

PA SOUND LIST

MODEL	ITEM/MODEL	AMOUNT	Watts Per Unit	Total Watts	CUT SHEET	
	Yamaha - CL5 Digital Mixing Control surface	1	800	800	https://usa.yamaha.com/products/proaudio/mixers/cl_series/specs.html#product-tabs	
	Yamaha - Rio3224-D2 Dante I/O Rack	1	120	120	https://usa.yamaha.com/products/proaudio/interfaces/r_series_adda_2/specs.html#product-tabs	
Rio1608-D2	Yamaha - Rio1608-D2 Dante I/O Rack	2	72	144	https://usa.yamaha.com/products/proaudio/interfaces/r_series_adda_2/specs.html#product-tabs	A list has 2 Rio 1608. B list has 1
	Yamaha - LA1L LED Gooseneck Light for Digital Consoles	3		0		
	LM Case- Road Case for CL5	1		1000	http://www.lmcases.com/products/yamaha-cl5-case	
	13 RU Rack with casters	3		500	Part of system	
	Middle Atlantic 4 Drawer Space	1				
	Middle Atlantic 3 Drawer Space	1				
	1 Dell Inspiron 500 Laptop	1		600	https://www.dell.com/en-us/shop/laptops/15_amd/inspiron-15-5595-laptop	
	Whirlwind-Power-LinkR PowerCon in/thru	2			Part of system	
	Yamaha - QL5 Digital Mixing Control surface	1	200	200	https://usa.yamaha.com/files/download/brochure/0/331230/QL_Brochure_fin_en.pdf	
	LM Yamaha QL5 Road Case	1			http://www.lmcases.com/products/yamaha-ql5-mixer-case	
KIVA	L-Acoustics KIVA II - 2-way passive WST enclosure: 2 x 6.5 LF + 1.75 HF diaphragm	14		0	https://www.l-acoustics.com/wp-content/uploads/2018/10/en_kiva_sp_en_5-0.pdf	A list has 14 Kiva II speakers. B list has 12 Kiva II speakers
	L'Acoustics KIBU II Rigging Frame	3			https://www.salesall.eu/en/products/audio/l-acoustics-kibu-ii	A list has 3 rigging frames. B list has 2.
KIBU-SB	L-Acoustics - KIBU-SB - Rigging frame	4		0	https://www.salesall.eu/en/products/audio/l-acoustics-kibu-sb	
LA4X	L-Acoustics - LA4X - Amplified Controller	6	2400	14400	https://www.l-acoustics.com/wp-content/uploads/2018/01/la4x_sps_en_4-0.pdf	A list has 6 LA4X amplifiers. B list has 5.
KIVA PULLBACK	L'acoustics Kiva Pullback	3			https://www.l-acoustics.com/wp-content/uploads/2019/06/kiva_kiva_ii_securing_arrays_with_kiva-pullback_tb_en.pdf	A list has 3 Pullbacks. B list has 2.
SB15M	L-Acoustics SB15M - High power compact subwoofer	2		0	https://www.l-acoustics.com/wp-content/uploads/2019/03/sb15m_sp_en_2-1-1.pdf	
KS-21	L-Acoustics KS-21 - High power subwoofer	2		0	-	
KS-21 Plate	L-Acoustics KS-21 Plate	2		0	-	
X-8	L-Acoustics - X-8 - High Performance Coaxial 2-way Loudspeaker	4		0	https://www.l-acoustics.com/wp-content/uploads/2018/02/x8_sps_en_3-0.pdf	
	L-Acoustics System Calibration	1		0		
	Bulk Speaker Cable and Connectors for KIVA II and SB15M	1		0	Part of system integration	
	Whirlwind Power-Pak Rack Mount L21-30 input/thru to 6 Edison + 6 PowerCon	2		0		
X-12	L-Acoustics - X-12 - 2-way Passive Coaxial Enclosure	6		0	https://www.l-acoustics.com/wp-content/uploads/2018/02/x12_sps_en_3-0.pdf	
	25' 8 pair XLR to XLR Loom	1		0	-	
SP25	25' - NL4 Cable	4		0		
	50' - NL4 Cable	5		0		
	75' - NL4 Cable	4		0		
	NL4 Barrel Connector	4		0		
	NL4 "Y" to 2 x NL2	4		0		
	Whirlwind 48 channel Split w W# out for QL5	1		0	https://www.bhphotovideo.com/c/product/603045-REG/Whirlwind_CSR58PRP_CSR58PRP_Concert_58.html/?ap=y&ap=y&sm=y&sm=y&sf=BI%3A514&gclid=CJ0KCQIApt_xBRDxARIsAAM1qvnRSTdELAbKceMBn778Q5Ph3kPIVG-tTKXIQgF3PQaAiD0EALw_wcB	
	Whirlwind 25' W4 to 48 pair fantail	1		0		
	Whirlwind 10' W3 to 32 pair fantail	1		0	custom ??	
	Whirlwind - 75' Medusa-12 x 4 Subsnake	2		0	https://www.bhphotovideo.com/c/product/351437-REG/Whirlwind_MS_12_4_XL_100_Medusa_Standard_12_Channel.html/?ap=y&ap=y&sm=y&sm=y&sf=BI%3A514&gclid=CJ0KCQIApt_MUMu-5wBPkivpBsasxTFmCfju0kp3u1rF1D27gZs6WIXPijl0ZAN_XsaAmt6EALw_wcB	
	Whirlwind - 50' Medusa-12 x 4 Subsnake	1		0	https://www.bhphotovideo.com/c/product/351436-REG/Whirlwind_MS_12_4_XL_050_Medusa_Standard_12_Channel.html	
1300-100A-09-2-03	Motion Labs 100A 3 phase Distro	1		0	https://www.motionlabs.com/wp-content/uploads/1300-100A-09-2-03.pdf	
	10' XLR-XLR Microphone Cable	1		0		
	25' XLR-XLR Microphone Cable	1		0		
	50' XLR-XLR Microphone Cable	1		0		
	100' XLR-XLR Microphone Cable	1		0		
	K&M - Short Tripod Boom	1		0	https://www.bhphotovideo.com/c/product/184848-REG/K_M_25900_500_55_259_Low_Tripod_Microphone.html	
	K&M - Tall Tripod Boom	1		0	https://www.bhphotovideo.com/c/product/154626-REG/K_M_21020_500_55_210_2_Tripod_Microphone_Stand.html	
	K&M - Tall Round Base Mic Stand (Black)	1		0	https://www.bhphotovideo.com/c/product/290530-REG/K_M_26010_500_55_260_1_One_Hand_Adjustable_Microphone.html	
				0		
TRA REG	Training (2 days)			0		
CAL REG	System Validation			0		

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HUMANITIES BUILDING
222-25 56TH AVE
BAYSIDE, NY 11364

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 CITY UNIVERSITY OF NEW YORK DEPT OF DESIGN, CONSTRUCTION AND MANAGEMENT

CONTRACT NO. CITYW-CUCF-08-10
DASN PROJECT NO. 309040

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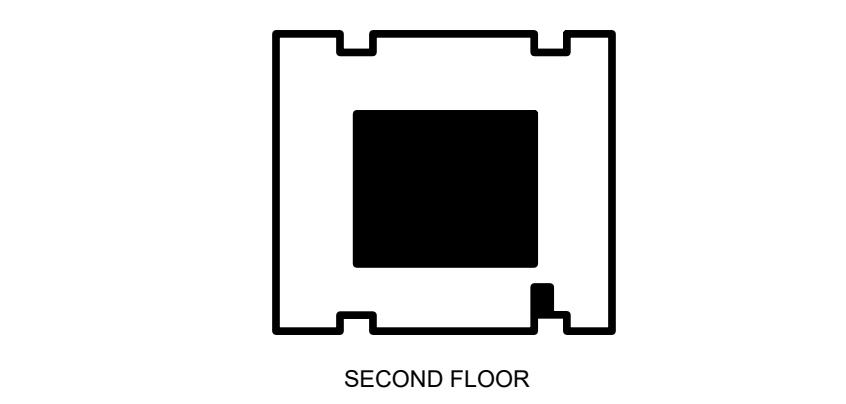
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03	02-14-2020	REVISED PER SITE MEETING
02	01-24-2020	ISSUED FOR AV SCOPE
01	01-07-2020	ISSUED FOR AV SCOPE
REV	DATE	DESCRIPTION



KEY PLAN 

AV
EQUIPMENT LIST
PA SOUND SYSTEM

GCE Project No. - 1277.01.00
Scale: As Noted
Designed by:
Drawn by:
Checked by:
Date: 01/22/2020
Drawing No.:

AV-403.00

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TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

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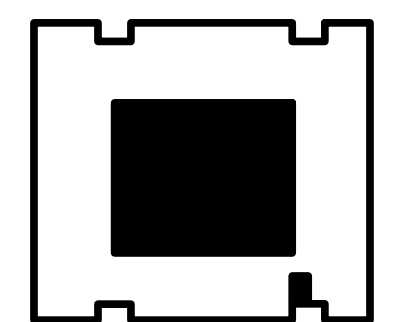
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REV	DATE	DESCRIPTION
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SECOND FLOOR



KEY PLAN

**AV
SYMBOLS AND NOTES**

GCE Project No. 1277.01.00
Scale: As Noted
Designed by:
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Date: 01/22/2020
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ELECTRICAL ABBREVIATIONS	
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
CAT	CATALOG
C	CONDUIT
CB	CIRCUIT BREAKER
CLOS	CLOSET
CKT	CIRCUIT
CM	CONSTRUCTION MANAGER
CLS	CEILING
CO	CONDUIT ONLY
COMM	COMMUNICATION
CONT	CONTINUATION
CU	COPPER
DF	DRINKING FOUNTAIN
DIAM	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DJB	DOOR CONTROL PANEL J.B.
DN	DOWN
DP	DISTRIBUTION PANELBOARD
DWG	DRAWING
EA	EACH
EB	EMERGENCY BATTERY PACK
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER (EM)	EMERGENCY
EM/NL	EMERGENCY NITE LITE
EXR	REPLACE EXISTING WITH NEW DEVICES AND WIRING
EQUIP	EQUIPMENT
ER	EXISTING TO BE RELOCATED (OLD LOCATION)
EXIST (EX, E)	EXISTING
FAI	FURNISH AND INSTALL
FBO	FURNISHED BY OTHERS
FDR	FEEDER
FDS	FUSED DISCONNECT SWITCH
FIXT	FIXTURE
FLR	FLOOR
FLEX	FLEXIBLE
FT	FEET OR FOOT
G, GND.	GROUND
HG	HUNG CEILING
JB	JUNCTION BOX
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
PB	PULL BOX
PH	PHASE
PNL	PANEL
PWR	POWER
RECEPT	RECEPTACLE
REQ	REQUIRED
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SP	SINGLE POLE
SPEC	SPECIFICATION
STL	STEEL
SPKR	SPEAKER
SW	SWITCH
SYS	SYSTEM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT OR VOLTAGE

GENERAL NOTES	
1.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS AND MAINTAIN HEADROOM.
2.	SCOPE OF WORK: LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR THE COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION; AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED. SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: SECURING OF CERTIFICATES OF COMPLIANCE, RACEWAYS, WIRE, PANELBOARDS, CIRCUIT BREAKERS, SWITCHES, LIGHTING FIXTURES, FUSES, DEVICES, CUTTING AND PATCHING AS REQUIRED FOR NEW WORK, REMOVALS, RELOCATING OF EXISTING EQUIPMENT.
3.	ALL WORK SHALL BE DONE WHEN AND AS DIRECTED BY THE GENERAL CONTRACTOR.
4.	THE CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT OR THE GENERAL CONTRACTOR.
5.	THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENT AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
6.	EXAMINATION OF THE PREMISES: A. PRIOR TO THE SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK. B. ARRANGE FOR SITE VISIT WITH THE BUILDING REPRESENTATIVE. C. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO EXAMINE THE PREMISES WILL NOT BE CONSIDERED.
7.	THE CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES, PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
8.	CONNECTIONS TO EXISTING WORK: A. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. B. TEMPORARY SHUTDOWN OF EXISTING FACILITIES/SERVICES: 1. AT NO ADDITIONAL CHARGE 2. AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES 3. ONLY WITH THE WRITTEN CONSENT OF THE GENERAL CONTRACTOR AND THE BUILDING OWNER'S REPRESENTATIVE/BUILDING ENGINEER. C. ALARM AND EMERGENCY SYSTEMS SHALL NOT BE INTERRUPTED. D. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. E. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.
9.	REMOVAL AND RELOCATION OF EXISTING WORK: A. INSTALL NEW DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR THE PROPER INSTALLATION OF THE NEW SYSTEM. B. DISPOSE OF ALL UNUSED ELECTRICAL EQUIPMENT AND/OR AS DIRECTED BY THE GENERAL CONTRACTOR.
10.	ALL CORE DRILLING AND CORE CHASING SHALL BE DONE ON PREMIUM TIME, UNLESS OTHERWISE DIRECTED BY OWNER AND BUILDING MANAGER.
11.	ALL CONDUITS, ETC. SHALL BE SUPPORTED FROM THE BUILDING STEEL STRUCTURE ONLY. COORDINATE WITH CONSTRUCTION MANAGER.
12.	SECURE ALL SUPPORT TO BUILDING STRUCTURE AS SPECIFIED UNDER RACEWAYS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. SUPPORT RACEWAY RISER AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
13.	PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY SHALL BE WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
14.	CUT CONDUIT ENDS SQUARE, REAM SMOOTH, PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND, DRAW UP TIGHT WITH RACEWAY COUPLINGS.
15.	ALL PULLBOXES SHALL BE LABELED TO IDENTIFY EQUIPMENT BEING SERVED.
16.	LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. IN RACEWAYS OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.
17.	PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY NATIONAL ELECTRIC CODE.
18.	SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. INSTALL/ERECT ELECTRICAL EQUIPMENT/WIRING DEVICES IN ADVANCE OF FURRING AND FIRE PROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
19.	PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF POWER AND EACH LOW VOLTAGE SYSTEM.
20.	COORDINATE WITH ARCHITECT FOR FINAL LOCATION OF ALL FLOOR AND WALL OUTLETS.
21.	VERIFY LOCATIONS OF RECEPTACLE OUTLETS AND EQUIPMENT WITH ARCHITECTURAL DRAWINGS FOR INTERIOR DETAILS AND FINISHES IN CENTERING OUTLETS AND LOCATION OF BOXES AND OUTLETS. ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATIONS IN FIRE PROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE AND RECTIFY ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
22.	JUNCTION AND PULLBOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, RE-ROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE THE PULLING OF WIRE. COVERS OF JUNCTION AND PULLBOXES SHALL BE ACCESSIBLE. FOR EMPTY RACEWAY RUNS PROVIDE PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATION WITH OTHER TRADES.
23.	SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
24.	ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
25.	FOR COMMUNICATION TELEPHONE CONDUITS, PROVIDE PULLBOXES FOR BENDS TOTALING 180°. ALL BENDS SHALL BE WIDE ANGLE RADIIUS. PROVIDE BARRIERS IN PULLBOXES. PROVIDE PULL BOXES AFTER EVERY 100 FT. OF STRAIGHT RUNS. ALL BENDS SHALL BE WIDE SWEEPS.
26.	FOR RECEPTACLE MOUNTING HEIGHT AND POSITION, COORDINATE WITH ARCHITECT, BUILDING OWNER REPRESENTATIVE AND COMMUNICATION/DATA CONSULTANT.

SYMBOL LIST

	AV SPEAKER
	OUTLET BOX
	TERMINAL BOX
	LOW VOLTAGE WIRING XLR DENOTES TYPE '1' DENOTES QUANTITY OF CABLES M DENOTES MALE CONNECTOR F DENOTES FEMALE CONNECTOR
	PULL BOX
	ELECTRICAL PANEL
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX (QUAD) OUTLET (RECEPTACLES)
	HOME RUN (CIRCUITS) TO PANEL
	CONDUITS TURNING UP/DOWN
	DISCONNECT SWITCH (100A SWITCH, 60A FUSED-UNFUSED EXCEPT WHERE FUSE SIZE IS INDICATED. 3 POLE 600V UNLESS OTHERWISE NOTED.
	SURFACE MOUNTED PANELBOARD, U.O.N.
	RECESSED MOUNTED PANELBOARD, U.O.N.

XLR
NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 3 PIN CONNECTOR)
BELDEN 8779MN 22 AWG
STANDARDIZE WIRE PULLS:
EACH CABLE PULL SUFFICIENT FOR FOUR (4) 3-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
'M' DENOTES MALE CONNECTOR, 'F' DENOTE FEMALE CONNECTOR, WITH CONNECTOR INSTALLED AFTER CABLE PULL

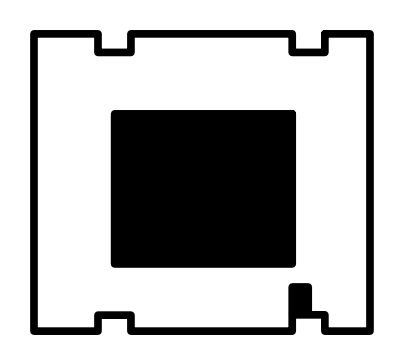
DMX
NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 5 PIN CONNECTOR)
BELDEN 3109A 22 AWG
STANDARDIZE WIRE PULLS:
EACH CABLE PULL SUFFICIENT FOR FOUR (4) 5-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
'M' DENOTES MALE CONNECTOR, 'F' DENOTE FEMALE CONNECTOR, WITH CONNECTOR INSTALLED AFTER CABLE PULL

ETHER
NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 8 PIN CONNECTOR)
BELDEN 1700S6 24 AWG (CAT 5E),
OR BELDEN 1762A 24 AWG (CAT 5E)
STANDARDIZE WIRE PULLS:
EACH CABLE PULL SUFFICIENT FOR FOUR (4) 8-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
INSTALL CONNECTORS AFTER CABLE PULL.

NOTE:
ALL CABLES IN CONDUIT.
ALL CABLES TO BE SHIELDED

DRAWING LIST	
AV-001	AV SYMBOLS AND GENERAL NOTES
AV-101	CELLAR POWER & AV PLAN
AV-102	FIRST FLOOR POWER & AV PLAN
AV-103	SECOND FLOOR POWER & AV PLAN
AV-104	CELLAR & FIRST FLOOR POWER PLAN
AV-401	AV DETAILS
AV-402	AV EQUIPMENT LIST
AV-403	AV EQUIPMENT LIST
AV-404	AV EQUIPMENT LIST
AV-501	AV RISER AND DETAILS
AV-502	ELECTRICAL RISER AND PANEL SCHEDULES

REV	DATE	DESCRIPTION
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SECOND FLOOR

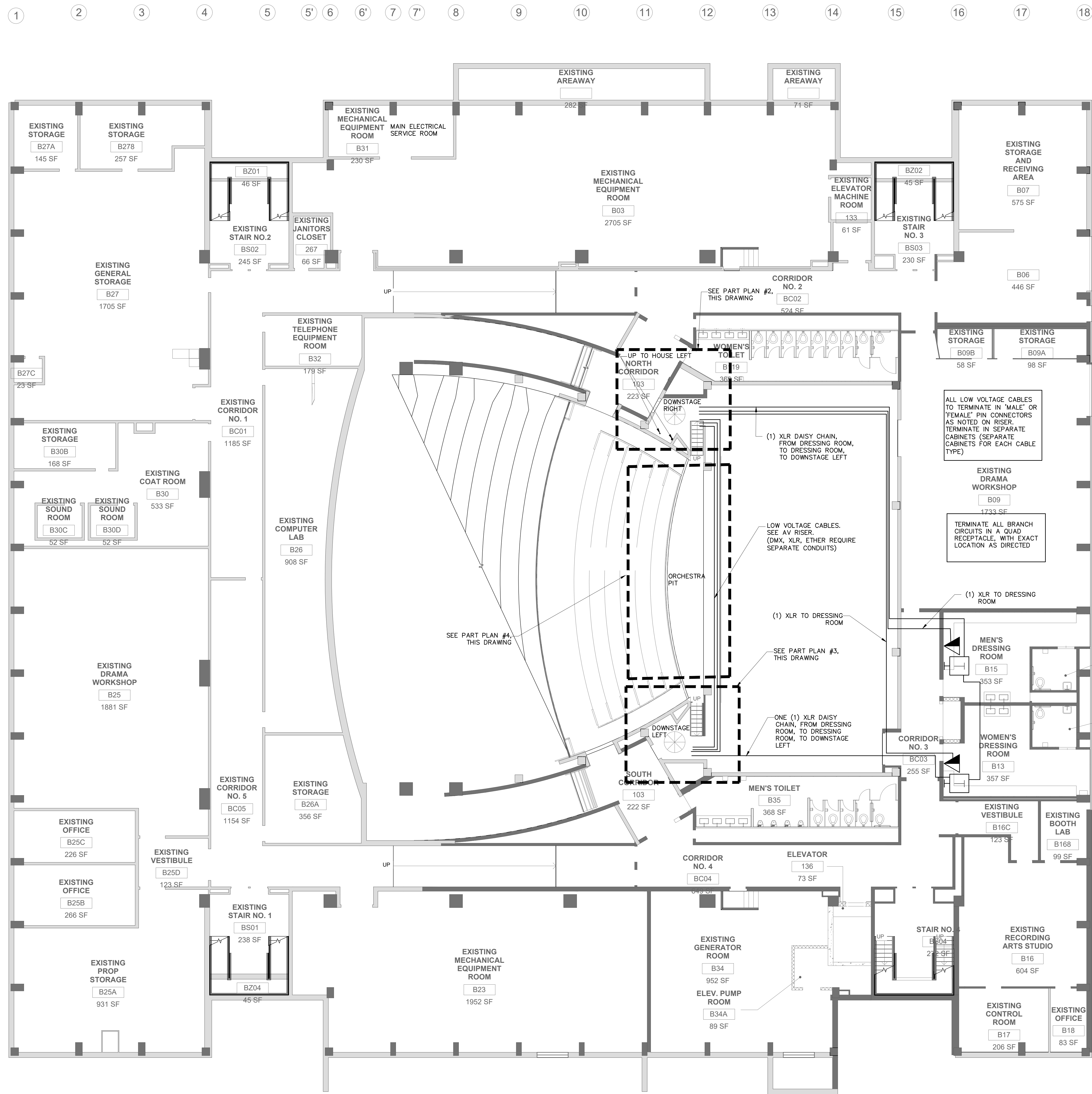
KEY PLAN

CELLAR
POWER AND AV PLAN

GCE Project No. 1277.01.00
Scale: As Noted
Designed by:
Drawn by:
Checked by:
Date: 01/22/2020
Drawing No.:

AV-101.00

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2 CELLAR PART PLAN-POWER
AV-101 SCALE: 1/4" = 1'-0"

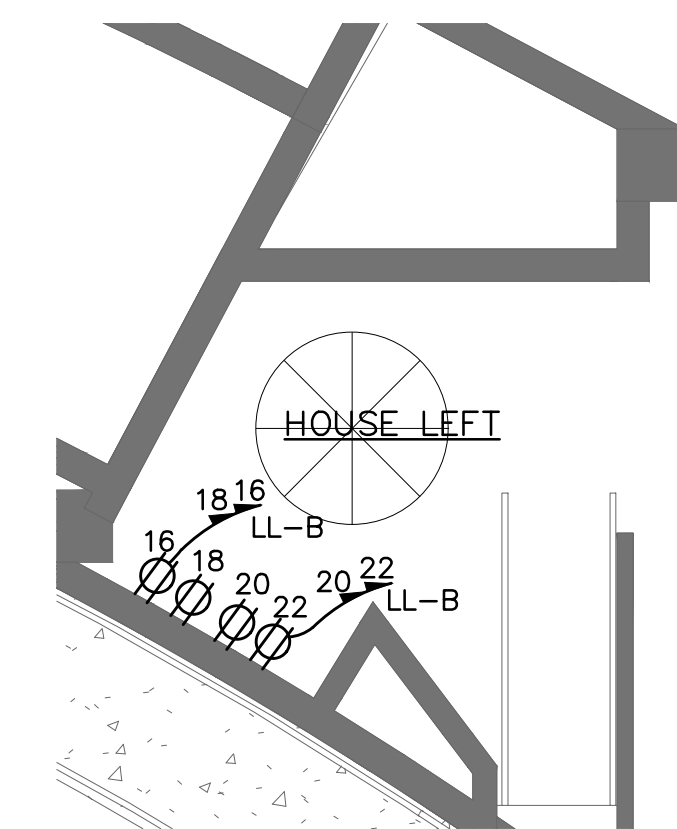
3 CELLAR PART PLAN POWER
AV-101 SCALE: 1/4" = 1'-0"

