

CANYONS SCHOOL DISTRICT

9361 SOUTH 300 EAST
SANDY, UTAH 84076



JORDAN HIGH SCHOOL AUDITORIUM, BAND, CHORAL, MAIN GYM, AUXILIARY GYM LIGHTING AND SOUND UPGRADES

VICINITY MAP



JORDAN HIGH SCHOOL
95 BEET DIGGER BLVD.
SANDY, UTAH 84047

INDEX OF DRAWINGS

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A403	A/V BOOTH PLANS, SECTION & ELEVATIONS
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ABBREVIATIONS INDEX table with columns: ABBREV, DESCRIPTION, ABBREV, DESCRIPTION. Lists various electrical symbols and their corresponding abbreviations and full descriptions.

GENERAL NOTES section containing 14 numbered notes detailing requirements for electrical installations, including coordination, safety, and equipment specifications.

DEMOLITION NOTES section containing 8 numbered notes detailing requirements for demolition work, including coordination, safety, and disposal of materials.

INDEX OF DRAWINGS table listing drawing titles and their corresponding sheet numbers, organized by category such as Symbols, Schedules, and Demolition Plans.

SYMBOL SCHEDULE section containing notes and a large table of symbols, descriptions, and mounting heights for various electrical components like switches, outlets, and receptacles.

Table of symbols and descriptions for various electrical components, including fire alarm devices, telecommunications outlets, and power receptacles.

Table of symbols and descriptions for security-related components, including IP cameras, video recorders, and intrusion detection systems.

BNA CONSULTING logo and contact information: 4225 Lake Park Blvd Ste 275, West Valley City, Utah 84120.

Vertical text on the right edge of the page: JORDAN HIGH SCHOOL AUDITORIUM REMODEL SANDY, UTAH.

Professional Engineer seal for Brian Hicks, State of Utah, License No. 27448.

ADDITIONAL/CLARIFICATION/REVISION table with columns: MARK, DATE, DESCRIPTION.

DATE: APRIL 2024, PROJECT NO: 24018, DRAWN BY: BNA, CHK'D BY: RLW.

SYMBOLS, SCHEDULES AND NOTES section header.

E001 section header.

Stage Lighting Relay Panel Schedule - SRP1

Table with columns: Dimmer, Location, Circuit #, DMX Channel, Load, Load Type, EM. Rows 1-24.

DIMMER LOAD TYPE KEY: INC LINE VOLTAGE INCANDESCENT, MLV MAGNETIC LOW VOLTAGE, ELV ELECTRONIC LOW VOLTAGE, 0-10V 0-10V DIMMING, DMX DMX DIMMING, SW SWITCHED RELAY, ND NON-DIM CIRCUIT.

Stage Lighting Relay Panel Schedule - SRP2

Table with columns: RELAY, Location, Circuit #, DMX Channel, Load, Load Type, EM. Rows 1-24.

DIMMER LOAD TYPE KEY: INC LINE VOLTAGE INCANDESCENT, MLV MAGNETIC LOW VOLTAGE, ELV ELECTRONIC LOW VOLTAGE, 0-10V 0-10V DIMMING, DMX DMX DIMMING, SW SWITCHED RELAY, ND NON-DIM CIRCUIT.

Stage Lighting Relay Panel Schedule - SRP3

Table with columns: RELAY, Location, Circuit #, DMX Channel, Load, Load Type, EM. Rows 1-24.

DIMMER LOAD TYPE KEY: INC LINE VOLTAGE INCANDESCENT, MLV MAGNETIC LOW VOLTAGE, ELV ELECTRONIC LOW VOLTAGE, 0-10V 0-10V DIMMING, DMX DMX DIMMING, SW SWITCHED RELAY, ND NON-DIM CIRCUIT.

AUDITORIUM DISTRIBUTION SCHEDULE: Table with columns: LABEL, LOCATION, TYPE, LENGTH, QUANTITY OF CIRCUITS, CIRCUIT #S, STAGE-PIN OUTLETS, TWIST-LOK OUTLETS, NETAP, Notes.

FIXTURE SCHEDULE: Table with columns: TYPE, DESCRIPTION, MANUFACTURER, CATALOG NUMBER, VOLTS, TOTAL WATTS, LAMPS.

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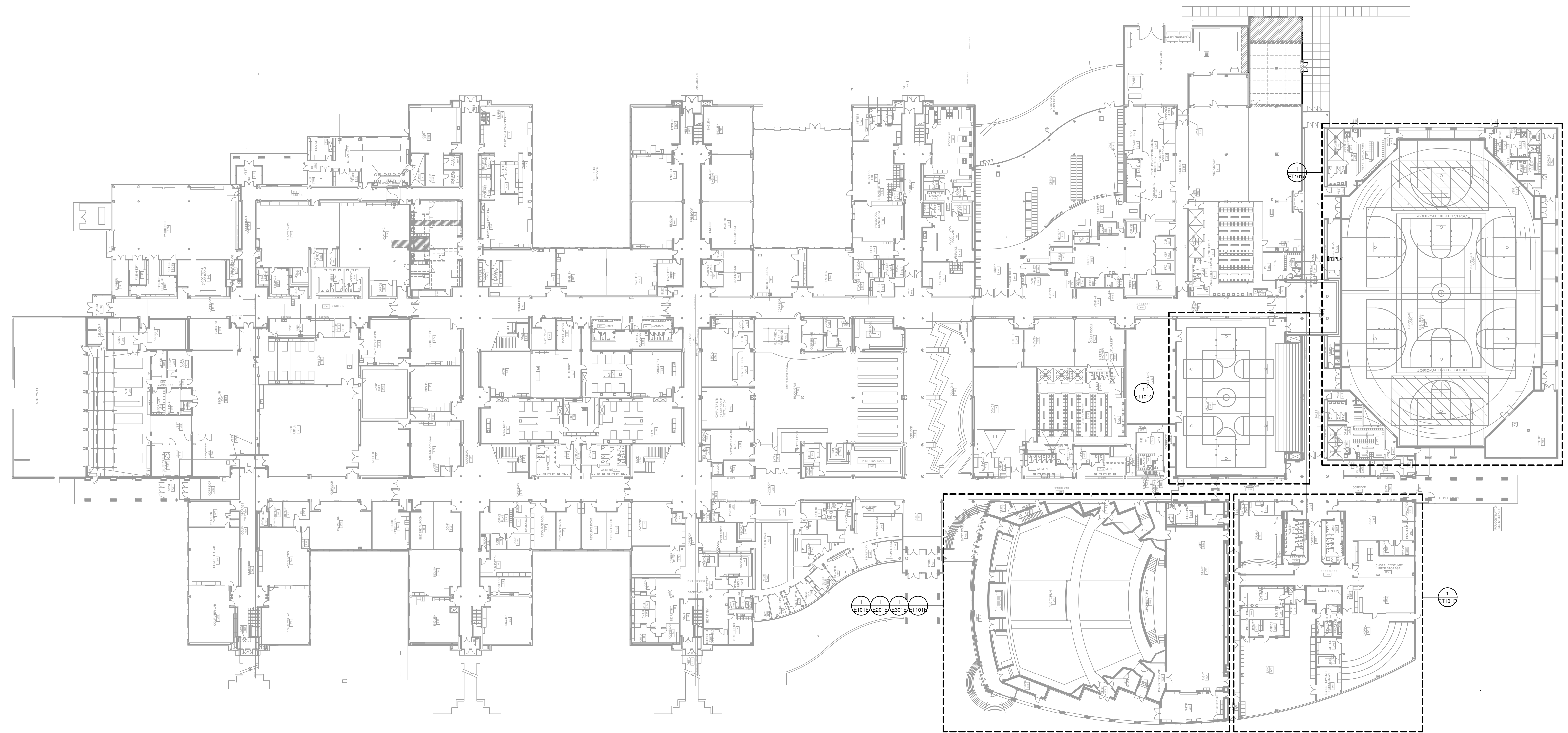


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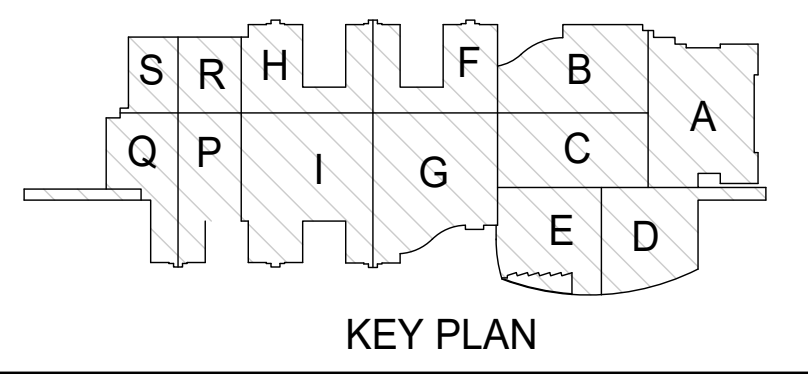
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SCHEDULES

E002

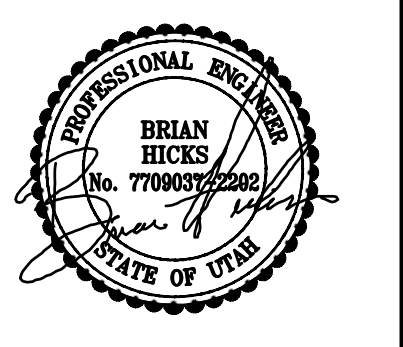


PLAN NORTH
↑
ELECTRICAL PLAN LEVEL 1 - OVERALL
1" = 30'-0"
0 15' 30' 60'



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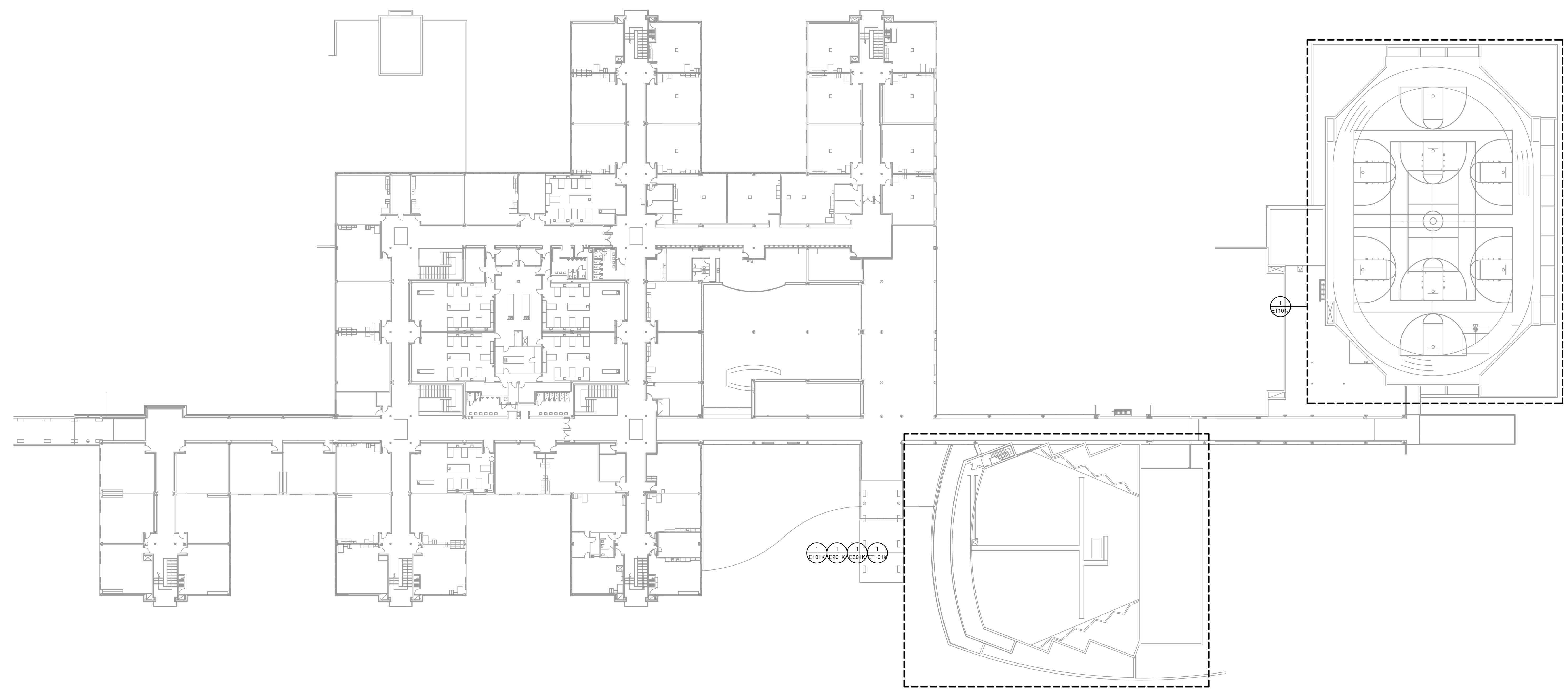


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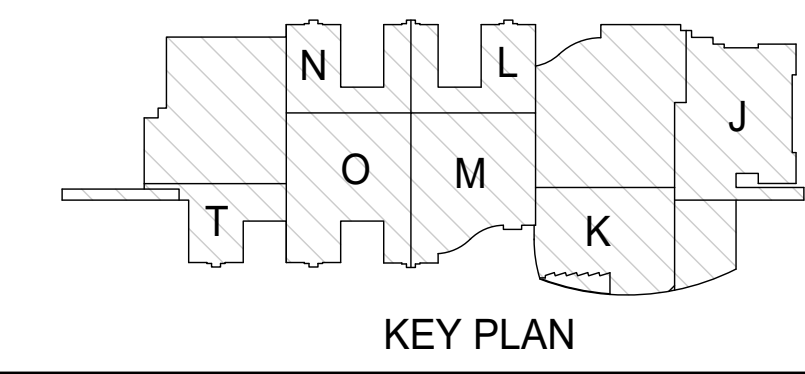
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ELECTRICAL PLAN LEVEL 1 - OVERALL

