

AV INFRASTRUCTURE SYMBOLS LEGEND						
DRAWING SYMBOL	NAME	BACKBOX SIZE EXTRA DEEP	MOUNTING HEIGHT AFF	CONDUIT QTY	CONDUIT SIZE (AV)	NOTES
	FLAT PANEL DISPLAY TYPE 1	CHIEF PAC501	SEE ELEVATIONS	2	1.25"	ROUTE CONDUIT TO NEAREST CABLE TRAY. PROVIDE PLYWOOD BLOCKING. SEE AV-401/3 FOR ADDITIONAL REQUIREMENTS.
	FLAT PANEL DISPLAY TYPE 2	CHIEF PAC526	SEE ELEVATIONS	2	1.25"	ROUTE CONDUIT TO NEAREST CABLE TRAY. PROVIDE PLYWOOD BLOCKING. SEE AV401/4 FOR ADDITIONAL REQUIREMENTS.
	WALL BOX TYPE 1	4G	18" UON	2	1.25"	ROUTE ONE CONDUIT TO NEAREST CABLE TRAY. ROUTE SECOND CONDUIT TO TV# BOX ABOVE.
	WALL BOX TYPE 2	4G	18" UON	1	1.25"	ROUTE CONDUIT TO NEAREST CABLE TRAY.
	AV WALL PLATE TYPE 1	2G	80" UON	1	1.25"	PROVIDE CONDUIT TO NEAREST ACCESSIBLE CEILING CLOSE TO THE CABLETRAY. PROVIDE PLYWOOD BLOCKING BETWEEN STUDS. PROVIDE POWER AND DATA CONNECTIONS WITHIN 1" STUD FRAME OR 6" FROM THE AV WALL PLATE. X IS THE HEIGHT OF JBOX IN INCH.
	PTZ CAMERA BOX	2G	96" UON	1	1.0"	ROUTE CONDUIT TO NEAREST CABLE TRAY. CONFIRM BOX LOCATION WITH ARCHITECT PRIOR TO INSTALLING.
	WALL MOUNTED CONTROL PANEL	2G	48"	2	1.0"	ROUTE ONE CONDUIT TO NEAREST CABLE TRAY. ROUTE SECOND CONDUIT TO TV# BOX IN SAME ROOM.
	WALL MOUNTED CONTROL PANEL	2G	48"	1	1.0"	ROUTE ONE CONDUIT TO NEAREST CABLE TRAY.
	SCHEDULING PANEL	2G	48"	1	1.0"	ROUTE CONDUIT TO NEAREST CABLE TRAY. SEE AV-403/3 FOR ADDITIONAL REQUIREMENTS.
	PROJECTOR SCREEN CONTROL PANEL	1G	48"	2	1.0"	ROUTE ONE CONDUIT TO PROJECTION SCREEN MOTOR IN SAME ROOM. ROUTE SECOND CONDUIT CONDUIT TO AV RACK ROOM SERVING ROOM WHERE PROJECTION SCREEN IS LOCATED. SEE PLANS.
	TV STUDIO JUNCTION BOX	18 X 18 X 6 NEMA 1	24"	2	2.0"	ROUTE ONE CONDUIT TO J2. ROUTE ONE CONDUIT TO J3. ROUTE ONE CONDUIT TO J4.
	TV STUDIO JUNCTION BOX	18 X 18 X 6 NEMA 1	24"	2	2.0"	ROUTE ONE CONDUIT TO J4. ROUTE ONE CONDUIT TO J3. ROUTE ONE CONDUIT TO J3.
	TV STUDIO JUNCTION BOX	18 X 18 X 6 NEMA 1	24"			
	TV STUDIO JUNCTION BOX	12 X 12 X 6 NEMA 1	24"			
	CEILING MOUNTED SPEAKER LOCATION.		CEILING	1	1.0"	ROUTE CONDUIT FROM ABOVE FINISHED CEILING IN ROOMS WITH SPEAKERS TO AV ROOMS. SEE FLOOR PLANS FOR ADDITIONAL REQUIREMENTS. SPEAKER PROVIDED BY OTHERS. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.
	WALL MOUNTED SPEAKER	1G	SEE ELEVATION	1	1.0"	PROVIDE CONDUIT TO NEAREST ACCESSIBLE CEILING. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.
	OCCUPANCY SENSOR		CEILING			COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS. ROUTE CONDUIT FROM ABOVE CEILING TO NEAREST CABLE TRAY.
	AV LECTERN					COORDINATE FINISH COLOR WITH ARCHITECT.
	AV CREDENZA	4G	18"	2	1.25"	ROUTE ONE CONDUIT ABOVE FINISHED CEILING IN SAME ROOM AS BOX. ROUTE SECOND CONDUIT TO NEAREST CABLE TRAY.
	FLOORSTANDING AV RACK	12x12x6 NEMA 1	18"	2	1.25"	PROVIDE CONDUIT TO NEAREST ACCESSIBLE CEILING. ENSURE CABLE PATHWAY TO ANY ASSOCIATED AV ENABLED SPACE.
	AV/TELECOM SHARED FLOORBOX	FSR-540P-4-B, w/ POUR PAN	FLOOR	SEE DETAIL	SEE DETAIL	# INDICATES CONDUIT ROUTING SCHEME. SEE AV-401/1 FOR CONDUIT ROUTING AND ADDITIONAL REQUIREMENTS.
	AV/TELECOM SHARED POKE-THRU	LEGRAND 8ATC2P PREWIRED ASSEMBLY	FLOOR	SEE DETAIL	SEE DETAIL	# INDICATES CONDUIT ROUTING SCHEME. SEE AV-401/2 FOR CONDUIT ROUTING ADDITIONAL REQUIREMENTS.
	PROJECTOR WITH CEILING BOX		CEILING	SEE DETAIL	SEE DETAIL	PROJECTOR PROVIDED BY OTHERS. PROVIDE RECESSED CEILING BOX. SEE AV-403/1 FOR ADDITIONAL REQUIREMENTS.
	MOTORIZED PROJECTION SCREEN		CEILING	1	1.0"	PROVIDE CONDUIT TO NEAREST ACCESSIBLE CEILING. ELECTRICAL CONTRACTOR TO STAGE POWER AND COORDINATE TERMINATION INTO SCREEN WITH AV CONTRACTOR. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.

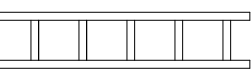
GENERAL NOTES (APPLIES TO ALL SHEETS)

1. COORDINATE ALL POWER REQUIREMENTS WITH ELECTRICAL.
2. COORDINATE ALL DATA REQUIREMENTS WITH TELECOM.
3. COORDINATE ALL FURNITURE CUTOUTS WITH FURNITURE PROVIDER.
4. FINISH HEIGHT AND MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS.
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION OF EQUIPMENT.
6. PROVIDE SEPARATE RACEWAY PATH FOR MICROPHONE LEVEL AUDIO SIGNALS.
7. ROUTING OF CONDUIT SHOWN FOR DESIGN INTENT ONLY. COORDINATE EXACT ROUTE BASED ON FIELD CONDITIONS.
8. REAM AND BUSH ALL CONDUIT ENDS.
9. ALL RACEWAY TO BE PROVIDED UNDER THE ELECTRICAL CONTRACT UON. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH DRAG WIRES.
10. PROVIDE BLANK PLATES FOR BOXES LEFT OR DENOTED AS "BLANK" FOR FUTURE INSTALLATIONS.
11. ALL UTP CABLEING SHALL BE PLENUM RATED, UON.
12. CALLING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING AND ROUTING ONLY. REFERENCE ARCHITECTURAL RCP FOR EXACT CEILING SPEAKER LOCATIONS.
13. ALL VEHICLE STRAPS FOR ALL OF THE MAJOR EQUIPMENT APPLICATIONS, THE WRAPS ARE PROHIBITED.
14. ALL CONDUITS TO NEAREST ACCESSIBLE CEILING SHALL BE STUBBED UP INTO THE SAME ROOM UON ON THE PLANS.
15. ALL CONDUITS SHOULD OPEN TO NEAREST CABLETRAY PATHWAY CONNECTING BACK TO MAIN AV RACK ROOM FOR ALL AV CONNECTIVITY.

ABBREVIATIONS

ABV	ABOVE
AF	ABOVE FINISHED FLOOR
ARF	ABOVE RAISED FLOOR
AF	ABOVE FINISHED CEILING
BF	BELOW FINISHED CEILING
ARCH	ARCHITECT/ARCHITECTUAL
BEL	BELOW
C	CONDUIT
CCA	CEILING CONNECTOR ASSEMBLY
CLG	CEILING
COL	COLUMN
CONN	CONNECT/CONNECTION
CONT	CONTINUATION/CONTINUOUS
DN	DOWN
EC	EMPTY CONDUIT
FL	FLOOR
FBO	FINISHED BY OTHER
FAN	FLOOR CONNECTOR ASSEMBLY
LCA	LOCAL AREA NETWORK
N/A	NOT APPLICABLE
NI	NOT ISSUED
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
OF	OWNER FURNISHED EQUIPMENT
OF	OWNER FURNISHED CONTRACTOR INSTALLED
SCRN	PROJECTOR SCREEN
SPEC	SPECIFICATIONS
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
WALL	WALL CONNECTOR ASSEMBLY
NC	NORMALLY CLOSED CONTACT CLOSURE
NO	NORMALLY OPEN CONTACT CLOSURE
CC	CENTER CONTACT

LOW VOLTAGE SYMBOLS LEGEND



LADDER TYPE TELECOMMUNICATIONS RUNWAY (SIZE AS NOTED ON ENLARGED PLANS)

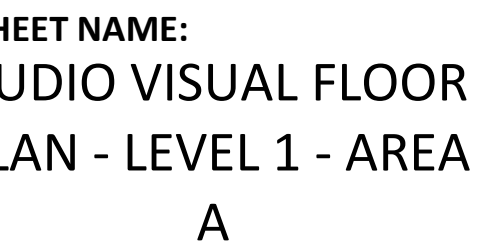


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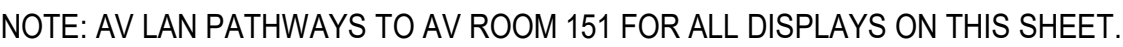
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DATE: 2020.11.20
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1	AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA A
AV-101A	

1/8" = 1'-0"

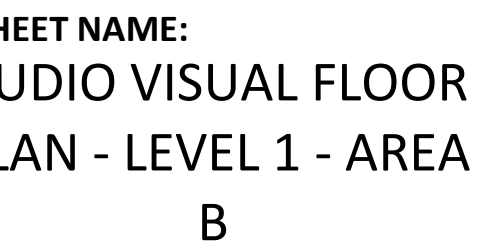


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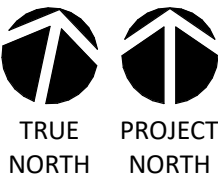
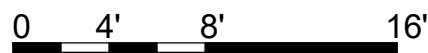
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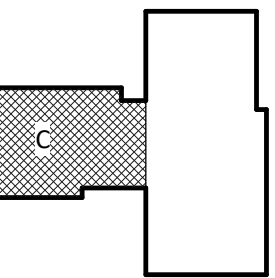
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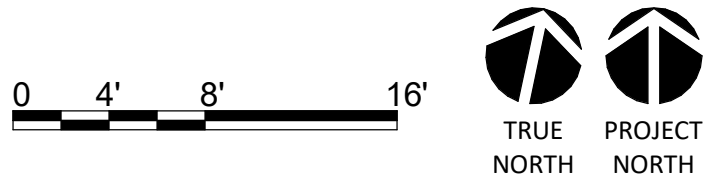
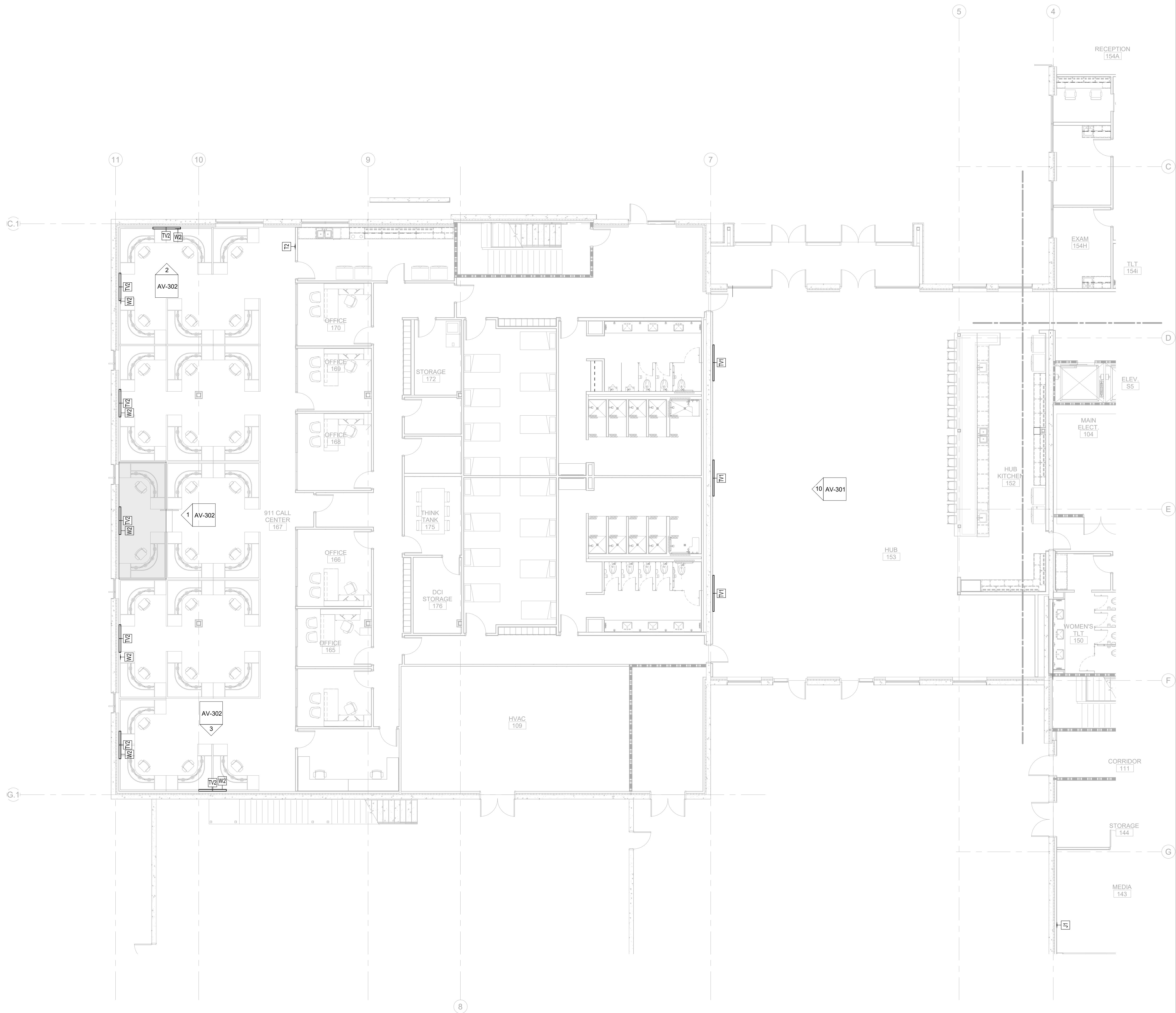
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AUDIO VISUAL FLOOR
PLAN - LEVEL 1 - AREA
C

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1	AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C
AV-101C	

1/8" = 1'-0"

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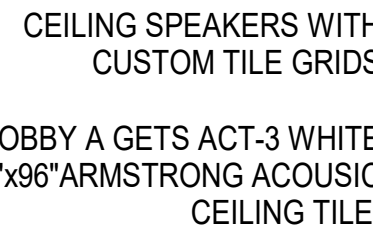
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LEVEL 1 - LOBBY

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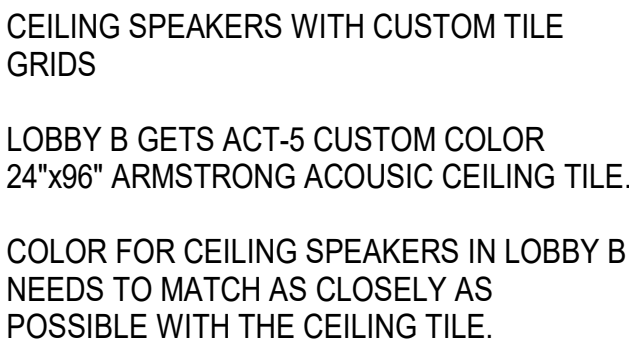
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AV-101D

TI GMP SET



1.5" CONDUIT STUBB ABOVE
ACCESSIBLE CEILING FOR SPEAKERS
IN LOBBY, CONNECT CONDUIT BACK
TO THE AV ROOM 151



1.5" CONDUIT STUBB ABOVE
ACCESSIBLE CEILING FOR
SPEAKERS IN LOBBY,
CONNECT CONDUIT BACK TO
THE AV ROOM 151

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¹ AV-101D	AUDIO VISUAL LEVEL 1 LOBBY A 120A RCP DETAILS	3/16" = 1'-0"	² AV-101D	AUDIO VISUAL LEVEL 1 LOBBY B 120B RCP DETAILS	3/16" = 1'-0"
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PLAN - LEVEL 2 - AREA
A