- I
- J
- K
- L
- M
- N
- O
- P

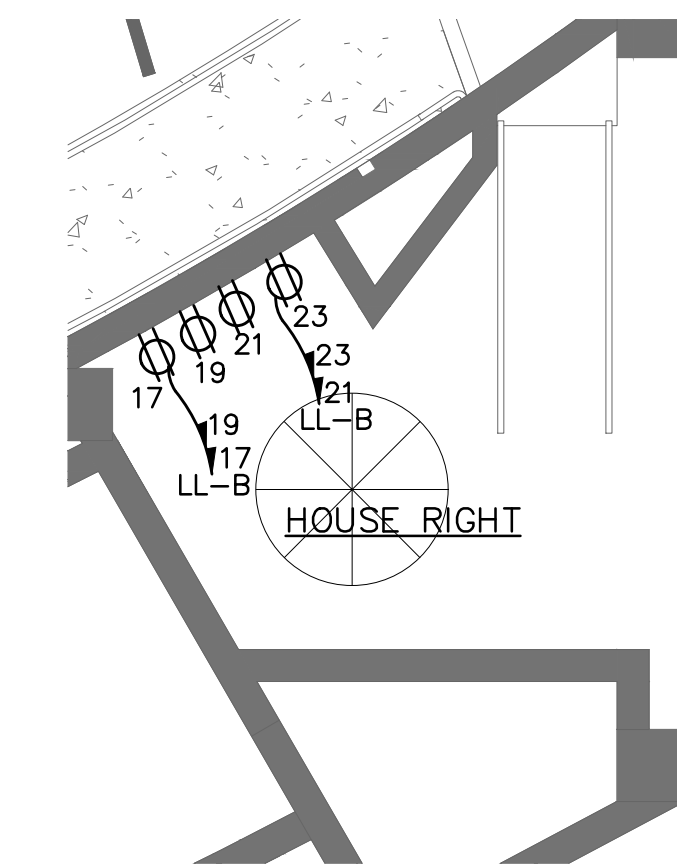
1 CELLAR POWER AND AV PLAN
AV-101 SCALE: 1/8" = 1'-0"

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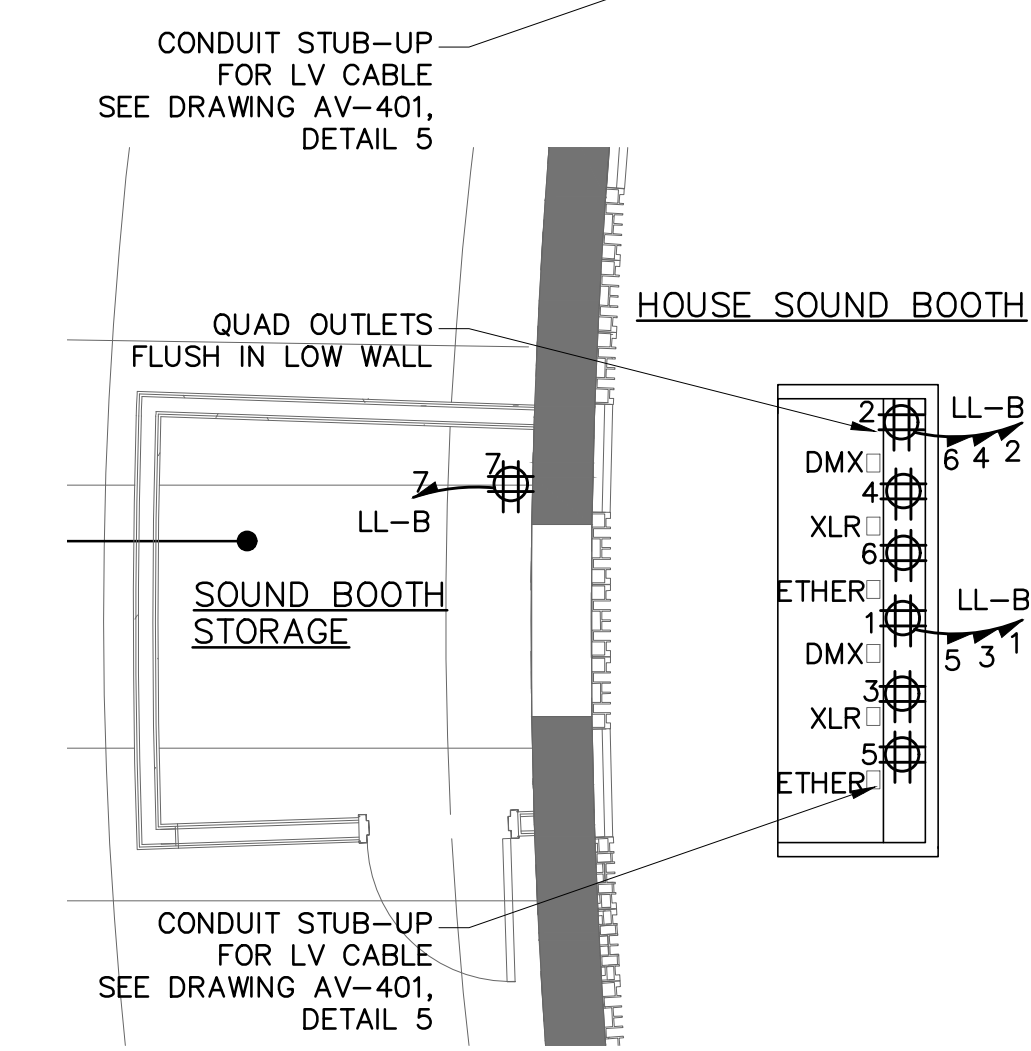
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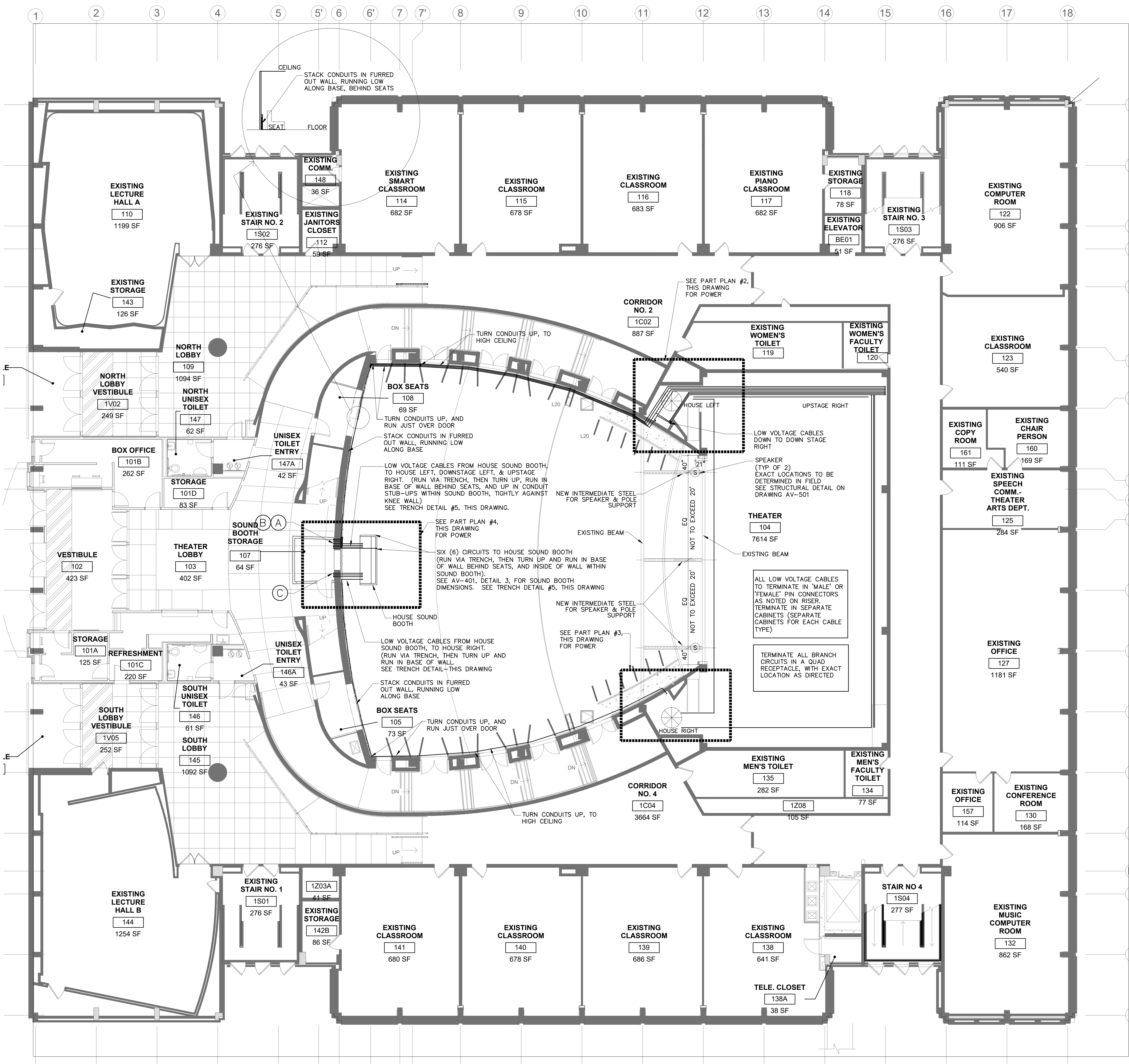
2 1ST FL ELECTRICAL PART PLAN
AV-102 SCALE: 1/4" = 1'-0"



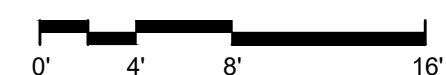
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AV-102 SCALE: 1/4" = 1'-0"



4 1ST FL ELECTRICAL PART PLAN
AV-102 SCALE: 1/4" = 1'-0"

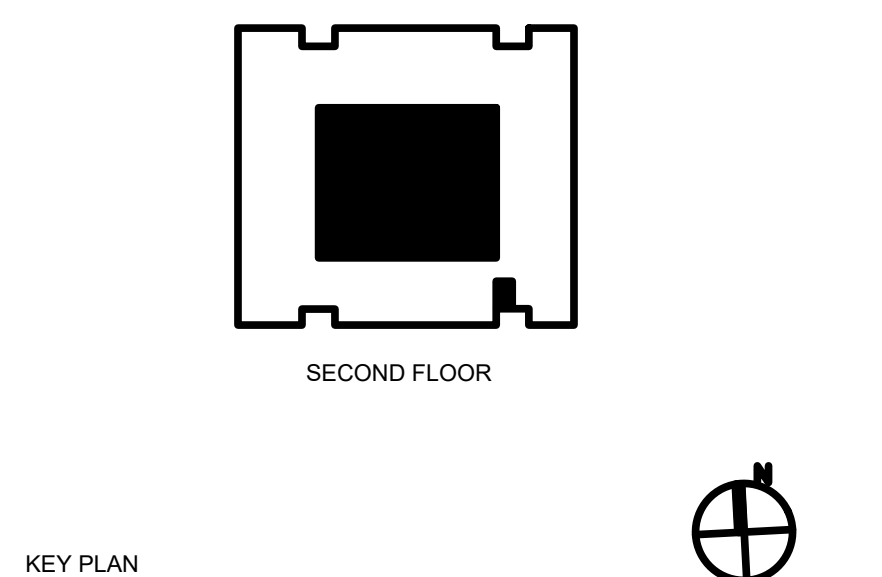


1 FIRST FLOOR AV PLAN
AV-102 SCALE: 1/8" = 1'-0"



- (A) LOW VOLTAGE CABLES FROM MEZZANINE SOUND BOOTH, TO DOWNSTAGE RIGHT, HOUSE LEFT AND UPSTAGE RIGHT (DMX, XLR, ETHER REQUIRE SEPARATE CONDUITS)
- (B) EIGHT (8) 20 AMP DEDICATED CIRCUITS VIA TWO (2) 3/4" CONDUITS (TO MEZZ SOUND BOOTH)
- (C) LOW VOLTAGE CABLES FROM HOUSE SOUND BOOTH, AND UP TO MEZZ SOUND BOOTH (DMX, XLR, ETHER, EACH REQUIRES A SEPARATE CONDUIT)

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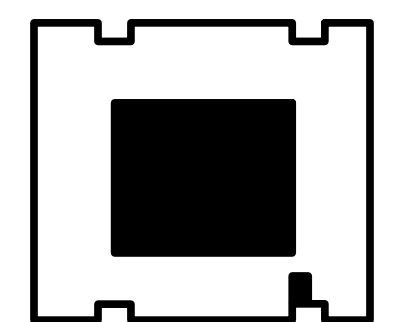
FIRST FLOOR
POWER & AV PLAN
& DETAILS

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SECOND FLOOR

KEY PLAN

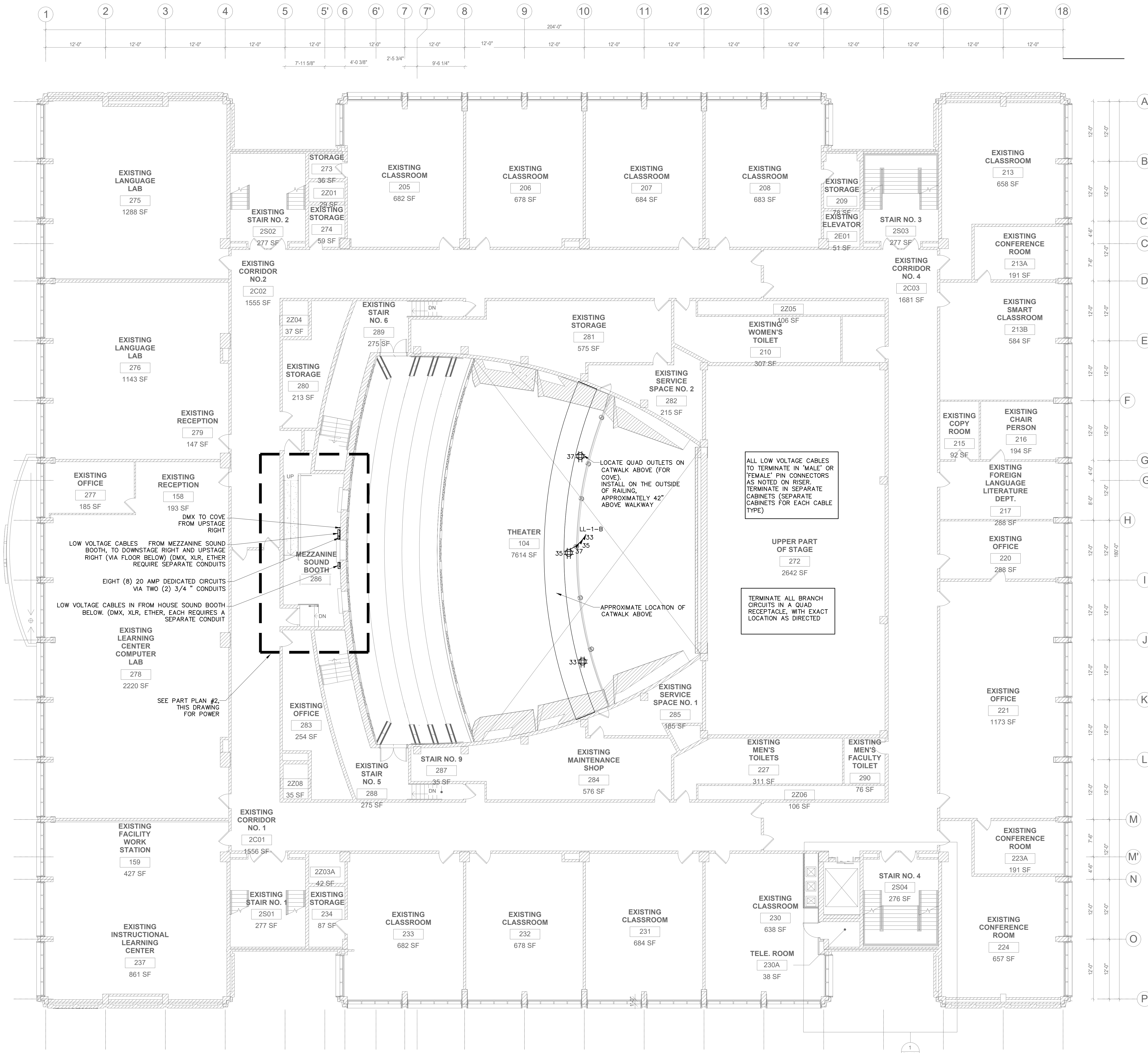
SECOND FLOOR
POWER & AV PLAN

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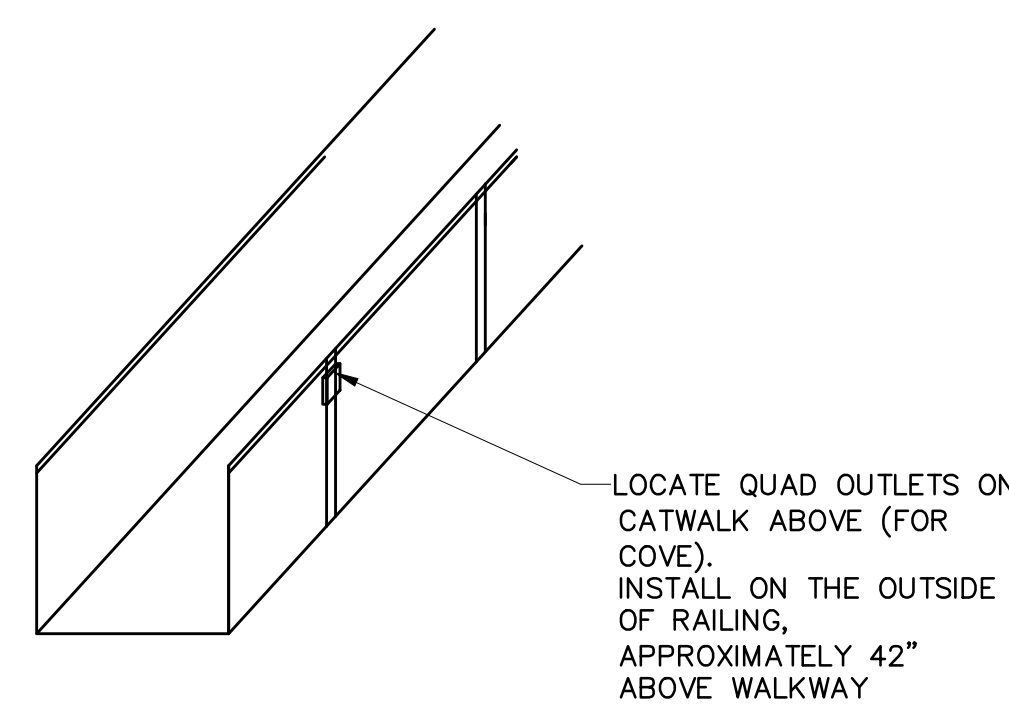
XX OF XX

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2 SECOND FLOOR PART PLAN
AV-103 SCALE: 1/4" = 1'-0"

3 CAT WALK ELEVATION
AV-103 SCALE: NONE



1 SECOND FLOOR POWER AND AV PLAN
AV-103 SCALE: 1/8" = 1'-0"

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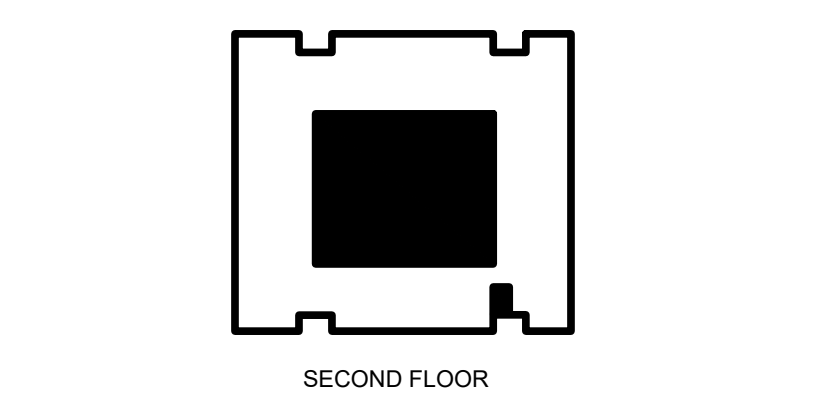
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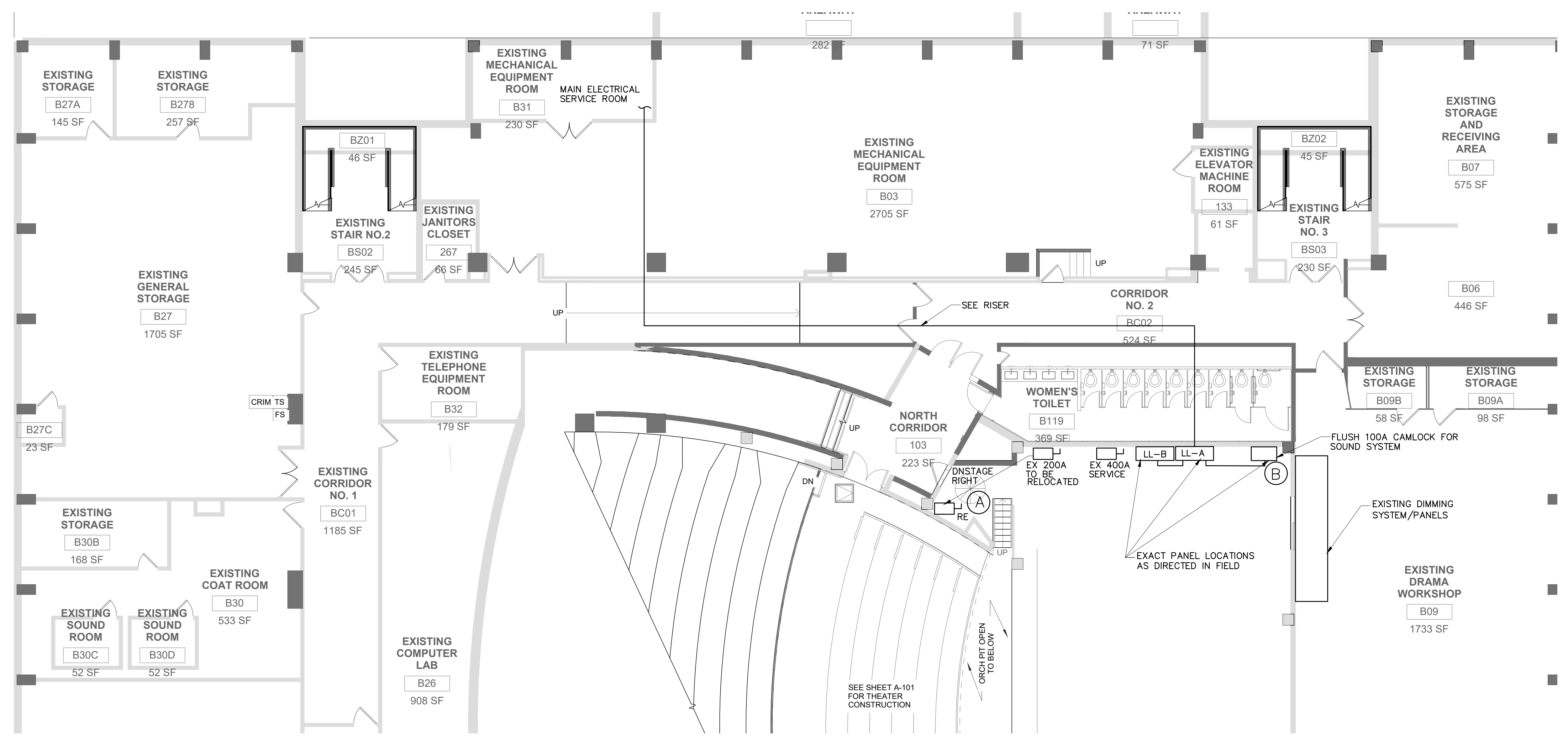
KEY PLAN

**CELLAR POWER PLAN
AND SECOND FLOOR
POWER & LIGHTING PLAN**

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1 CELLAR POWER PLAN
AV-104 SCALE: 1/8" = 1'-0"

NOTES:
1. ALLOW TO INSTALL NEW PIPES AS INDICATED. PIPE LENGTH SHALL BE INSTALLED TO BE WITHIN 4 FT OF THEATER PERIMETER WALLS. (EXISTING PIPES WERE REMOVED DURING DEMOLITION). EXACT LOCATION TO BE DETERMINED IN THE FIELD WITH END USERS (TYP).