E003

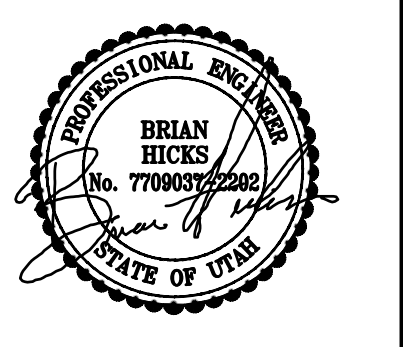


PLAN NORTH
↑
ELECTRICAL PLAN LEVEL 2 - OVERALL
1" = 30'-0"
0 15' 30' 60'



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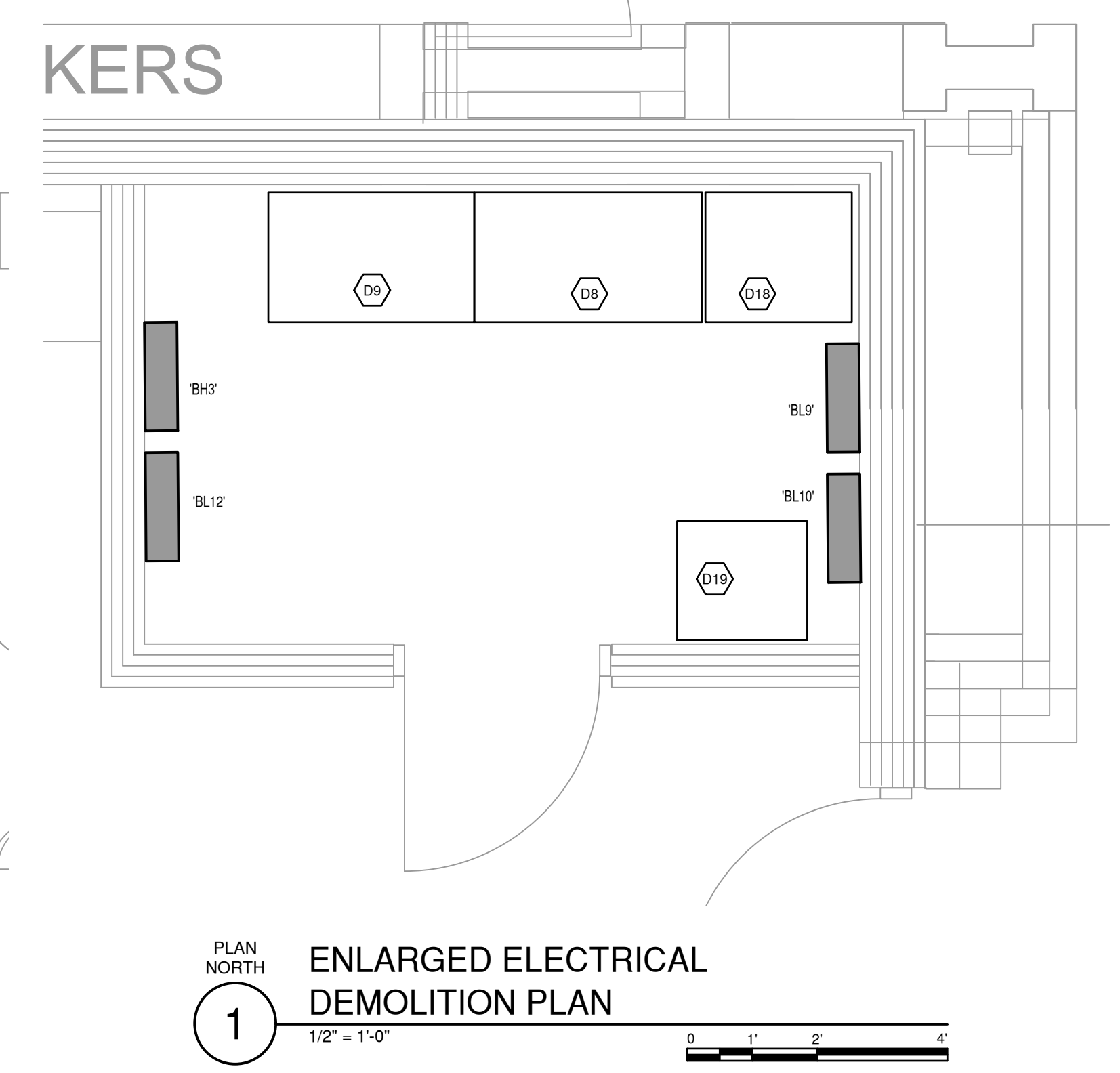
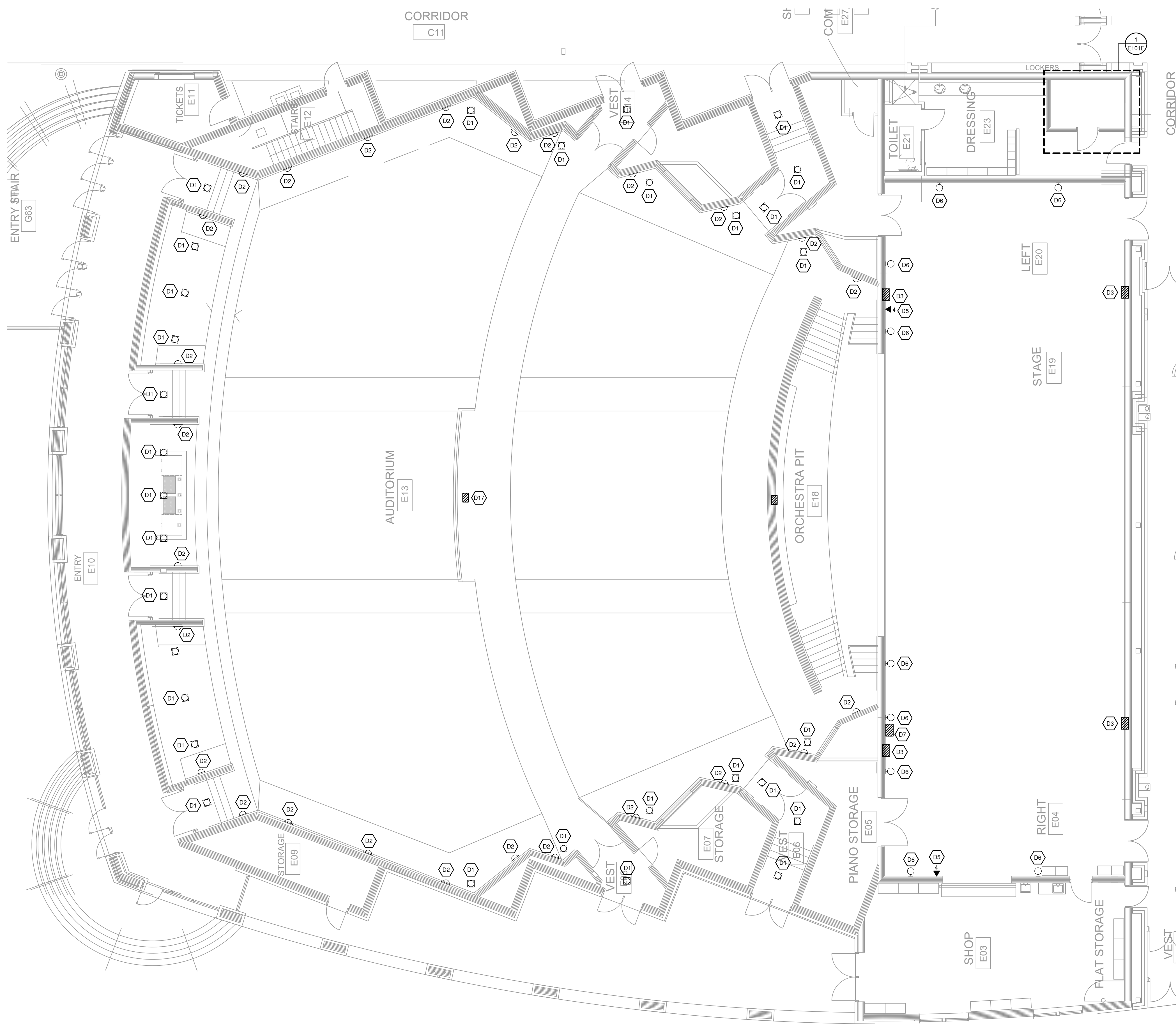
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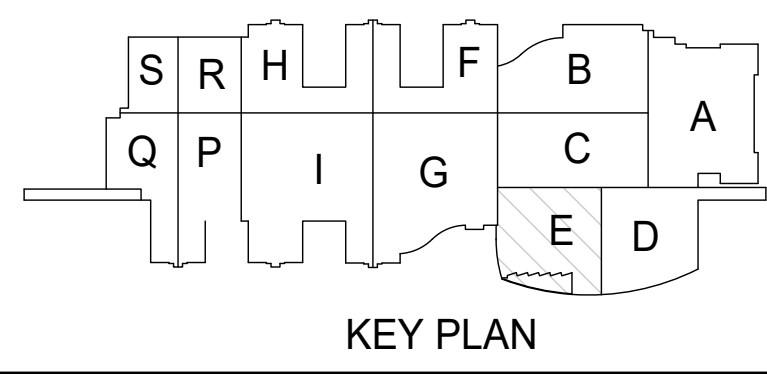
**ELECTRICAL
PLAN LEVEL 2
- OVERALL**

E004

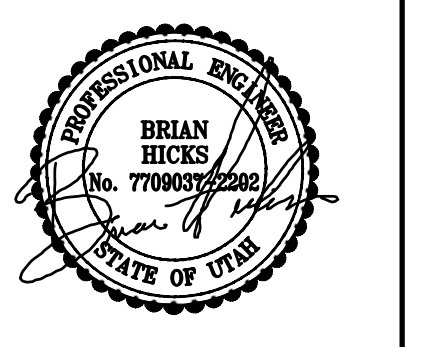
- SHEET KEYNOTES**
- D1 REMOVE EXISTING FIXTURE AND DISCARD. MAINTAIN EXISTING CONDUIT AND WIRING TO BE REUSED WITH NEW FIXTURE.
 - D2 REMOVE INTERIOR PORTION OF FIXTURE. HOUSING TO REMAIN AND BE REUSED FOR NEW FIXTURE.
 - D3 EXISTING OUTLET BOXES TO BE REPLACED. EXISTING WIRING BACK TO DIMMING RACK TO BE REMOVED AND REPULLED. EXISTING CONDUIT TO REMAIN.
 - D4 EXISTING LIGHTING CONTROL TO BE REPLACED. EXISTING CONDUIT RUNNING BACKSTAGE TO REMAIN. BACKSTAGE THE CONDUIT SHALL BE REROUTED TO THE NEW EQUIPMENT RACK LOCATION. REMOVE EXISTING WIRING.
 - D5 EXISTING NETWORK OUTLET TO REMAIN. PROVIDE NEW FACE PLATES AND CONNECTORS.
 - D6 EXISTING WALL SCENES TO BE REPLACED LIKE FOR LIKE. MAINTAIN CONDUIT AND WIRING TO FIXTURES.
 - D7 EXISTING LIGHTING CONTROL BOX TO BE REMOVED. EXISTING DMX AND HOUSING LIGHTING WIRING BACK TO THE BOOTH SHALL BE REMOVED. EXISTING CONDUIT TO BOOTH SHALL REMAIN AND BE REUSED FOR NEW LIGHTING NETWORK CONNECTION.
 - D8 EXISTING DIMMER RACK TO BE REMOVED. ALL BRANCH CIRCUIT WIRING TO BE REMOVED. EXISTING FEEDERS TO DIMMER RACK TO BE REMOVED. ALL EXISTING CONDUITS SHALL REMAIN AND BE REUSED.
 - D9 EXISTING HOUSE LIGHT CONTROLLER TO BE REMOVED. CONTRACTOR TO VERIFY CONTROLLER CONTROLS THE METAL HALLIE FIXTURES IN AUDITORIUM. IF SO THE EXISTING CONDUIT AND WIRING SHALL BE REMOVED.
 - D17 EXISTING FLOOR BOX HOUSING TO REMAIN. EXISTING FACEPLATE AND INTERIOR MOUNTING PLATE TO BE REMOVED AND REPLACED.
 - D18 EXISTING DIMMER RACK FEEDER PULL BOX TO REMAIN. PULL FEEDER BACK TO PULL BOX. SEE POWER PLAN SHEET E301E FOR NEW REQUIREMENTS.
 - D19 EXISTING DATA RACK TO REMAIN. SEE POWER PLAN SHEET E301E FOR NEW REQUIREMENTS.