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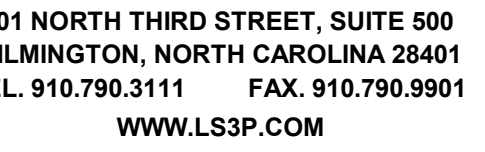
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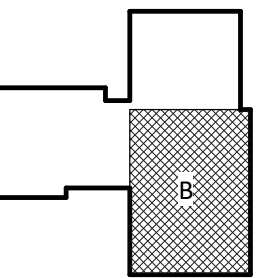
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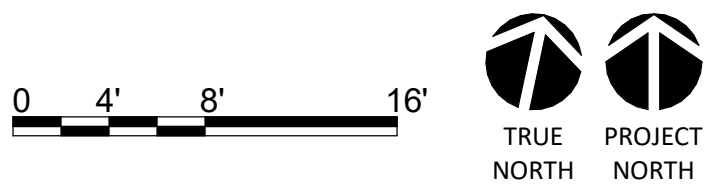
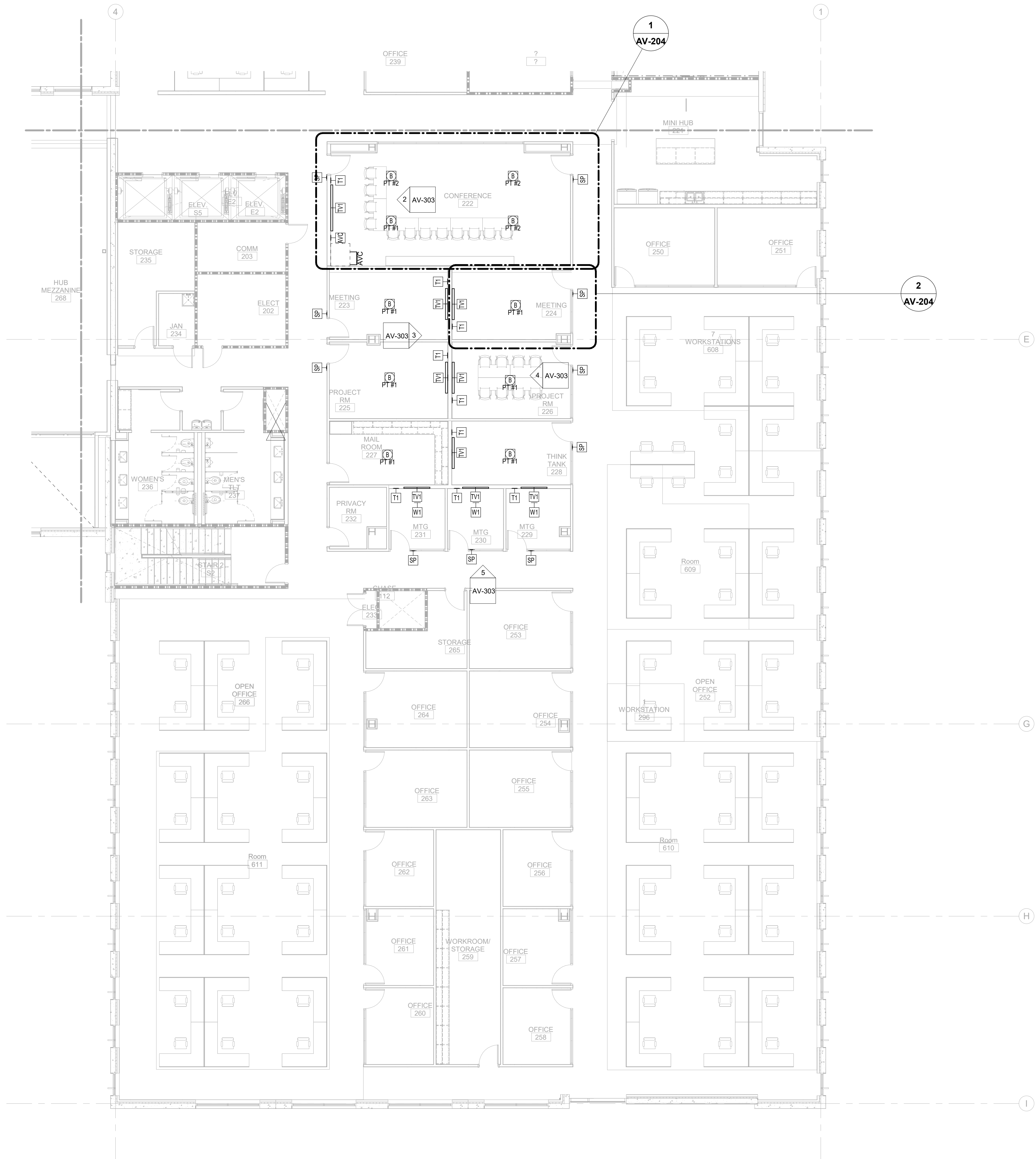
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PLAN - LEVEL 2 - AREA
B

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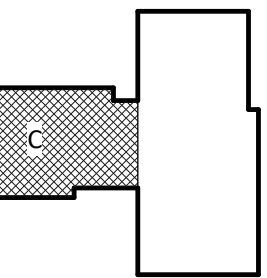
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KEY PLAN:



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AUDIO VISUAL FLOOR
PLAN - LEVEL 2 - AREA
C

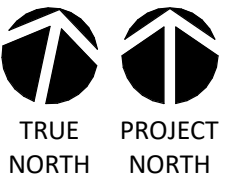
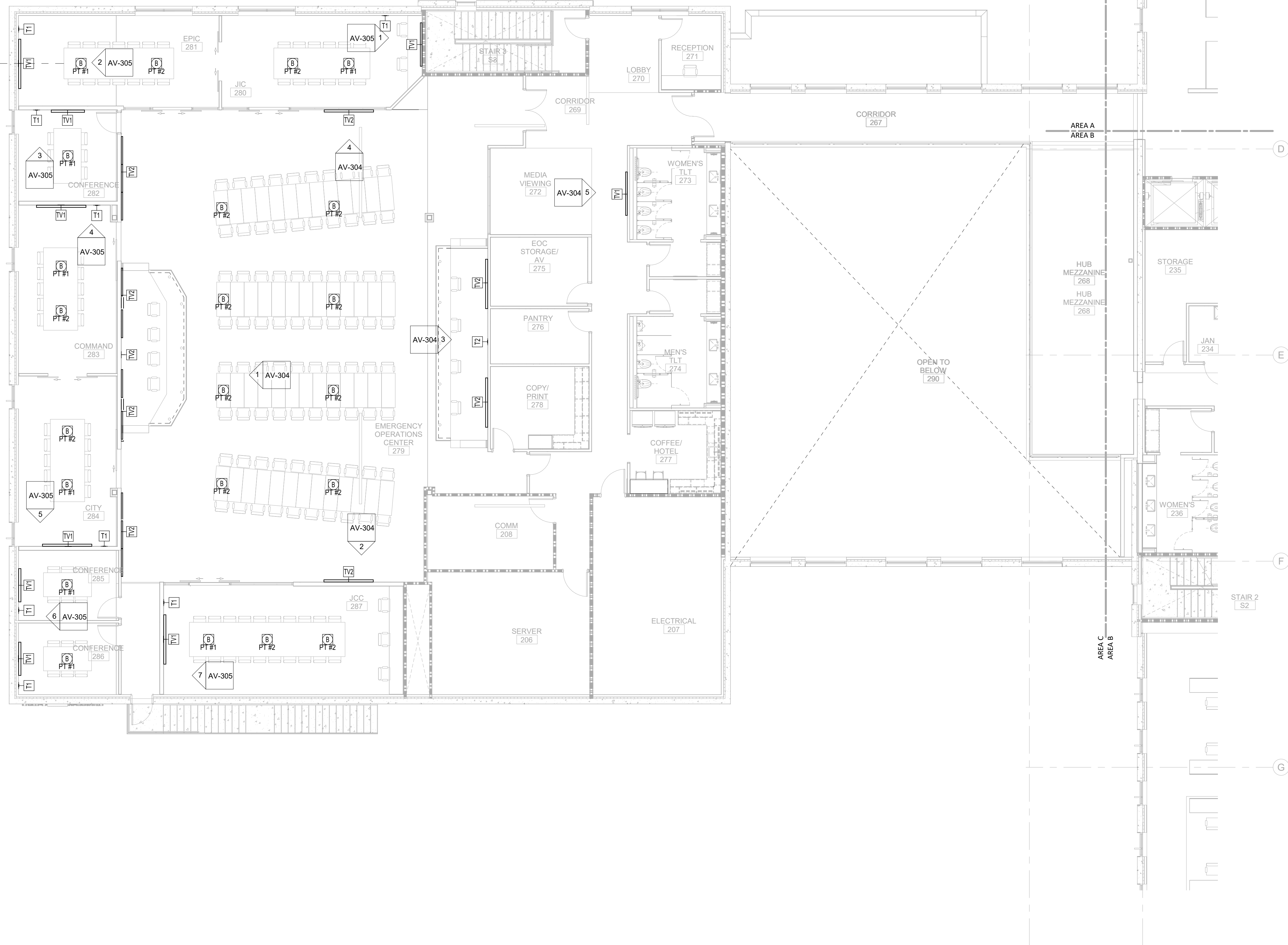
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AV-102C	

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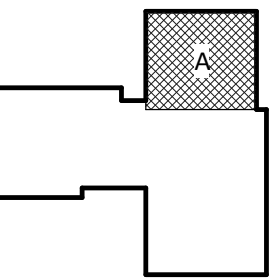
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KEY PLAN:



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PLAN - LEVEL 3 - AREA
A

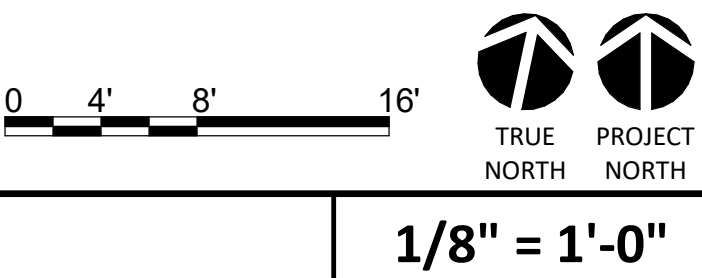
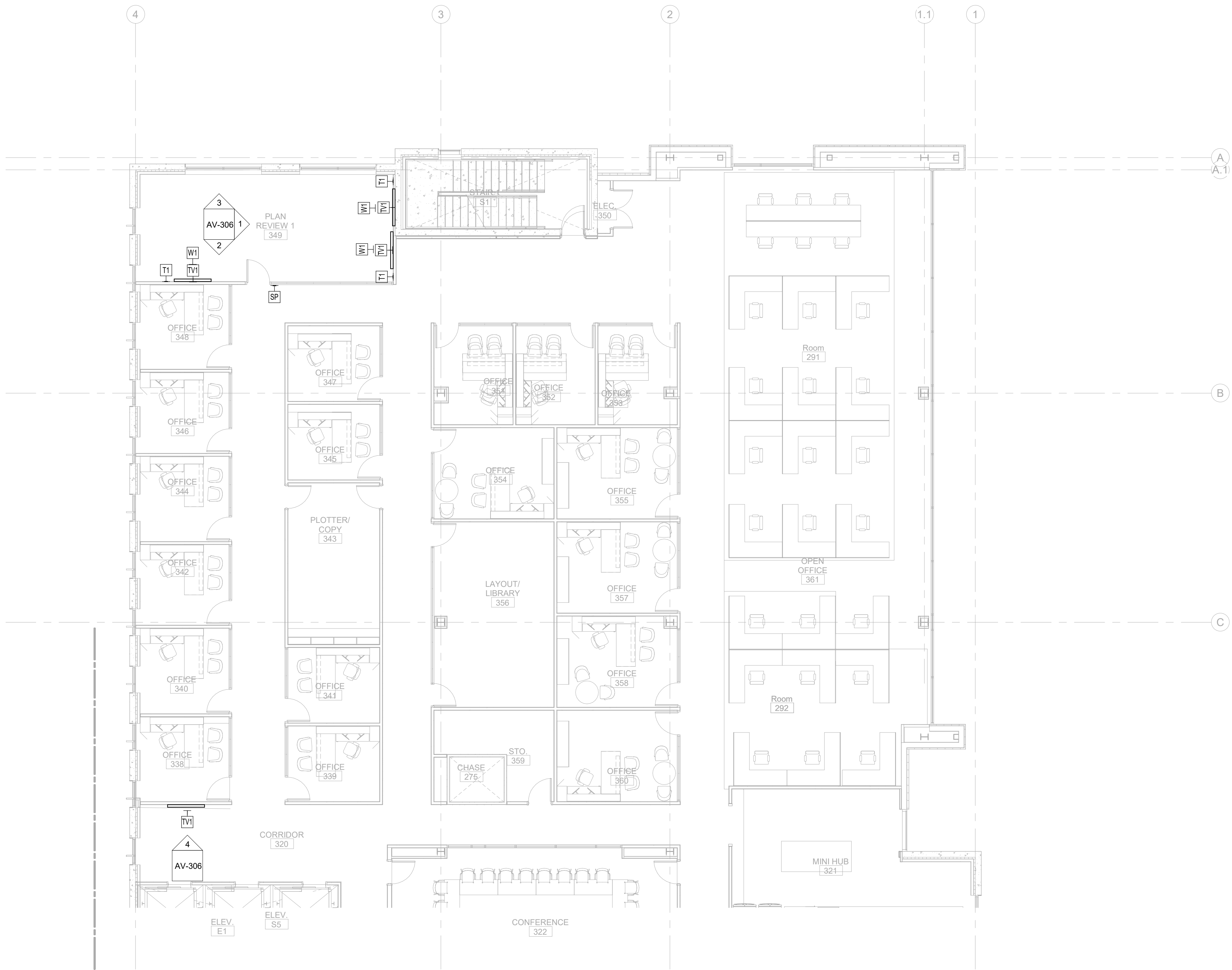
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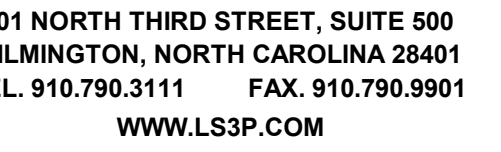
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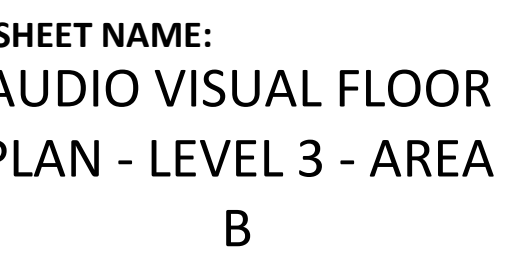
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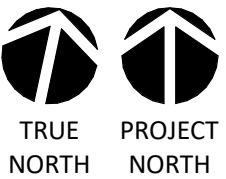
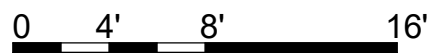


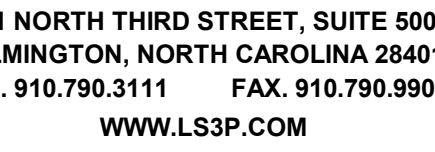
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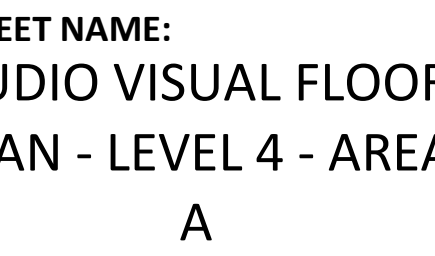