(A) RELOCATE EXISTING 200 AMP SERVICE (Ø120/208 VOLTS) TO NEW LOCATION FOR DIMMER RACK (SAME GENERAL LOCATION/ROOM). EXTEND FEEDER AS REQUIRED. (4#3/0 + GRD) FINAL TERMINATION IS A FLUSH CAMLOCK

(B) PROVIDE 100 AMP SERVICE (Ø120/208 VOLTS) TO NEW CAMLOCK DEVICE (FLUSH). CONNECT TO NEW 100 AMP SUB-FEED BREAKER. RUN 4#2 + GRD)

(C) CONTRACTOR SHALL TRACE EXISTING LIGHTING CIRCUITS AND IDENTIFY. FOR BASE BID, ALLOW TO RUN NEW CIRCUITS FROM POLE (SEE PLAN), TO EXISTING PANEL(S) AT STAGE. EXISTING CONDUIT MAY BE REUSED WHERE AVAILABLE

(D) INSTALL NEW PIGTAILS FOR LIGHTING (12-18") AS DIRECTED, WITH 3-PIN CONNECTOR

(E) INSTALL NEW PIGTAILS FOR LIGHTING (12-18") AS DIRECTED, WITH 3-PIN CONNECTOR

(F) BALCONY: RESTORE 12 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (4 J.B.'S WITH 3 CIRCUITS EACH)

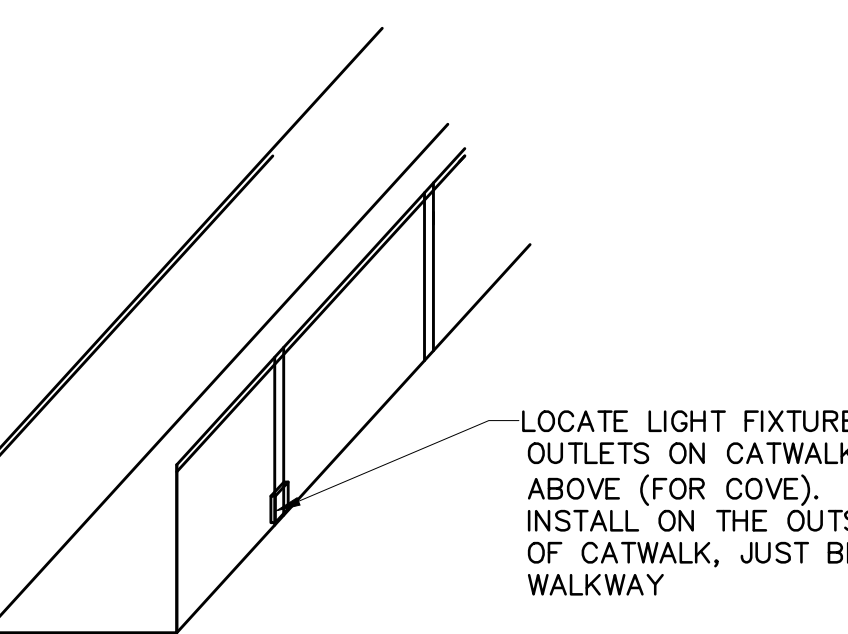
(G) COVE/CATWALK: RESTORE 28 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (7 J.B.'S WITH 4 CIRCUITS EACH)

(H) FRONT OF HOUSE (FOH): RESTORE 8 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (4 J.B.'S WITH 2 CIRCUITS EACH)

(K) 2 VERTICAL BOOMS (ONE PER SIDE): RESTORE 8 LIGHTING CIRCUITS, 4 PER BOOM. PROVIDE NEW TROUGHS AND EQUALLY SPACED JUNCTION BOXES (2 J.B.'S WITH 2 CIRCUITS EACH, PER SIDE) BOOMS SHALL BE LOCATED BEHIND ARCHITECTURAL PANELING. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR BOOMS.

(L) ALL "PIPES" INDICATED FOR THEATER LIGHTING SHALL BE 1-1/4", SCHEDULE 40 PIPE

(M) ALL "PIPES" INDICATED FOR THEATER LIGHTING ARE NEW & SHALL BE 1-1/4", SCHEDULE 40 PIPE. INSTALL WIRING TROUGH TO SLAB ABOVE "PIPE". CONNECT "PIGTAILS" FROM TROUGH, TO WITHIN REACH OF LIGHT FIXTURE MOUNTED TO PIPE



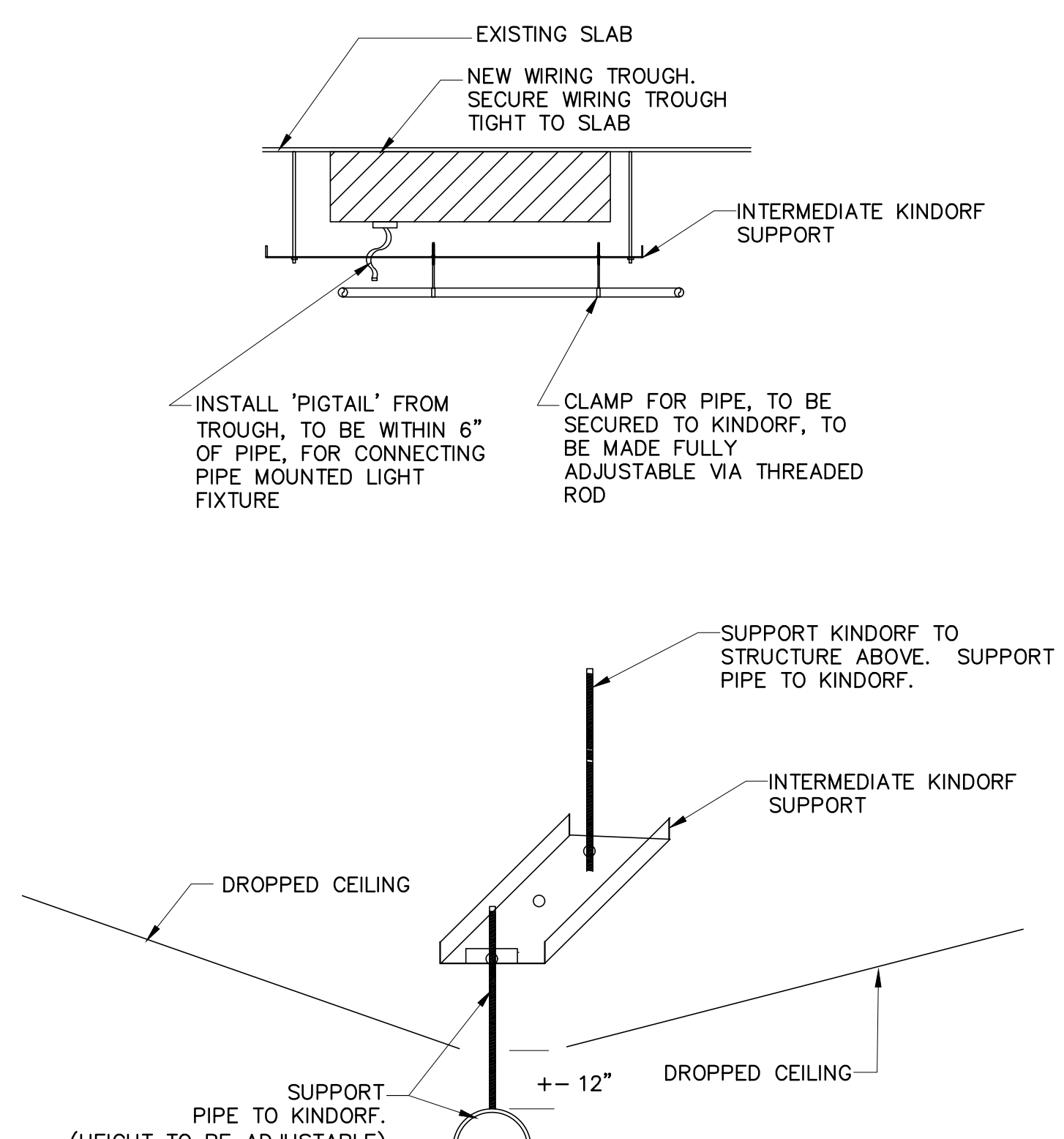
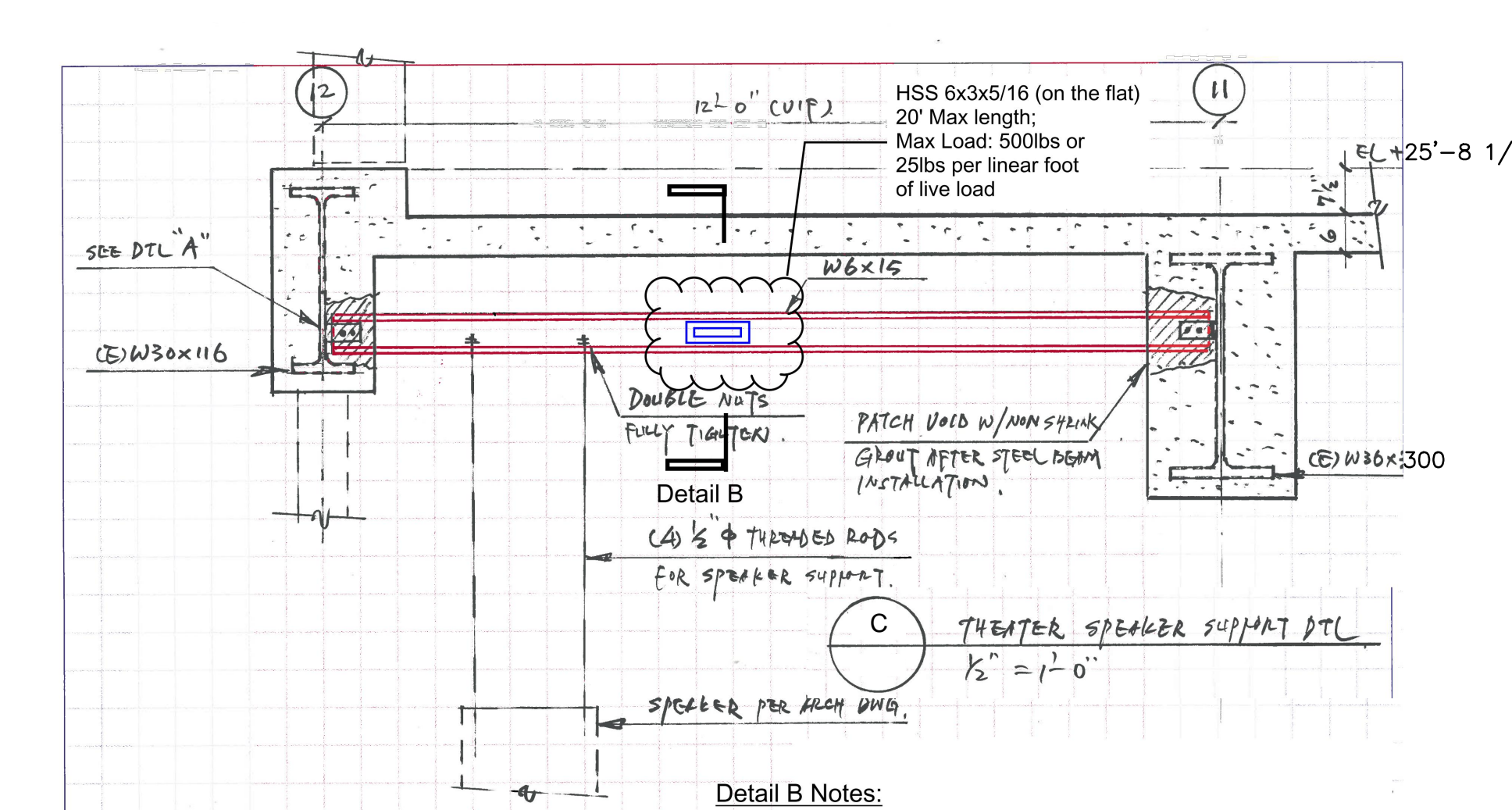
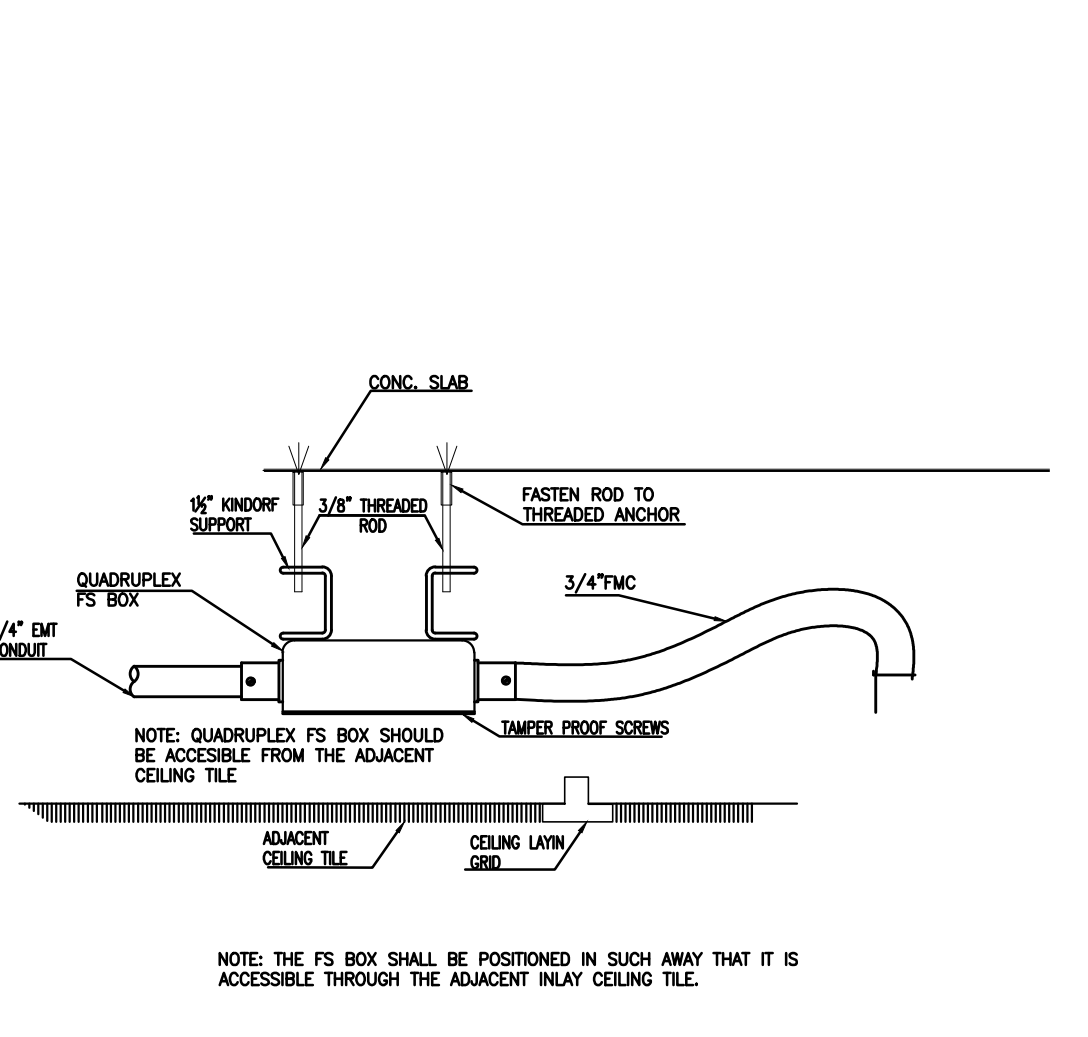
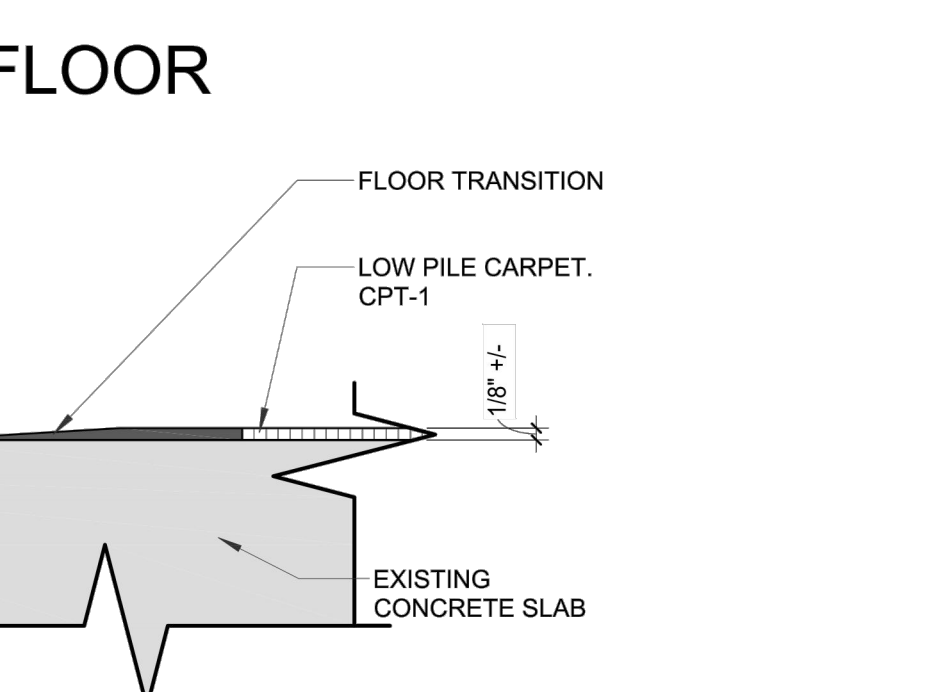
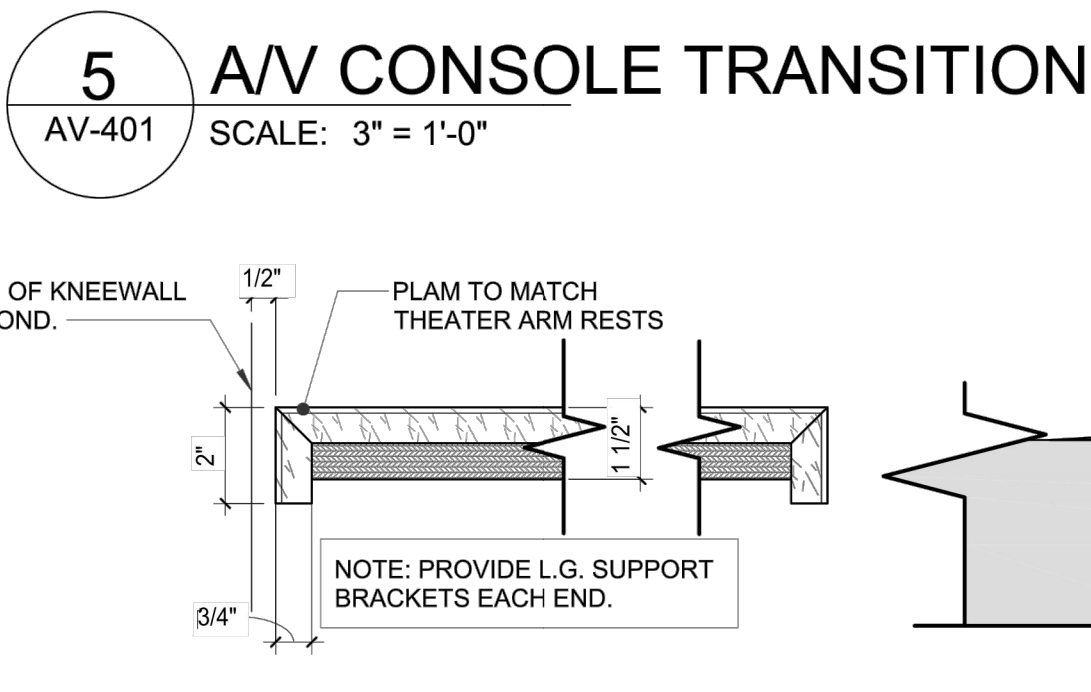
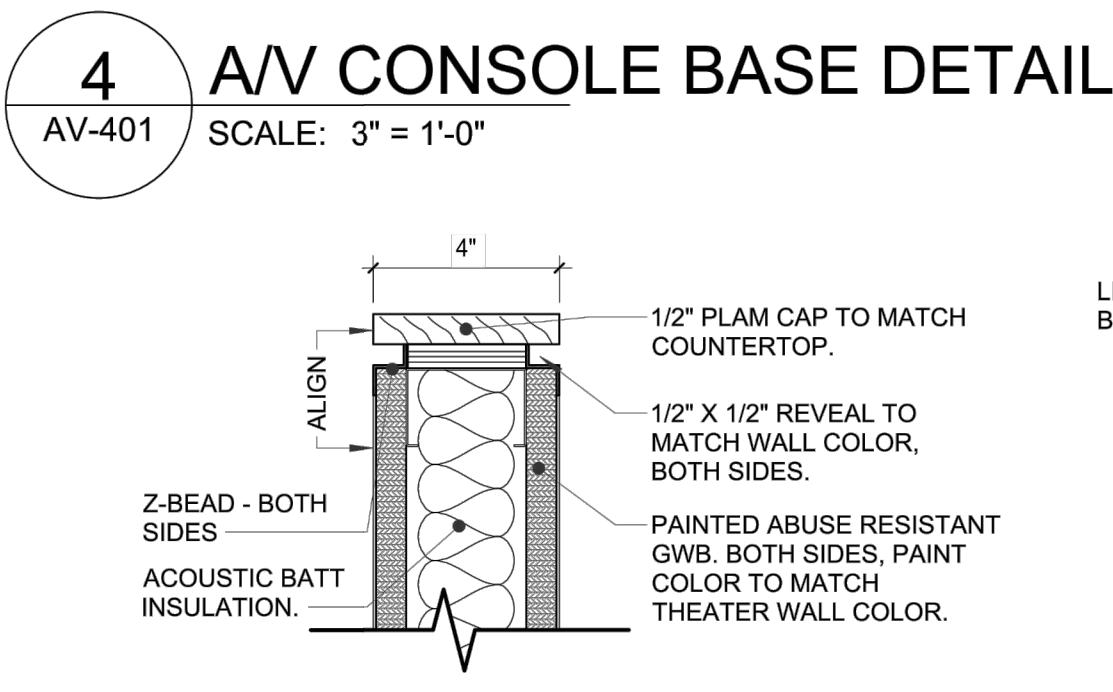
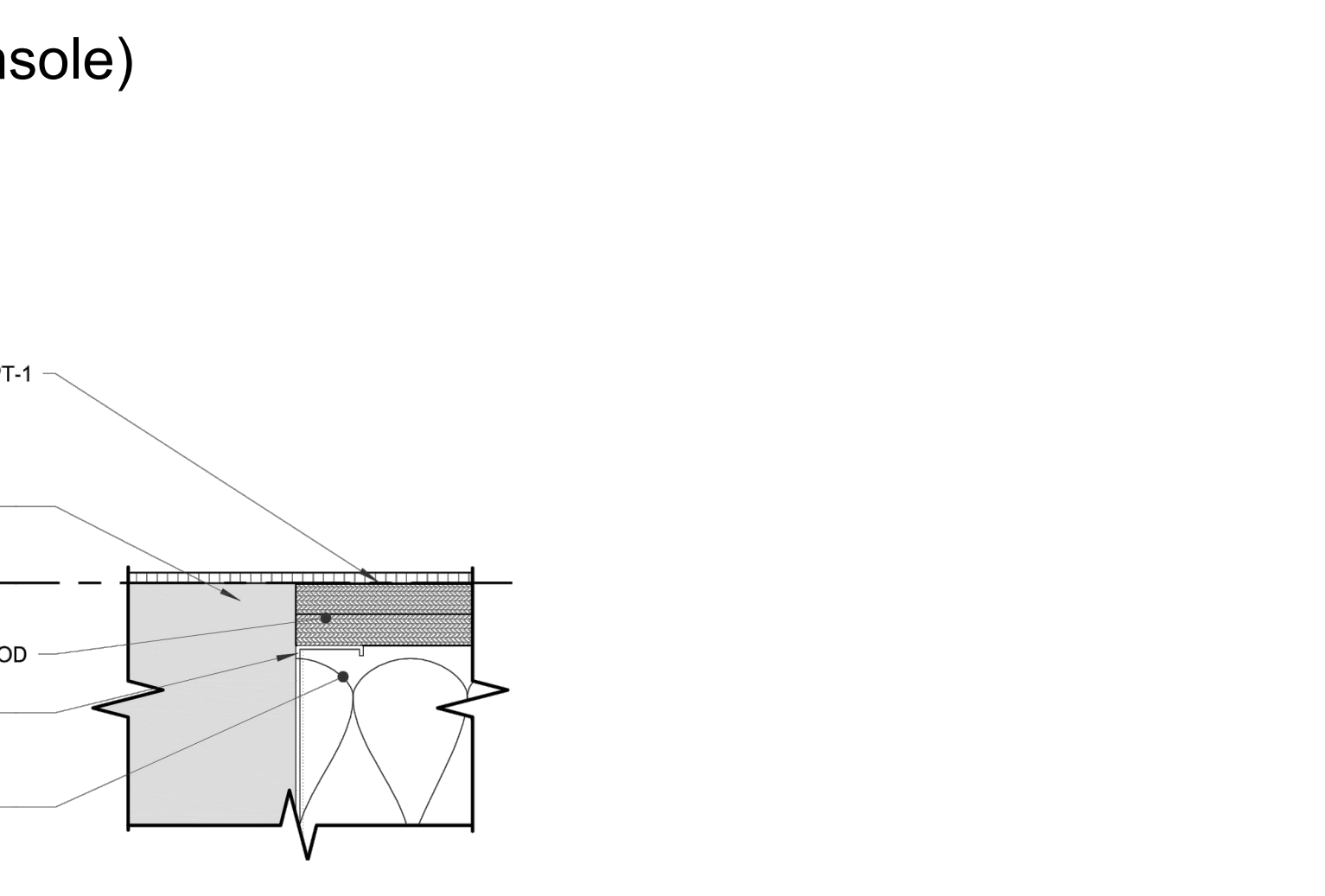
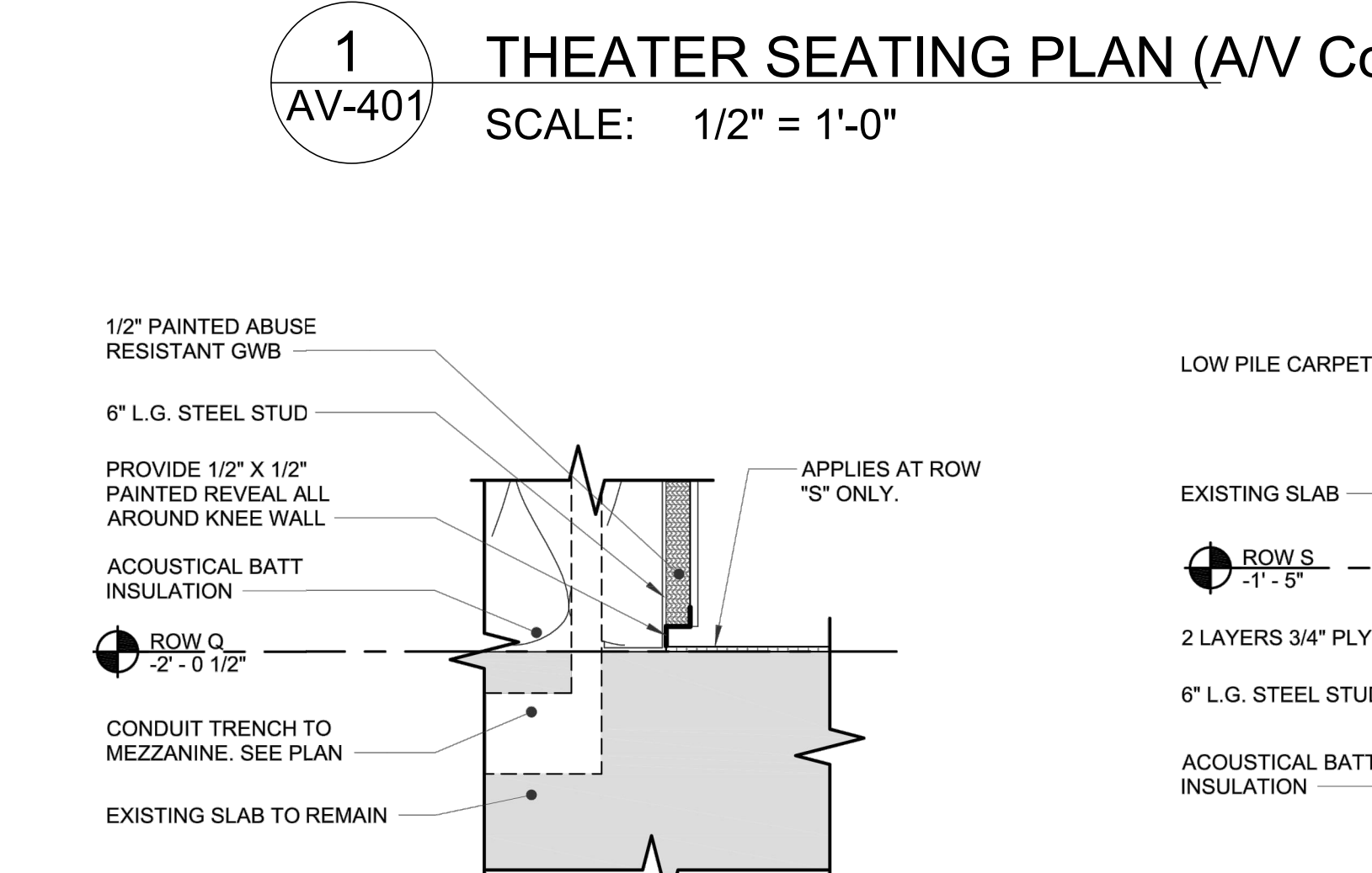
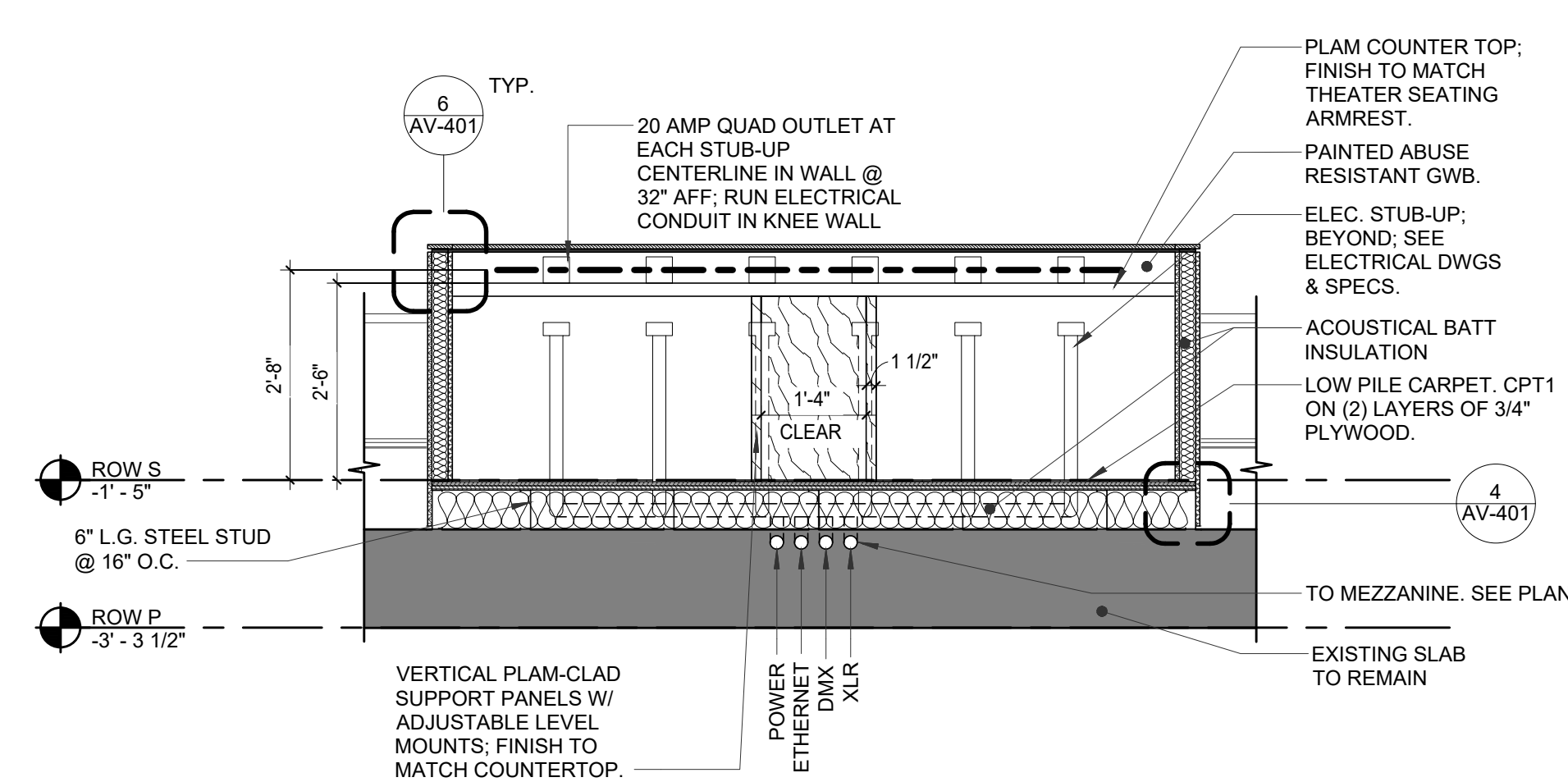
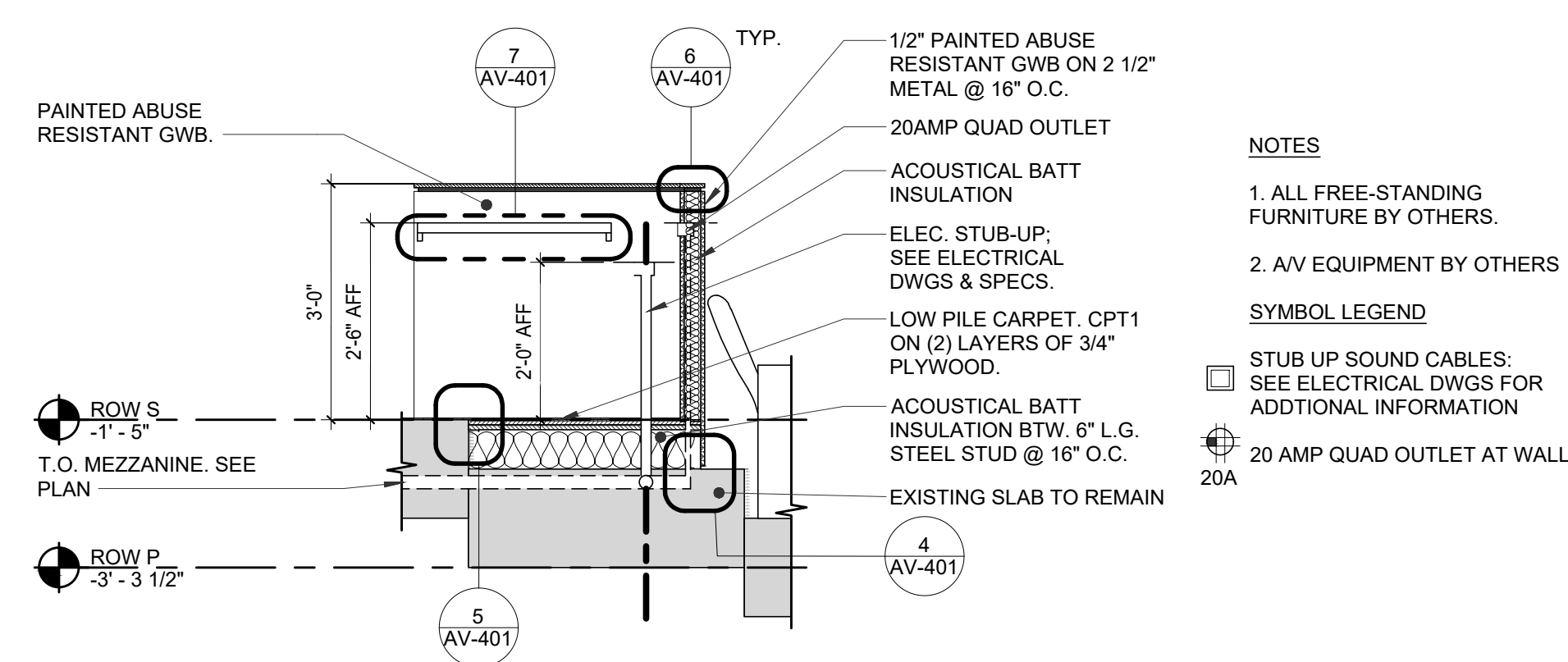
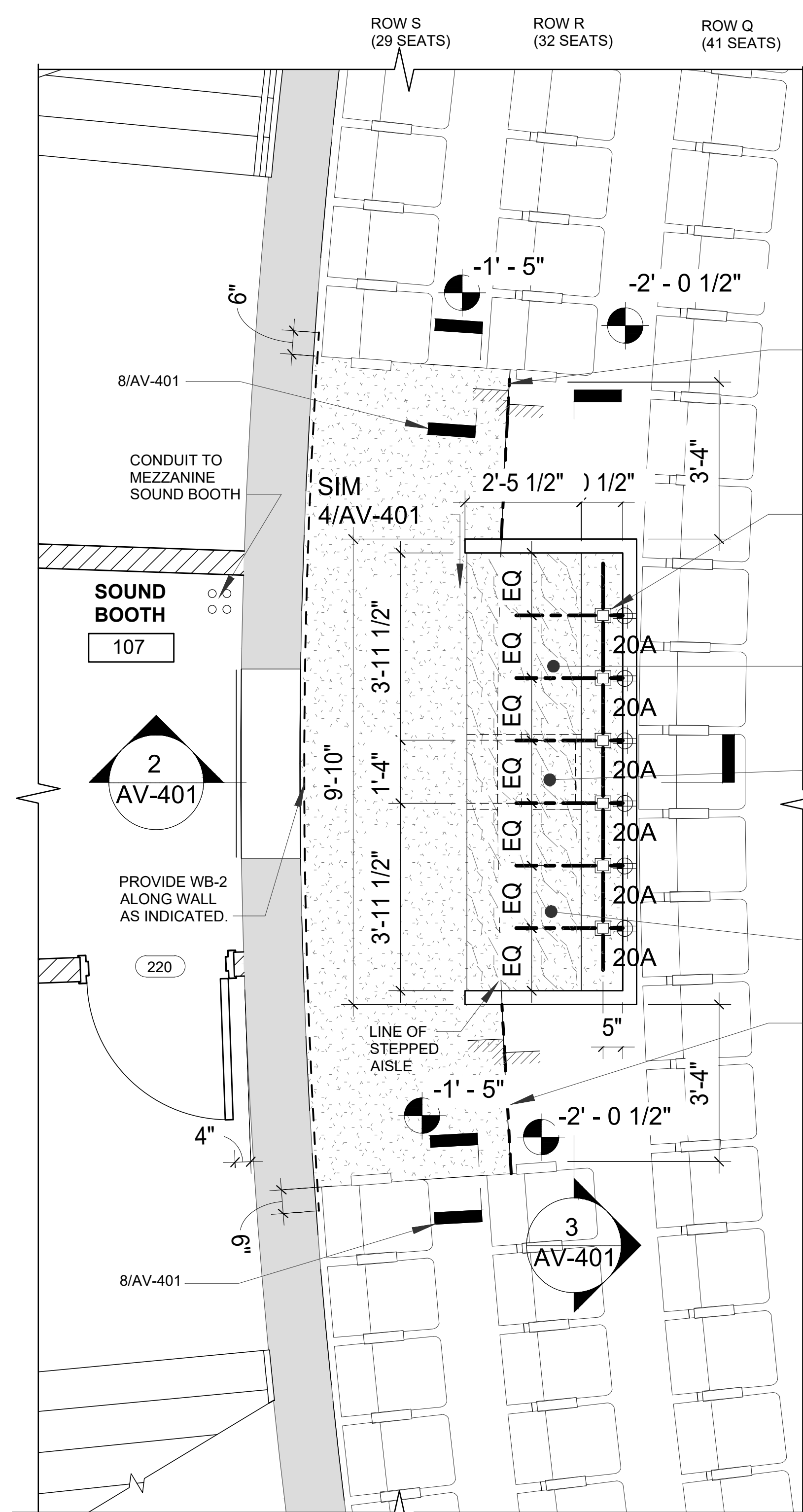
LOCATE LIGHT FIXTURE OUTLETS ON CATWALK ABOVE (FOR COVE). INSTALL ON THE OUTSIDE OF CATWALK, JUST BELOW WALKWAY