ELECTRICAL DEMOLITION PLAN - AREA E
 1/8" = 1'-0"



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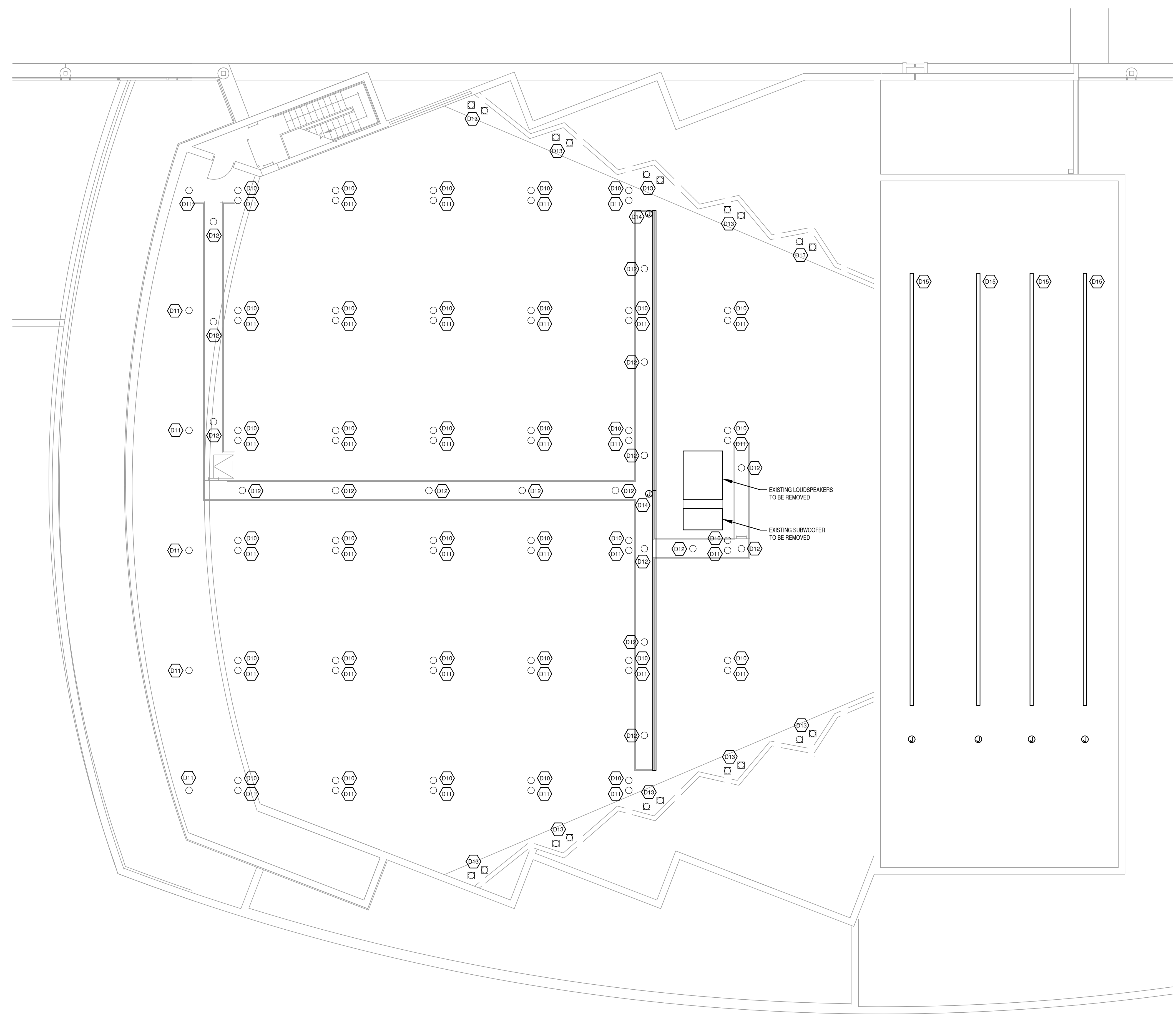
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ELECTRICAL DEMOLITION PLAN - AREA E

E101E

SHEET KEYNOTES	
D10	REMOVE EXISTING METAL HALIDE FIXTURES. REMOVE ALL CONDUIT AND WIRING BACK TO THE PANEL. ALL CONDUITS IN NON EXPOSED AREAS SHALL BE ABANDONED.
D11	EXISTING INCANDESCENT CYLINDERS TO BE REMOVED AND REPLACED WITH NEW. EXISTING WIRING TO BE REMOVED. EXISTING CONDUITS TO BE REWORKED TO ALLOW FOR NEW EMERGENCY LIGHTING CIRCUITS. WHERE POSSIBLE THE EXISTING CONDUITS SHALL REMAIN.
D12	EXISTING JELLY JAR FIXTURES TO BE REPLACED WITH NEW FIXTURES. ALL EXISTING CONDUIT AND WIRING TO REMAIN.
D13	EXISTING UPLIGHT TO BE REMOVED. EXISTING CONDUIT AND WIRING TO REMAIN. PATCH AND PAINT HOLES FROM THE EXISTING FIXTURES.
D14	EXISTING FRONT OF HOUSE CONNECTOR STRIPS TO BE REMOVED AND REPLACED. EXISTING CONDUITS TO REMAIN. ALL EXISTING WIRING TO BE REMOVED BACK TO DIMMER RACK.
D15	EXISTING CONNECTOR STRIP CONNECTED TO ELECTRIC TO BE REMOVED AND REPLACED. EXISTING MULTI CABLE TO BE REMOVED.
D16	EXISTING GRID MOUNTED JUNCTION BOX TO BE REMOVED. ALL EXISTING WIRING TO BE REMOVED BACK TO THE DIMMER RACK. ALL EXISTING CONDUITS TO REMAIN.

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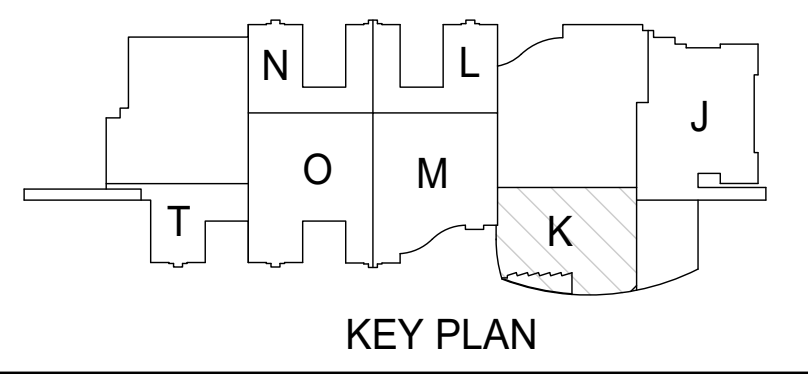
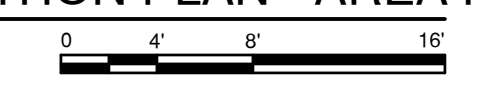


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**ELECTRICAL DEMOLITION
 PLAN - AREA K**

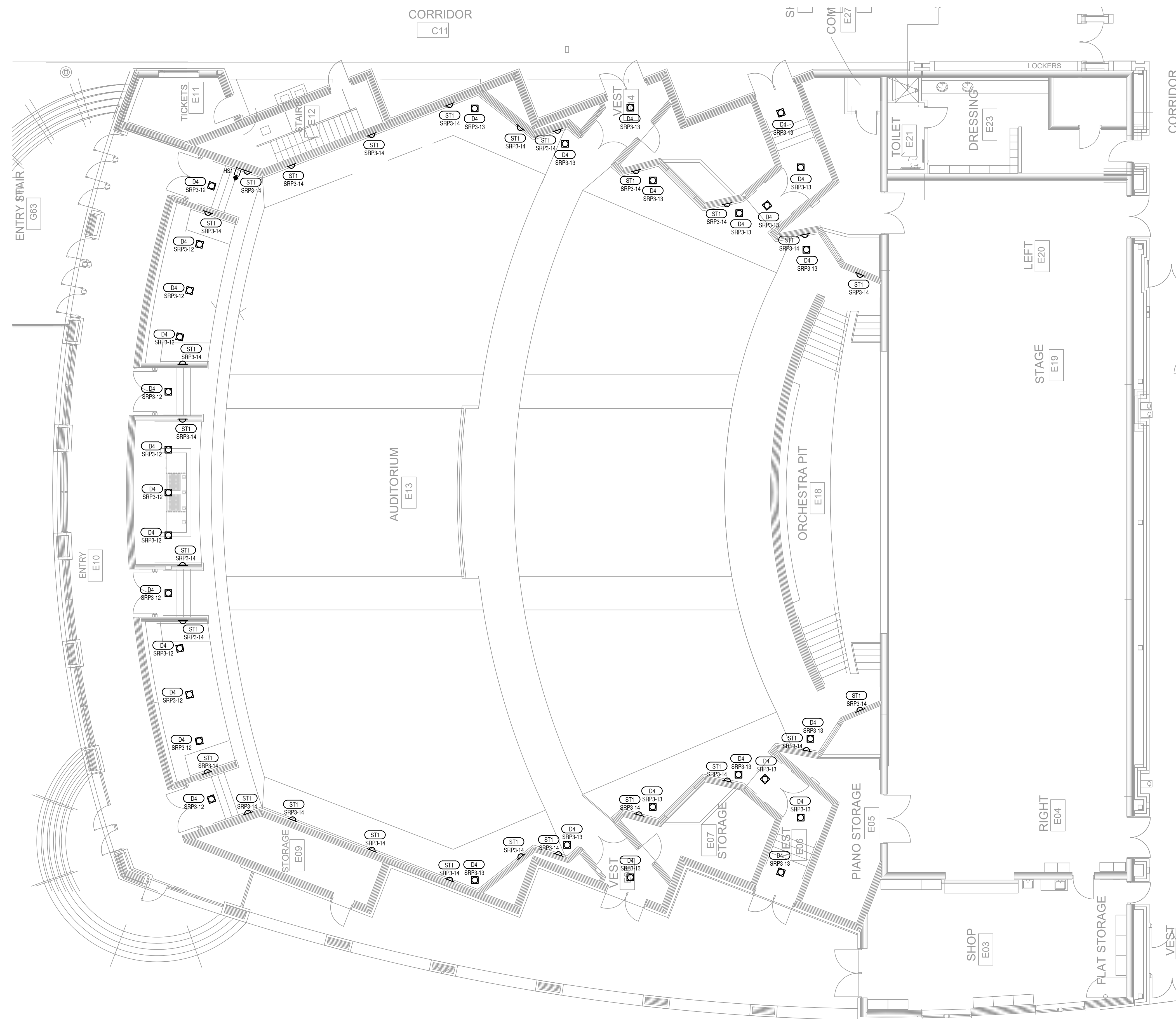
ELECTRICAL DEMOLITION PLAN - AREA K
 1/8" = 1'-0"



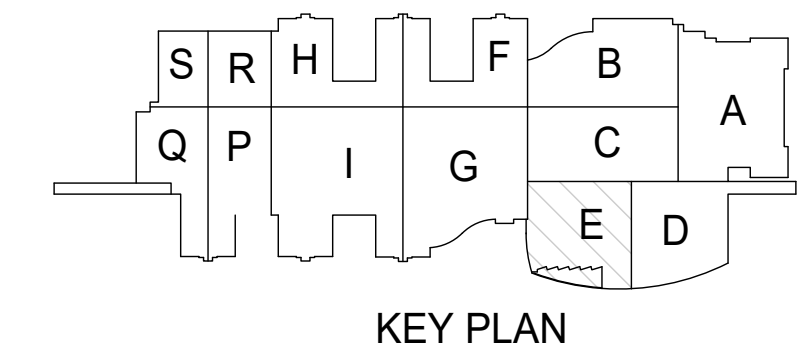
E101K

SHEET KEYNOTES	
E1	

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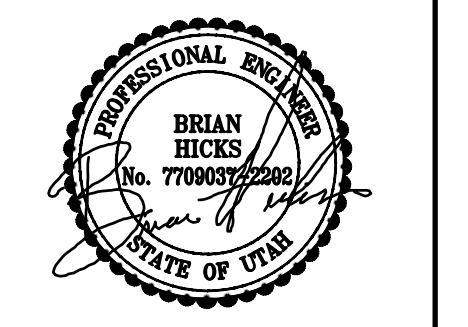


LIGHTING PLAN - AREA E
1/8" = 1'-0"