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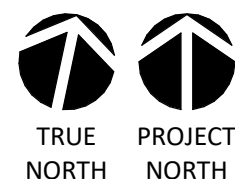
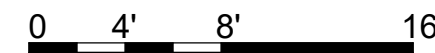
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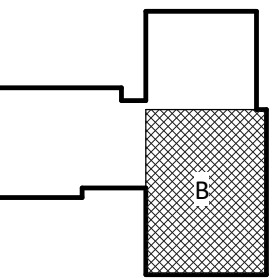
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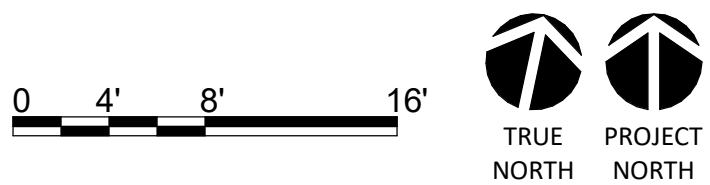
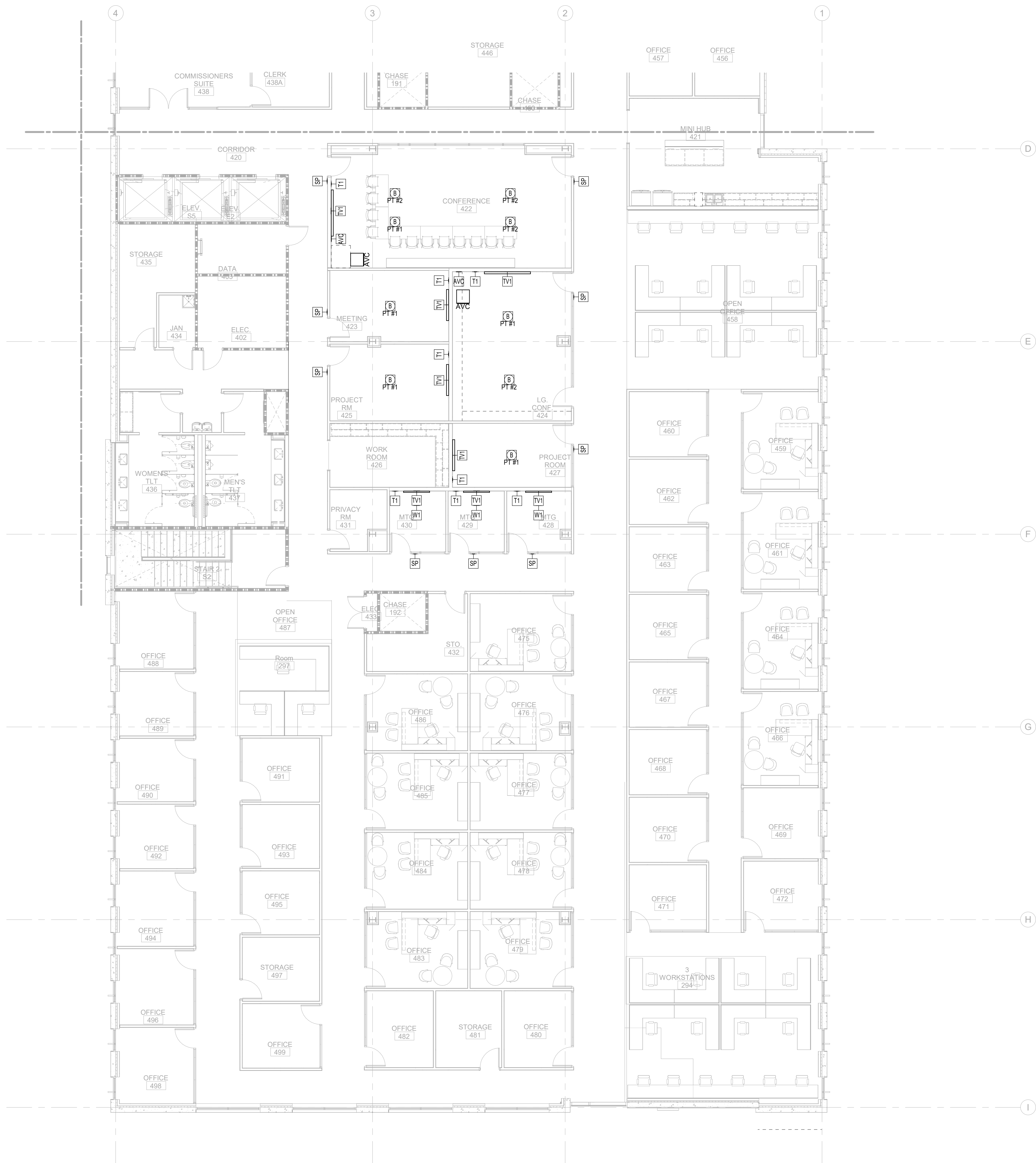
SHEET NAME:
AUDIO VISUAL FLOOR
PLAN - LEVEL 4 - AREA
B

DATE: 2020.11.20
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11/19/2024	1	AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA B
	AV-104B	

$1/8'' = 1'-0''$

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NOT FOR
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IC Government Center 7702-190810

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GOVERNMENT CENTER DRIVE
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WILMINGTON, NC 28403

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SHEET NAME:
AUDIO VISUAL
ENLARGED PLANS

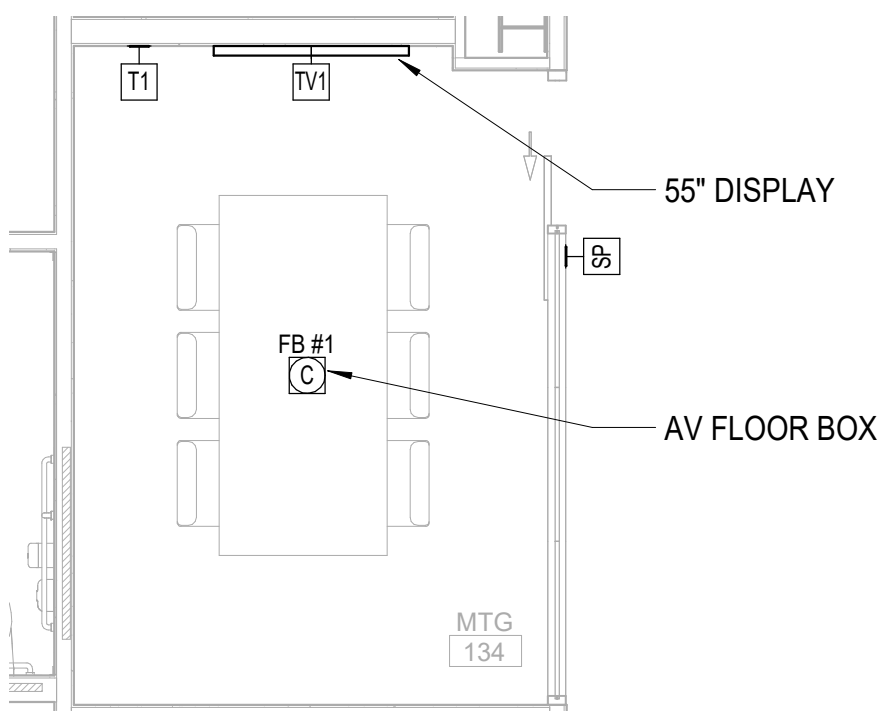
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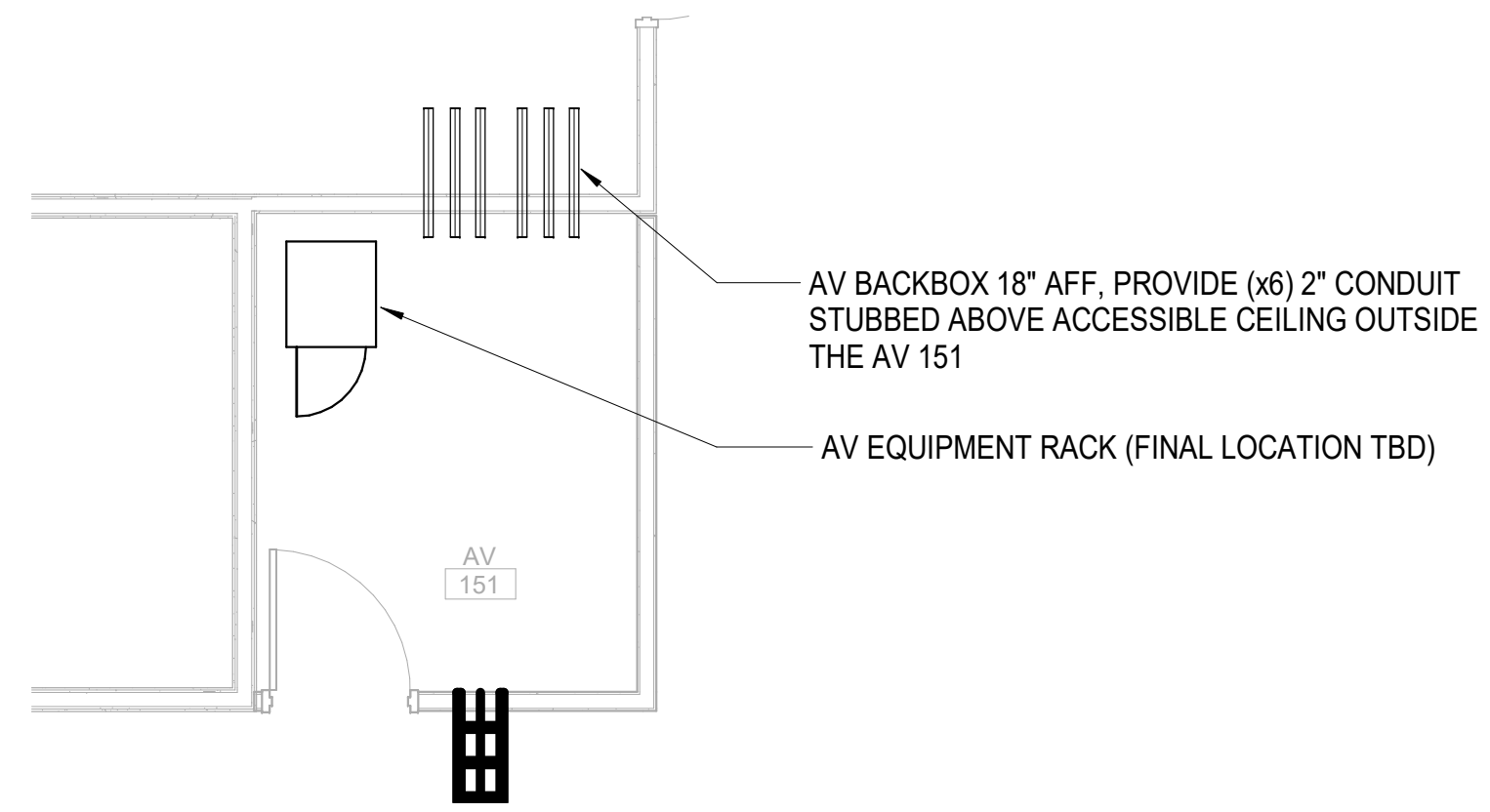
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AV-201

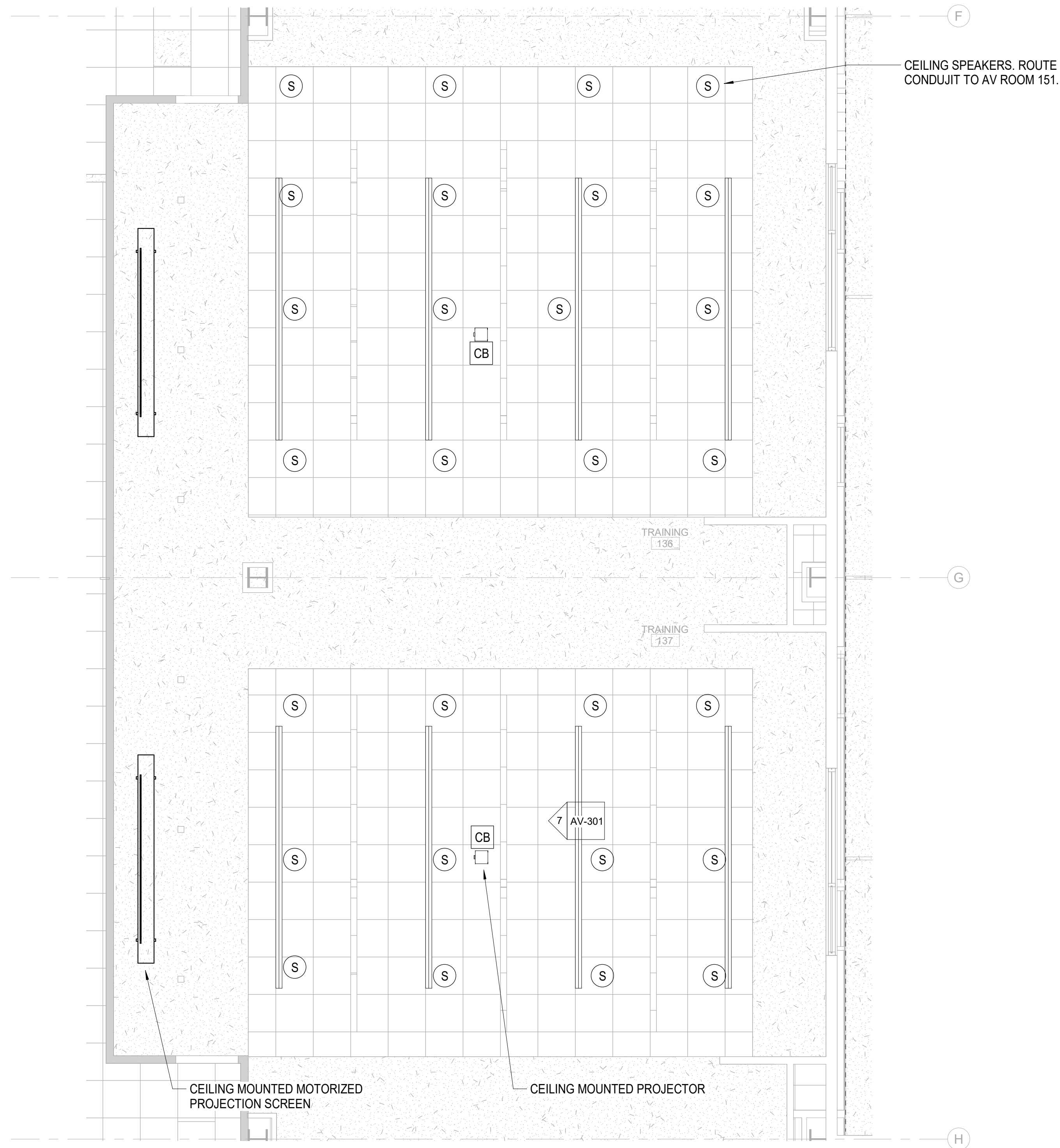
GMP SET



2 AV TYPICAL LEVEL 1 MEETING ROOM - ENLARGED PLAN
AV-201 1/4" = 1'-0"



4 AV ROOM 151 - ENLARGED PLAN
AV-201 1/4" = 1'-0"



6 AV TRAINING ROOM(S) 137/137 - ENLARGED RCP PLAN
AV-201 1/4" = 1'-0"

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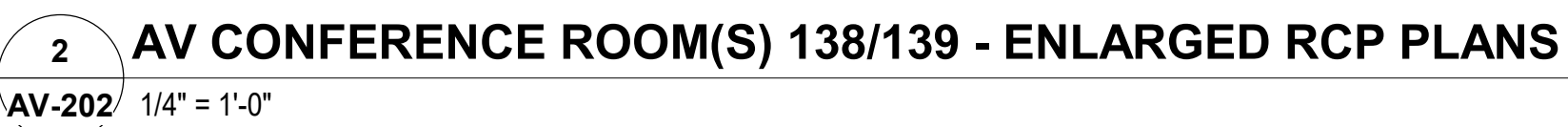
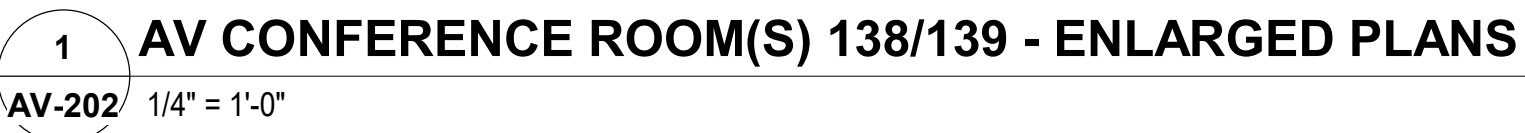
SHEET NAME:
AUDIO VISUAL
ENLARGED PLANS

DATE: 2020.11.20
CURRENT: TI GMP SET

AV-202

GMP SET

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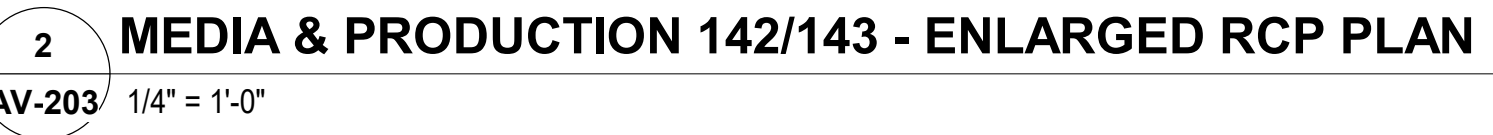
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ENLARGED PLANS

DATE: 2020.11.20
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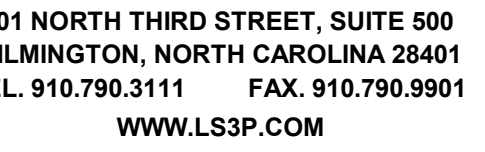
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TI GMP SET

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NOTE: REFER TO T-101A & T-101B DRAWINGS FOR CABLE TRAY DETAILS.



