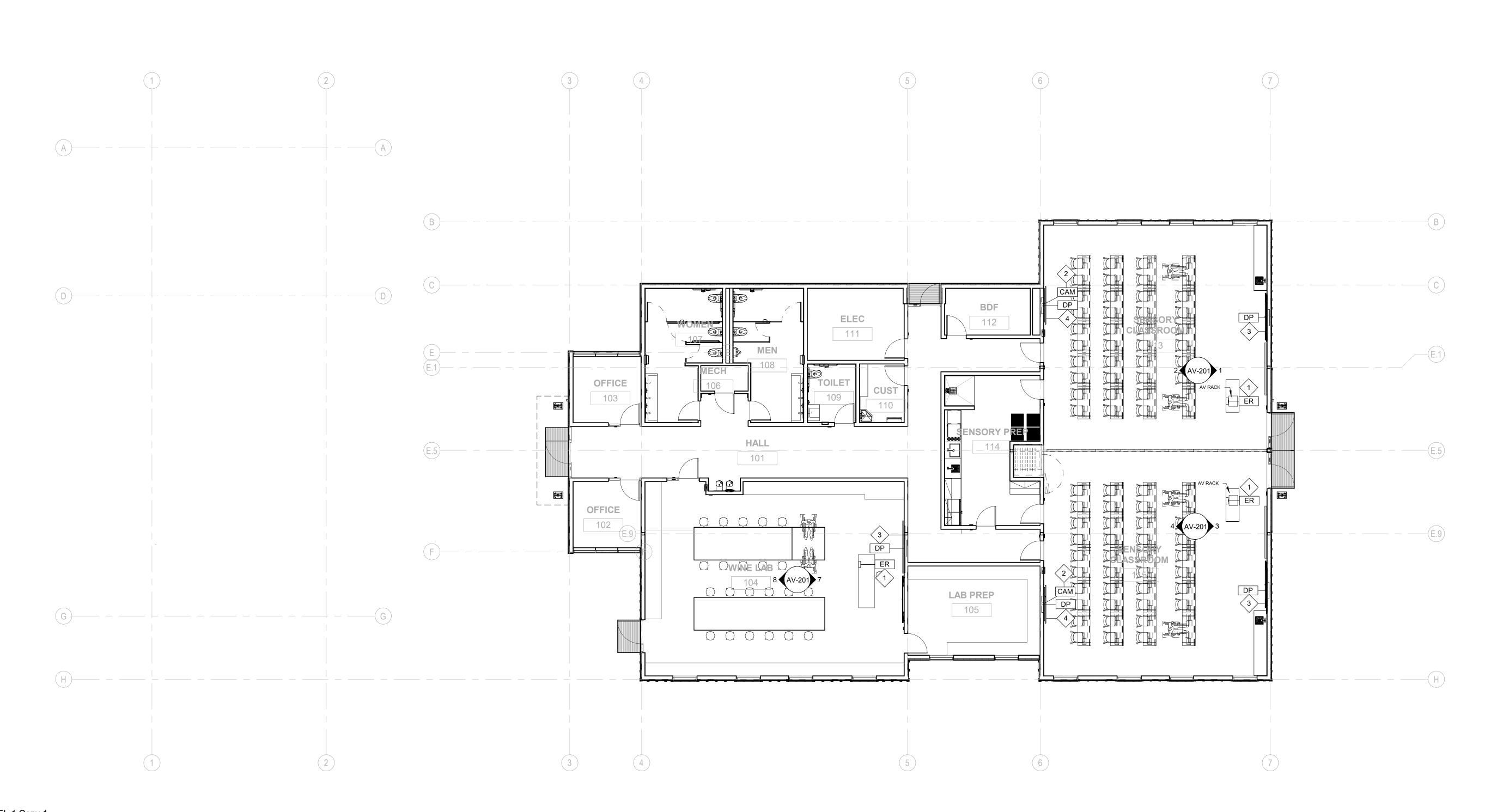
AV BOX SCHEDULE - OVERALL PLAN PHASE 1 (BY OTHERS) **DIVISION 26 DIVISION 27** MOUNTING HEIGHT MAKE/MODEL (OR ADJACENT/INTEGRAL APPROVED EQUAL) BOX SIZE (HxWxD) / GANG SIZE POWER REQUIREMENTS **BOX LOCATION** COVER/RING MOUNTING DEPTH **ELECTRICAL NOTES FUNCTION (BY AVC)** AV PLATE TYPE (BY AVC)