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LIGHTING PLAN
- AREA E

E201E

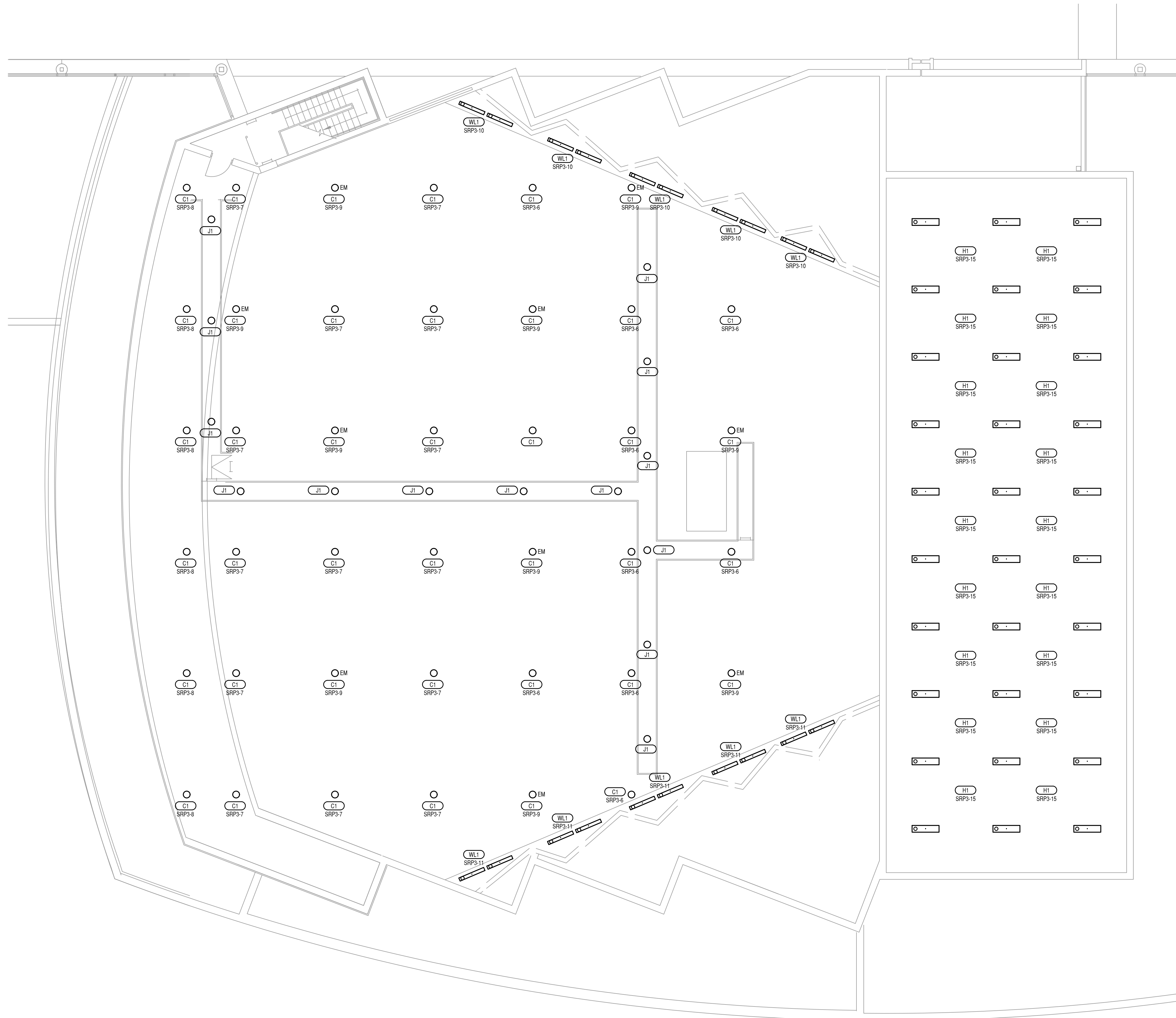
SHEET KEYNOTES	
○	E1

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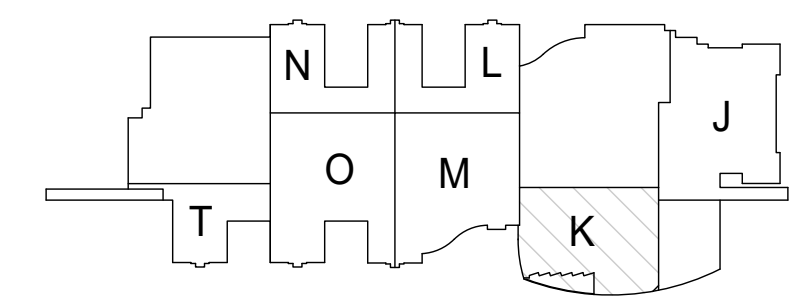
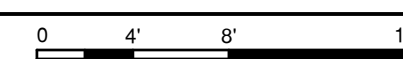
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LIGHTING PLAN - AREA K

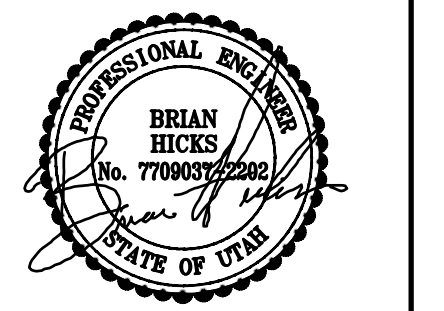
1/8" = 1'-0"



KEY PLAN

JORDAN HIGH SCHOOL
AUDITORIUM REMODEL

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ADDENDUM/CLARIFICATION/REVISION		
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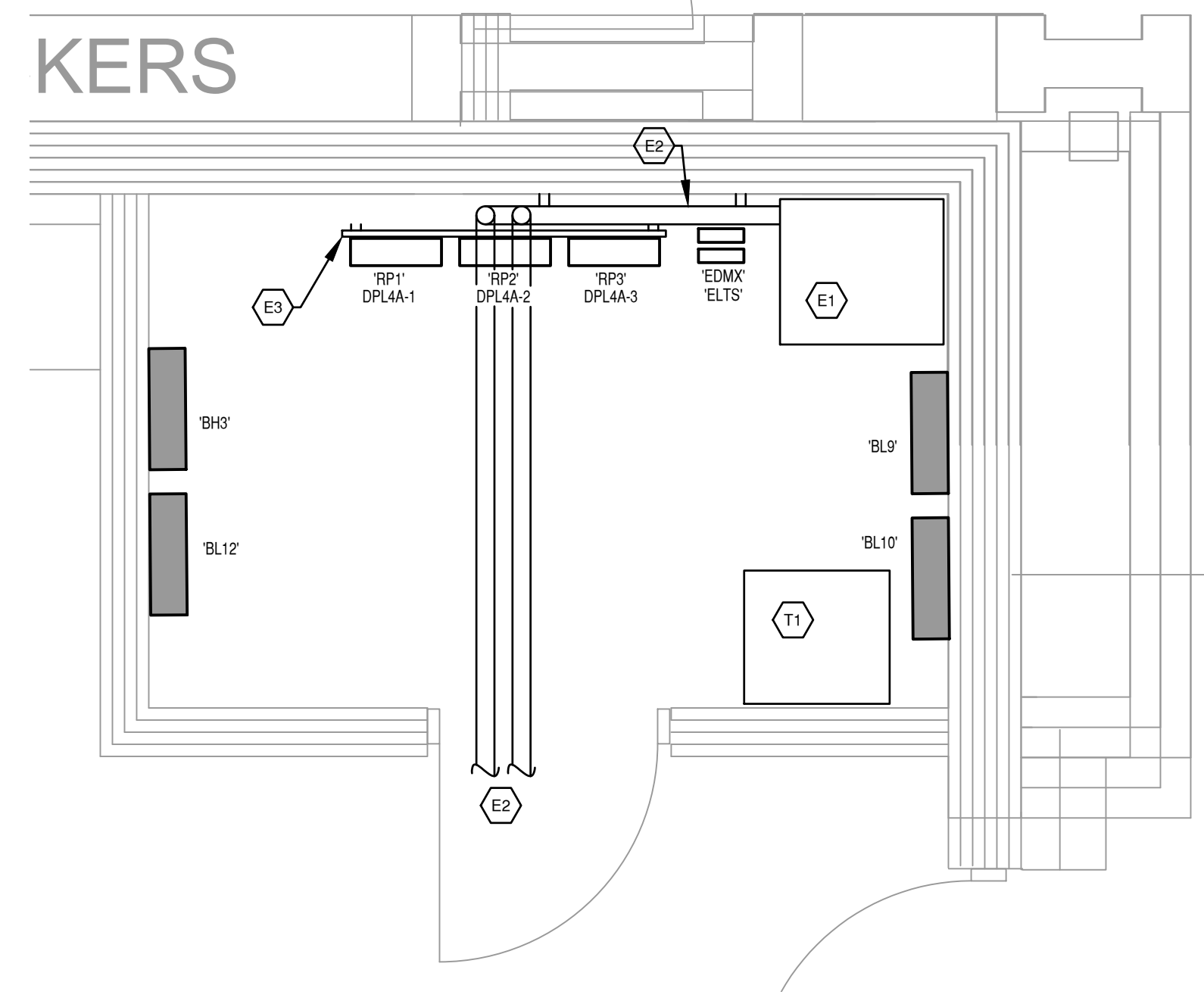
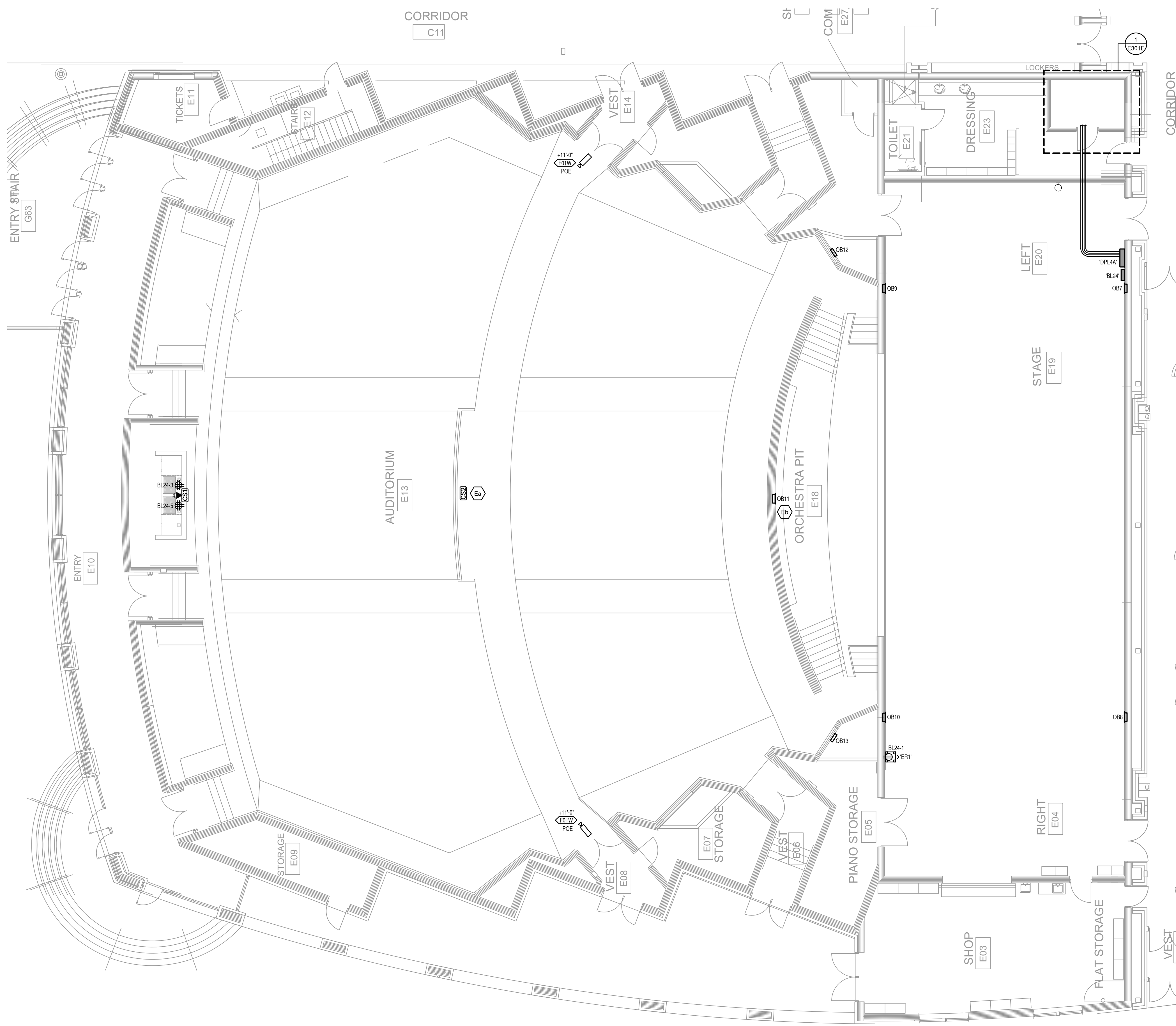
LIGHTING PLAN
- AREA K

E201K

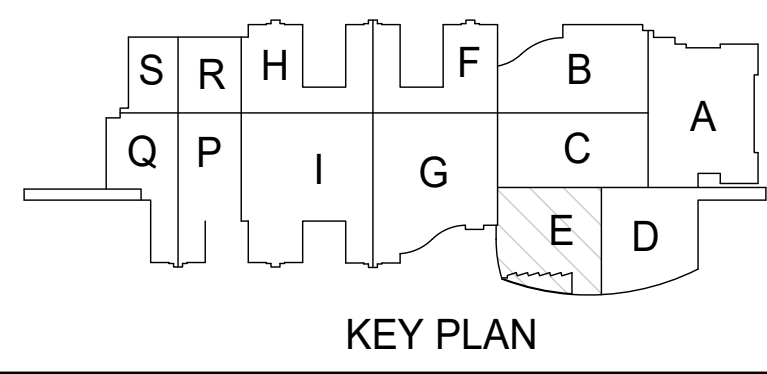
CAMERA SURVEILLANCE TYPE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	CATALOGUE NO.	NOTES
F01W	DUAL SENSOR 3MP MULTI-DIRECTIONAL CAMERAS WITH WALL MOUNT AND PENDENT KITS	AXIS	3707-PLVE-174402 PENDENT AND TR1E61 WALL MOUNT	

SHEET KEYNOTES	
E1	EXISTING DIMMER RACK PULL BOX. PROVIDE NEW CONDUITS TO DISTRIBUTION PANEL 'DP-L4A'. SEE ONE-LINE DIAGRAM SHEET E401 FOR ADDITIONAL REQUIREMENTS.
E2	NEW CONDUITS FROM PULL BOX TO NEW DISTRIBUTION PANEL 'DP-L4A'. RACK ON WALL WITH UNISTRUT SUPPORTS.
E3	PROVIDE NEW FLOOR MOUNTED UNISTRUT RACK TO SUPPORT NEW RELAY PANELS. PLACE FROM WALL TO ALLOW CONDUIT RUNS.
T1	EXISTING DATA RACK. PROVIDE NEW PATCH PANEL FOR TERMINATION OF NEW DATA CABLES.
E4	EXISTING RECEPTACLE INSERT TO BE REPLACED WITH NEW. CONTRACTOR TO COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH THE MANUFACTURER.
E5	EXISTING FLUSH RECEPTACLES TO BE REPLACED WITH NEW RECEPTACLE. CONTRACTOR COORDINATE SIZE AND INSTALLATION REQUIREMENTS WITH THE MANUFACTURER.