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SHEET NAME:
AUDIO VISUAL
ENLARGED PLANS

DATE: 2020.11.20
CURRENT: TI GMP SET

AV-204

I GMP SET

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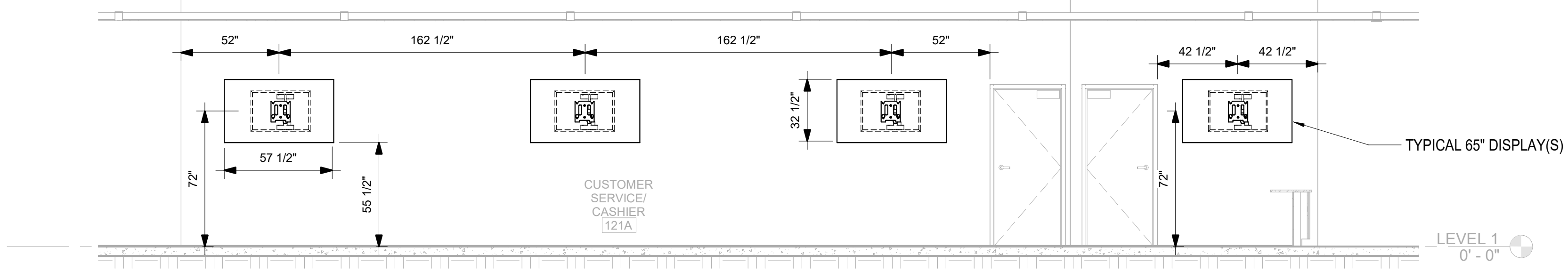
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AUDIO VISUAL
ELEVATION DETAILS

DATE: 2020.11.20
CURRENT: TI GMP SET

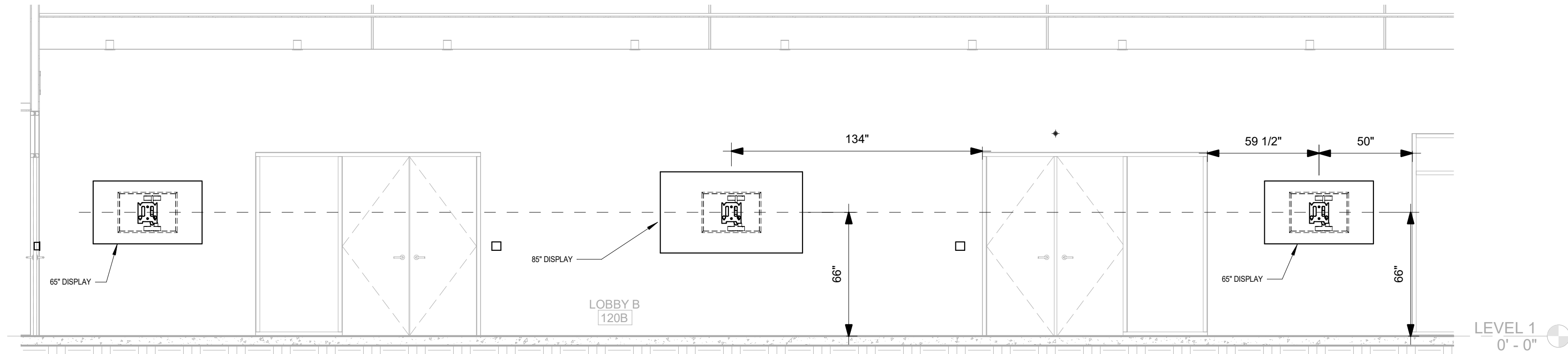
SHEET:

AV-301

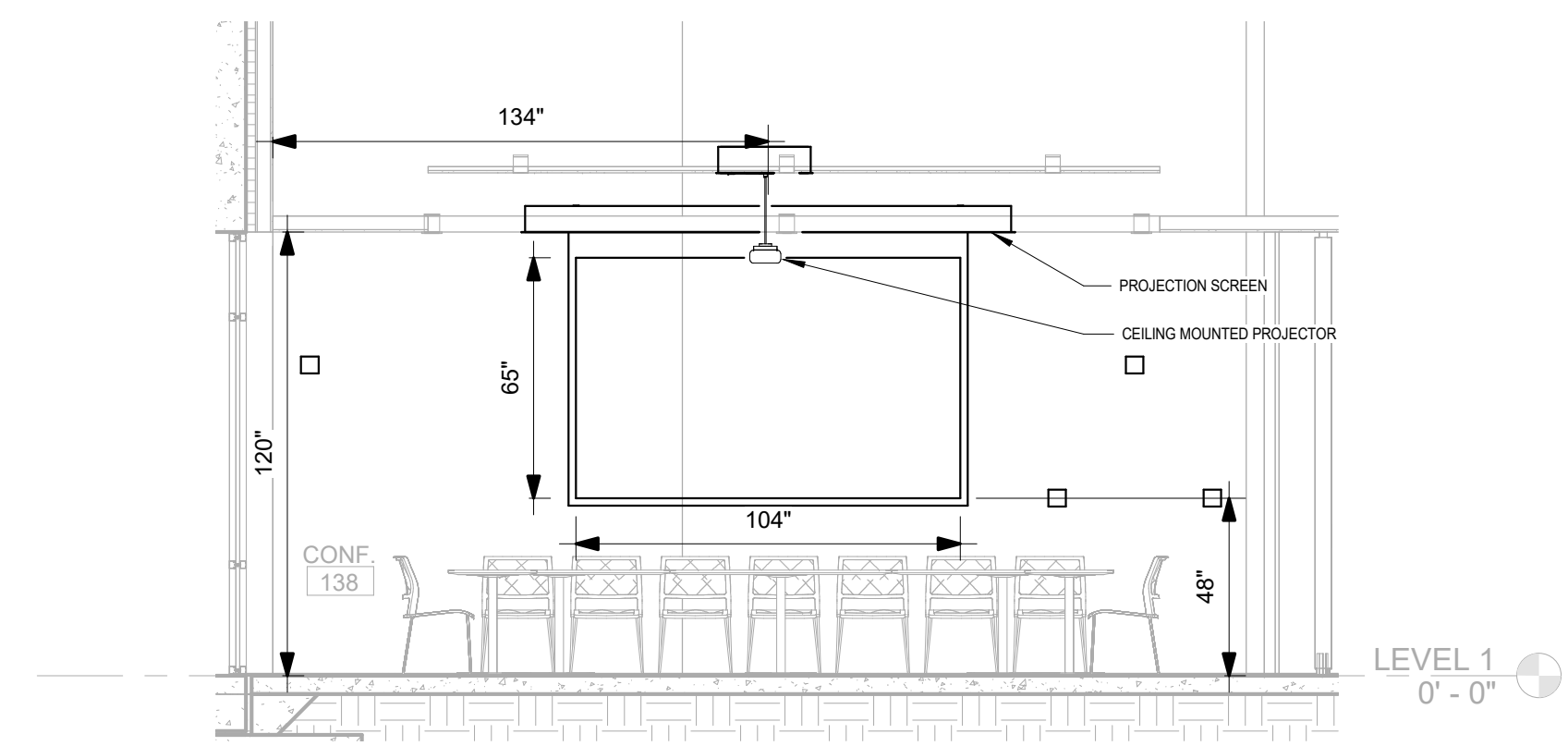
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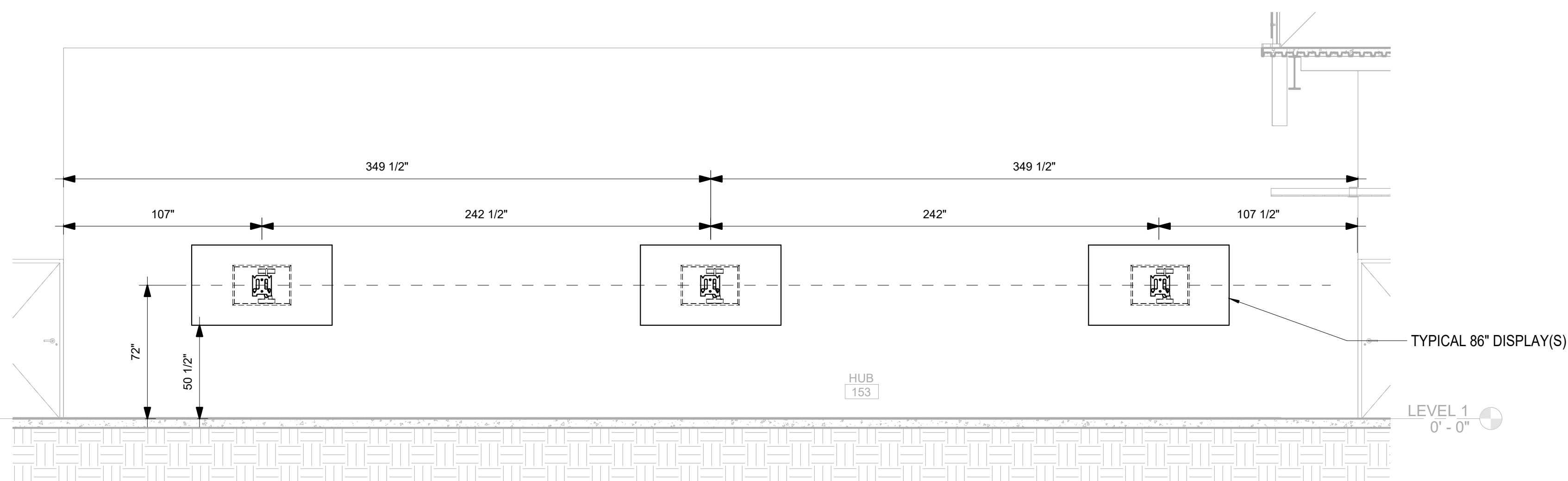
1 AV-301	AV ELEVATION DETAILS - VOTING MULTIPURPOSE 1544 = 1'-0"	2 AV-301	AV ELEVATION DETAILS - RECEPTION 154A	1/4" = 1'-0"	3 AV-301	AV ELEVATION DETAILS - CUSTOMER SERVICE / CASHIER 121	1/4" = 1'-0"
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4 AV-301	AV ELEVATION DETAILS - CONFERENCE 126	1/4" = 1'-0"	5 AV-301	AV ELEVATION DETAILS - MTG 135	1/4" = 1'-0"	6 AV-301	AV ELEVATION DETAILS - LOBBY B 120B	1/4" = 1'-0"
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7 AV-301	AV ELEVATION DETAILS - PROJECTION SCREEN - PROJECTOR	1/4" = 1'-0"	8 AV-301	AV ELEVATION DETAILS - CONF 138	1/4" = 1'-0"
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9 AV_301	AV ELEVATION DETAILS - CONFERENCE ROOM SIDE VIEW	1/4" = 1'-0"	10 AV_301	AV ELEVATION DETAILS - HUB 153	1/4" = 1'-0"
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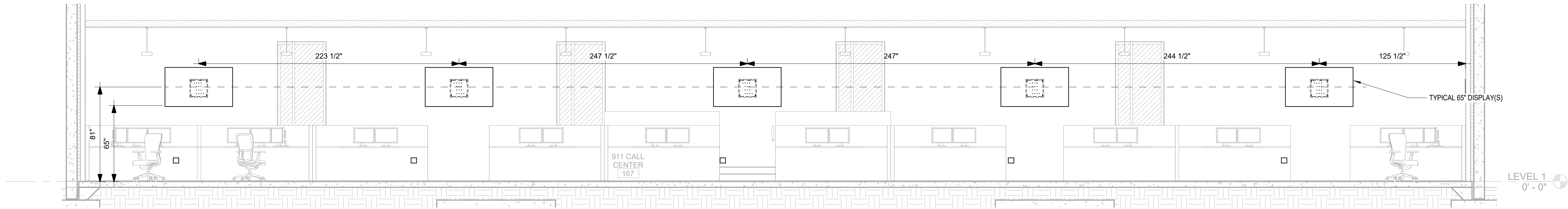
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AUDIO VISUAL
ELEVATION DETAILS

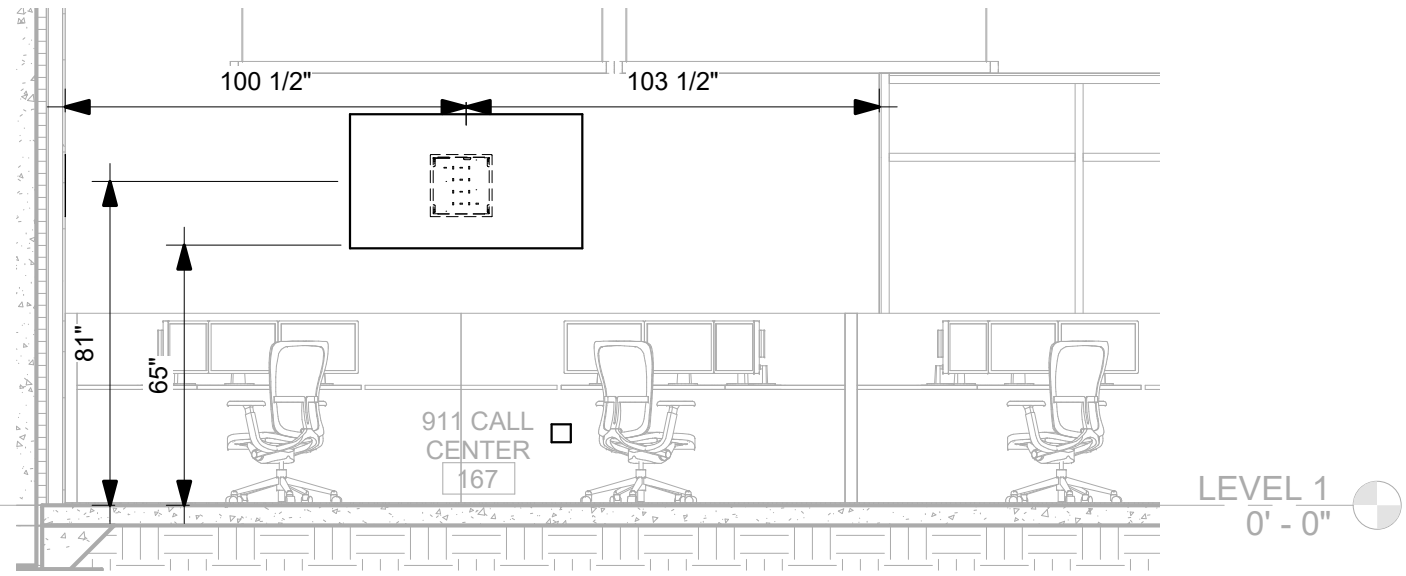
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MEET: **AV-302**

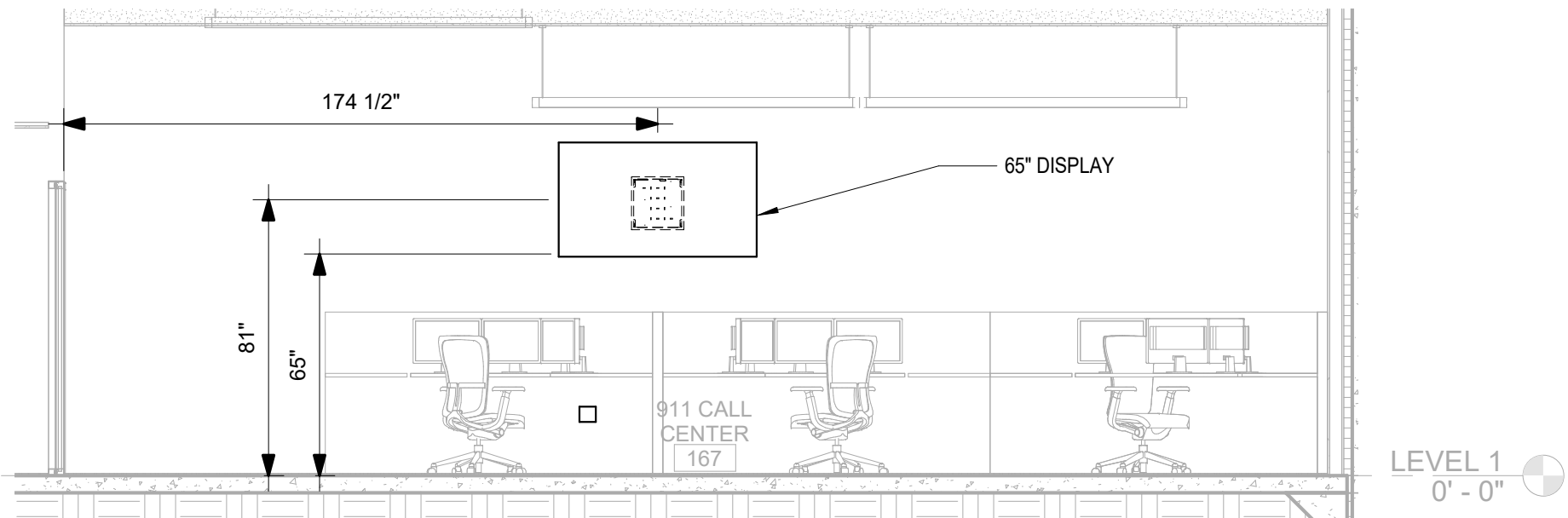
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1 AV-302	AV ELEVATION DETAILS - 911 CALL CENTER 167 - WEST WALL	1/4" = 1'-0"
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2	AV ELEVATION DETAILS - 911 CALL CENTER 167 - NORTH WALL	3	AV ELEVATION DETAILS - 911 CALL CENTER 167 - SOUTH WALL	1/4" = 1'-0"
AV-302		AV-302		