2 SECOND FLOOR POWER & LIGHTING PLAN
AV-104 SCALE: 1/8" = 1'-0"

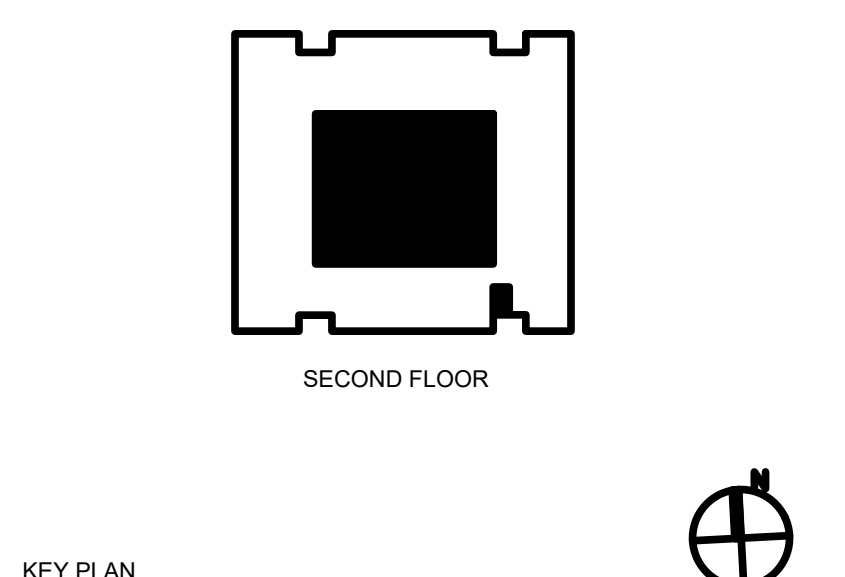
FOR VERTICAL BOOMS, ONE VERTICAL BOOM PER SIDE (TYP FOR EACH SIDE OF STAGE)

W6X15 BEAMS FOR SPEAKER SUPPORT, LENGTH OF 4-1/2" THREADED RODS TO BE DETERMINED IN THE FIELD

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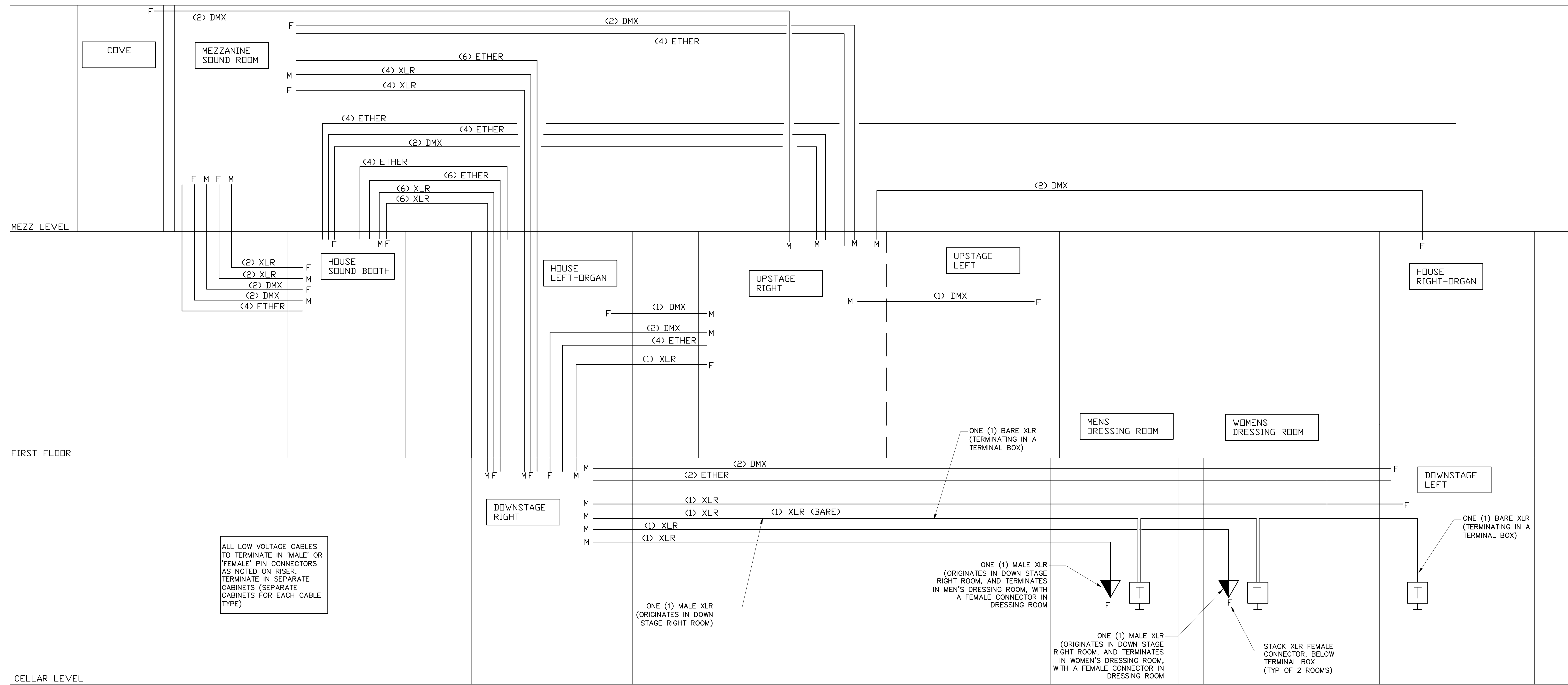
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AV DETAILS

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ALL LOW VOLTAGE CABLES TO TERMINATE IN 'MALE' OR 'FEMALE' PIN CONNECTORS AS NOTED ON RISER. TERMINATE IN SEPARATE CABINETS (SEPARATE CABINETS FOR EACH CABLE TYPE)

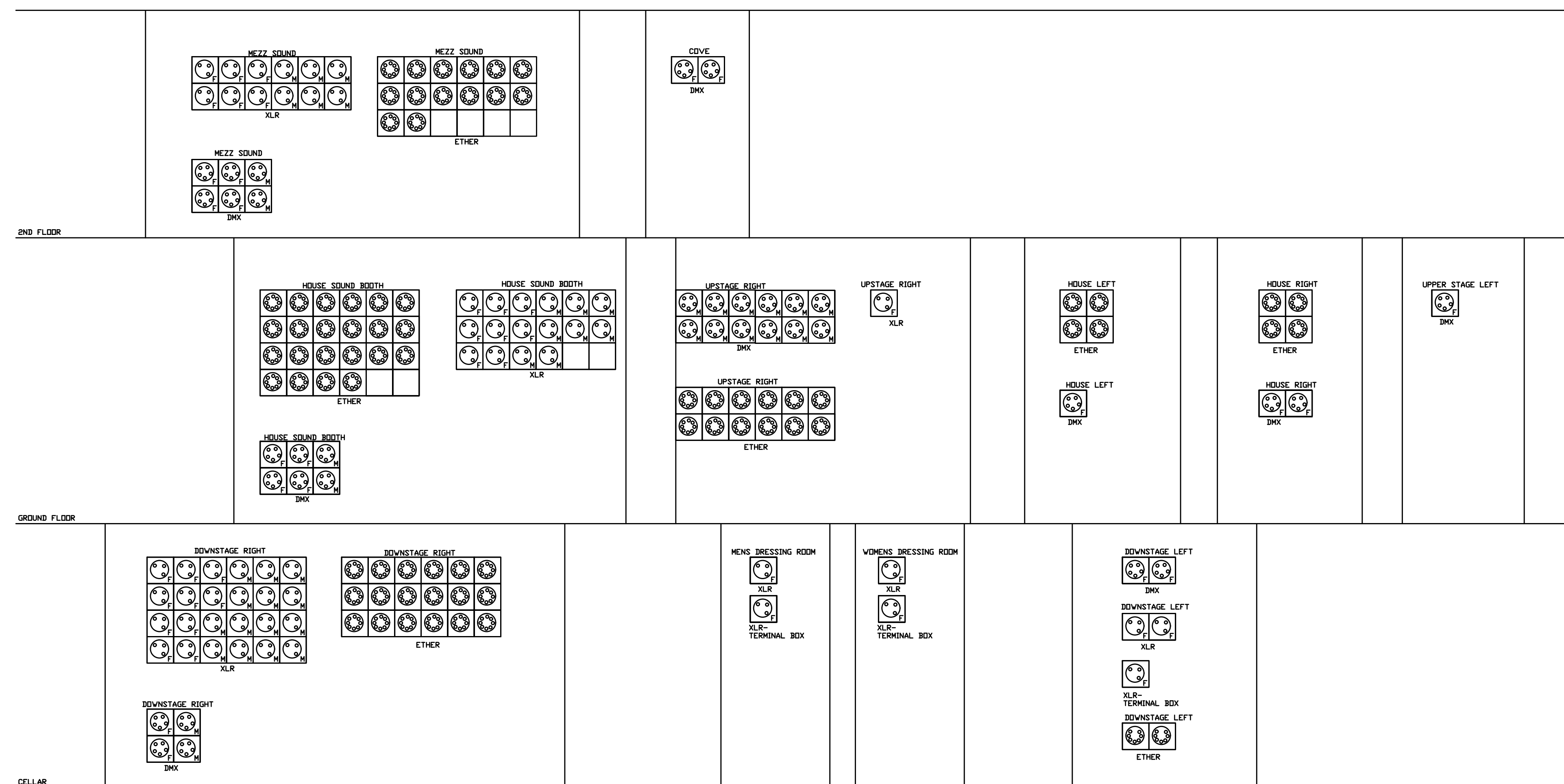
ONE (1) BARE XLR (TERMINATING IN A TERMINAL BOX)