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POWER PLAN - AREA E
 1/8" = 1'-0"



JORDAN HIGH SCHOOL AUDITORIUM REMODEL
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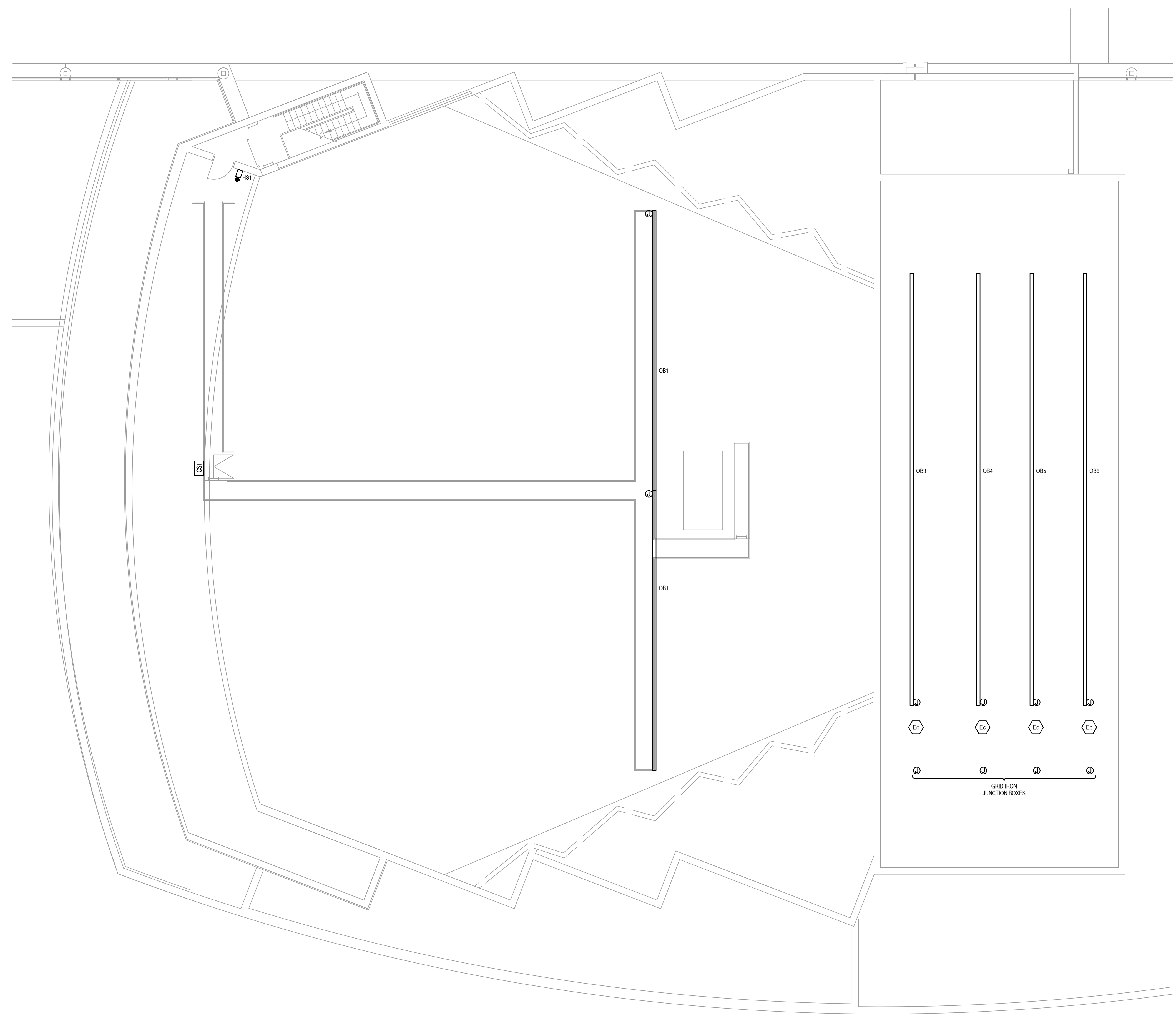
POWER PLAN - AREA E

E301E

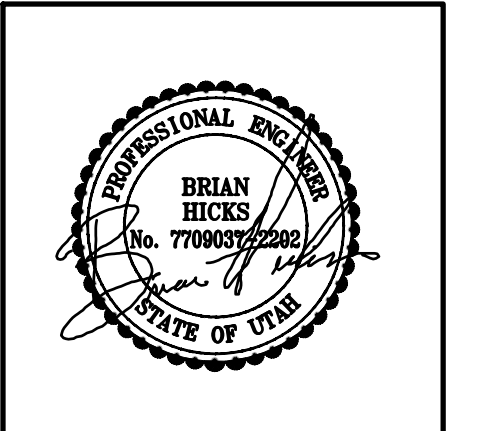
SHEET KEYNOTES

Ec PROVIDE NEW MULTICABLES FROM GRID IRON JUNCTION BOXES TO ELECTRICS. ANY CATEGORY CABLES THAT ARE RAN ARE TO BE SECURED TO THE MULTICABLES WITH VELCRO TIES SO THAT THEY DO NOT GET TANGLES UPT TOGETHER.

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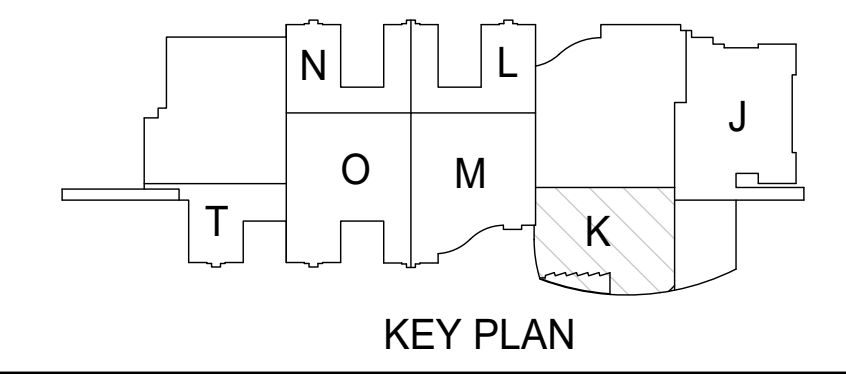


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**POWER PLAN
 - AREA K**

POWER PLAN - AREA K
 1/8" = 1'-0"



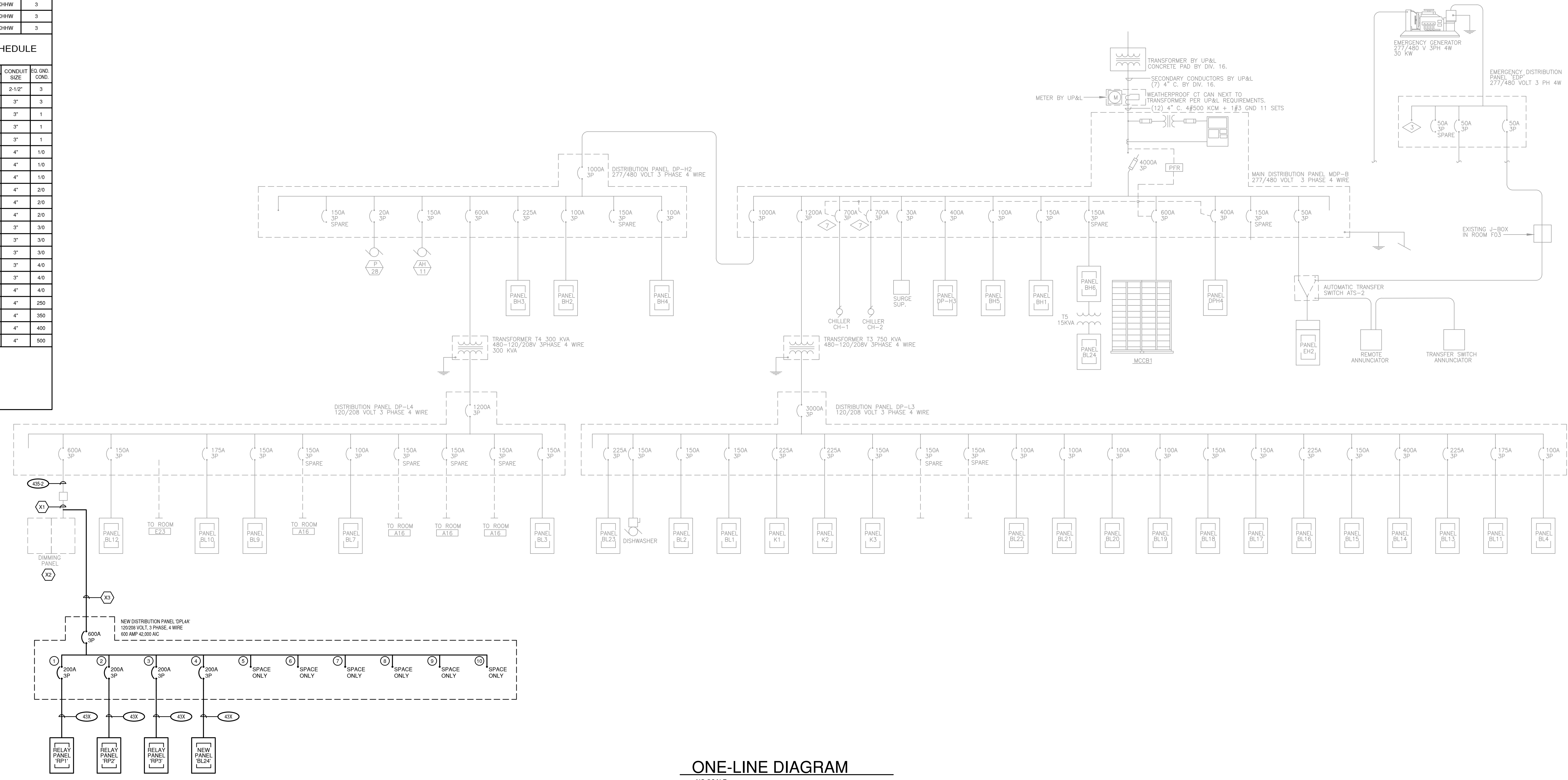
E301K

COPPER CONDUCTOR & CONDUIT SCHEDULE						
TYPE	AMP.	COND. SIZE	CONDUCTOR		INSULATION	ED. GND. COND.
			QUAN.	SIZE		
20	30	3/4"	2	10	THHN	10
30	30	3/4"	3	10	THHN	10
40	30	3/4"	4	10	THHN	10
28	40	1"	2	8	THHN	10
38	40	1"	3	8	THHN	10
48	40	1"	4	8	THHN	10
26	55	1"	2	6	THHN	8
36	55	1"	3	6	THHN	8
46	55	1"	4	6	THHN	8
24	70	1"	2	4	THHN	8
34	70	1-1/4"	3	4	THHN	8
44	70	1-1/4"	4	4	THHN	8
23	85	1-1/4"	2	3	THHN	8
33	85	1-1/4"	3	3	THHN	8
43	85	1-1/2"	4	3	THHN	8
32	95	1-1/2"	3	2	THHN	6
42	95	1-1/2"	4	2	THHN	6
31	110	1-1/2"	3	1	THHN	6
41	110	2"	4	1	THHN	6
51	88	2"	5*	1	THHN	6
31X	150	2"	3	1/0	THHN	6
41X	150	2"	4	1/0	THHN	6
51X	120	2"	5*	1/0	THHN	6
32X	175	2"	3	2/0	THHN	6
42X	175	2"	4	2/0	THHN	6
52X	140	2"	5*	2/0	THHN	6
33X	200	2"	3	3/0	THHN	6
43X	200	2"	4	3/0	THHN	6
53X	160	2-1/2"	5*	3/0	THHN	6
34X	230	2-1/2"	3	4/0	THHN	4
44X	230	2-1/2"	4	4/0	THHN	4
54X	184	2-1/2"	5*	4/0	THHN	4
325	255	3"	3	250	THHN	4
425	255	3"	4	250	THHN	4
525	204	3"	5*	280	THHN	4
335	310	3"	3	350	THHN	3
435	310	3"	4	350	THHN	3
535	248	3"	5*	350	THHN	3
350	380	4"	3	500	XHHW	3
450	380	4"	4	500	XHHW	3
550	304	4"	5*	500	XHHW	3

- SHEET KEYNOTES**
- X1 PULL FEEDER BACK TO DIMMER RACK PULL BOX.
 - X2 EXISTING DIMMER RACK TO BE REMOVED.
 - X3 EXTEND EXISTING FEEDER FROM DIMMER RACK PULL BOX TO NEW DISTRIBUTION PANEL 'DPLA4'. PROVIDE MECHANICAL BUTT SPLICES.