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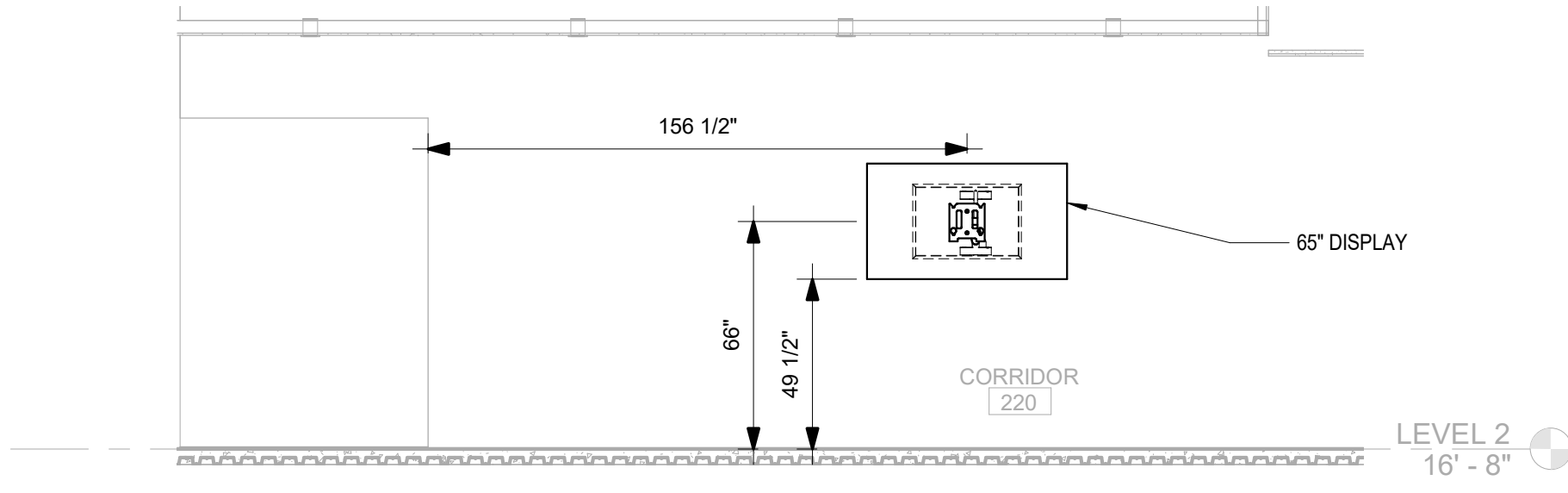
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AUDIO VISUAL
ELEVATION DETAILS

DATE: 2020.11.20

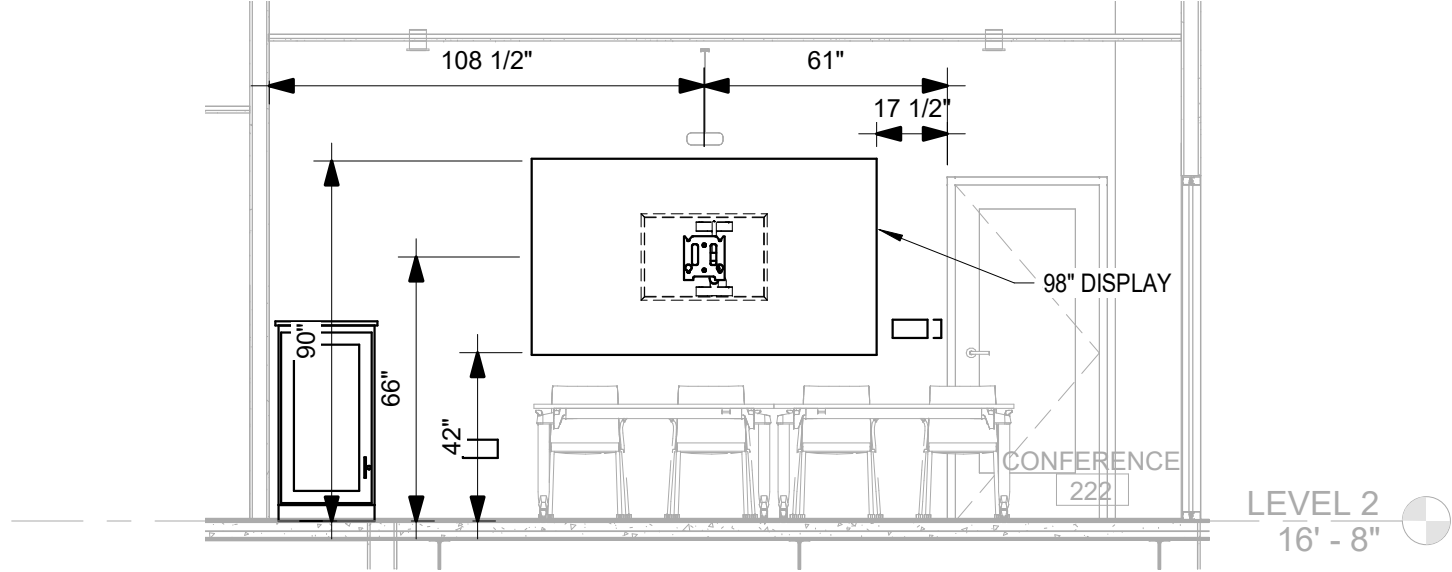
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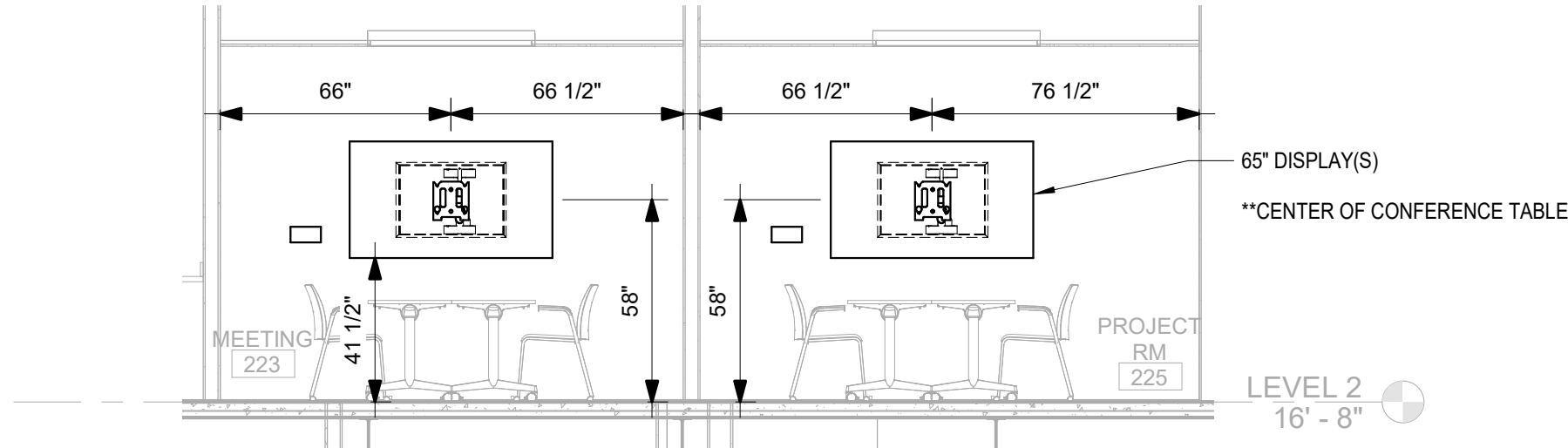
AV-303

TI GMP SET

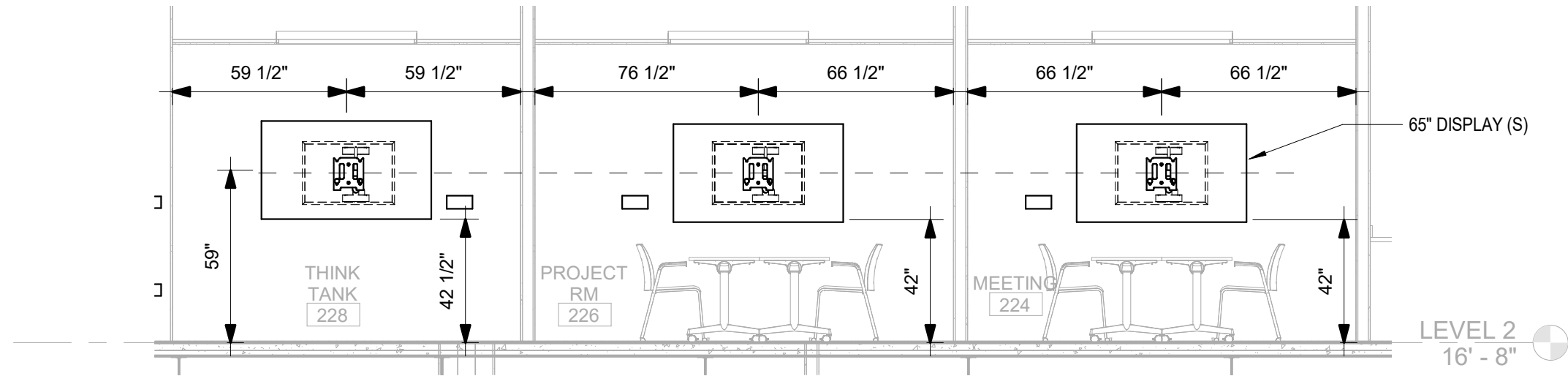
1	AV ELEVATION DETAILS - CORRIDOR 220
AV-303	



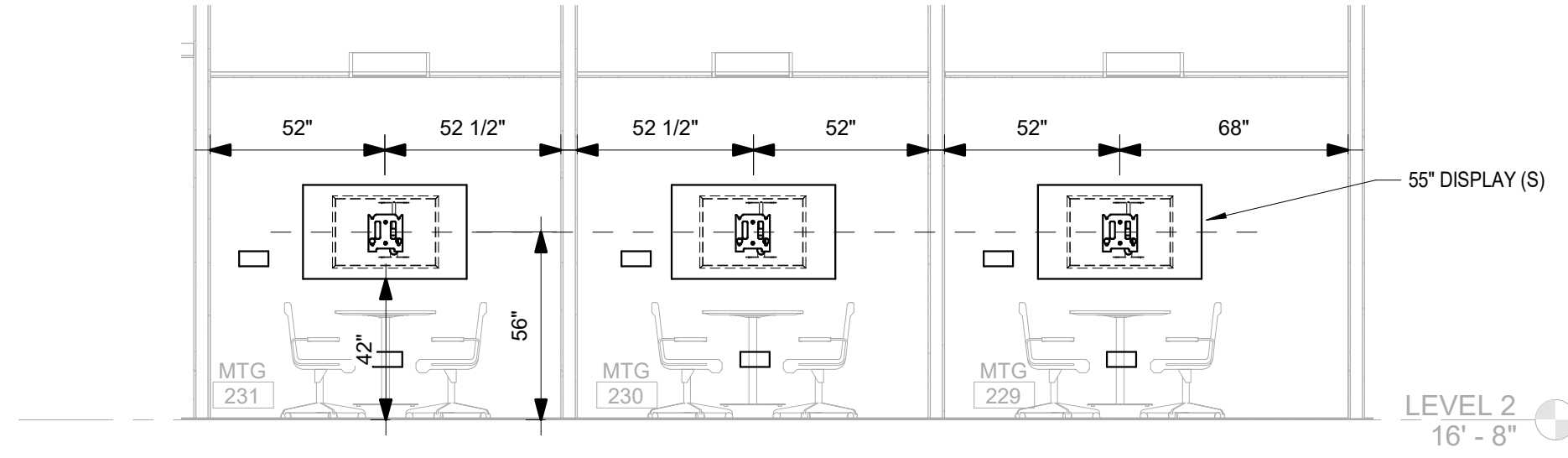
2 AV-303	AV ELEVATION DETAILS - CONFERENCE 222	1/4" = 1'-0"
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3 AV-303	AV ELEVATION DETAILS - MEETING / PROJECT RMS	1/4" = 1'-0"
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4	AV ELEVATION DETAILS - MEETING ROOM(S)
AV-303	



5	AV ELEVATION DETAILS - MTG ROOM (S)	1/4" = 1'-0"
AV-303		

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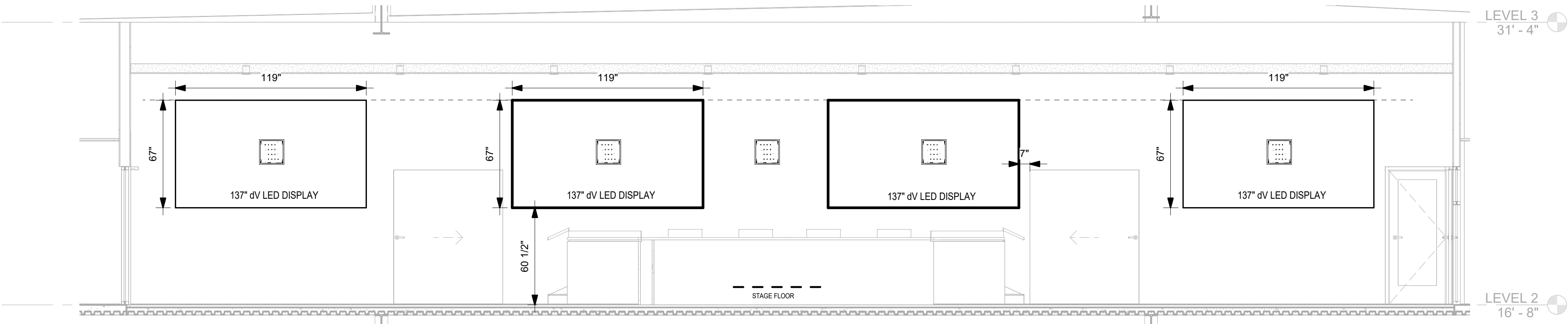
SHEET NAME:
AUDIO VISUAL
ELEVATION DETAILS

DATE: 2020.11.20
CURRENT: TI GMP SET

MEET:

AV-304

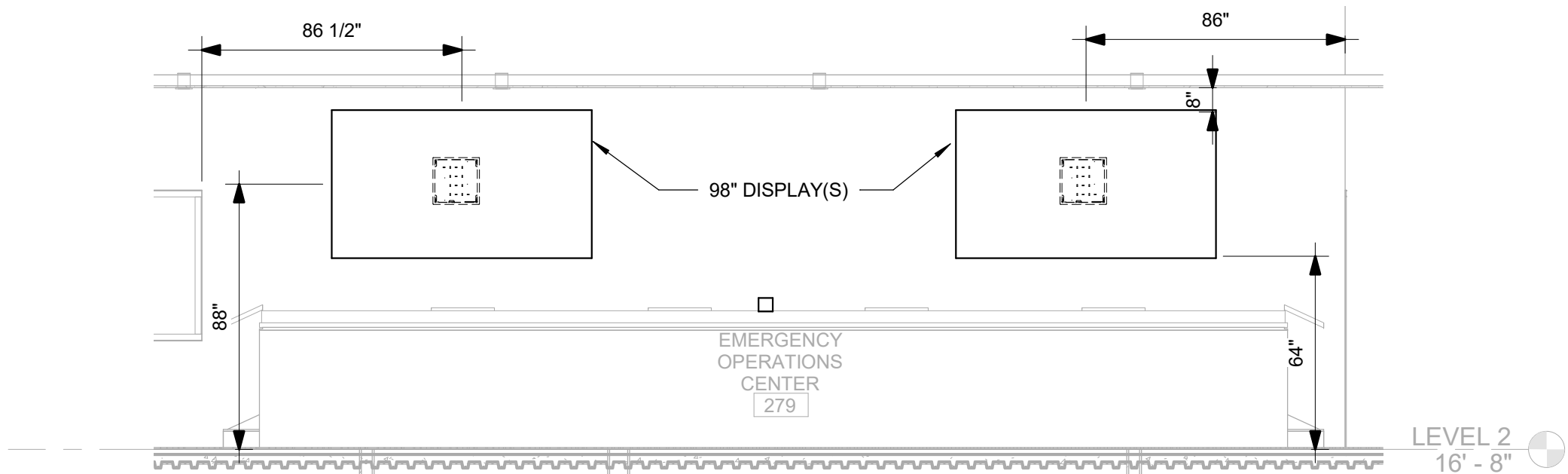
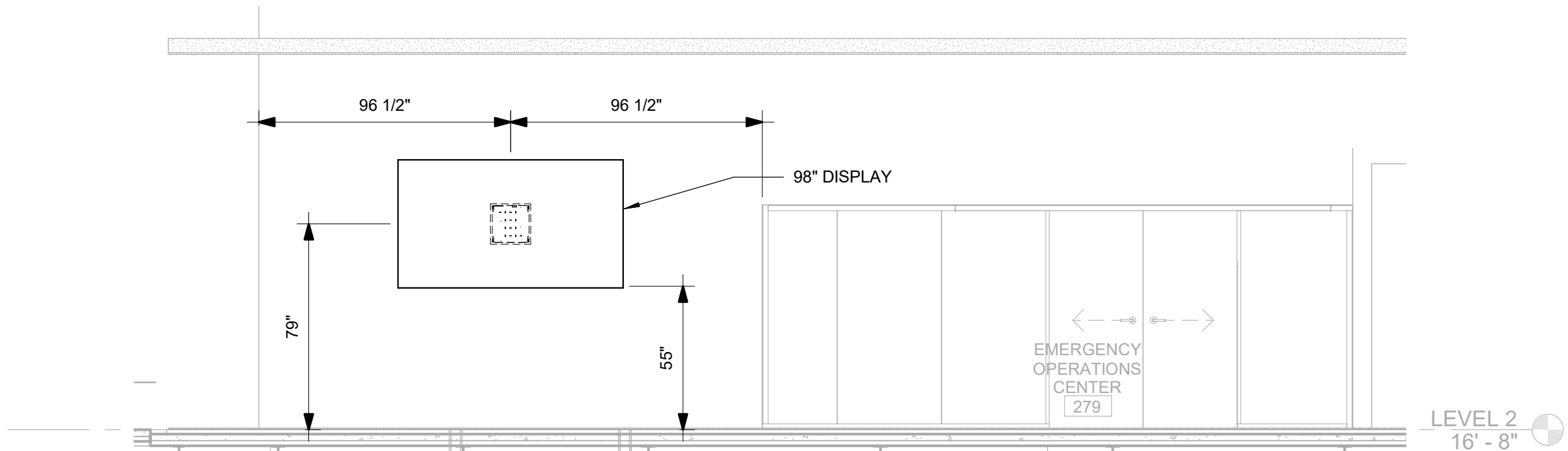
I GMP SET