ONE (1) MALE XLR (ORIGINATES IN DOWN STAGE RIGHT ROOM, AND TERMINATES IN MEN'S DRESSING ROOM, WITH A FEMALE CONNECTOR IN DRESSING ROOM)

ONE (1) MALE XLR (ORIGINATES IN DOWN STAGE RIGHT ROOM, AND TERMINATES IN WOMEN'S DRESSING ROOM, WITH A FEMALE CONNECTOR IN DRESSING ROOM)

STACK XLR FEMALE CONNECTOR, BELOW TERMINAL BOX (TYP OF 2 ROOMS)

1 AV RISER
 A-501 SCALE: NONE



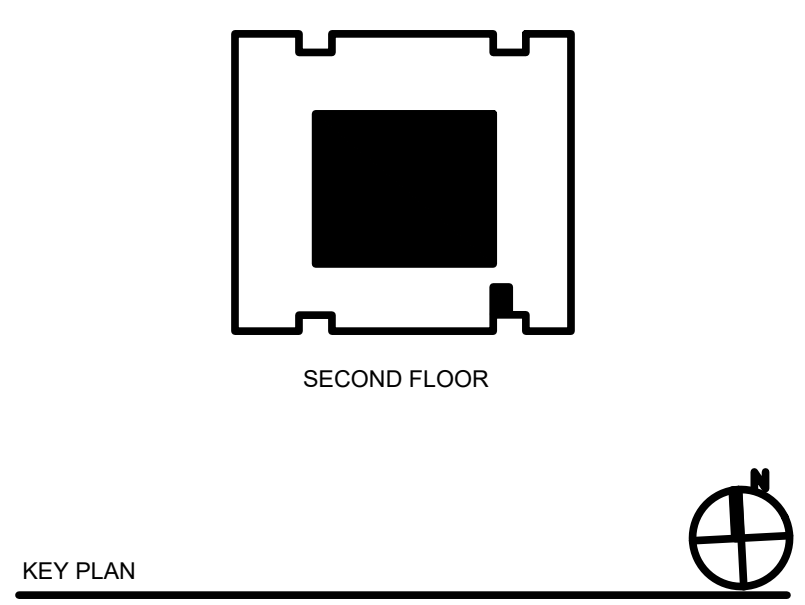
XLR
 NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 3 PIN CONNECTOR)
 BELDEN 8779M 22 AWG
 STANDARDIZE WIRE PULLS:
 EACH CABLE PULL SUFFICIENT FOR FOUR (4) 3-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
 'M' DENOTES MALE CONNECTOR, 'F' DENOTE FEMALE CONNECTOR, WITH CONNECTOR INSTALLED AFTER CABLE PULL

DMX
 NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 5 PIN CONNECTOR)
 BELDEN 3109A 22 AWG
 STANDARDIZE WIRE PULLS:
 EACH CABLE PULL SUFFICIENT FOR FOUR (4) 5-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
 'M' DENOTES MALE CONNECTOR, 'F' DENOTE FEMALE CONNECTOR, WITH CONNECTOR INSTALLED AFTER CABLE PULL

ETHER
 NUMBER DENOTES QUANTITY OF ACTIVE CABLES (EA FOR A 8 PIN CONNECTOR)
 BELDEN 1700S6 24 AWG (CAT 5E), OR BELDEN 1762A 24 AWG (CAT 5E)
 STANDARDIZE WIRE PULLS:
 EACH CABLE PULL SUFFICIENT FOR FOUR (4) 8-PIN CONNECTORS, WITH OVERALL OUTER JACKET (TEFLON)
 INSTALL CONNECTORS AFTER CABLE PULL.

NOTE:
 ALL CABLES IN CONDUIT.
 ALL CABLES TO BE SHIELDED

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KEY PLAN

AV RISER & DETAILS

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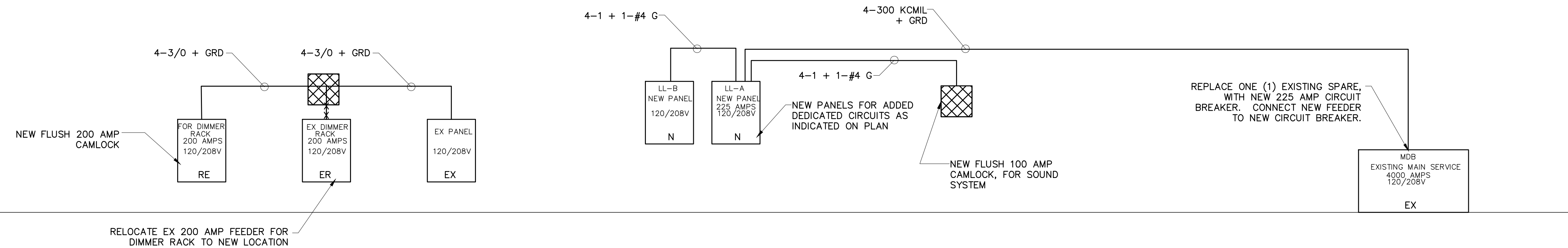
2 AV TERMINATION RACKS
 A-501 SCALE: NONE

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MEZZ LEVEL

FIRST FLOOR

CELLAR LEVEL

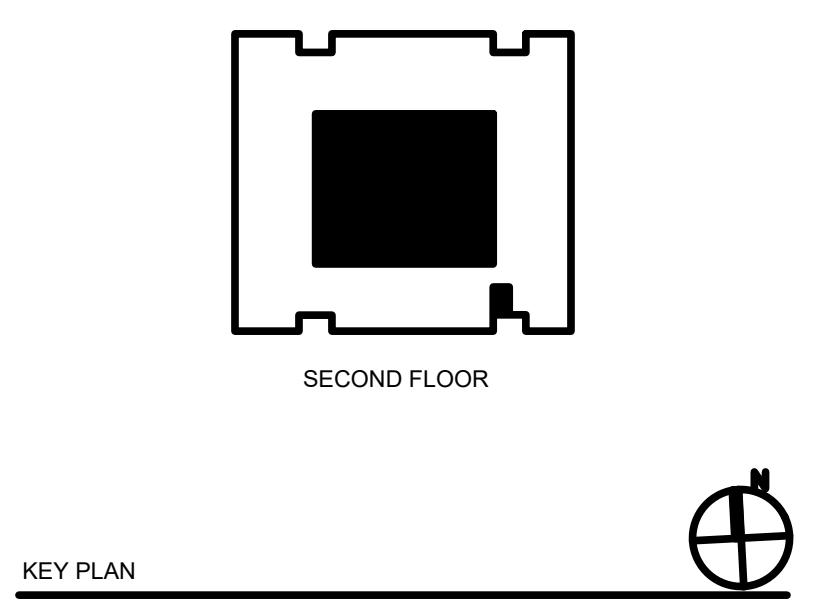


1 ELECTRICAL RISER
 A-502 SCALE: NONE

PANEL LL-A		VOLTAGE 120/208V, 3Ø, 4W	
LOCATION ---		225_A BUS	
MOUNTING ---		225_A MAIN CB	
CIRCUIT DESCRIPTION	BKR#	Ø A	Ø B
ORCH PIT RECEP	20/1	---	---
ORCH PIT RECEP	20/3	---	---
ORCH PIT RECEP	20/5	---	---
ORCH PIT RECEP	20/7	---	---
DNSTAGE LEFT RECEP	20/9	---	---
DNSTAGE LEFT RECEP	20/11	---	---
DNSTAGE LEFT RECEP	20/13	---	---
DNSTAGE LEFT RECEP	20/15	---	---
DNSTAGE LEFT RECEP	20/17	---	---
DNSTAGE LEFT RECEP	20/19	---	---
DNSTAGE LEFT RECEP	20/21	---	---
DNSTAGE LEFT RECEP	20/23	---	---
SPARE	20/25	---	---
SPARE	20/27	---	---
SPARE	20/29	---	---
SPARE	20/31	---	---
SPARE	20/33	---	---
SPARE	20/35	---	---
LL-B	39	---	---
LL-B	41	---	---
TOTAL VOLT-AMPS	3	---	---
TOTAL CONNECTED LOAD:	---	KW → √3 (208) =	--- AMPS

PANEL LL-B		VOLTAGE 120/208V, 3Ø, 4W	
LOCATION ---		225_A BUS	
MOUNTING ---		MAIN LUGS ONLY	
CIRCUIT DESCRIPTION	BKR#	Ø A	Ø B
HOUSE SOUND RECEP	20/1	---	---
HOUSE SOUND RECEP	20/3	---	---
HOUSE SOUND RECEP	20/5	---	---
SOUND BOOTH RECEP	20/7	---	---
MEZZ BOOTH RECEP	20/9	---	---
MEZZ BOOTH RECEP	20/11	---	---
MEZZ BOOTH RECEP	20/13	---	---
MEZZ BOOTH RECEP	20/15	---	---
HOUSE RIGHT RECEP	20/17	---	---
HOUSE RIGHT RECEP	20/19	---	---
HOUSE RIGHT RECEP	20/21	---	---
HOUSE RIGHT RECEP	20/23	---	---
SPARE	20/25	---	---
SPARE	20/27	---	---
QUAD	20/29	---	---
QUAD	20/31	---	---
COVE RECEP	20/33	---	---
COVE RECEP	20/35	---	---
COVE RECEP	20/37	---	---
SPARE	20/39	---	---
SPARE	20/41	---	---
TOTAL VOLT-AMPS	---	---	---
TOTAL CONNECTED LOAD:	---	KW → √3 (208) =	--- AMPS

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01	01-07-2020	ISSUED FOR AV SCOPE

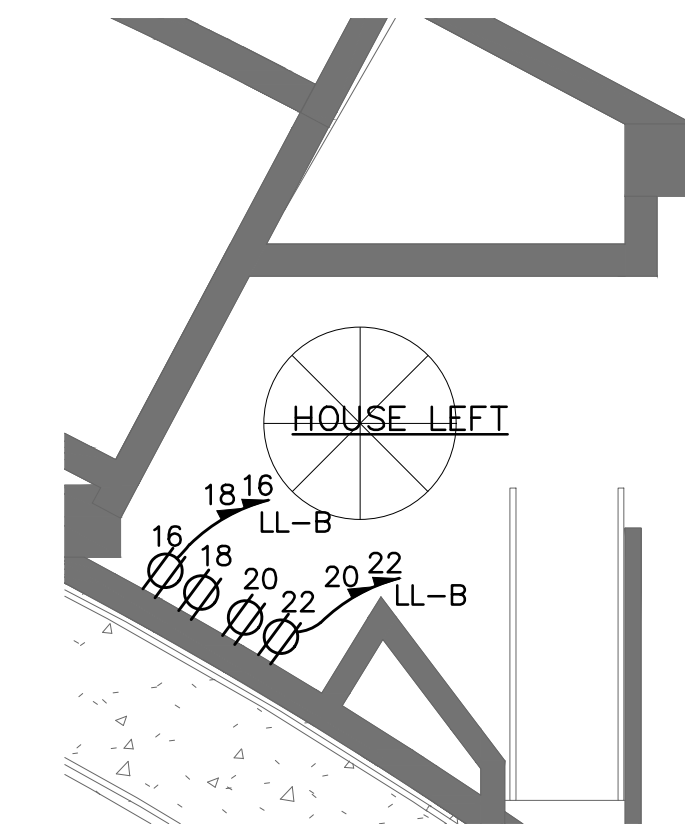


ELECTRICAL RISER

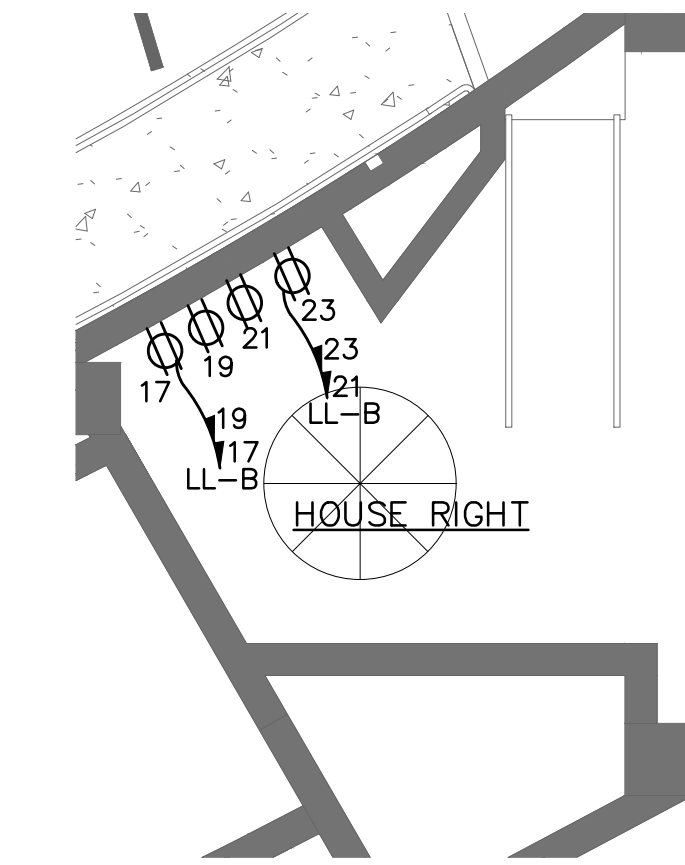
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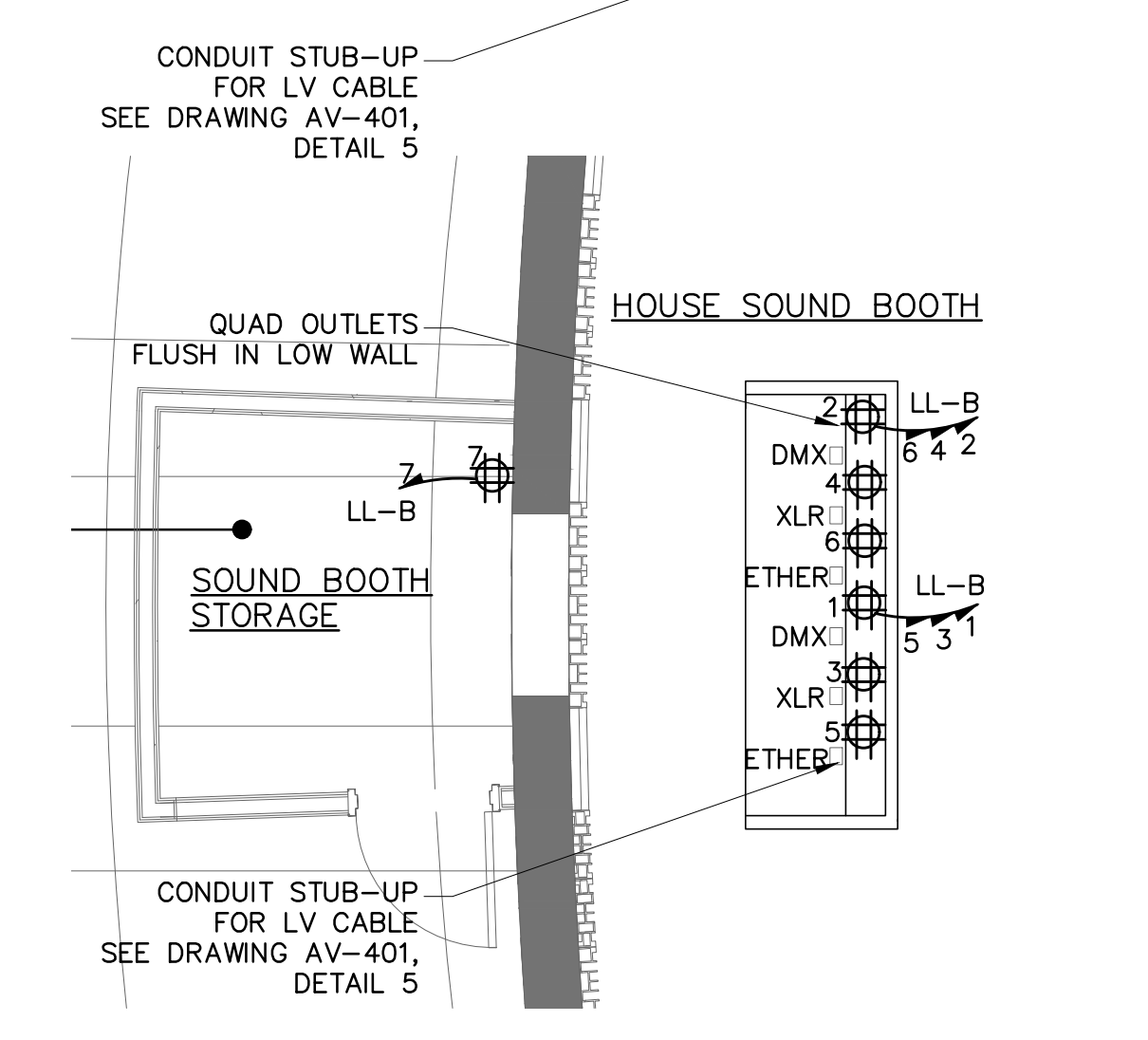
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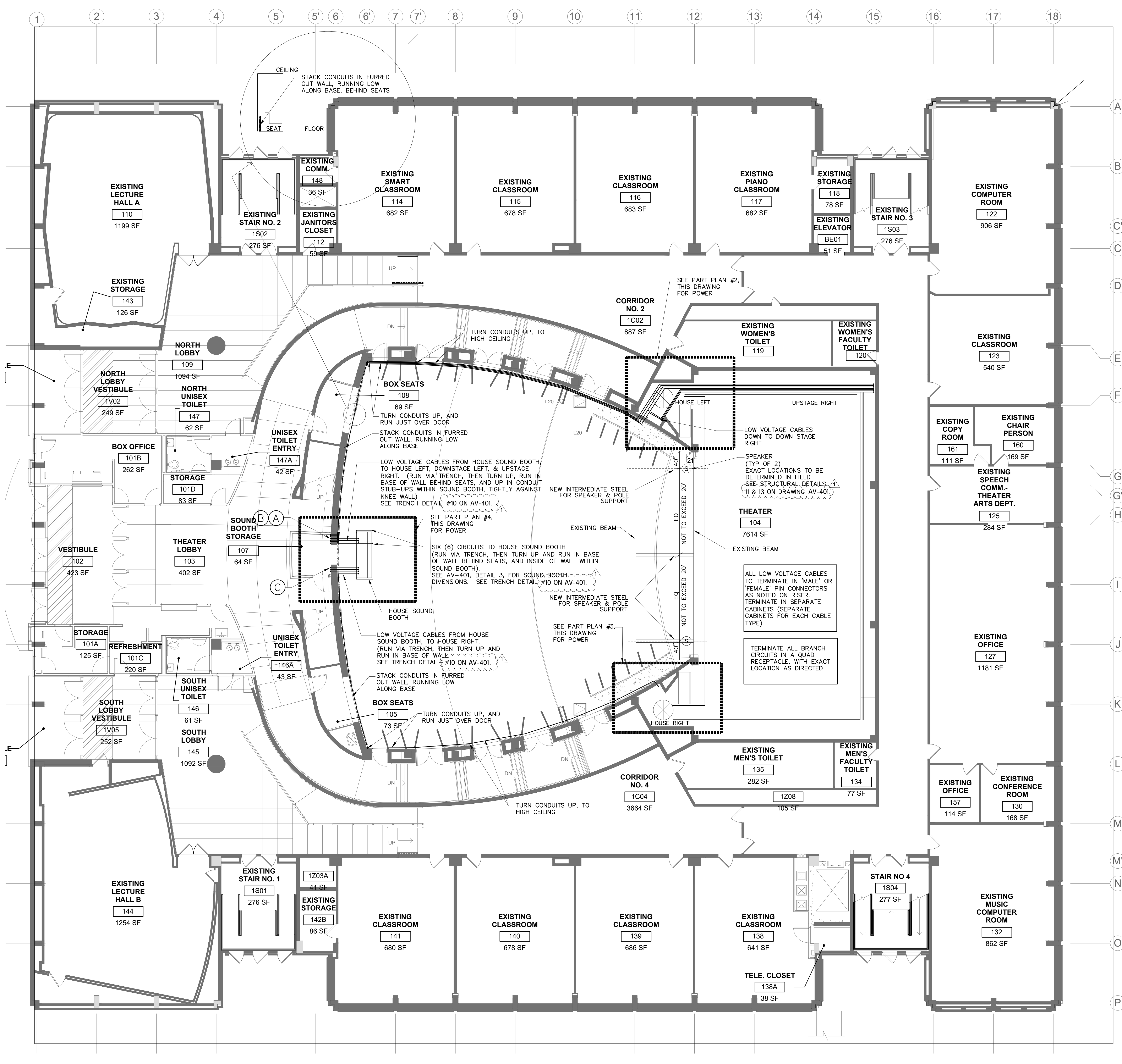
2 1ST FL ELECTRICAL PART PLAN
AV-102 SCALE: 1/4" = 1'-0"



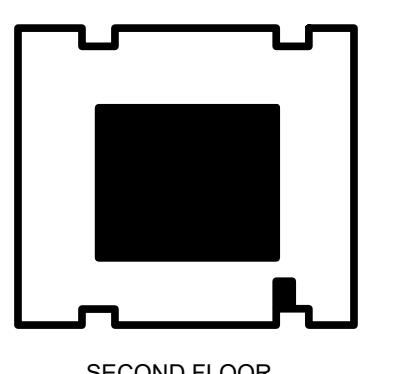
3 1ST FL ELECTRICAL PART PLAN
AV-102 SCALE: 1/4" = 1'-0"



4 1ST FL ELECTRICAL PART PLAN
AV-102 SCALE: 1/4" = 1'-0"



1 FIRST FLOOR AV PLAN
AV-102 SCALE: 1/8" = 1'-0"



KEY PLAN

FIRST FLOOR
POWER & AV PLAN
& DETAILS

- (A) LOW VOLTAGE CABLES FROM MEZZANINE SOUND BOOTH, TO DOWNSTAGE RIGHT, HOUSE LEFT AND UPSTAGE RIGHT (DMX, XLR, ETHER REQUIRE SEPARATE CONDUITS)
- (B) EIGHT (8) 20 AMP DEDICATED CIRCUITS VIA TWO (2) 3/4" CONDUITS (TO MEZZ SOUND BOOTH)
- (C) LOW VOLTAGE CABLES FROM HOUSE SOUND BOOTH, AND UP TO MEZZ SOUND BOOTH (DMX, XLR, ETHER, EACH REQUIRES A SEPARATE CONDUIT)