REFER TO

+18"AFF

ELEVATIONS

FLUSH



INTERNAL DOUBLE

ADJACENT DOUBLE

DUPLEX

DUPLEX

ANTICIPATED 7A LOAD 1-1/4" CONDUIT TO ER BOX

DISPLAY PANEL

EQUIPMENT RACK

BACKBOX

CUSTOM

CUSTOM

CHIEF MFG PAC 30" X 20" X 4"

NEMA 1

12"x12"x4"

NONE

SCREW COVER

WALL

INSIDE BACK PANEL OF MILLWORK

AV EQUIPMENT RACK INTEGRAL TO INSTRUCTOR STATION MILLWORK. CONDUITS

ALTERNATE #1: AUTO-FRAMING CAMERA FOR INSTRUCTOR 98" FLAT PANEL DISPLAYS.

DISPLAY AT BACK OF ROOM MONITORING.

CONSULTANT:

AGENCY APPROVAL STAMP:

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Number Date Description 02-03-2025 AV SYSTEMS BID DRAWINGS

THE WINE **SPECTATOR WINE EDUCATION COMPLEX AT NAPA VALLEY COLLEGE** 2277 NAPA VALLEJO HWY NAPA, CA 94558

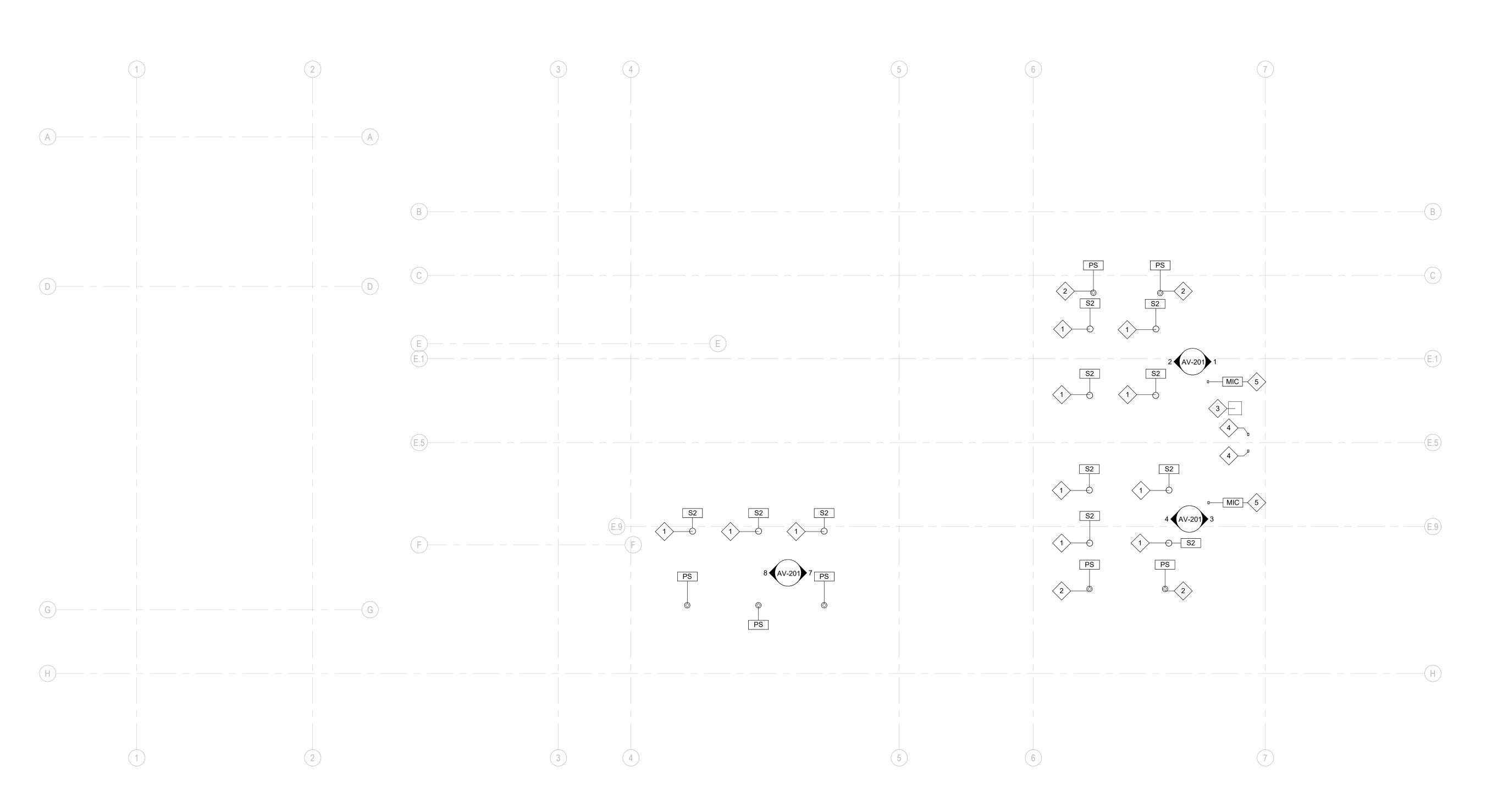


**AUDIOVISUAL LEVEL 1 OVERALL PLAN - PHASE 1** 

AV BO	V BOX SCHEDULE - RCP (PHASE 1) (BY OTHERS)											