- NOTES:**
- 1. RESOLUTION OF THE DISPLAY(S) :
 - a. COMBINATION OF 1080P / UHD 4K DISPLAYS.
 - 2. FRONT (WEST) WALL SHOWN:
 - (x4) 137" dv LED DISPLAYS 1.5mm PIXEL PITCH (1080P),
 - EACH 137" dv LED DISPLAYS WEIGHS 500 lbs NET,
 - EACH 137" DISPLAYS DRAWS 3135 WATTS POWER.
 - 3. INCLUDED BUT NOT SHOWN -
 - (x1) 98" DISPLAY ON NORTH WALL (1080P / 4K),
 - (x1) 98" DISPLAY ON SOUTH WALL (1080P / 4K),
 - (x2) 98" DISPLAY ON EAST WALL (1080P / 4K),
 - (x1) IP VIDEO SWITCHING EQUIPMENT.
- RECOMMENDED MINIMUM NEAREST VIEWER FROM DISPLAY IN FEET / METERS
(GREATER THAN) > 10' OR MIN 3 METER (OPTIMAL VIEWING)

EOC 279 - MAIN DISPLAY WALL

1/4" = 1'-0"

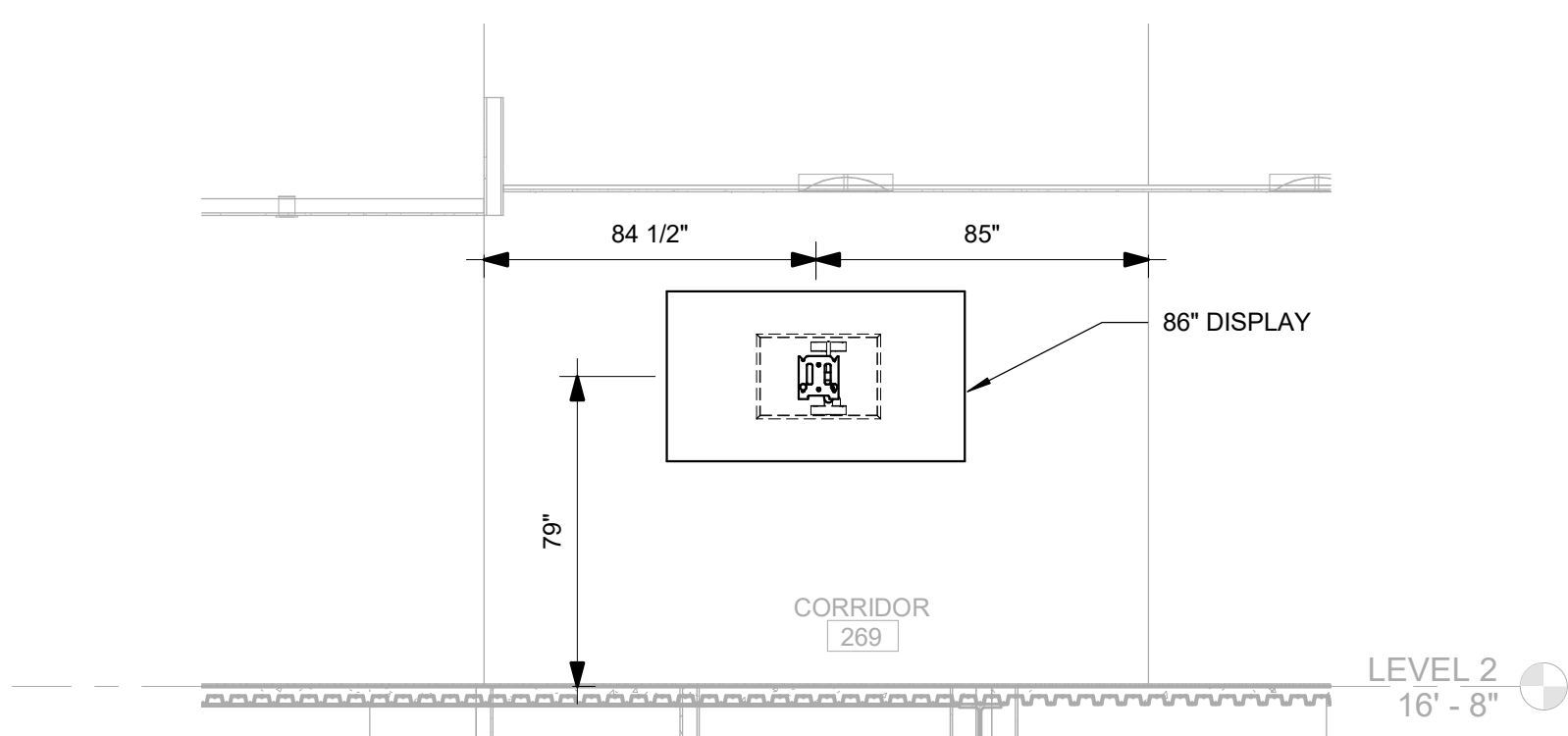
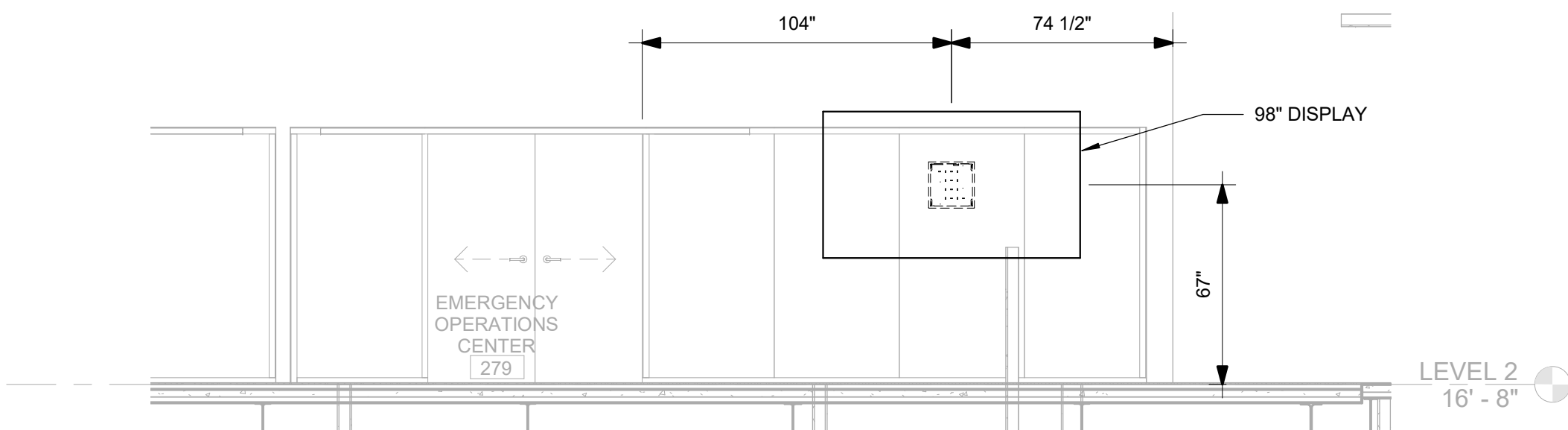


EOC 279 - SIDE DISPLAY WALL (SOUTH WALL)

$1/4'' = 1'-0''$

EOC 279 - WALL ELEVATION DETAILS (EAST WALL)

1/4" = 1'-0"



EOC 279 - WALL ELEVATION DETAILS (NORTH WALL)

$$1/4'' = 1'-0''$$

AV ELEVATION DETAILS - CORRIDOR 269

$$1/4'' = 1'-0''$$

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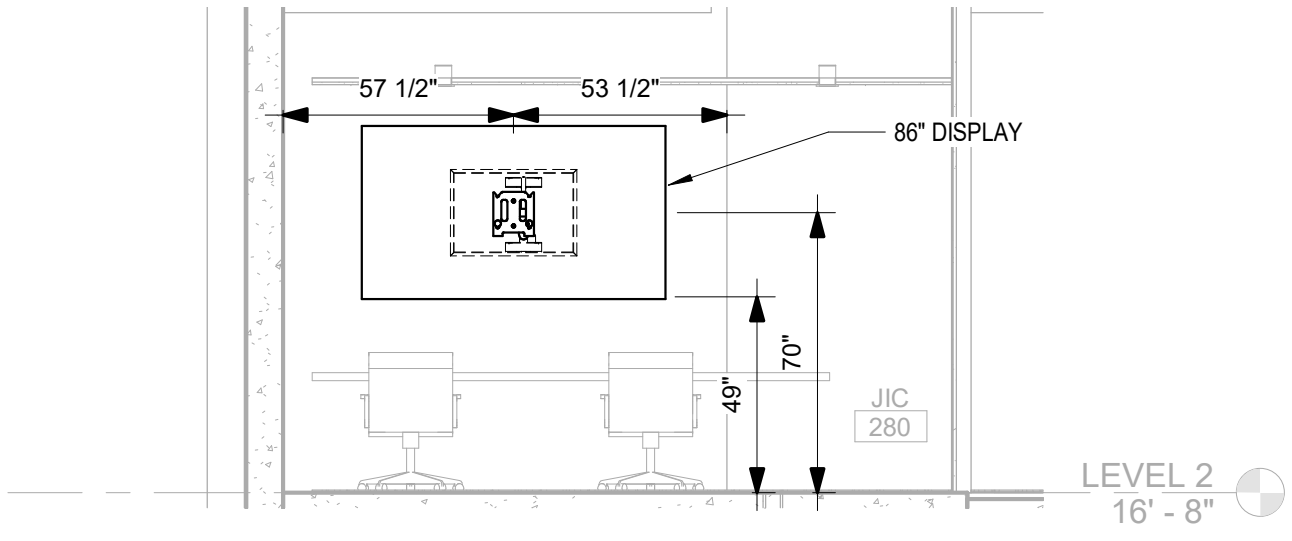
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AUDIO VISUAL
ELEVATION DETAILS