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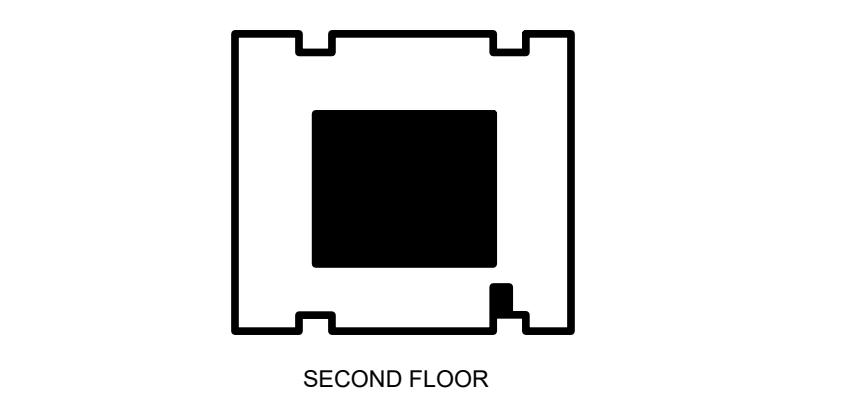
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90 BROAD STREET / SUITE 1803 / NEW YORK NY
10004
PHONE 972-415-8655

REV	DATE	DESCRIPTION
03	02-14-2020	REVISED PER SITE MEETING
02	01-24-2020	ISSUED FOR AV SCOPE
01	01-07-2020	ISSUED FOR AV SCOPE



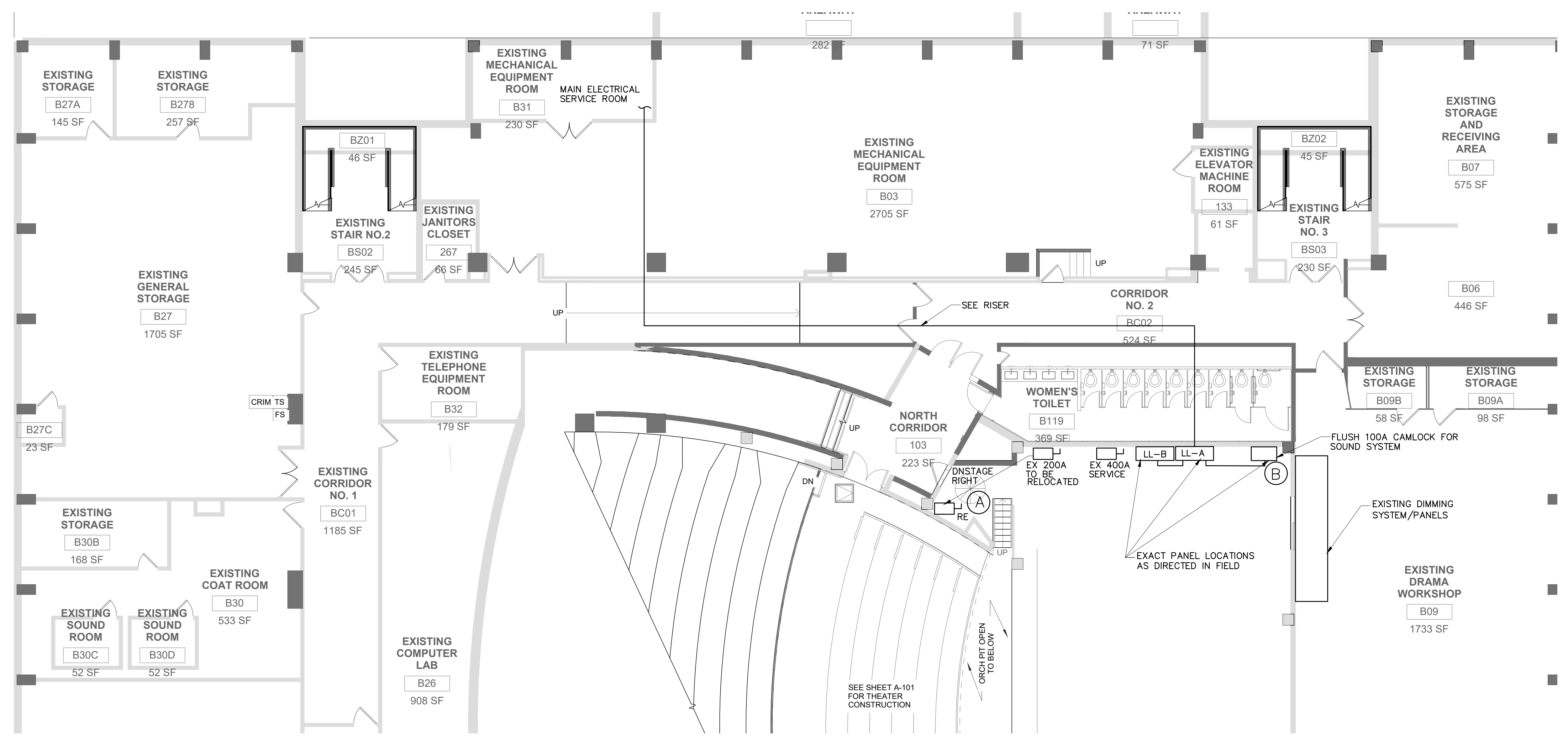
KEY PLAN

**CELLAR POWER PLAN
AND SECOND FLOOR
POWER & LIGHTING PLAN**

GCE Project No. 1277.01.00
Scale: As Noted
Designed by:
Drawn by:
Checked by:
Date: 01/22/2020
Drawing No.:

AV-104.01

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1 CELLAR POWER PLAN
AV-104 SCALE: 1/8" = 1'-0"

NOTES:
1. ALLOW TO INSTALL NEW PIPES AS INDICATED. PIPE LENGTH SHALL BE INSTALLED TO BE WITHIN 4 FT OF THEATER PERIMETER WALLS. (EXISTING PIPES WERE REMOVED DURING DEMOLITION). EXACT LOCATION TO BE DETERMINED IN THE FIELD WITH END USERS (TYP).

(A) RELOCATE EXISTING 200 AMP SERVICE (Ø120/208 VOLTS) TO NEW LOCATION FOR DIMMER RACK (SAME GENERAL LOCATION/ROOM). EXTEND FEEDER AS REQUIRED. (4#3/0 + GRD) FINAL TERMINATION IS A FLUSH CAMLOCK

(B) PROVIDE 100 AMP SERVICE (Ø120/208 VOLTS) TO NEW CAMLOCK DEVICE (FLUSH). CONNECT TO NEW 100 AMP SUB-FEED BREAKER. RUN 4#2 + GRD)

(C) CONTRACTOR SHALL TRACE EXISTING LIGHTING CIRCUITS AND IDENTIFY. FOR BASE BID, ALLOW TO RUN NEW CIRCUITS FROM POLE (SEE PLAN), TO EXISTING PANEL(S) AT STAGE. EXISTING CONDUIT MAY BE REUSED WHERE AVAILABLE

(D) INSTALL NEW PIGTAILS FOR LIGHTING (12-18") AS DIRECTED, WITH 3-PIN CONNECTOR

(E) INSTALL NEW PIGTAILS FOR LIGHTING (12-18") AS DIRECTED, WITH 3-PIN CONNECTOR

(F) BALCONY: RESTORE 12 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (4 J.B.'S WITH 3 CIRCUITS EACH)

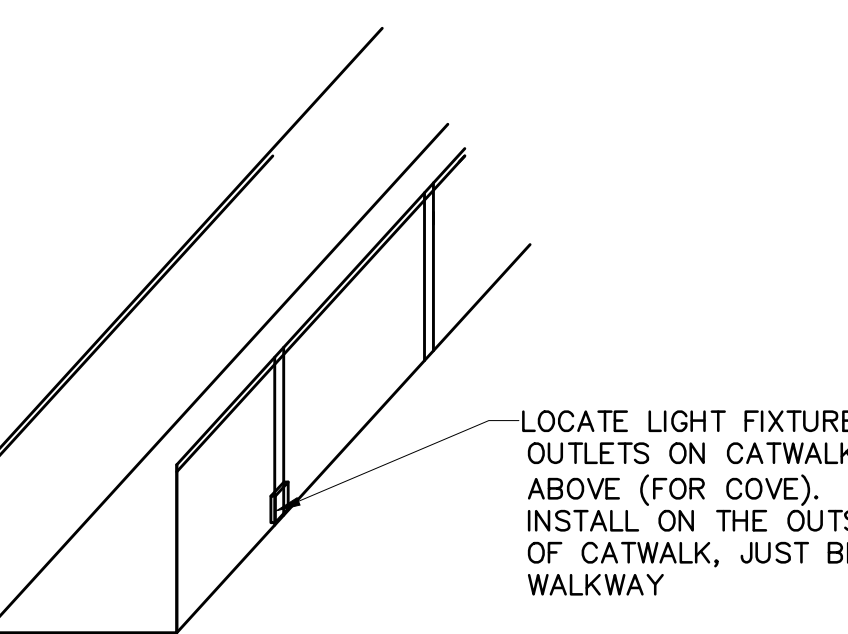
(G) COVE/CATWALK: RESTORE 28 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (7 J.B.'S WITH 4 CIRCUITS EACH)

(H) FRONT OF HOUSE (FOH): RESTORE 8 LIGHTING CIRCUITS. PROVIDE NEW TROUGH AND EQUALLY SPACED JUNCTION BOXES (4 J.B.'S WITH 2 CIRCUITS EACH)

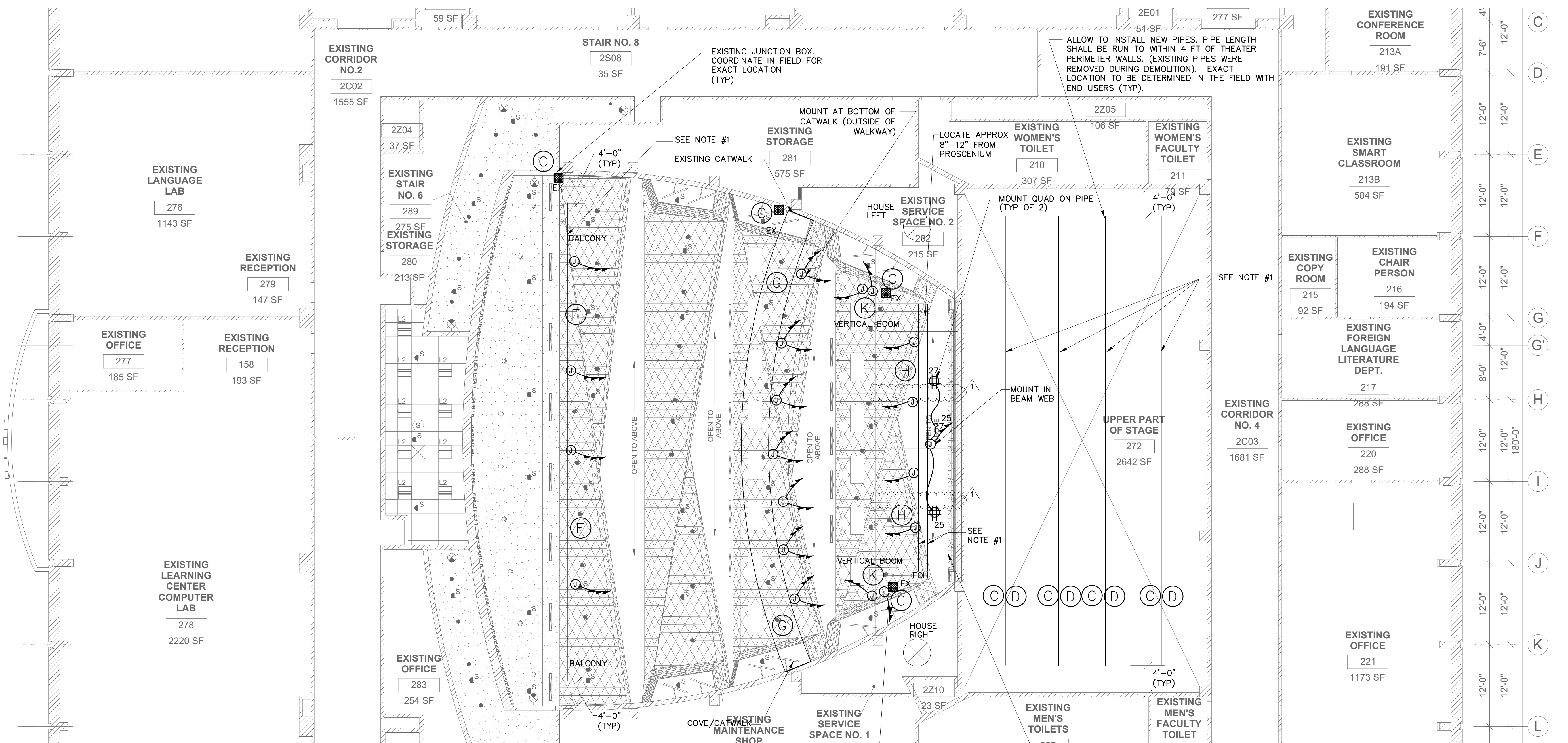
(K) 2 VERTICAL BOOMS (ONE PER SIDE): RESTORE 8 LIGHTING CIRCUITS, 4 PER BOOM. PROVIDE NEW TROUGHS AND EQUALLY SPACED JUNCTION BOXES (2 J.B.'S WITH 2 CIRCUITS EACH, PER SIDE) BOOMS SHALL BE LOCATED BEHIND ARCHITECTURAL PANELING. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR BOOMS.

(L) ALL "PIPES" INDICATED FOR THEATER LIGHTING SHALL BE 1-1/4", SCHEDULE 40 PIPE

(M) ALL "PIPES" INDICATED FOR THEATER LIGHTING ARE NEW & SHALL BE 1-1/4", SCHEDULE 40 PIPE. INSTALL WIRING TROUGH TO SLAB ABOVE "PIPE". CONNECT "PIGTAILS" FROM TROUGH, TO WITHIN REACH OF LIGHT FIXTURE MOUNTED TO PIPE



LOCATE LIGHT FIXTURE OUTLETS ON CATWALK ABOVE (FOR COVE). INSTALL ON THE OUTSIDE OF CATWALK, JUST BELOW WALKWAY



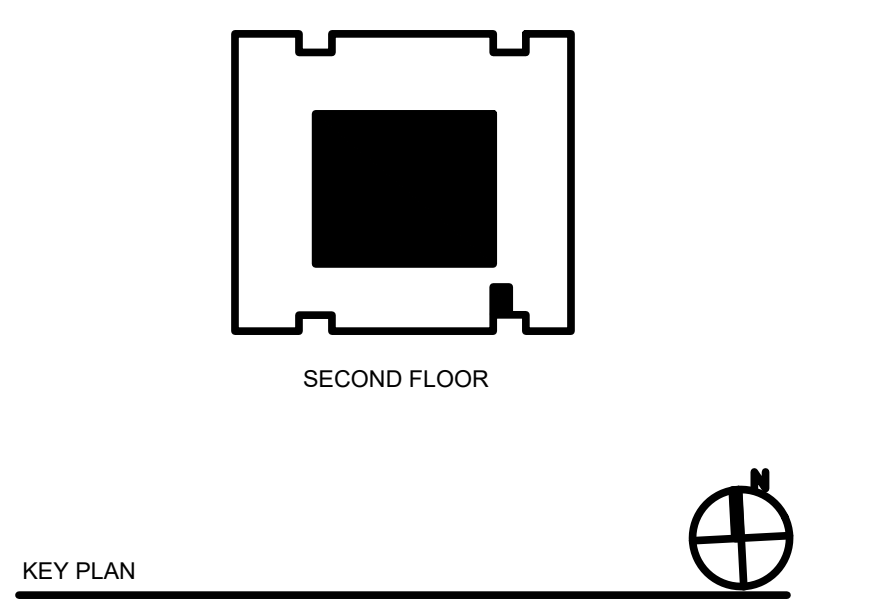
2 SECOND FLOOR POWER & LIGHTING PLAN
AV-104 SCALE: 1/8" = 1'-0"

FOR VERTICAL BOOMS, ONE VERTICAL BOOM PER SIDE (TYP FOR EACH SIDE OF STAGE)

WGX15 BEAMS FOR SPEAKER SUPPORT, LENGTH OF 4-1/2" THREADED RODS TO BE DETERMINED IN THE FIELD

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

REV	DATE	DESCRIPTION
08-31-2021		BULLETIN NO. 4
03	02-14-2020	REVISED PER SITE MEETING
02	01-24-2020	ISSUED FOR AV SCOPE
01	01-07-2020	ISSUED FOR AV SCOPE