	DIVISION 26									DIVISION 27		
Tag	MAKE/MODEL (OR APPROVED EQUAL)	) BOX SIZE (HxWxD) / GANG SIZE	COVER/RING	BOX LOCATION	MOUNTING HEIGHT	MOUNTING DEPTH	ADJACENT/INTEGRAL POWER REQUIREMENTS	ELECTRICAL NOTES	FUNCTION (BY AVC)	AV PLATE TYPE (BY AVC)	BY STRUCTURED CABLING CONTRACTOR*	AV BOX COMMENTS
MIC	RACO 260	4-11/16" SQUARE, 3-1/4" DEEP	1-GANG TRIM RING	SURFACE MOUNT TO DECK ABOVE	DECK	SURFACE	NONE		MICROPHONE	CUSTOM	NONE	RCP
S2		N.I.C., BY AVC.	N.I.C., BY AVC.	ACCESSIBLE CEILING	N.I.C., BY AVC.	N.I.C., BY AVC.	N.I.C., BY AVC.	N.I.C., BY AVC.	ACCESSIBLE CEILING LOUDSPEAKER	N.I.C., BY AVC.	N.I.C., BY AVC.	RCP

Key Value	Keynote Text				
1	CEILING				
	LOUDSPEAKER				
2	PENDANT				
	LOUDSPEAKER				
3	WIRELESS				
	MICROPHONE				
	TRANSCEIVER				
4	ROOM PARTITION				
	SENSORS LOCATE				
	EACH SIDE OF				
	PARTITION MAXIMU				
	OF 6' APART				
5	ALTERNATE #3:				
	BEAM-FORMING				
	CEILING MICROPHO				