DATE: 2020.11.20
CURRENT: TI GMP SET

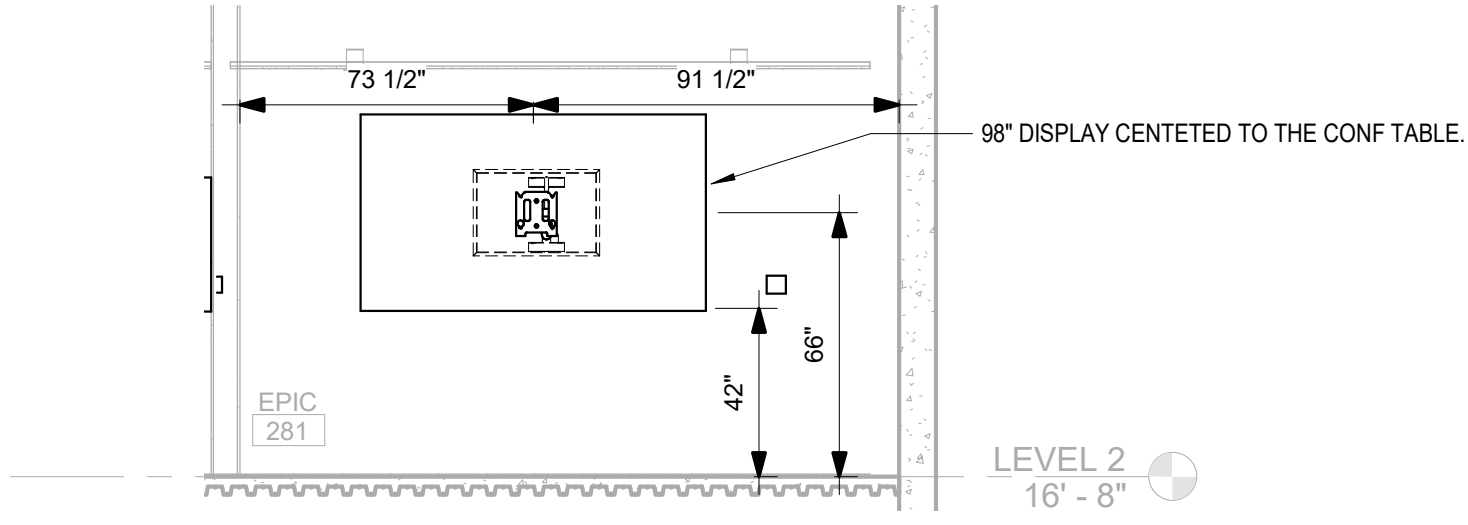
MEET: **ALICE**

AV-305

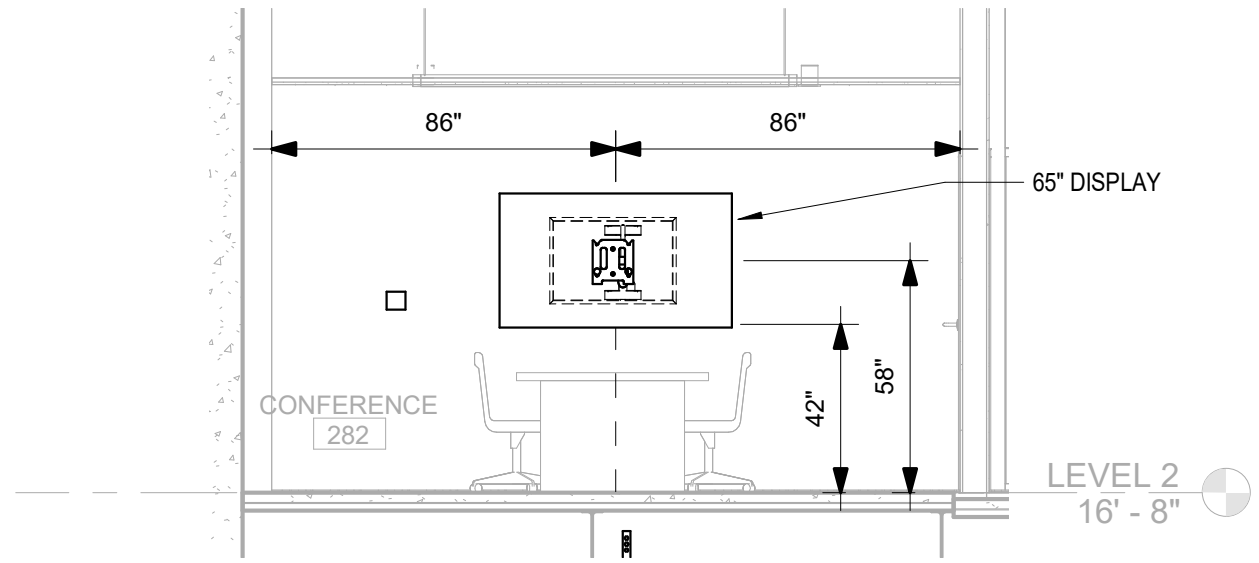
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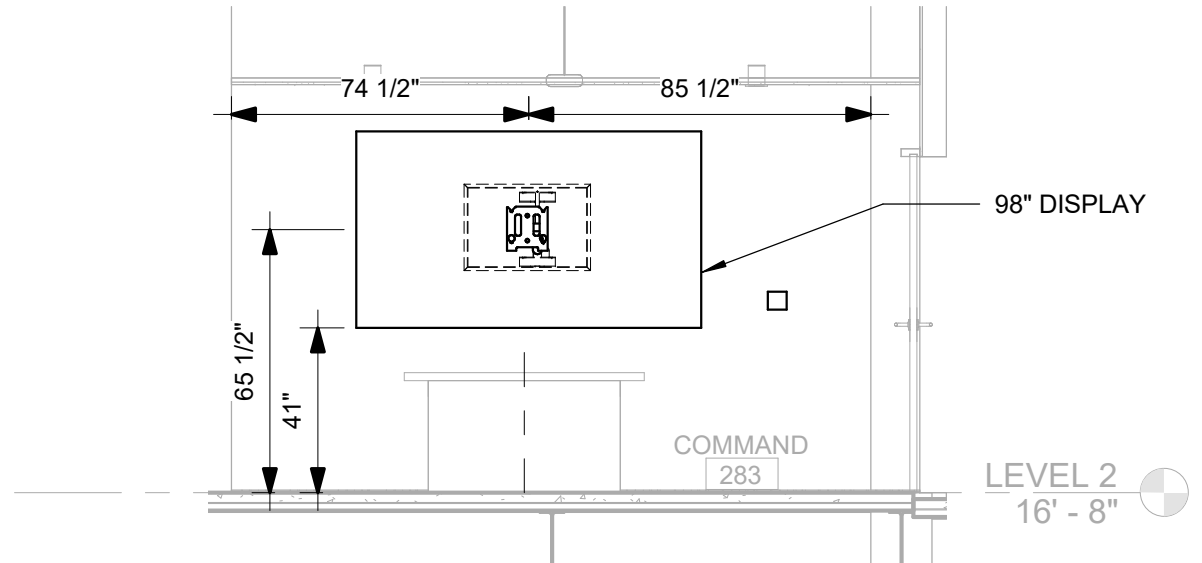
1 AV-305	AV ELEVATION DETAILS - JIC 280	1/4" = 1'-0"
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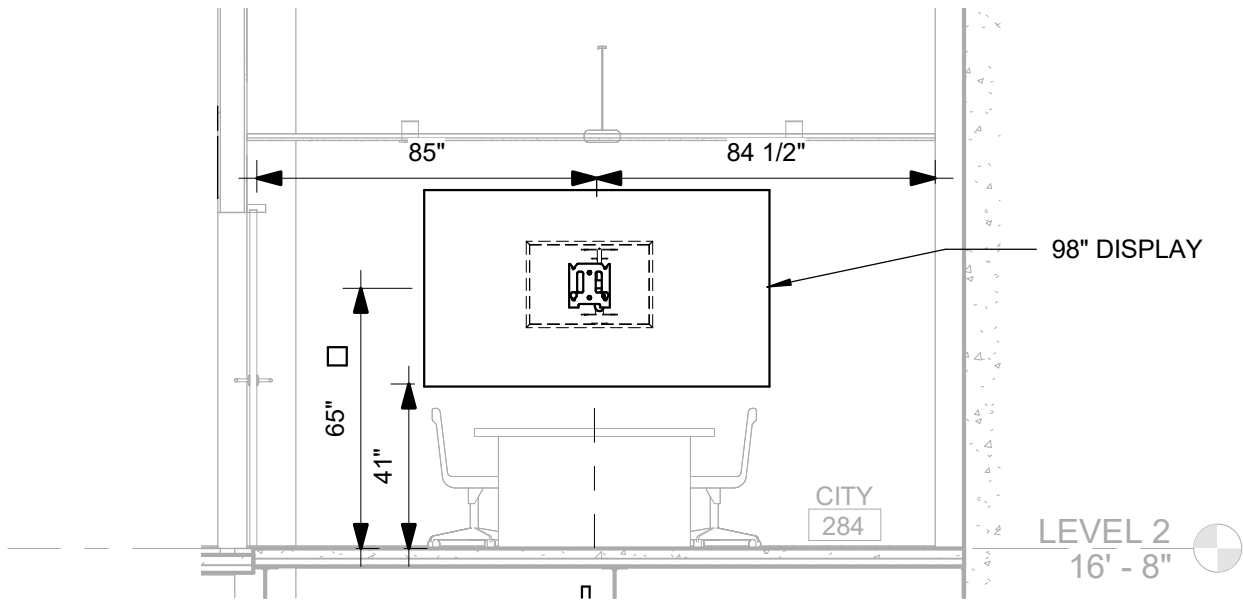
2	AV ELEVATION DETAILS - EPIC 281	1/4" = 1'-0"
AV-305		



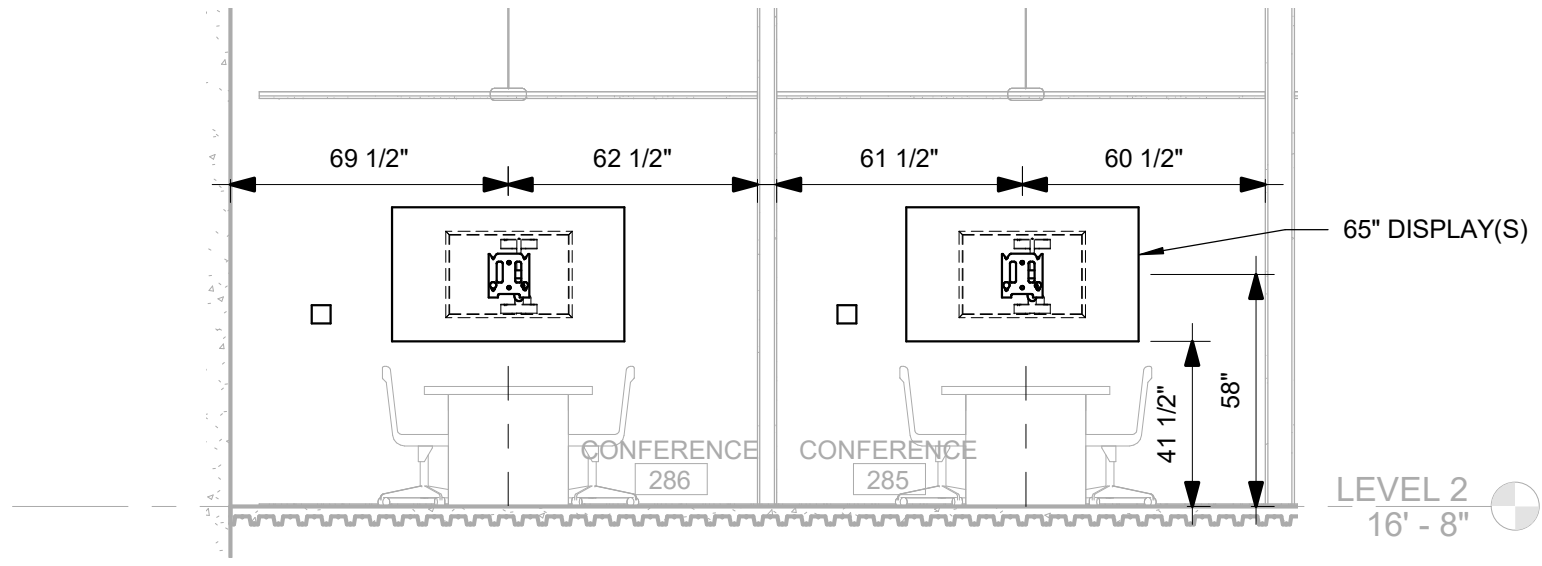
3	AV ELEVATION DETAILS - CONFERENCE ROOM 282	1/4" = 1'-0"
AV-305		



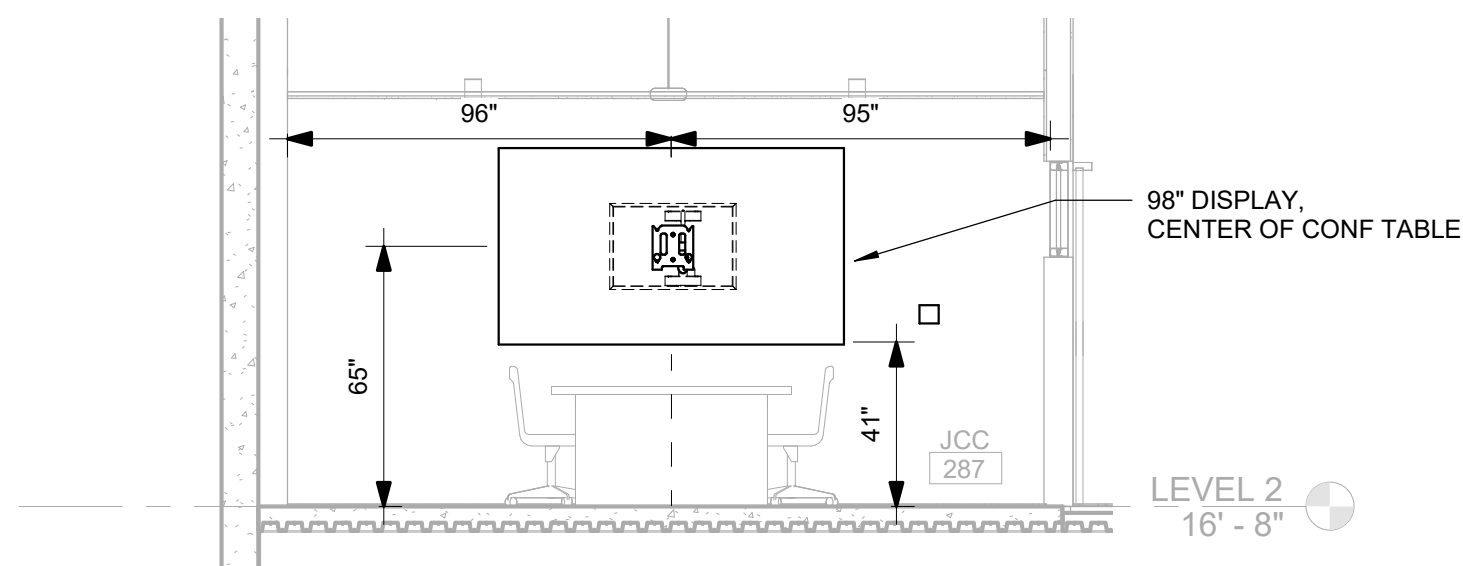
4	AV ELEVATION DETAILS - COMMAND 283	1/4" = 1'-0"
AV-305		



5 AV-305	AV ELEVATION DETAILS - CITY 284	1/4" = 1'-0"
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6	AV ELEVATION DETAILS - CONFERENCE ROOM 285 / 286 = 1'-0"
AV-305	

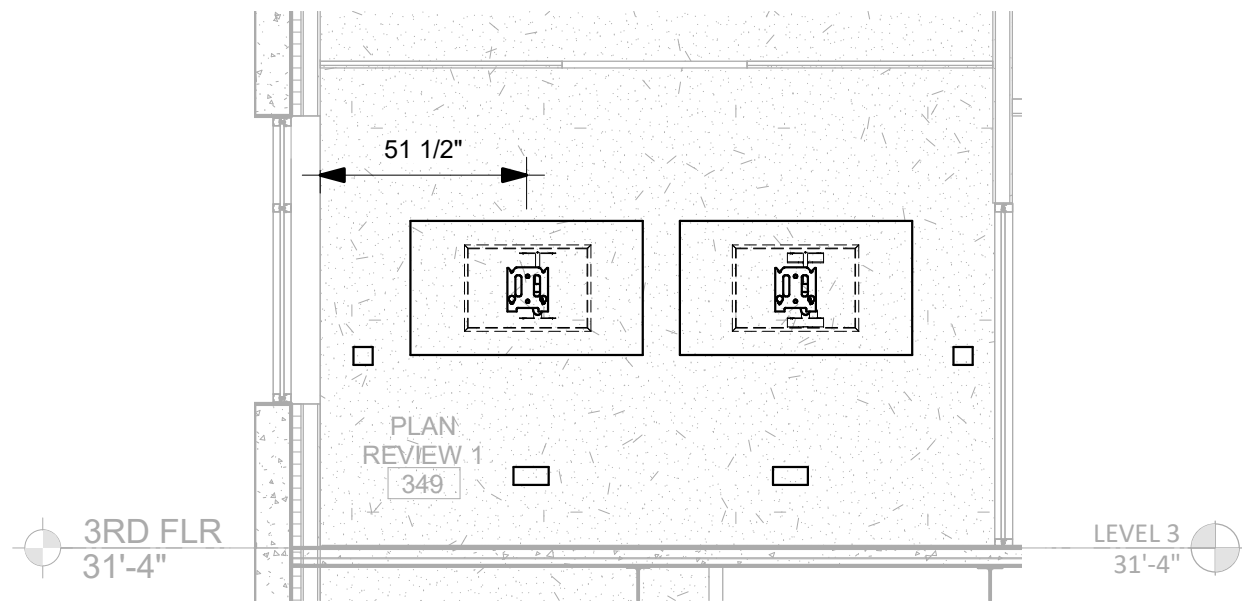


7 AV-305	AV ELEVATION DETAILS - JCC 287	1/4" = 1'-0"
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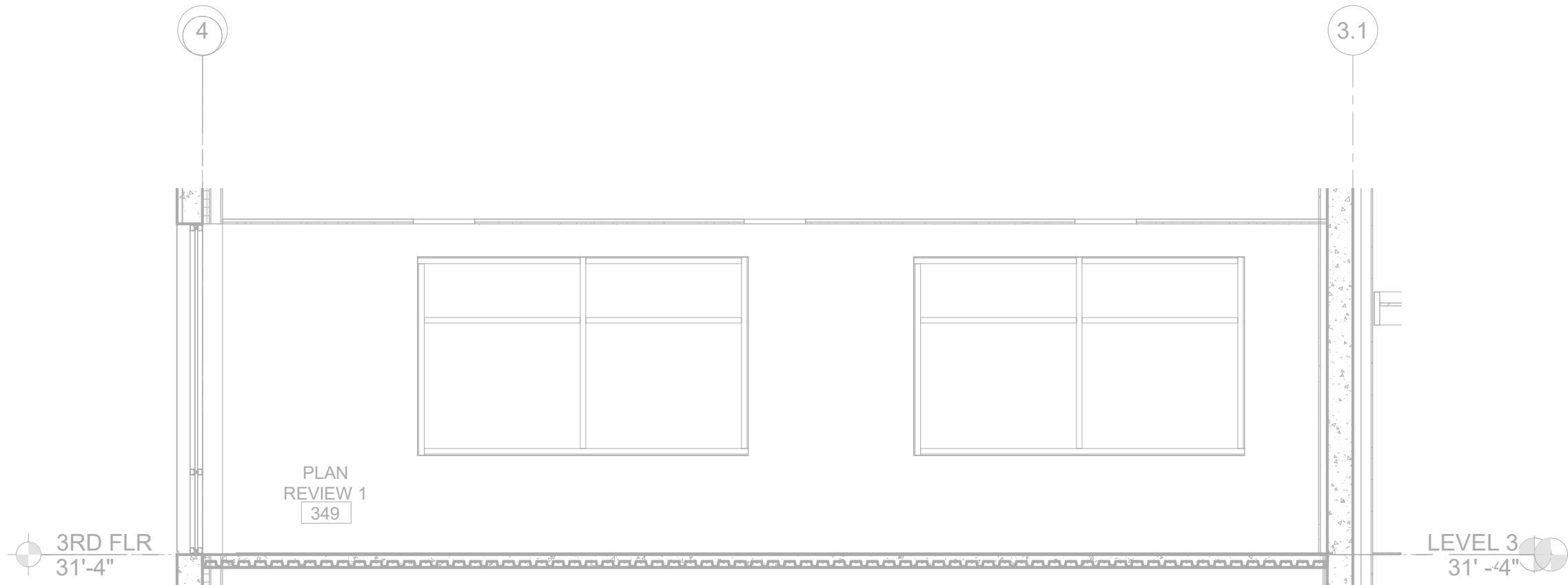
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THE LINE SHOWN INDICATES
THE LOCATION OF THE WALLS OF
THE ROOMS SHOWN. SEE
THE PLAN FOR ROOM SIZES.