COPPER CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS							
TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR		ED. GND. COND.	
				QUAN.	SIZE		
44X-2	400	450	2	4	4/0	2-1/2"	3
44X-2	400	368	2	5*	4/0	3"	3
452-2	600	620	2	3	350	3"	1
452-2	600	620	2	4	350	3"	1
452-2	600	608	2	5*	500	3"	1
452-2	800	760	2	3	500	4"	1/0
452-2	800	760	2	4	500	4"	1/0
452-2	800	744	3	5*	350	4"	1/0
452-3	1000	1140	3	3	500	4"	2/0
452-3	1000	1140	3	4	500	4"	2/0
452-4	1000	1216	4	5*	500	4"	2/0
452-4	1200	1240	4	3	350	3"	3/0
452-4	1200	1240	4	4	350	3"	3/0
452-4	1200	1216	4	5*	350	3"	3/0
452-5	1600	1675	5	3	400	3"	4/0
452-5	1600	1675	5	4	400	3"	4/0
452-6	1600	1675	6	5*	400	4"	4/0
452-6	2000	2010	6	4	400	4"	250
452-7	2500	2665	7	4	500	4"	350
452-8	3000	3040	8	4	500	4"	400
452-11	4000	4180	11	4	500	4"	500

NOTES:
 IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.
 GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS
 * 200% NEUTRAL, DERATED TO 80% BASED ON NEC 310.15(B)(5)(C)



ONE-LINE DIAGRAM
NO SCALE



ADDENDUM/CLARIFICATION/REVISION		
MARK	DATE	DESCRIPTION

DATE: APRIL 2024
 PROJECT NO: 24018
 DRAWN BY: BNA
 CHK'D BY: RLW

ONE-LINE DIAGRAM

PANELBOARD SCHEDULE

PANEL	DPL4A	TYPE	LINE	120/208	VOLTS	3	PH	X	LUGS
MOUNTING	FLUSH	DIMENSIONS	LOCATION	STAGE E19		4	W	X	BREAKER
	X SURFACE	36 W 10 D (in) H			600				SURFIED LUGS
									ISO GROUND
									200% NEUTRAL
									SPD

BRANCH BREAKERS												
ITEM	AMPS	POLE	WIRE NO.	LEFT PHASE LOAD			RIGHT PHASE LOAD			CIR. NO.	WIRE NO.	ITEM
				A	B	C	A	B	C			
RELAY PANEL RP1	200	3	43X 1						2	200	3	43X
RELAY PANEL RP3	200	3	43X 7				8400	8000	8	200	3	43X
SPARE ONLY			11						14			SPARE ONLY
SPARE ONLY			13						14			SPARE ONLY
SPARE ONLY			15						16			SPARE ONLY
SPARE ONLY			17						18			SPARE ONLY
SPARE ONLY			19						20			SPARE ONLY
SPARE ONLY			21						22			SPARE ONLY
SPARE ONLY			23						24			SPARE ONLY
SPARE ONLY			25						26			SPARE ONLY
SPARE ONLY			27						28			SPARE ONLY
SPARE ONLY			29						30			SPARE ONLY

0	0	0	8400	8000	5600	CONNECTED LOAD TOTAL	
70	67	47	TOTAL (VA)			22000 VA	
			AMPS/PHASE			EQUIP RATING 42,000 AMPS RMS SYM.	

PROJECT:

PANELBOARD SCHEDULE

PANEL	BL24	TYPE	N0	120/208	VOLTS	3	PH	X	LUGS
MOUNTING	FLUSH	DIMENSIONS	LOCATION	STAGE E19		4	W	X	BREAKER
	X SURFACE	20 W 6 D (in) H			225				SURFIED LUGS
									ISO GROUND
									200% NEUTRAL
									SPD

BRANCH BREAKERS												
ITEM	AMPS	POLE	WIRE NO.	LEFT PHASE LOAD			RIGHT PHASE LOAD			CIR. NO.	WIRE NO.	ITEM
				A	B	C	A	B	C			
RECEPTACLE RACK R6	20	1	10	1200			2400		2	30	1	8
RECEPTACLE SOUND BOX	20	1	6	800			2400		4	30	1	8
RECEPTACLE SOUND BOX	20	1	6	800			2400		6	30	1	8
SPARE	20	1	7				2400		8	30	1	8
SPARE	20	1	9				2400		10	30	1	8
SPARE	20	1	11				2400		12	30	1	8
SPARE	20	1	13				2400		14	30	1	8
SPARE	20	1	15				2400		16	30	1	8
SPARE	20	1	17						18	20	1	SPARE
SPARE	20	1	19						20	20	1	SPARE
SPARE	20	1	21						22	20	1	SPARE
SPARE	20	1	23						24	20	1	SPARE
SPARE ONLY			25						26			SPARE ONLY
SPARE ONLY			27						28			SPARE ONLY
SPARE ONLY			29						30			SPARE ONLY
SPARE ONLY			31						32			SPARE ONLY
SPARE ONLY			33						34			SPARE ONLY
SPARE ONLY			35						36			SPARE ONLY
SPARE ONLY			37						38			SPARE ONLY
SPARE ONLY			39						40			SPARE ONLY
SPARE ONLY			41						42			SPARE ONLY

1200	800	800	7200	7200	4800	CONNECTED LOAD TOTAL	
8400	8000	5600	TOTAL (VA)			22000 VA	
			AMPS/PHASE			EQUIP RATING 30,000 AMPS RMS SYM.	

* Provide 5 mA GFCI Circuit Break

PROJECT:

**JORDAN HIGH SCHOOL
 AUDITORIUM REMODEL**
 SANDY, UTAH

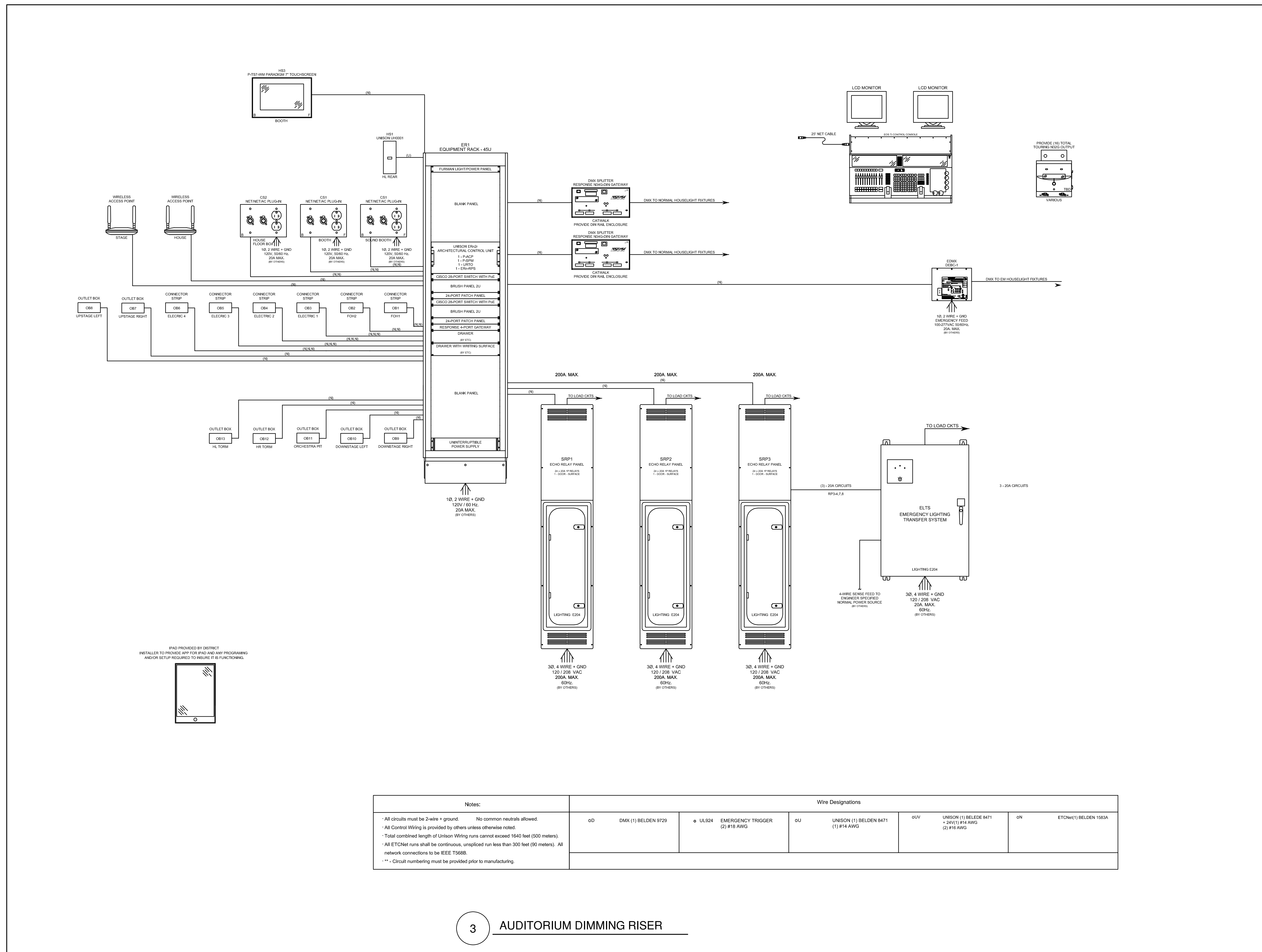


ADDENDUM/CLARIFICATION/REVISION		
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DATE: APRIL 2024
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 DRAWN BY: BNA
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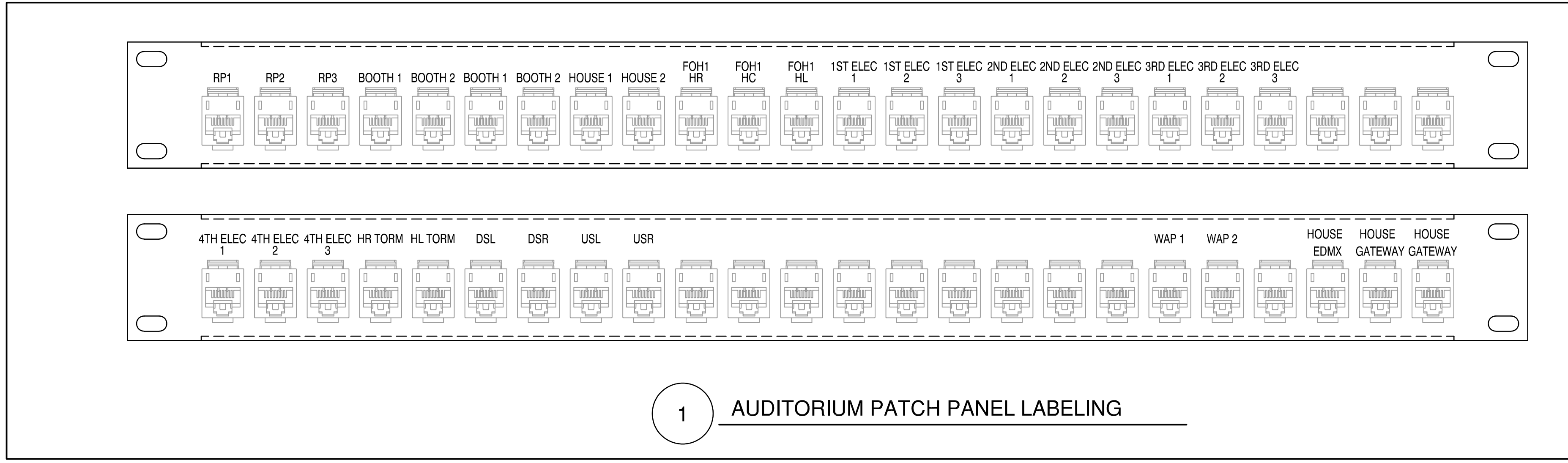
PANELBOARD SCHEDULES

E501



Notes:	Wire Designations										
<ul style="list-style-type: none"> All circuits must be 2-wire + ground. No common neutrals allowed. All Control Wiring is provided by others unless otherwise noted. Total combined length of Unison Wiring runs cannot exceed 1540 feet (500 meters). All ETCNet runs shall be continuous, unspliced run less than 300 feet (90 meters). All network connections to be IEEE T568B. *** - Circuit numbering must be provided prior to manufacturing. 	<table border="1"> <tr> <td>CD</td> <td>DMX (1) BELDEN 9729</td> <td>UL924</td> <td>EMERGENCY TRIGGER (2) #16 AWG</td> <td>DU</td> <td>UNISON (1) BELDEN 8471 (1) #14 AWG</td> <td>DUV</td> <td>UNISON (1) BELDEN 8471 + 24V(1) #14 AWG (2) #16 AWG</td> <td>DN</td> <td>ETCNet(1) BELDEN 1085A</td> </tr> </table>	CD	DMX (1) BELDEN 9729	UL924	EMERGENCY TRIGGER (2) #16 AWG	DU	UNISON (1) BELDEN 8471 (1) #14 AWG	DUV	UNISON (1) BELDEN 8471 + 24V(1) #14 AWG (2) #16 AWG	DN	ETCNet(1) BELDEN 1085A
CD	DMX (1) BELDEN 9729	UL924	EMERGENCY TRIGGER (2) #16 AWG	DU	UNISON (1) BELDEN 8471 (1) #14 AWG	DUV	UNISON (1) BELDEN 8471 + 24V(1) #14 AWG (2) #16 AWG	DN	ETCNet(1) BELDEN 1085A		