**KEYNOTE LEGEND** 



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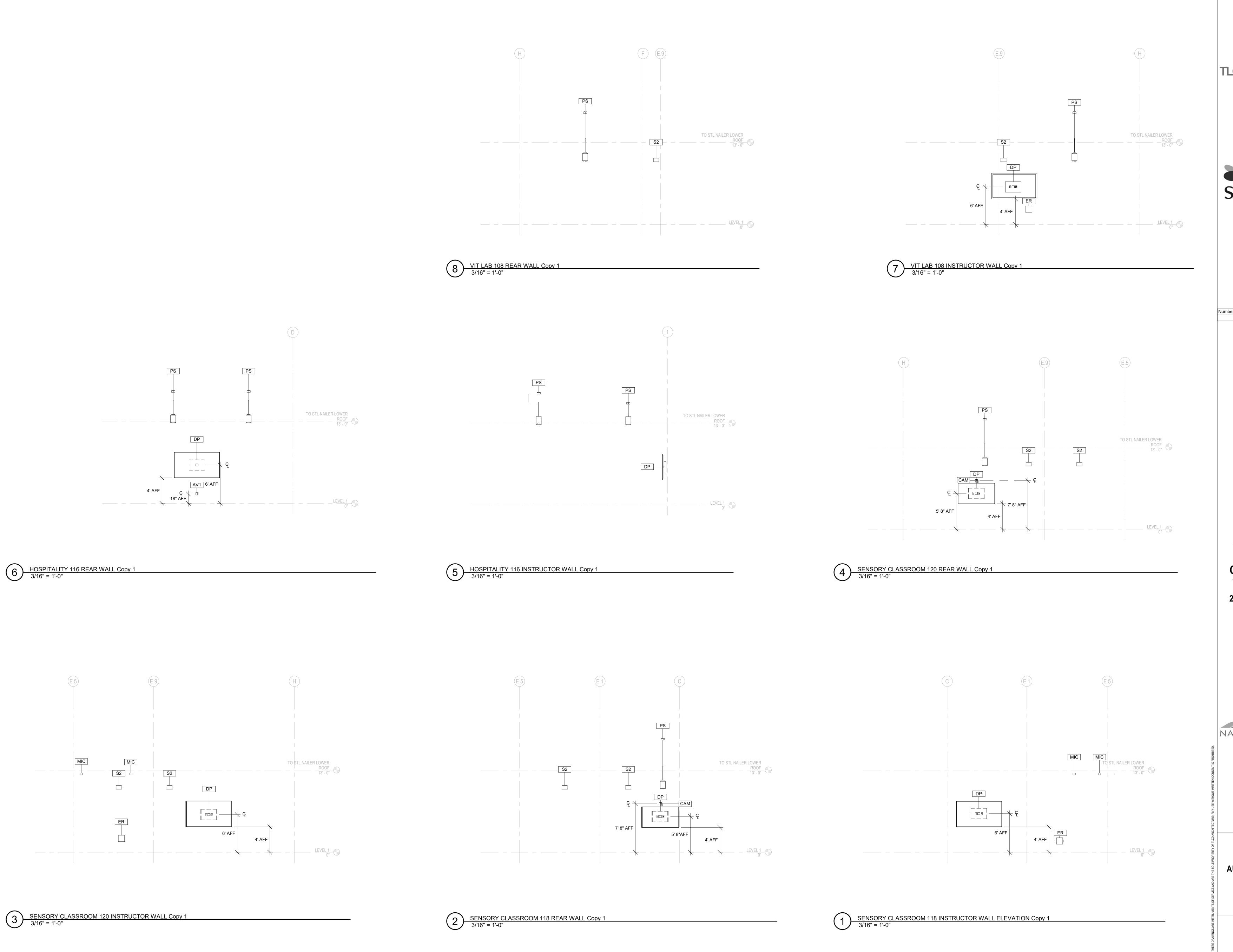
Number Date Description
02-03-2025 AV SYSTEMS BID DRAWINGS

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DSA APPLICATION NUMBER: 01-120890 TLCD PROJECT NUMBER: 21062.00

**AUDIOVISUAL LEVEL 1** REFLECTED CEILING PLAN -PHASE 1



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CONSULTANT:



STAMP:



umber Date Description
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NAPA VALLEY \* COLLEGE