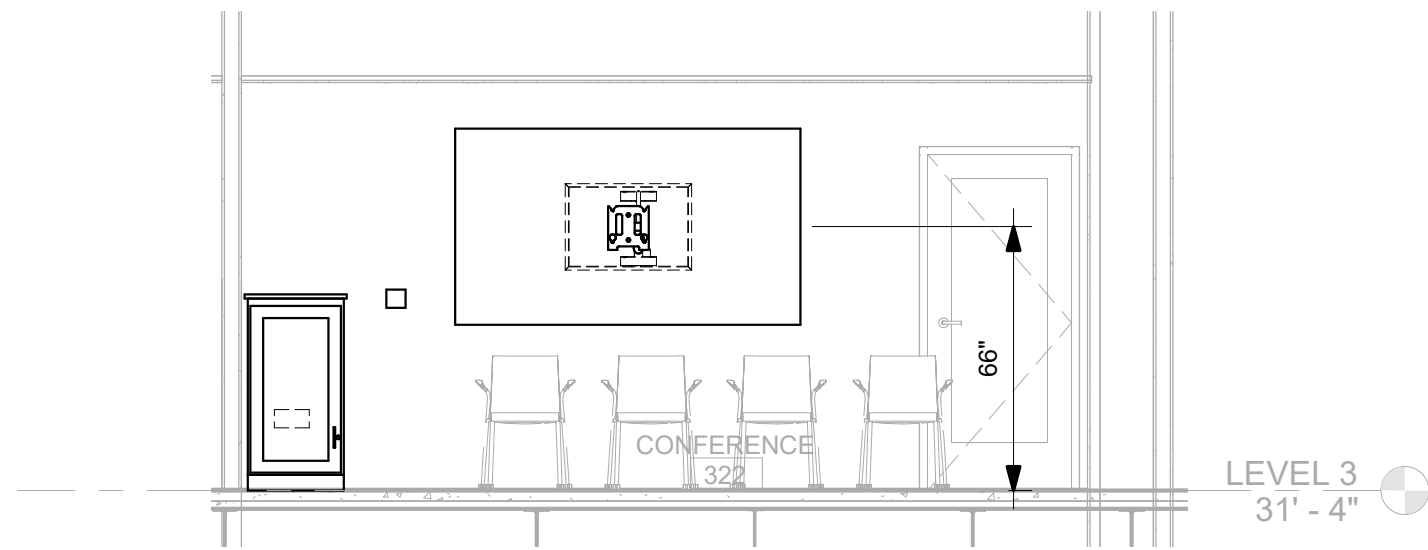
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D

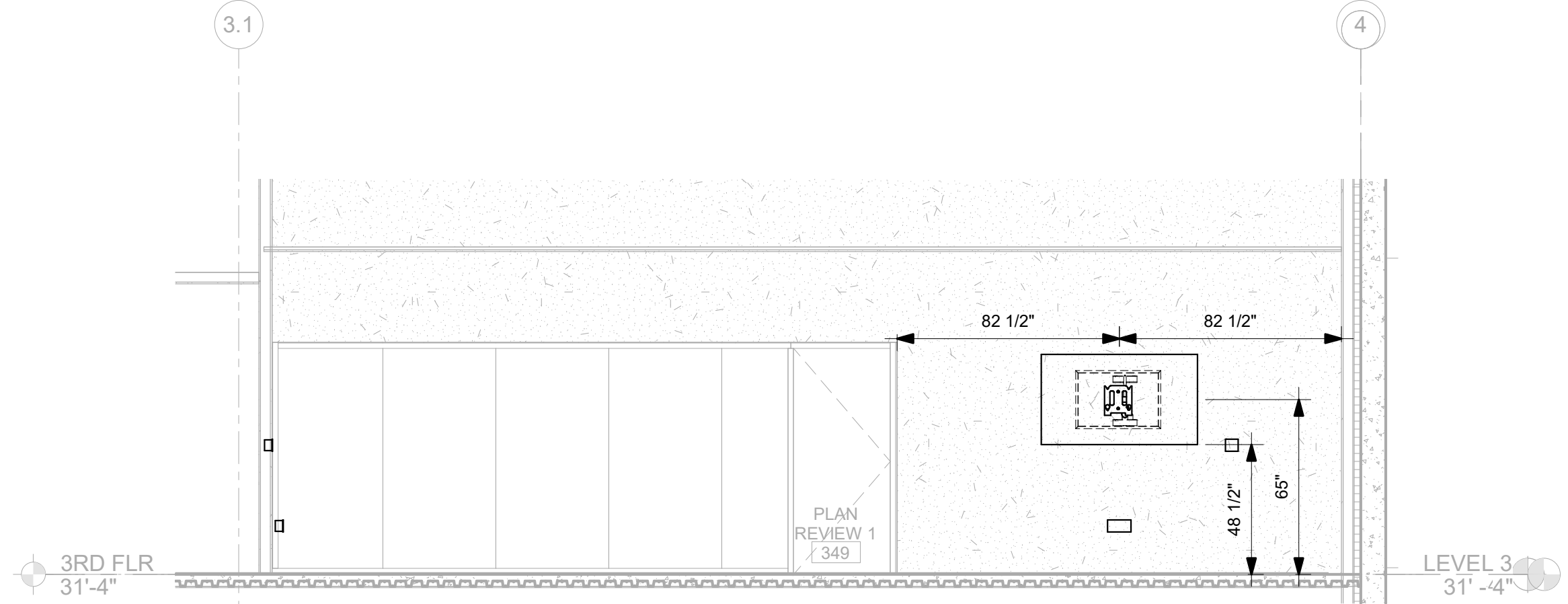


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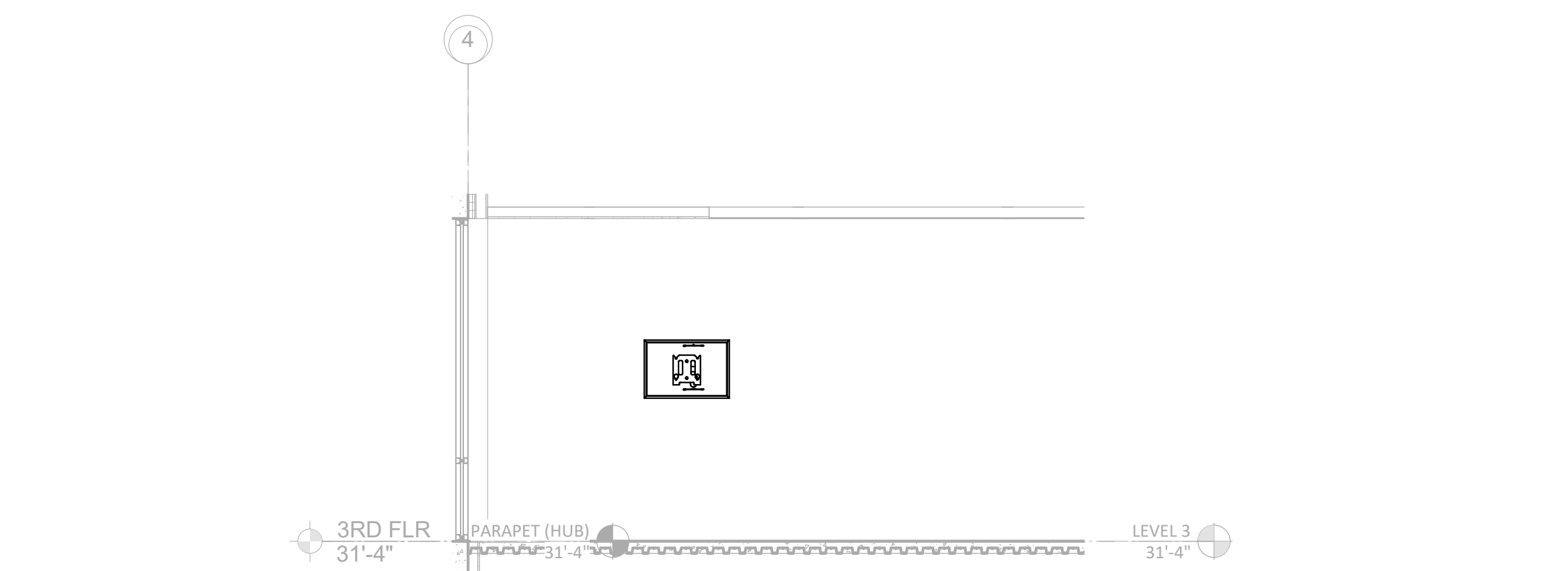


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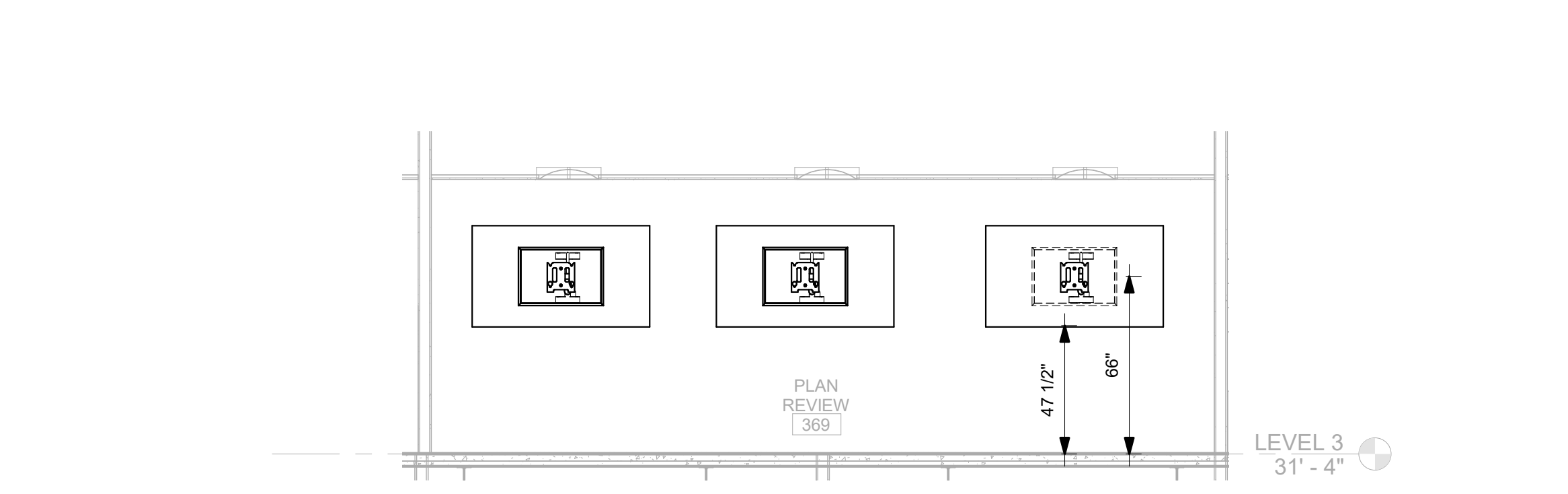
A



1 AV-306	AV ELEVATION DETAILS - PLAN REVIEW 1 EAST WALL	1/4" = 1'-0"	2 AV-306	AV ELEVATION DETAILS - PLAN REVIEW 1 SOUTH WALL	1/4" = 1'-0"
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3 AV-306	AV ELEVATION DETAILS - PLAN REVIEW 1 NORTH WALL	1/4" = 1'-0"	4 AV-306	AV ELEVATION DETAILS - CORRIDOR 320	1/4" = 1'-0"
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5 AV-306	AV ELEVATION DETAILS - CONFERENCE 322	1/4" = 1'-0"	6 AV-306	AV ELEVATION DETAILS - PLAN REVIEW 369	1/4" = 1'-0"
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LS3P PROJECT: 7702-190810

Δ	DATE	DESCRIPTION

SHEET NAME:
AUDIO VISUAL
ELEVATION DETAILS

DATE:
CURRENT: 2020.11.20
TI GMP SET

SHEET:
AV-306

TI GMP SET

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3 AV-401	AV FLAT PANEL DISPLAY PAC501 MOUNT DETAILS	NTS	4 AV-401	AV FLAT PANEL DISPLAY PAC526 MOUNT DETAIL	NTS
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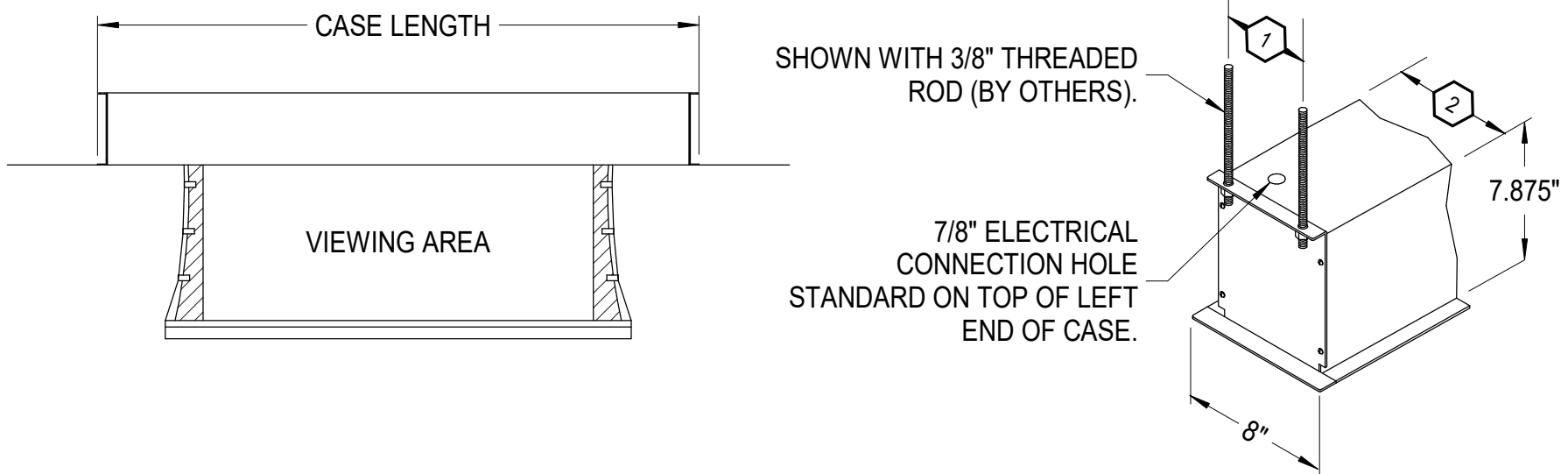
SHEET NAME:
AUDIO VISUAL
DETAILS

DATE: 2020.11.20
CURRENT: TI GMP SET

MEET:

AV-402

I GMP SET



NOTES: (THIS DETAIL ONLY)

1. BASIS OF DESIGN FOR ALL LOW VOLTAGE CONTROLLED FRONT PROJECTION SCREENS IS THE DRAPER ACCESS SERIES V TAB TENSIONED PROJECTION SCREEN.

KEY NOTES: (THIS DETAIL ONLY)

1 4.875" SEPERATION

2 6.875" SEPERATION

NOTES: _____ (THIS DETAIL ONLY)

1. BASIS OF DESIGN IS THE CHIEF MANUFACTURING CMS492C (CEILING MOUNTED PROJECTOR). PROJECTOR, MOUNTING COLUMN, MOUNTING FLANGES ARE NIC, AND SHOWN HERE FOR REFERENCE ONLY (WILL BE PROVIDED BY OTHERS)

2. CENTER CMS492C AT HEIGHT INDICATED ON ELEVATIONS AND FLOOR PLANS.

3. INSTALL CMS492C PER MANUFACTURER'S INSTRUCTIONS.

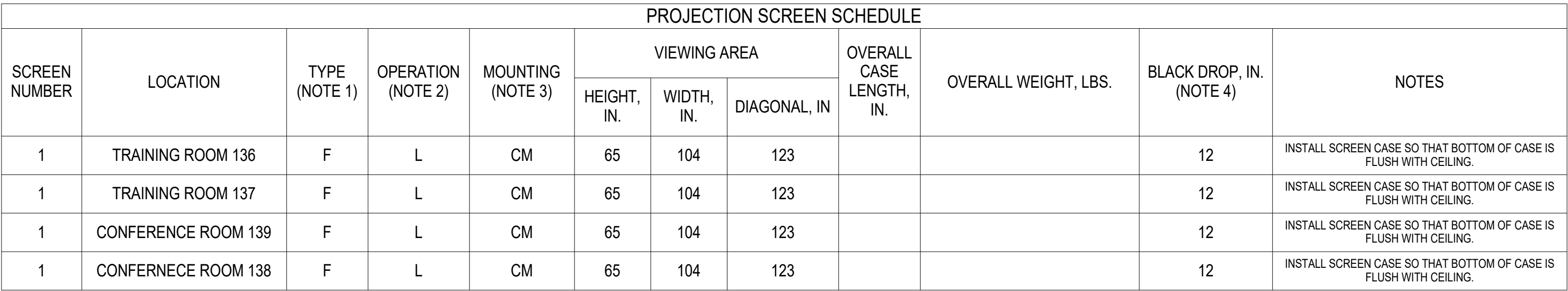
4. PROVIDE TRIM KIT FOR CMS492C.

5. COMPLETE PROJECTOR ASSEMBLY SHALL

6. REFERENCE ARCHITECTURAL DETAILS FOR SOUND ISOLATION REQUIREMENTS

NOTE:
FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS

1 AV-402	AV PROJECTOR MOUNTING DETAILS	3/32" = 1'-0"	2 AV-402	AV - PROJECTION SCREEN	NTS
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NOTES:

1. TYPE.

F	FRONT PROJECTION
R	REAR PROJECTION

2. OPERATION:

M	MANUAL
F	FIXED
L	LOW VOLTAGE

3. MOUNTING:

CR	CEILING RECESSED
CM	CEILING MOUNTED
W	WALL - PROVIDE FLOATING WALL BRACKET
P	PORTABLE
N	NOT APPLICABLE

4. BLACK DROP: BLACK DROP VALUES ARE BASED ON OPTIMAL CALCULATIONS. VERIFY BLACK DROP LENGTHS AND MOUNTING HEIGHTS PRIOR TO ORDERING SCREENS.

5. REFERENCE SPECIFICATION SECTION 27 41 14 FOR ADDITIONAL REQUIREMENTS.

6. SEE MANUFACTURER'S SPECIFICATION

7. BASIS OF DESIGN IS THE DRAPER, INC ACCESS E ELECTRICAL PROJECTION SCREEN

8. VIEWING SURFACE MATERIAL IS MATTE WHITE

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N&B PROJECT: 19N342
Firm License No. F-0312

3 AV-402	AV SCHEDULING PANEL MOUNTING DETAILS	NO SCALE	4 AV-402	PROJECTION SCREEN SCHEDULE	1/8" = 1'-0"
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1/8" = 1'-0"