3 AUDITORIUM DIMMING RISER



1 AUDITORIUM PATCH PANEL LABELING

JORDAN HIGH SCHOOL
AUDITORIUM REMODEL
SANDY, UTAH



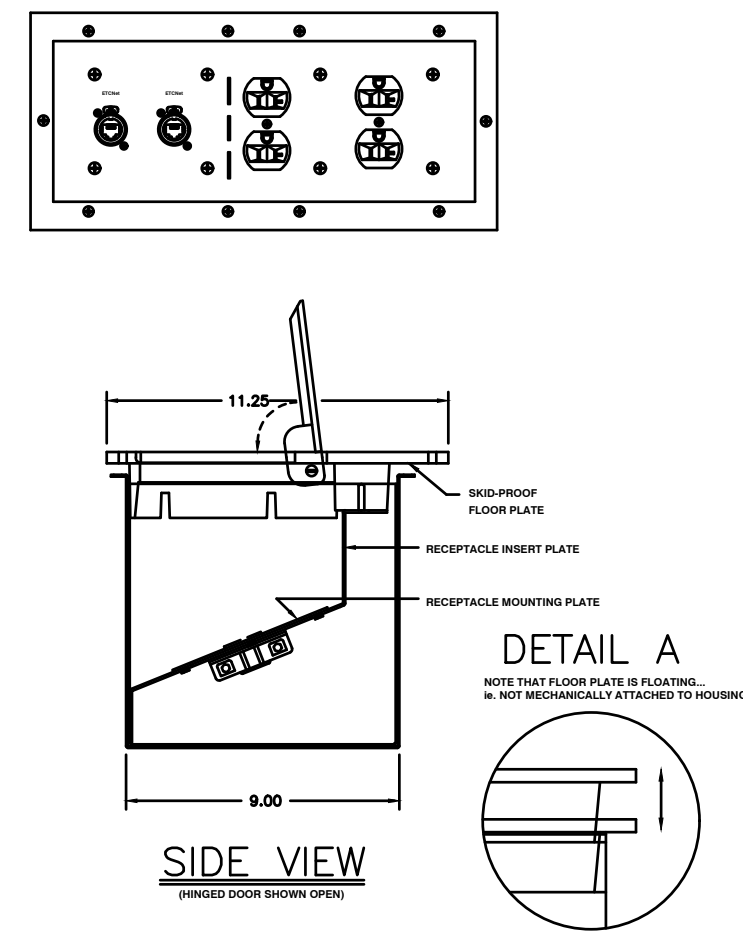
ADDENDUM/CLARIFICATION/REVISION		
MARK	DATE	DESCRIPTION

DATE: APRIL 2024
PROJECT NO: 24018
DRAWN BY: BNA
CHK'D BY: RLW

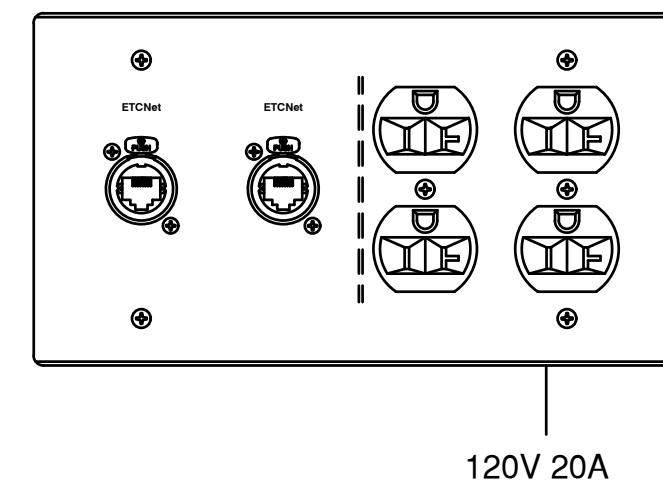
ELECTRICAL DIAGRAMS

E601

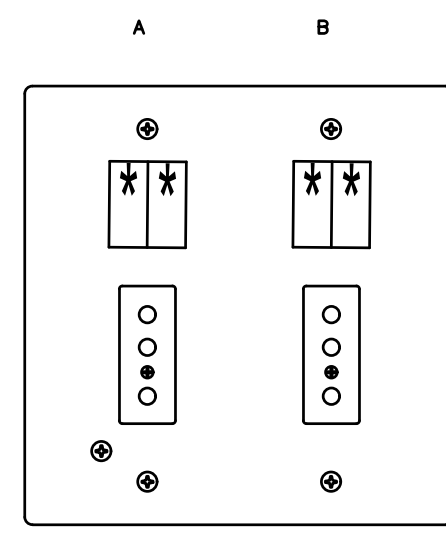
RECEPTACLE MOUNTING PLATE



1 CONTROL STATION 'CS2'
NTS

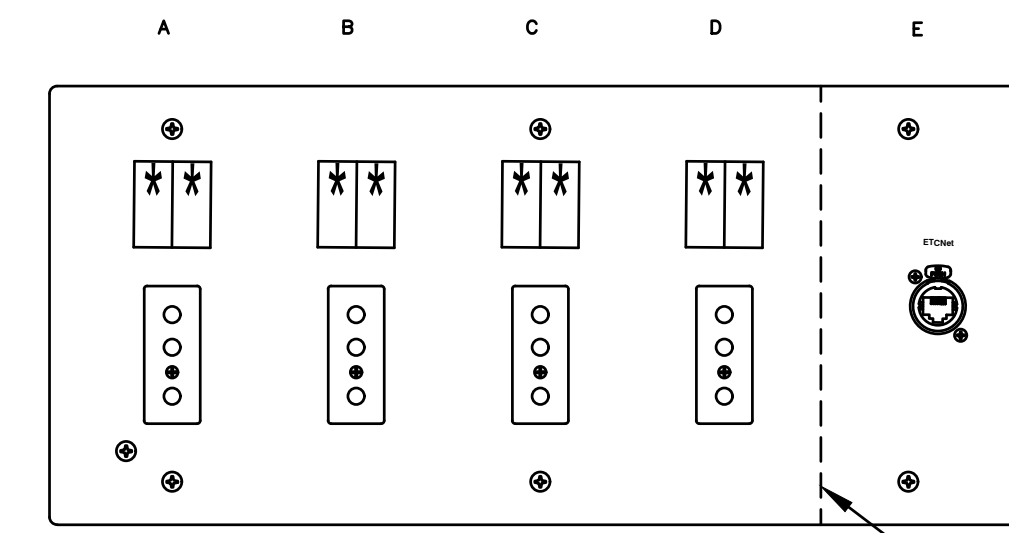


2 CONTROL STATION 'CS1'
NTS



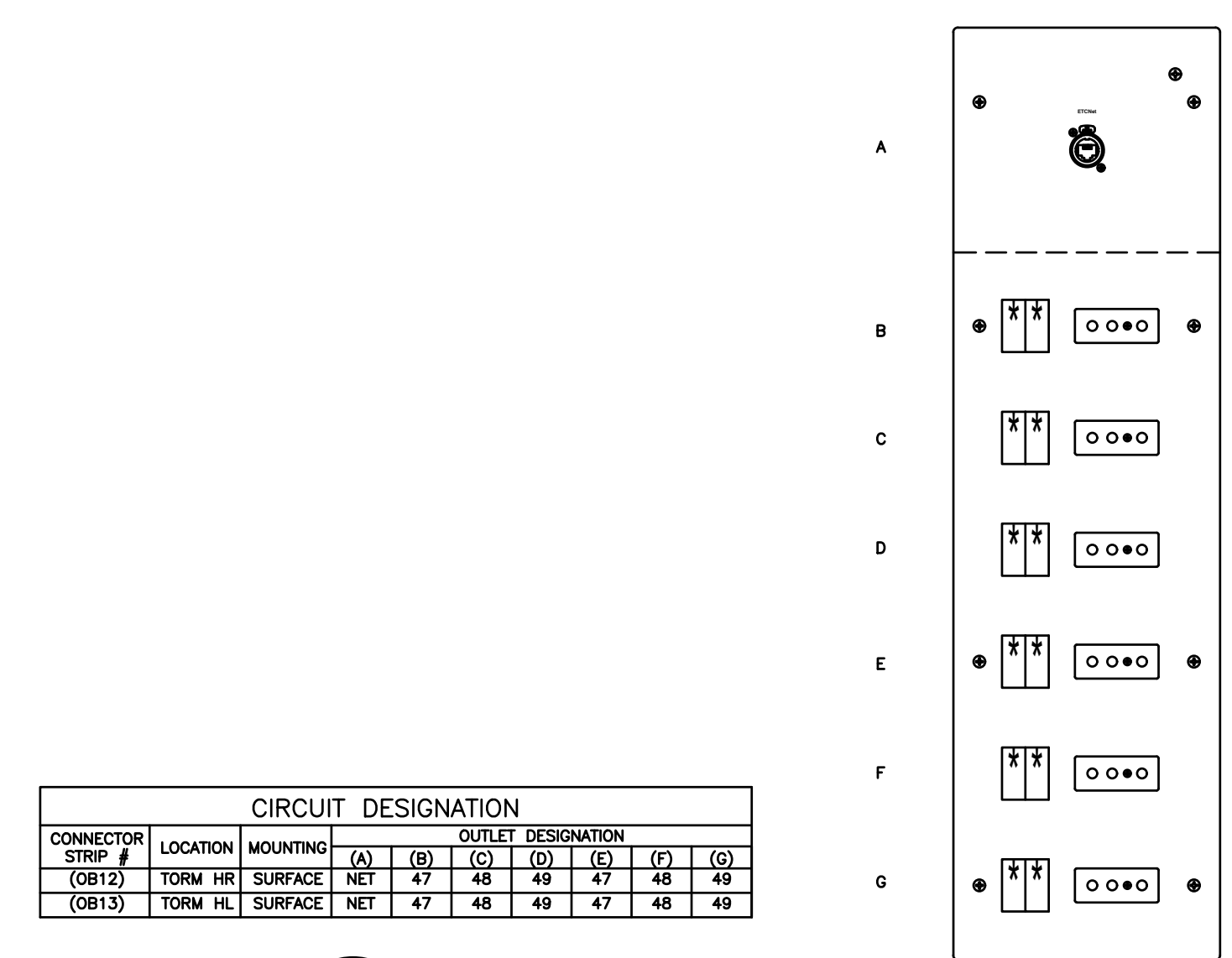
CIRCUIT DESIGNATION			
CONNECTOR STRIP #	LOCATION	MOUNTING	OUTLET DESIGNATION
(OB7)	ORCHESTRA PIT	FLUSH	(A) (B)
			45 46

3 OUTLET BOX 'C'
NTS



CIRCUIT DESIGNATION			
CONNECTOR STRIP #	LOCATION	MOUNTING	OUTLET DESIGNATION
(OB7)	UPSTAGE RIGHT	FLUSH	(A) (B) (C) (D) (E)
(OB8)	UPSTAGE LEFT	FLUSH	43 44 43 44 NET
(OB9)	DOWNSTAGE RIGHT	FLUSH	45 46 45 46 NET
(OB10)	DOWNSTAGE LEFT	FLUSH	45 46 45 46 NET

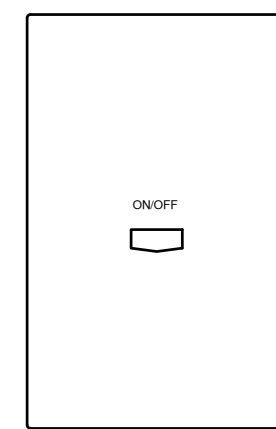
4 OUTLET BOX 'B'
NTS



CIRCUIT DESIGNATION			
CONNECTOR STRIP #	LOCATION	MOUNTING	OUTLET DESIGNATION
(OB12)	TORM HL SURFACE	NET	(A) (B) (C) (D) (E) (F) (G)
(OB13)	TORM HL SURFACE	NET	47 48 49 47 48 49

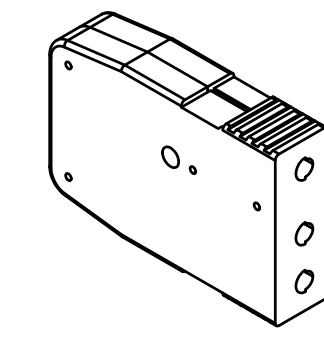
5 OUTLET BOX 'A'
NTS

NOTES:
1.) USE LABELING AS INDICATED ON DIAGRAM

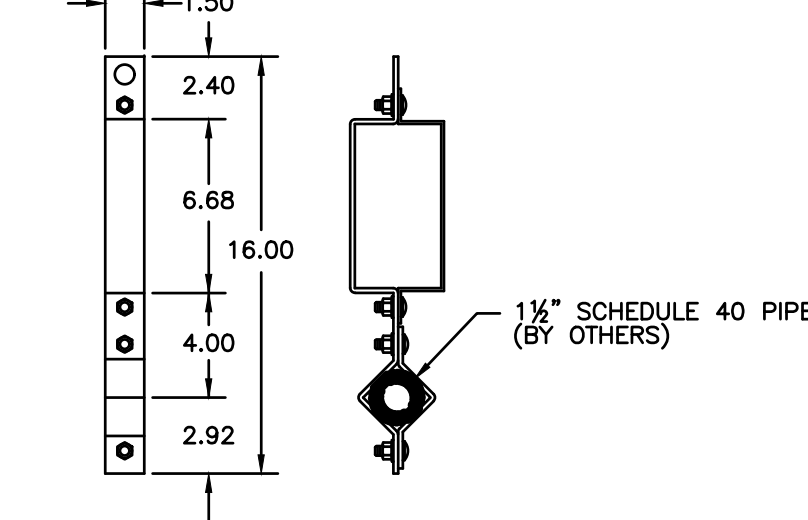


6 CONTROL STATION 'HS1'
NTS

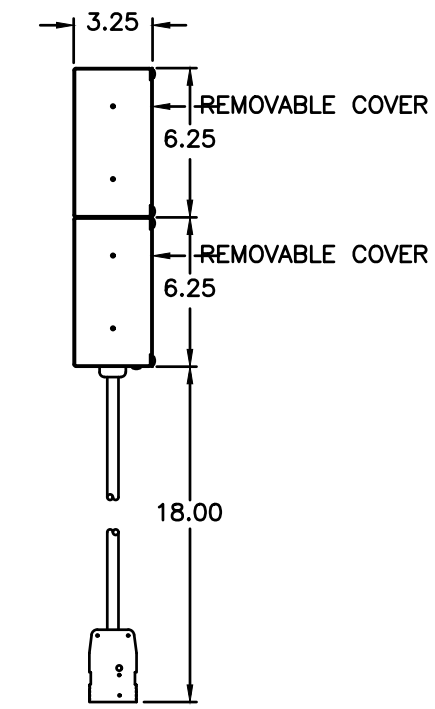
GROUNDING PIN CONNECTOR (GPC)