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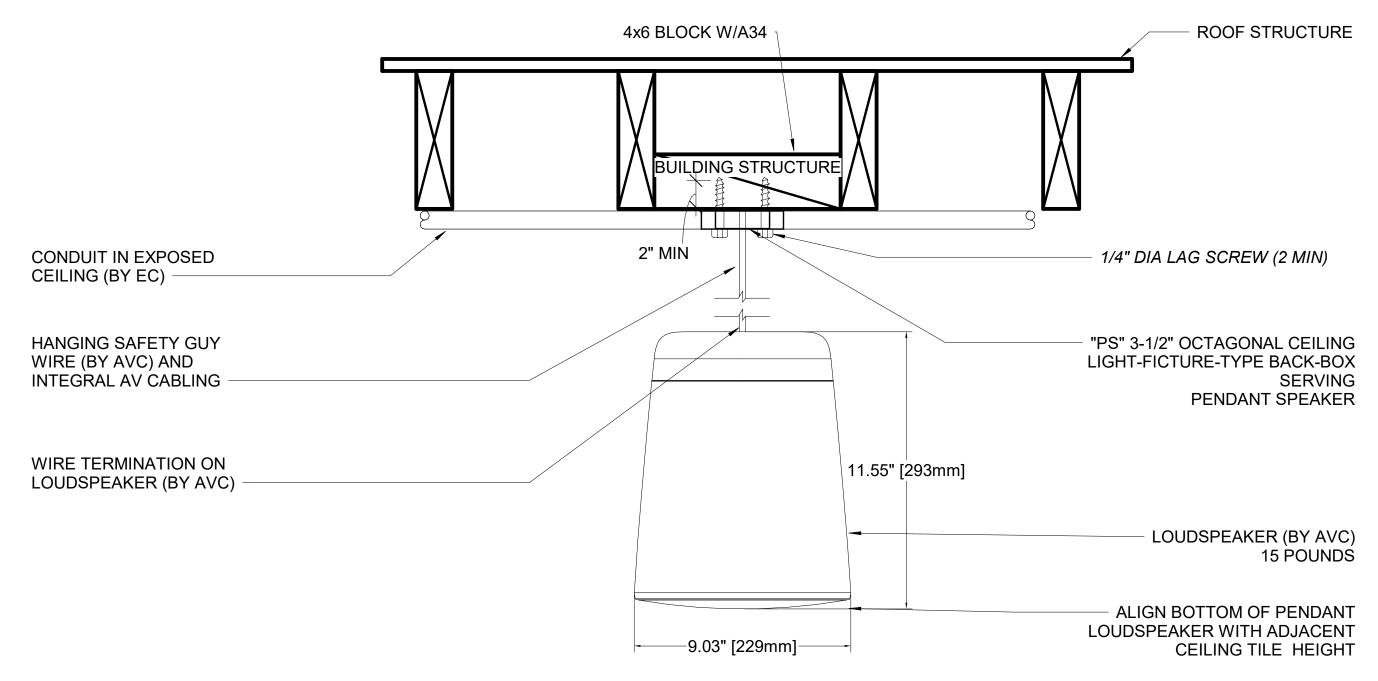
AUDIOVISUAL ELEVATIONS & SECTIONS