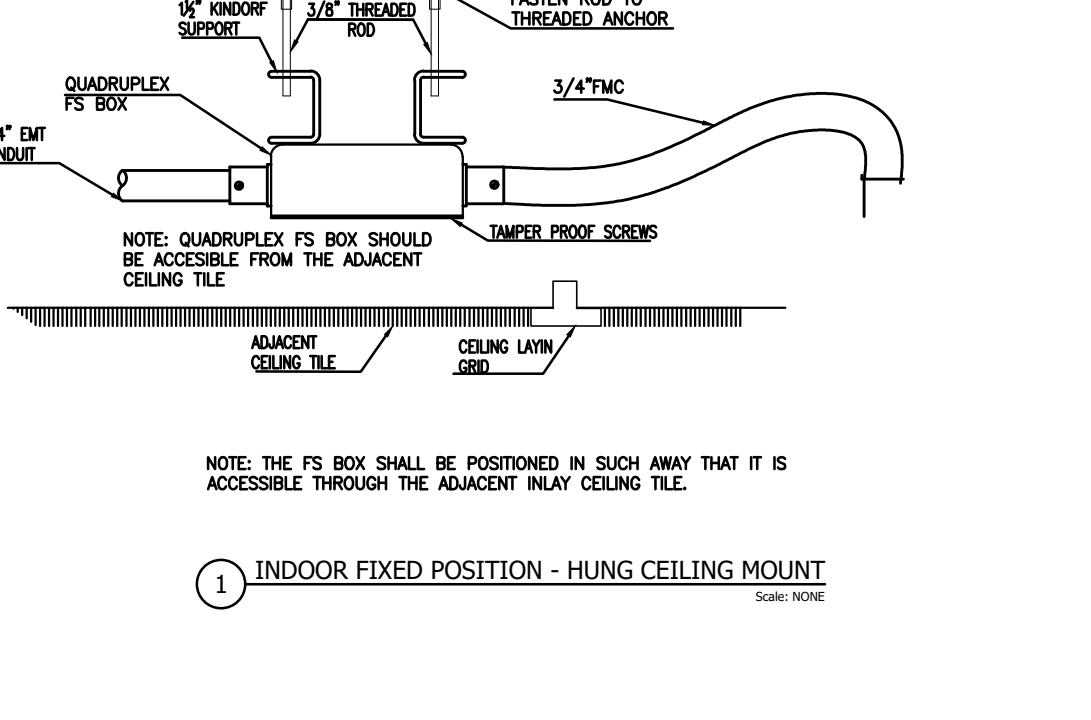
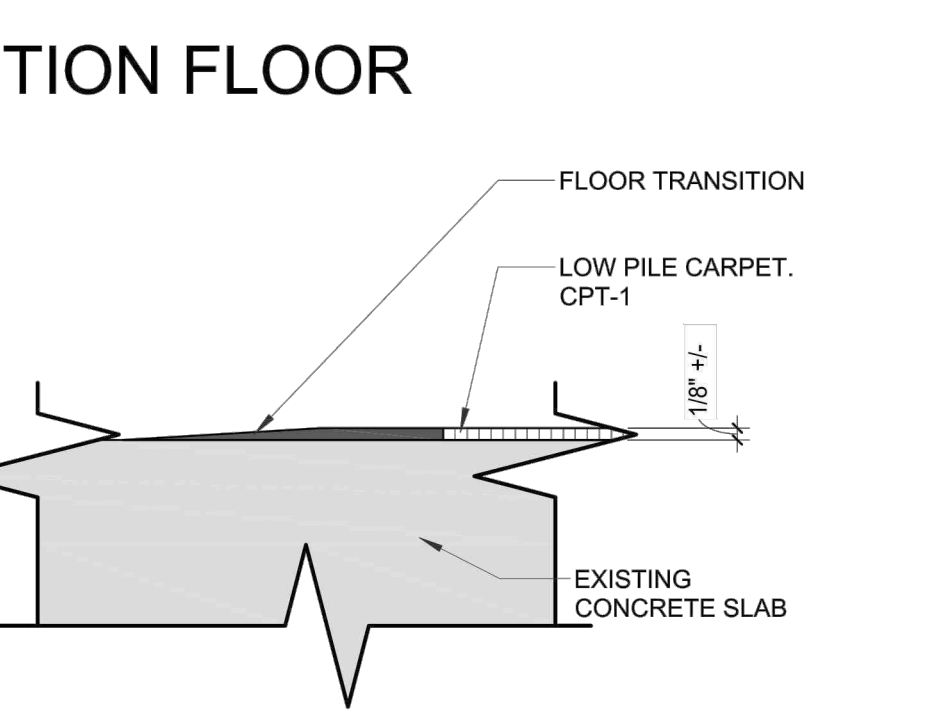
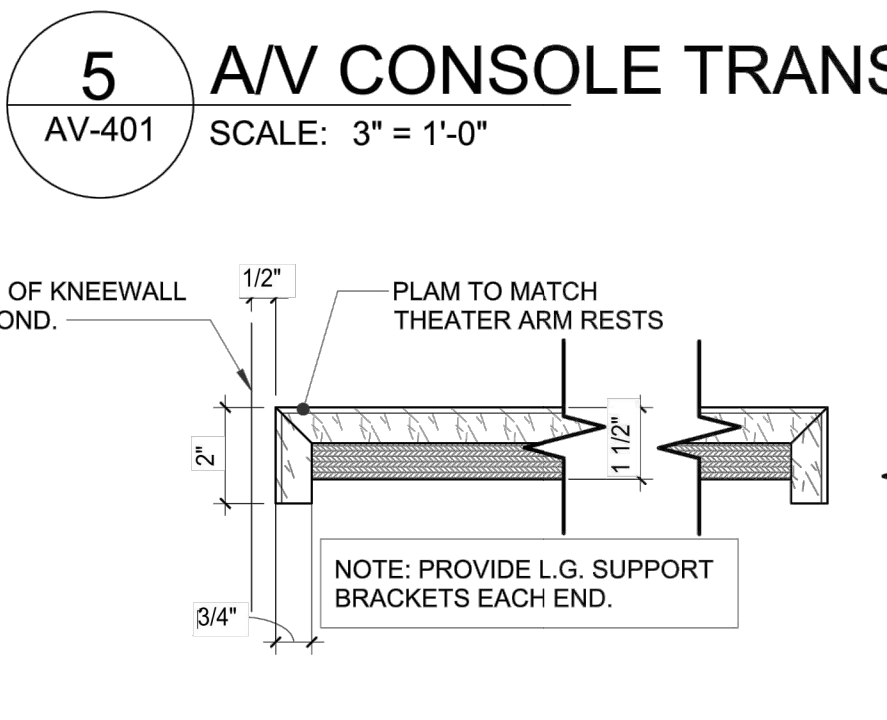
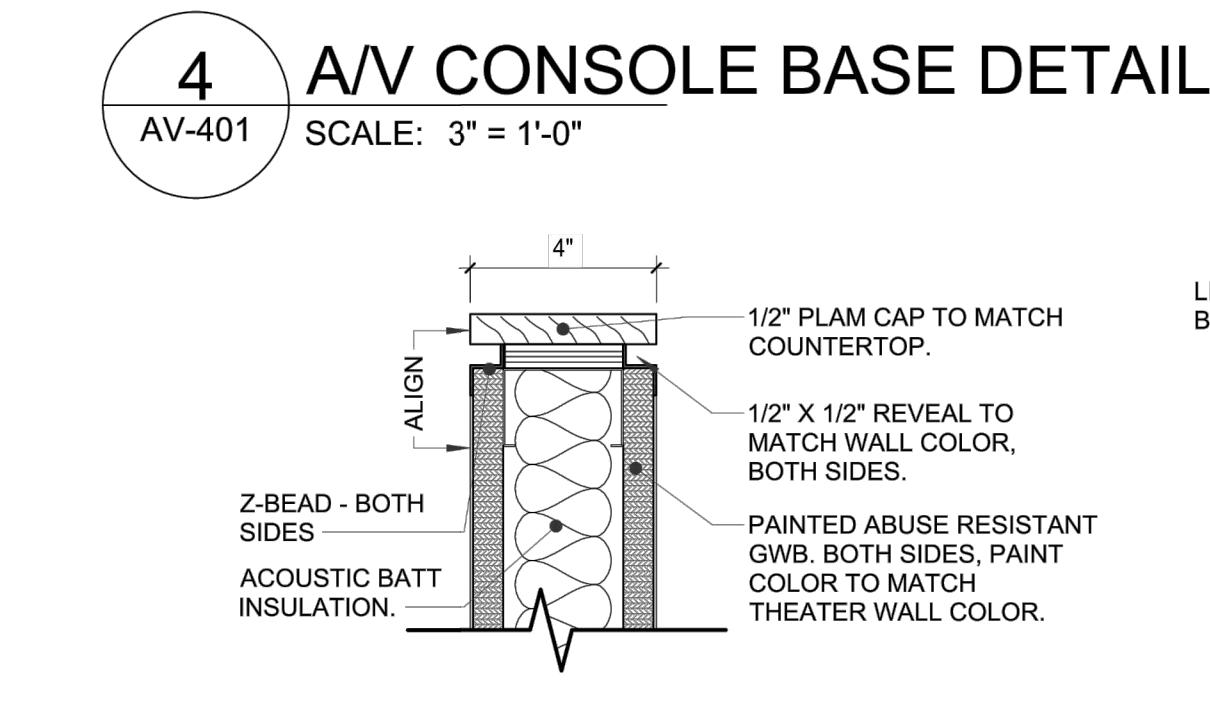
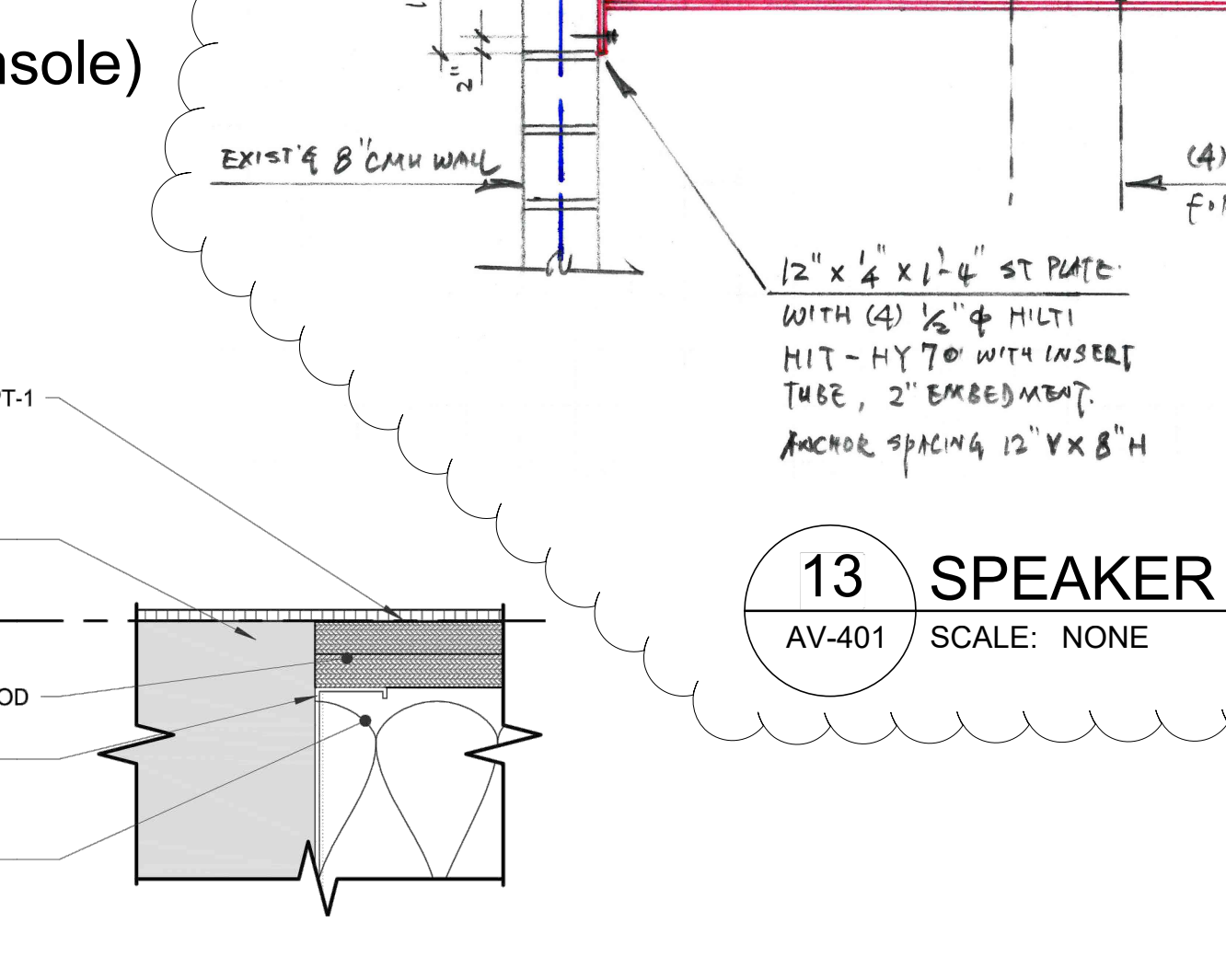
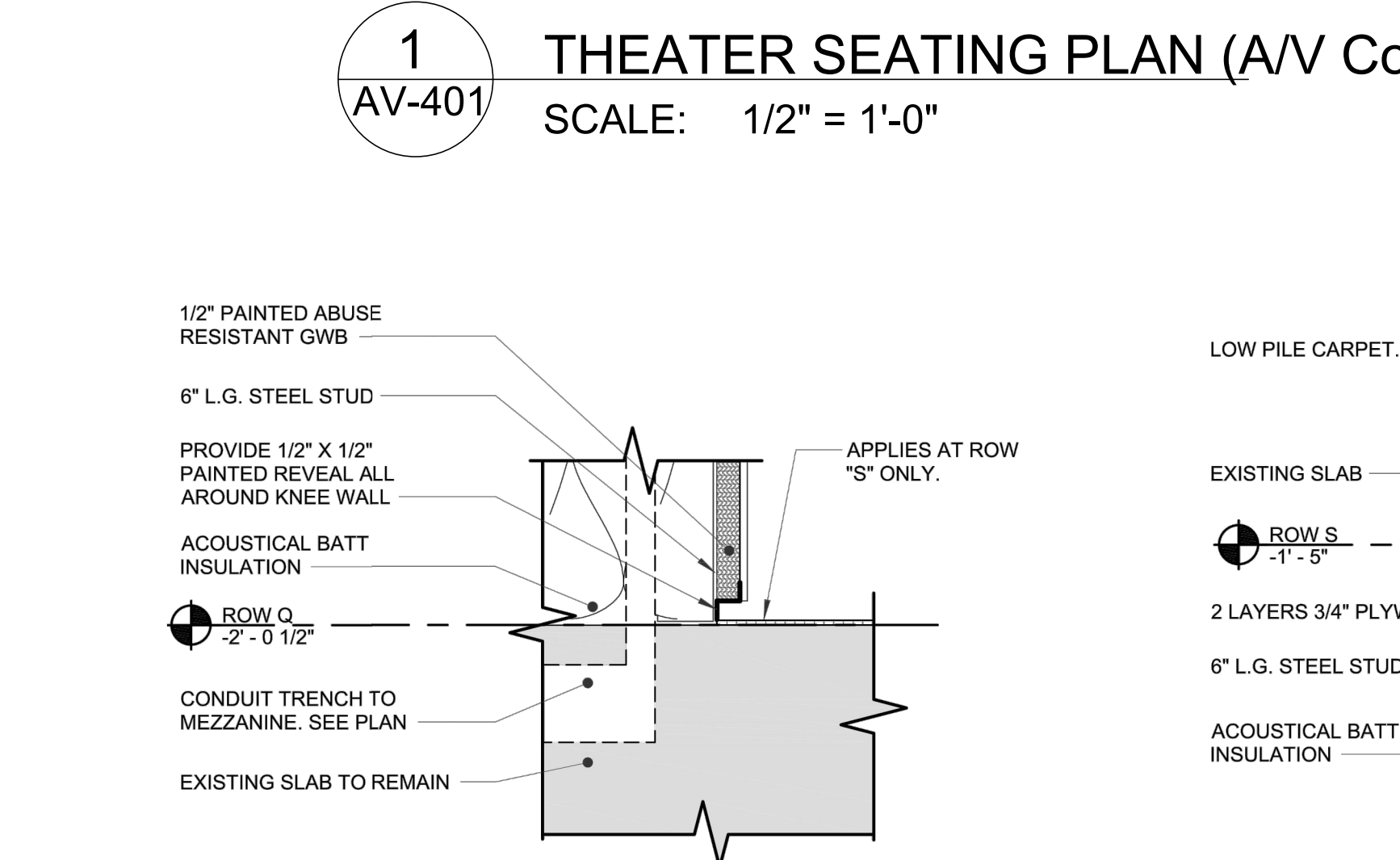
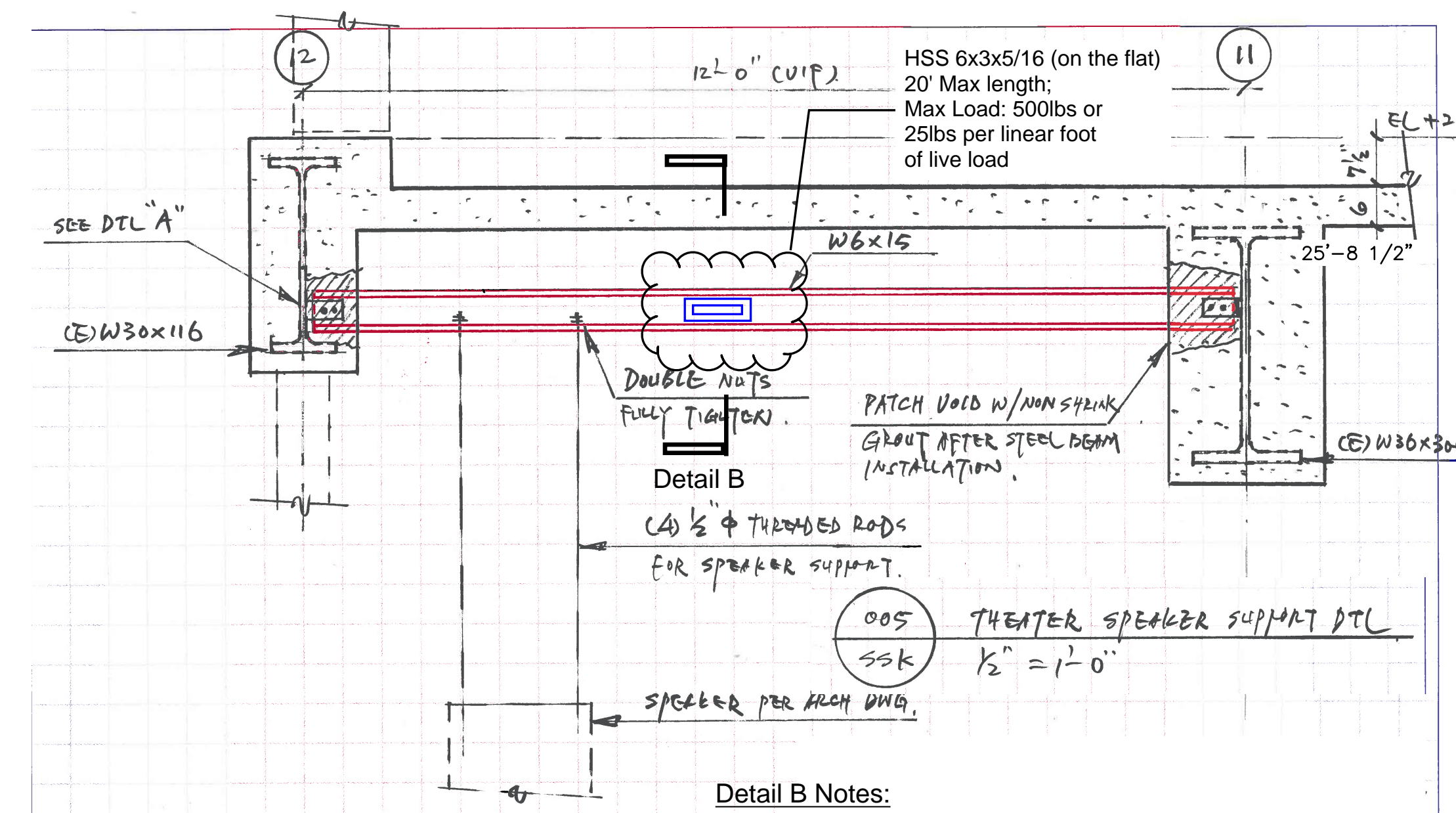
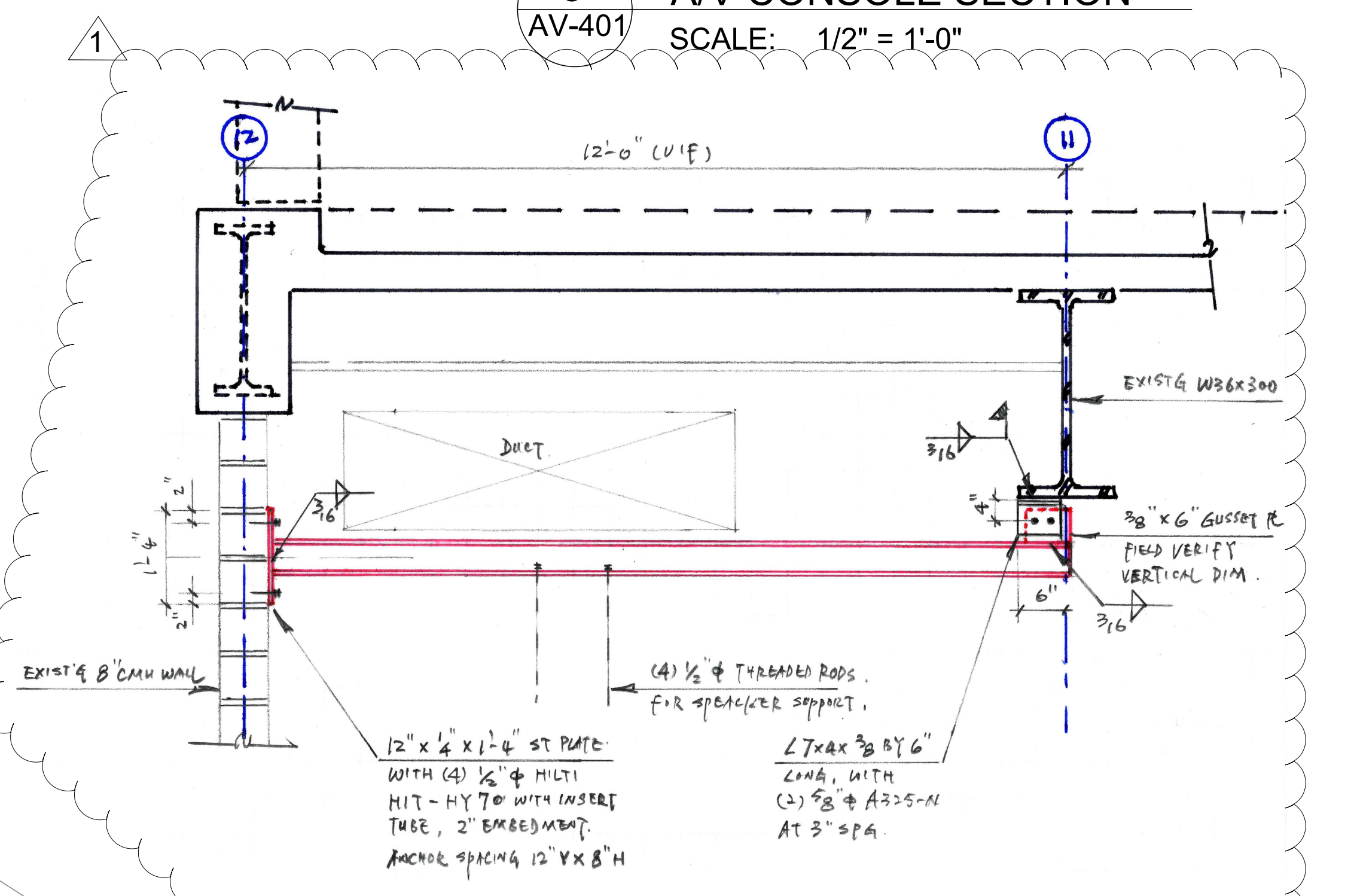
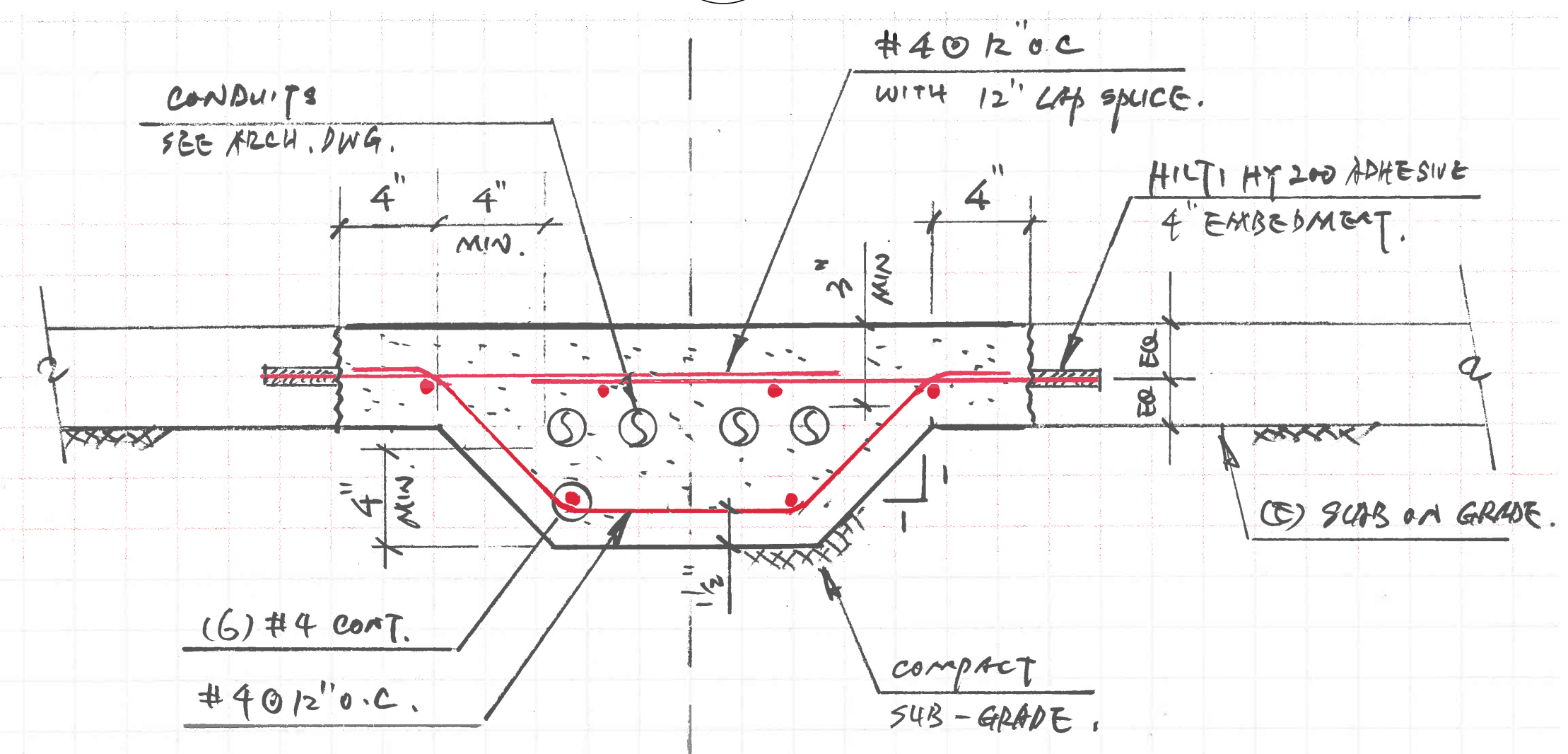
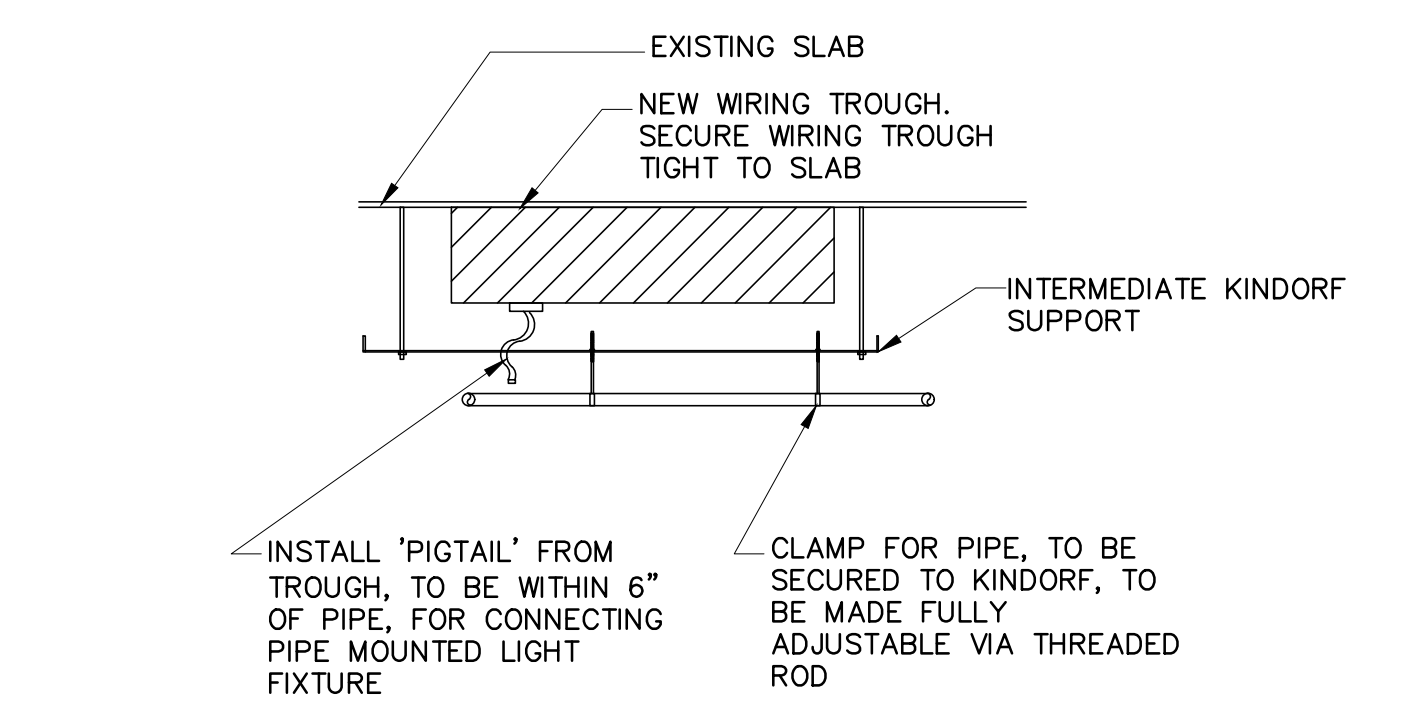
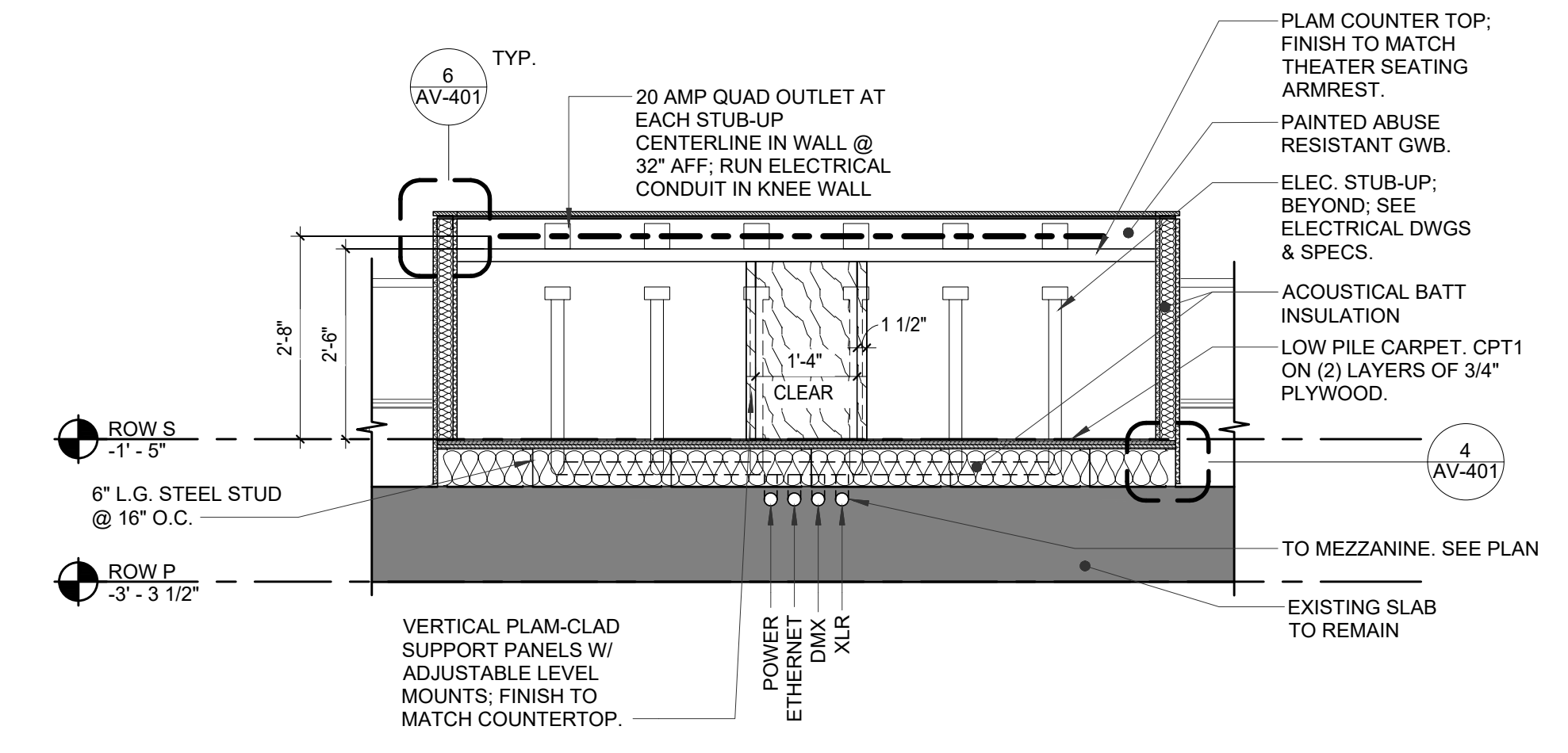
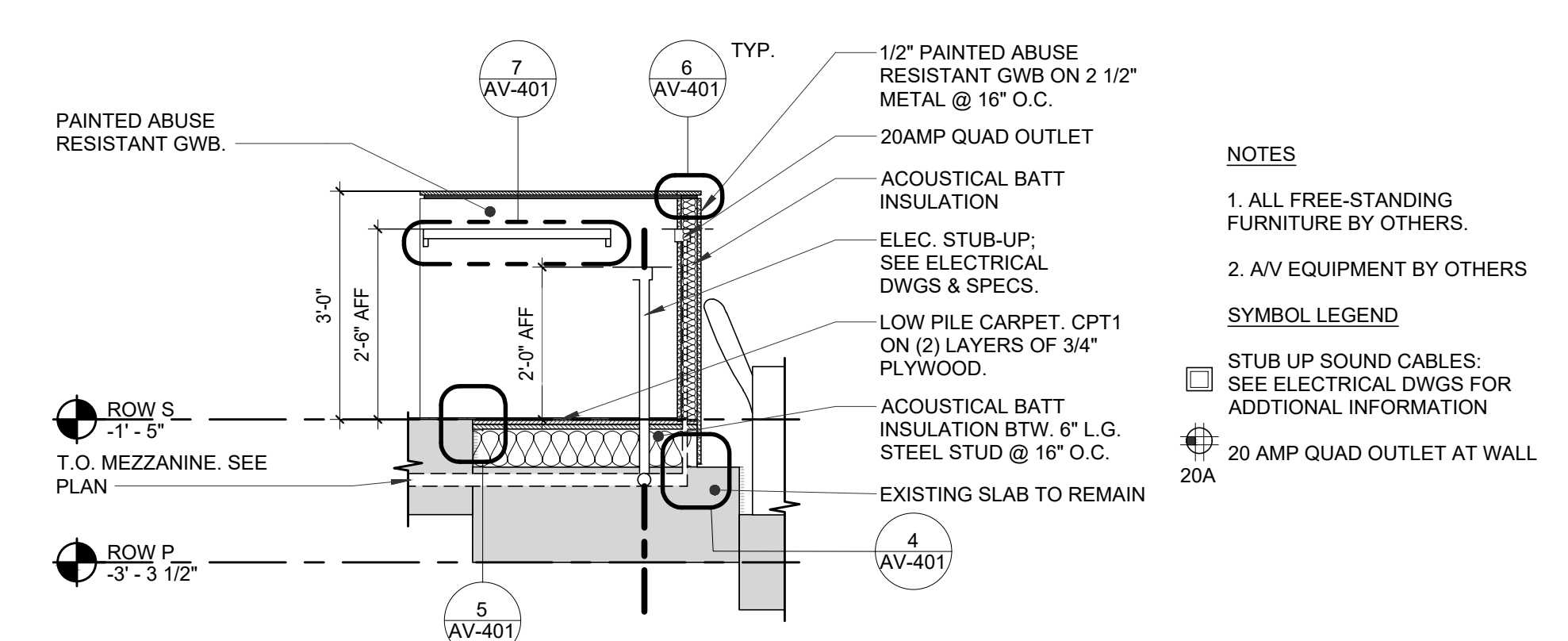
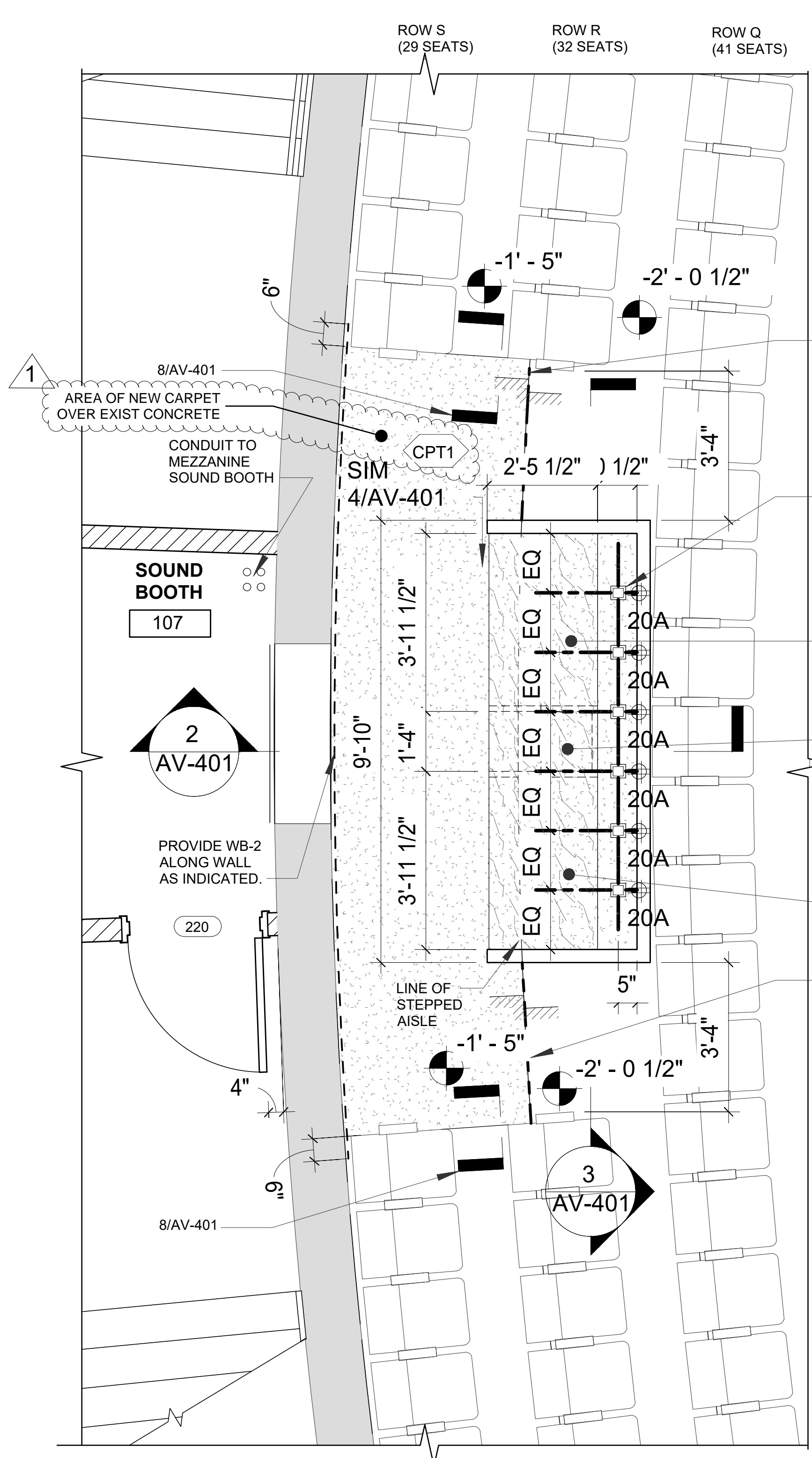