4 AUDIOVISUAL INSTRUCTOR MILLWORK DESK NTS

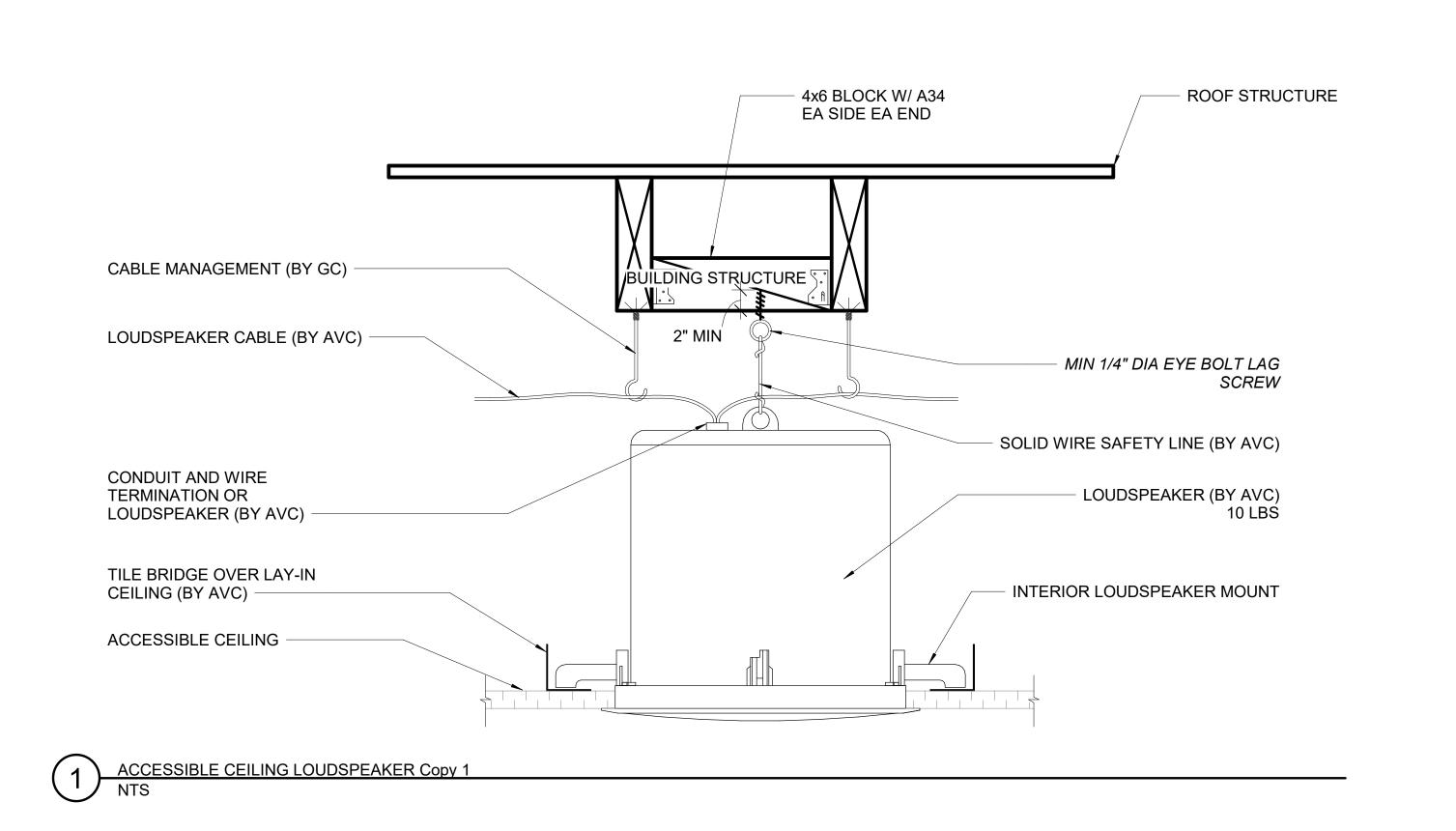
ROOF STRUCTURE 4x6 BLOCK W/ A34 EA SIDE EA END | BUILDING STRUCTURE - WEB FILLER PER 4/S-103 CABLE MANAGEMENT (BY GC) -2" MIN LOUDSPEAKER CABLE (BY AVC) – MIN 1/4" DIA EYE BOLT LAG SCREW SOLID WIRE SAFETY LINE (BY AVC) CONDUIT AND WIRE TERMINATION OR LOUDSPEAKER (BY AVC)10 LBS LOUDSPEAKER (BY AVC) TILE BRIDGE OVER LAY-IN - INTERIOR LOUDSPEAKER MOUNT CEILING (BY AVC) -ACCESSIBLE CEILING 2 ACCESSIBLE CEILING LOUDSPEAKER TJI Copy 1
NTS

3" DIAMETER OPENINGS INTO 19.25" MIN. STUD BAY FOR VENTILATION FINISH OPENING WIDTH FOR CEILING PLENUM **AV EQUIPMENT** RACK (BY AVC) \_\_\_\_\_\_ CREDENZA BACK OPEN TO WALL (MIN. 24" (W) x 16" (H)) AVTC 27.45" MIN. FINISH OPEN HEIGHT 1" HOLES IN TOE KICK FOR COOL AIR INTAKE 4" OPENING FOR CABLE PASS THRU BETWEEN BAYS

5 AUDIOVISUAL TYPICAL MILLWORK CREDENZA RACK NTS



PENDANT LOUDSPEAKER MOUNTING Copy 1
NTS



TLCDARCHITECTURE

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Audiovisual
Telecommunications

AGENCY APPROVAL STAMP:



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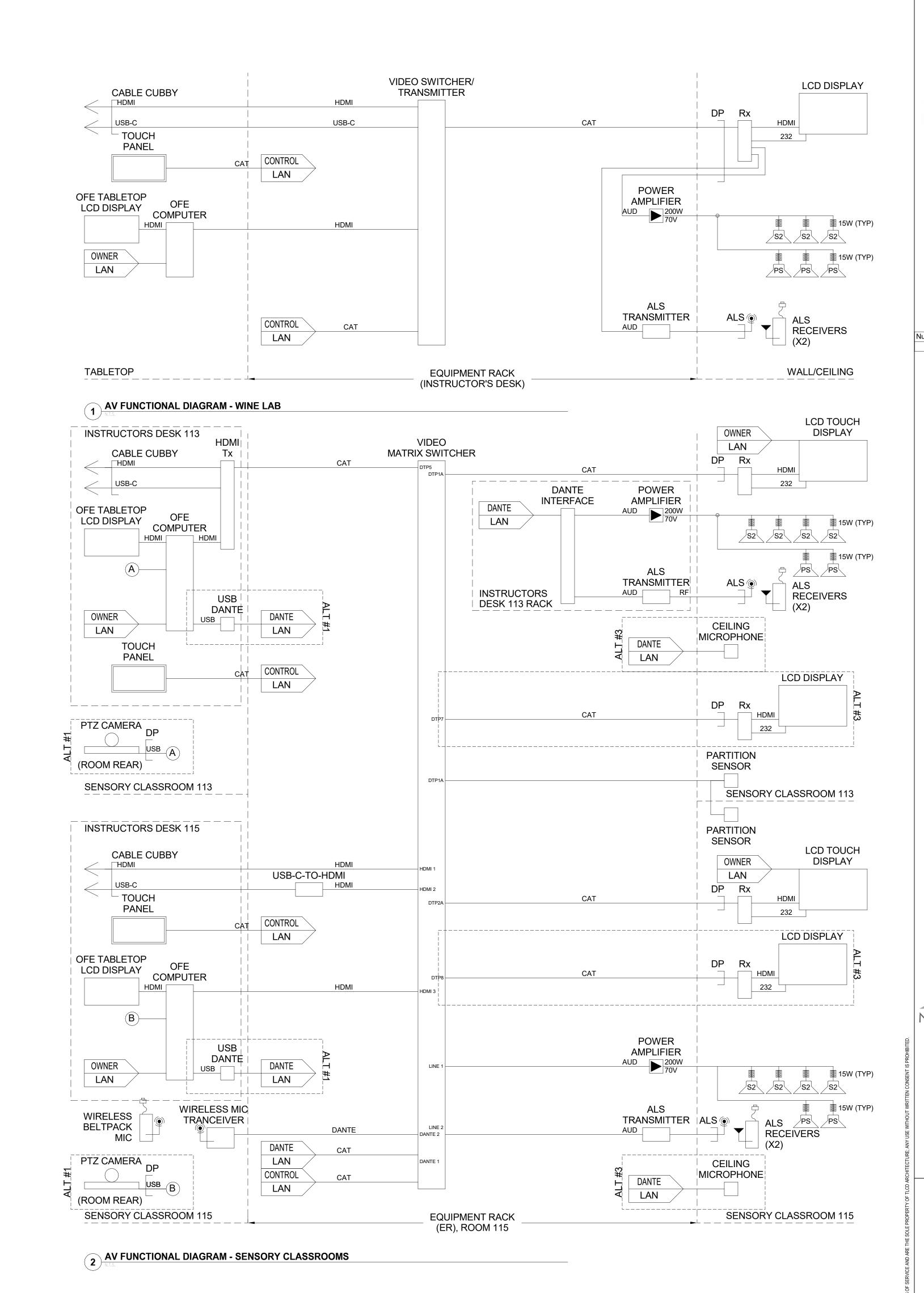


DSA APPLICATION NUMBER:
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**AUDIOVISUAL DETAILS** 



AGENCY APPROVAL STAMP:

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CONSULTANT:



STAMP:

REVISIONS:

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AUDIOVISUAL FUNCTIONAL DIAGRAMS