KEY PLAN

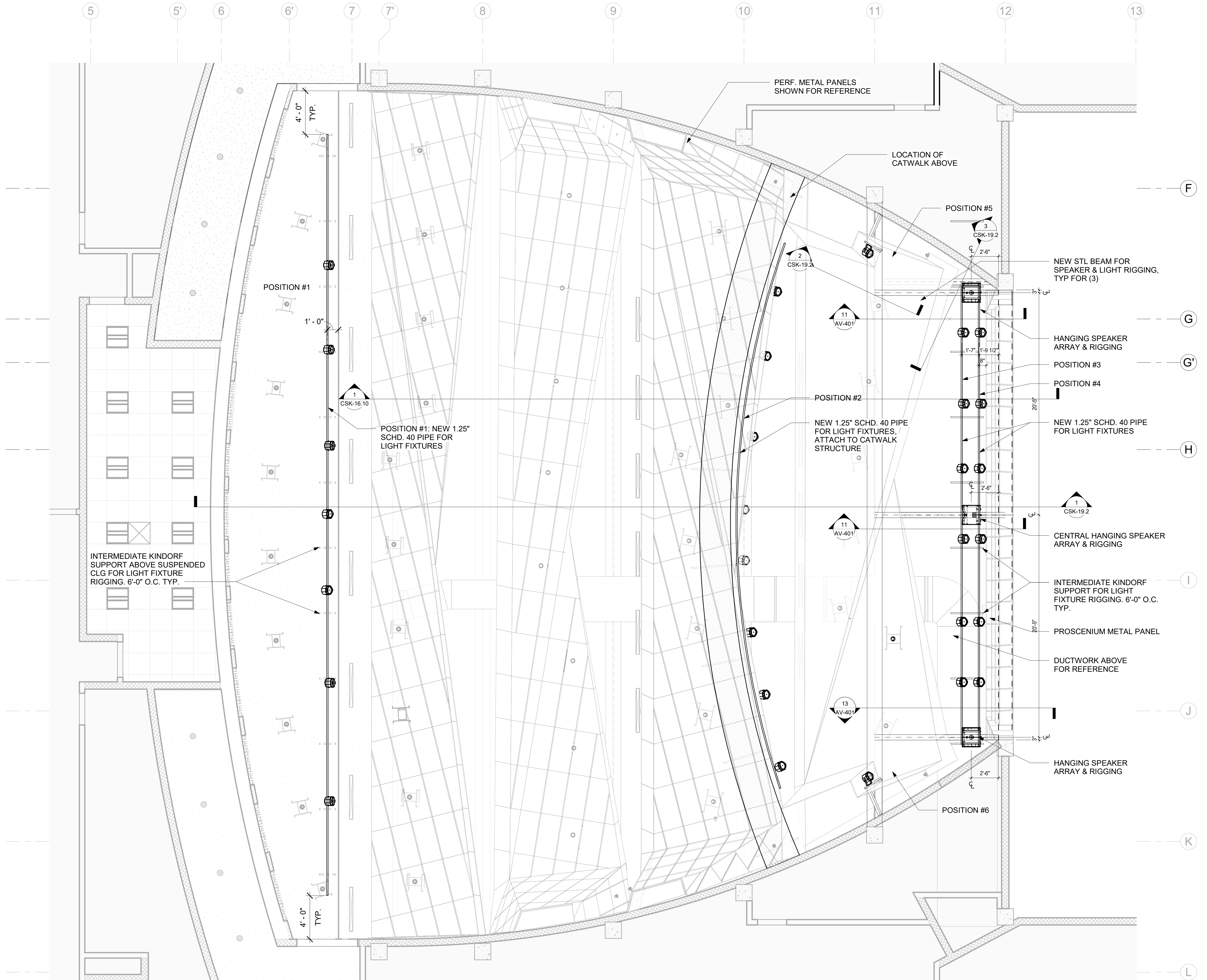
**AV
DETAILS**

GCE Project No. 1277.01.00
Scale: As Noted
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Date: 01/22/2020
Drawing No.:

AV-401.01



TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.



REV	DATE	DESCRIPTION

CELLAR	FIRST FLOOR
SECOND FLOOR	THIRD FLOOR-PENTHOUSE

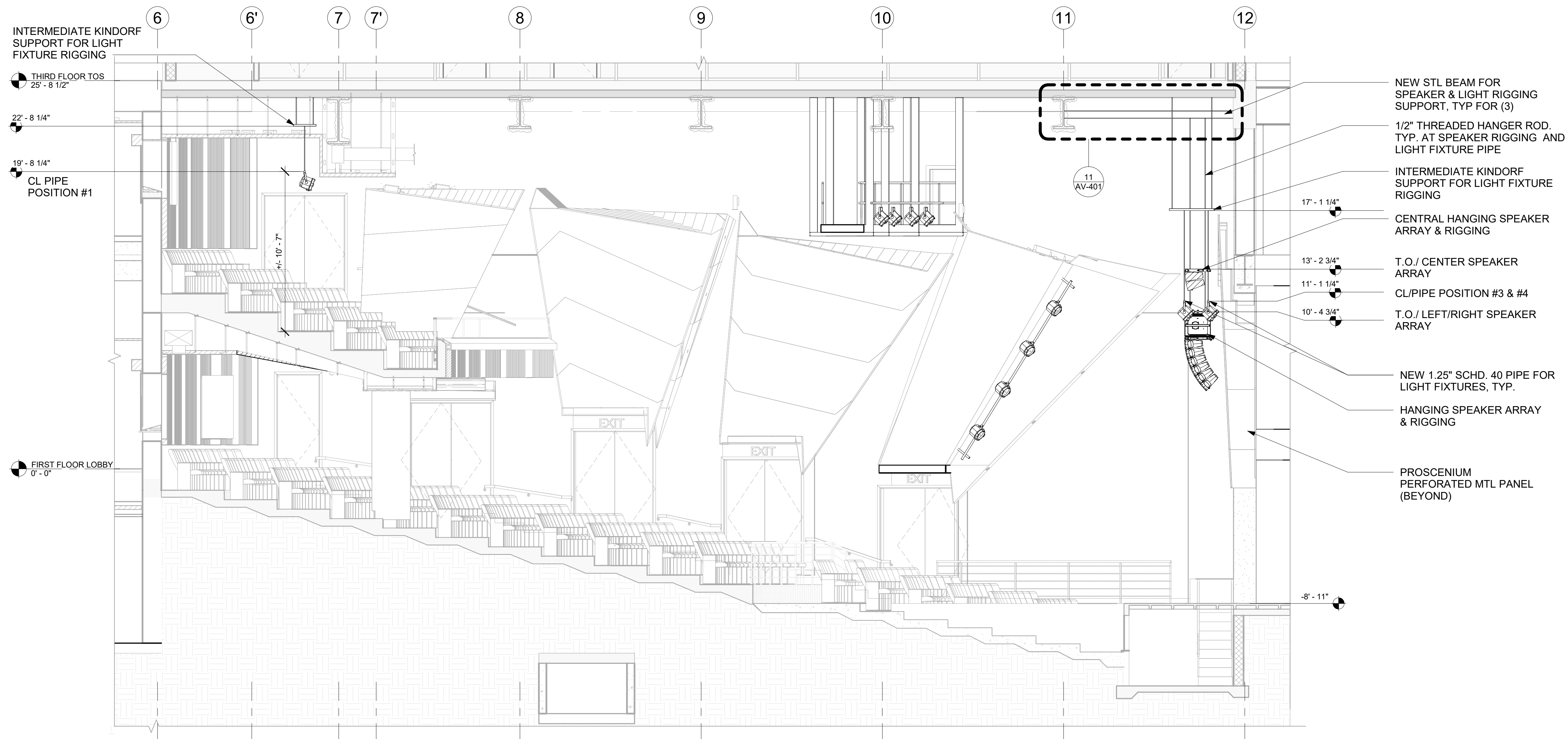
KEY PLAN

AV REFLECTED CEILING
 COORDINATION PLAN

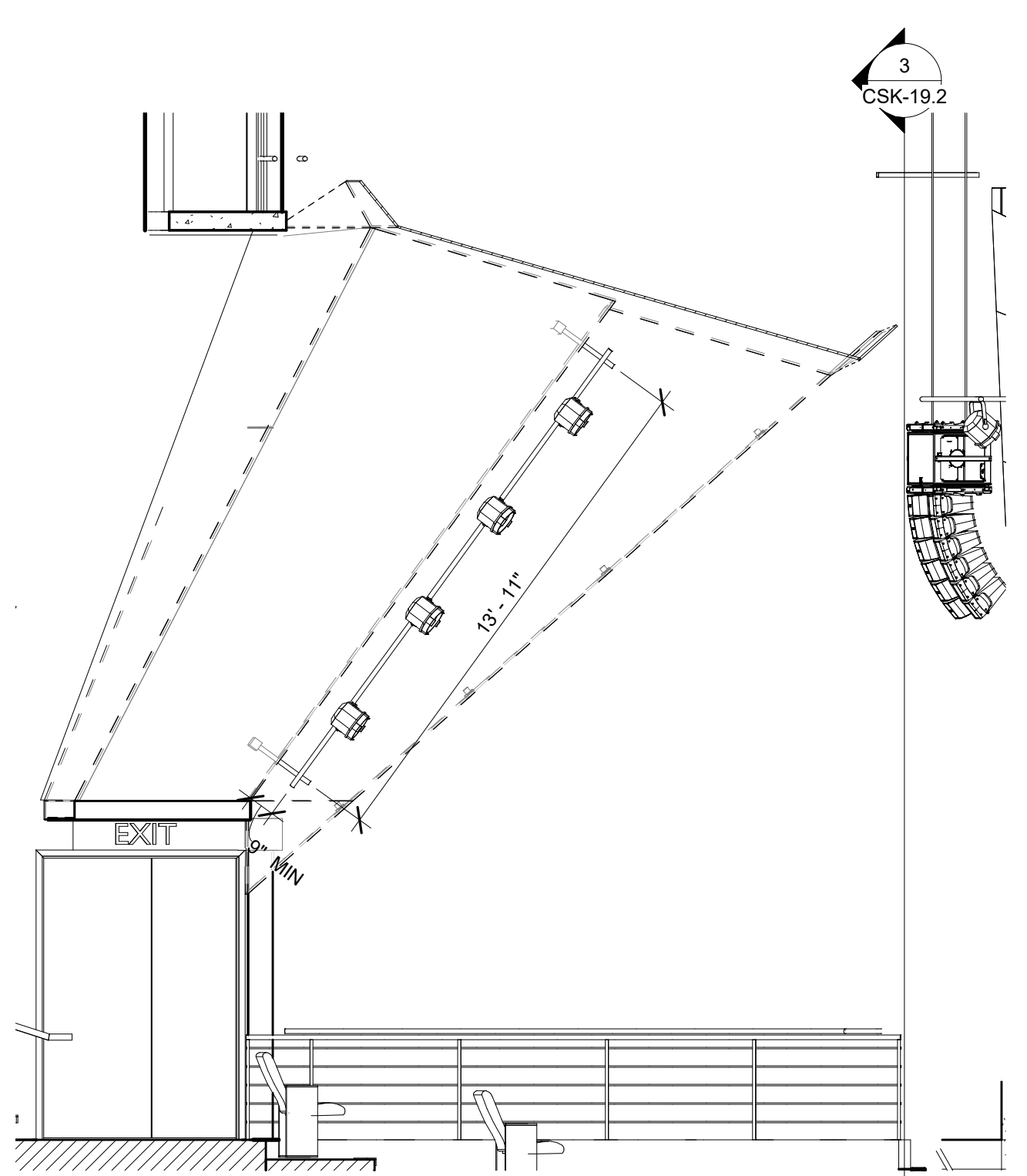
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Scale:	1/4" = 1'-0"
Designed by:	MB
Drawn by:	MP
Checked by:	KK
Date:	09/13/2021
Drawing No.:	

CSK-19.1

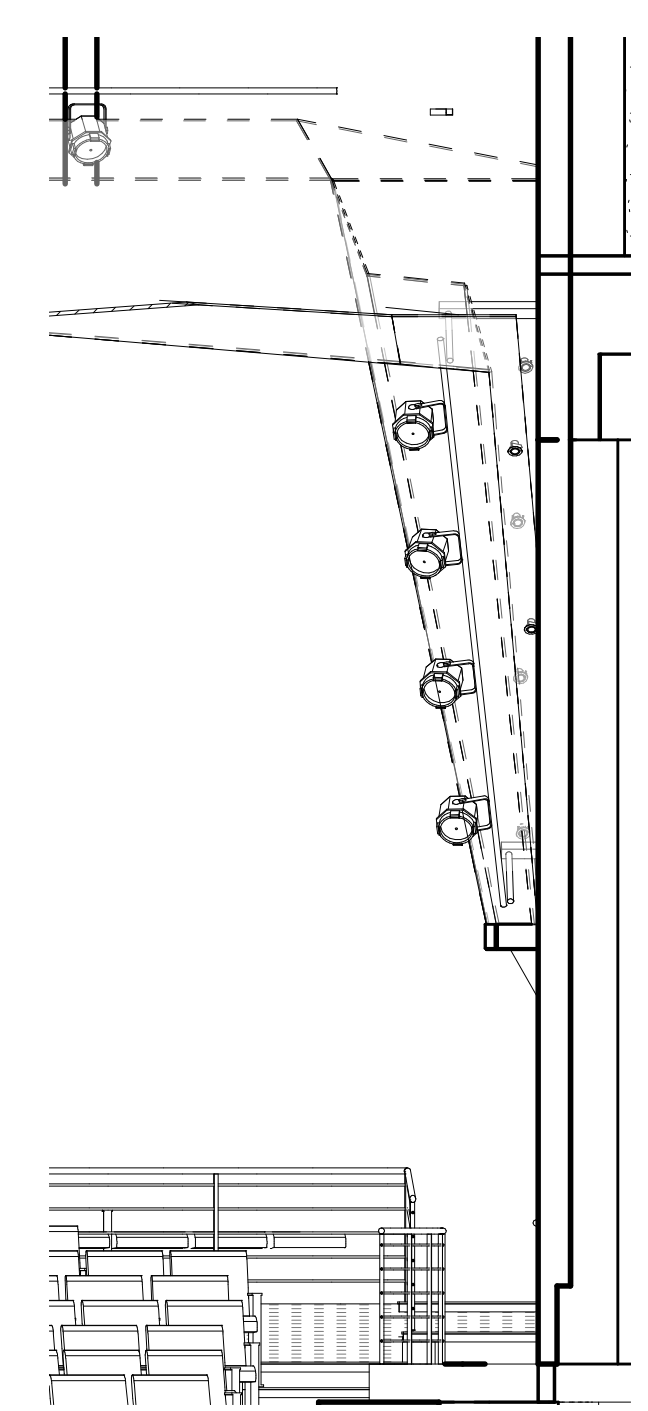
1 AV THEATER RCP COORDINATION PLAN
 CSK-19.1 SCALE: 1/4" = 1'-0"



1 AV COORD - THEATER LONGITUDINAL SECTION
 CSK-19.2 SCALE: 1/4" = 1'-0"



2 BOOM SIDE ELEVATION @ POSITION #5
 CSK-19.2 SCALE: 1/4" = 1'-0"



3 BOOM FRONT ELEVATION @ POSITION #5
 CSK-19.2 SCALE: 1/4" = 1'-0"

REV	DATE	DESCRIPTION

CELLAR	FIRST FLOOR	SECOND FLOOR	THIRD FLOOR-PENTHOUSE

KEY PLAN

**AV THEATER
 COORDINATION
 SECTION**

GA Project No.:	201230
Scale:	1/4" = 1'-0"
Designed by:	MB
Drawn by:	MP
Checked by:	KK
Date:	09/13/2021
Drawing No.:	