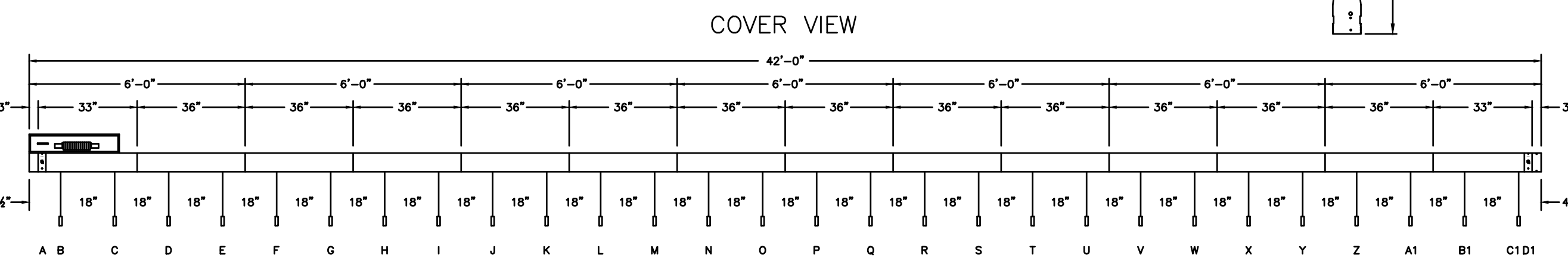
HANGER BRACKET



LEFT SIDE VIEW



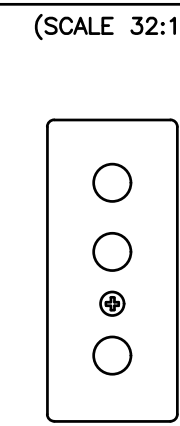
NOTES:
1.) CONNECTOR STRIP TROUGH AND COVER ARE 18 GA. STEEL. END CAPS ARE 14 GA. STEEL. ALL ARE FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2.) HANGER BRACKETS ARE 7 GA. STEEL FINISHED IN A BLACK FINE-TEXTURED POWDER COAT. INDICATED QUANTITY OF BRACKETS SHALL BE PLACED NO GREATER THAN 5'-0" APART ALONG THE LENGTH OF THE CONNECTOR STRIP.
3.) CIRCUITS ARE DESIGNATED WITH 2.00" BLACK LEXAN LABELS WITH WHITE TEXT. OUTLET BOX SHALL BE MOUNTED SO THAT THE LABELS ARE FACING THE BACK OF HOUSE.
4.) CONNECTOR STRIP IS LISTED.



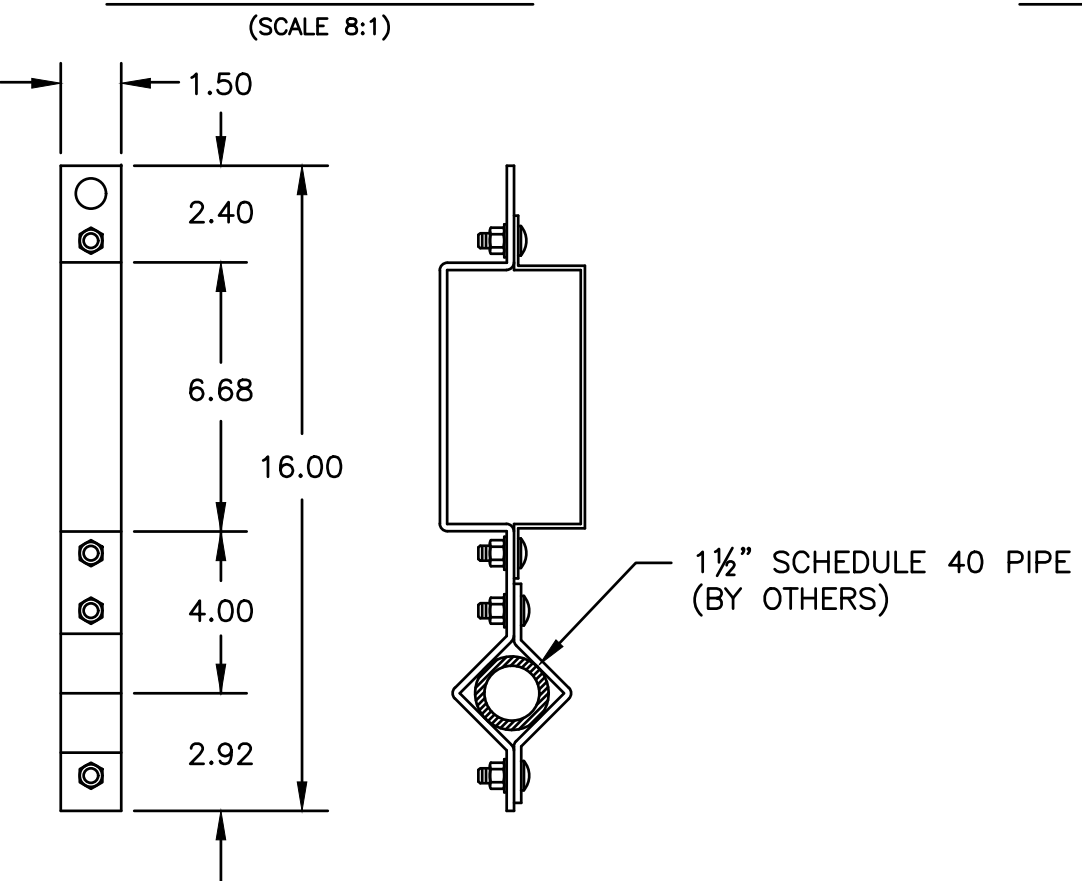
CONNECTOR STRIP #		LOCATION	OUTLET DESIGNATION																													
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	(C1)	(D1)
OB1	F0H1	NET	7	8	5	4	3	2	1	7	6	5	4	3	2	1	7	6	5	4	3	2	1	7	6	5	4	3	2	1	NET	
OB2	F0K2	NET	14	13	12	11	10	9	8	14	13	12	11	10	9	8	14	13	12	11	10	9	8	14	13	12	11	10	9	8	NET	

7 CONNECTOR STRIP 'A'

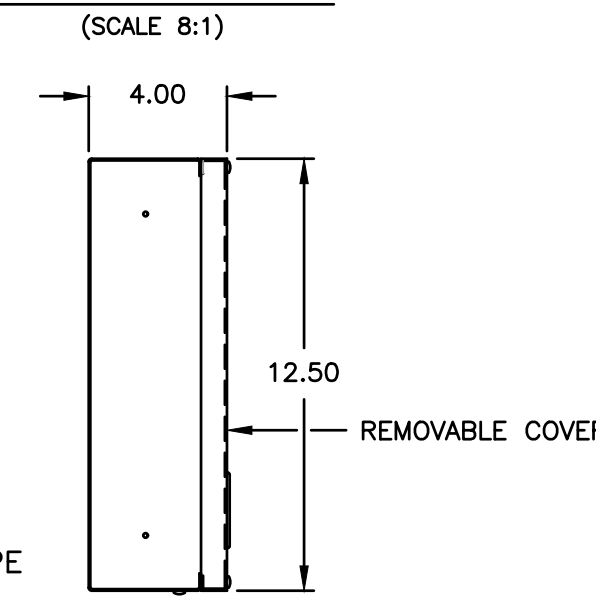
GROUNDING PIN CONNECTOR (GPC)



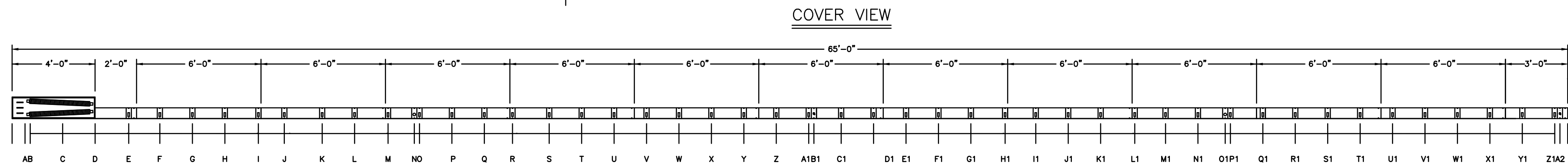
HANGER BRACKET



LEFT SIDE VIEW

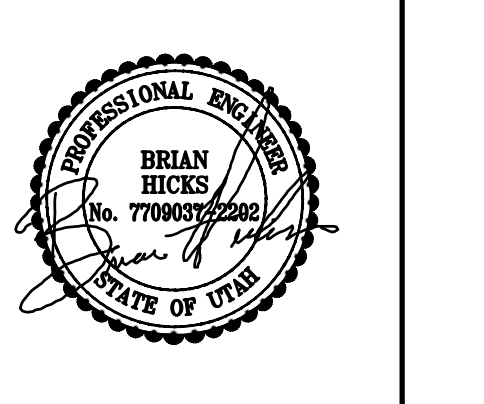


NOTES:
1.) CONNECTOR STRIP TROUGH AND COVER ARE 18 GA. STEEL. END CAPS ARE 14 GA. STEEL. ALL ARE FINISHED IN A BLACK FINE-TEXTURED POWDER COAT.
2.) HANGER BRACKETS ARE 7 GA. STEEL FINISHED IN A BLACK FINE-TEXTURED POWDER COAT. INDICATED QUANTITY OF BRACKETS SHALL BE PLACED NO GREATER THAN 5'-0" APART ALONG THE LENGTH OF THE CONNECTOR STRIP.
3.) CIRCUITS ARE DESIGNATED WITH 2.00" BLACK LEXAN LABELS WITH WHITE TEXT. OUTLET BOX SHALL BE MOUNTED SO THAT THE LABELS ARE FACING UPSTAGE.
4.) CONNECTOR STRIP IS LISTED.



CONNECTOR STRIP #		LOCATION	OUTLET DESIGNATION																																																			
			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(A1)	(B1)	(C1)	(D1)	(E1)	(F1)	(G1)	(H1)	(I1)	(J1)	(K1)	(L1)	(M1)	(N1)	(O1)	(P1)	(Q1)	(R1)	(S1)	(T1)	(U1)	(V1)	(W1)	(X1)	(Y1)	(Z1)
OB3	ELECTRIC 1	NET	22	21	20	19	18	17	16	15	22	21	20	19	18	17	16	15	22	21	20	19	18	17	16	15	22	21	20	19	18	17	16	15	22	21	20	19	18	17	16	15	22	21	20	19	18	17	16	15	NET			
OB4	ELECTRIC 2	NET	30	29	28	27	26	25	24	30	29	28	27	26	25	24	30	29	28	27	26	25	24	30	29	28	27	26	25	24	30	29	28	27	26	25	24	30	29	28	27	26	25	24	30	29	28	27	26	25	24	NET		
OB5	ELECTRIC 3	NET	38	37	36	35	34	33	32	31	38	37	36	35	34	33	32	31	38	37	36	35	34	33	32	31	38	37	36	35	34	33	32	31	38	37	36	35	34	33	32	31	38	37	36	35	34	33	32	31	NET			
OB6	ELECTRIC 4	NET	46	45	44	43	42	41	40	39	46	45	44	43	42	41	40	39	46	45	44	43	42	41	40	39	46	45	44	43	42	41	40	39	46	45	44	43	42	41	40	39	46	45	44	43	42	41	40	39	NET			

8 CONNECTOR STRIP 'B'



ADDENDUM/CLARIFICATION/REVISION		
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DATE: APRIL 2024
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CHK'D BY: RLW

ELECTRICAL DIAGRAMS

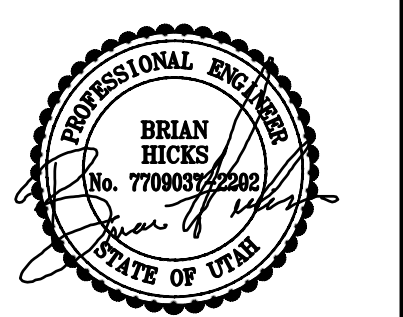


Table with 3 columns: MARK, DATE, DESCRIPTION. Used for addendum/clarification/revision tracking.

DATE: APRIL 2024 PROJECT NO: 24018 DRAWN BY: BNA CHK'D BY: RLW

AUDIO VISUAL SYMBOLS, SCHEDULES AND NOTES

AUDIOVISUAL SYMBOL SCHEDULE

Table listing audiovisual symbols, descriptions, and notes. Includes categories like Microphone, Transmitter, Receiver, and various control devices.

AUDIOVISUAL GENERAL NOTES

- 1. THIS SHEET SET SHOWS WORK AND MATERIALS BY DIVISION 26 AND DIVISION 27. SEE SPECIFICATIONS AND DRAWING NOTES FOR RESPONSIBILITY FOR EACH ITEM.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED PROVISIONS WITH THE PROJECT AV SYSTEMS INTEGRATOR PRIOR TO INSTALLATION OF AV SYSTEM ROUGH-IN...

AUDIOVISUAL CABLE AND CONDUIT SCHEDULE

Table listing audiovisual cable and conduit specifications, including descriptions, requirements, manufacturers, and model numbers.

AUDIOVISUAL SHEET INDEX

Table listing audiovisual sheets, including symbols, schedules, and diagrams.

CABLING GROUPS AND CONDUIT SEPARATION SCHEDULE

Table showing cabling groups and wiring types. Includes Group 1 (Fiber Optic Cable), Group 2 (0 to 100 V Signals), Group 3 (100 mV to 10 V Signals), Group 4 (10 V to 70 V Signals), and Group 5 (Control, Digital, Circuits, Data and Video).

NOTE: GROUPS LISTED ABOVE SHALL NEVER BE COMBINED WITHIN THE SAME CONDUIT

Table showing audio and video conduit separation between different groups (1-5).

NOTE: NINETY DEGREE CROSSING IN CLOSE PROXIMITY IS PERMITTED.

Table showing electrical conduit separation between different groups (1-5).

AV RESPONSIBILITY MATRIX

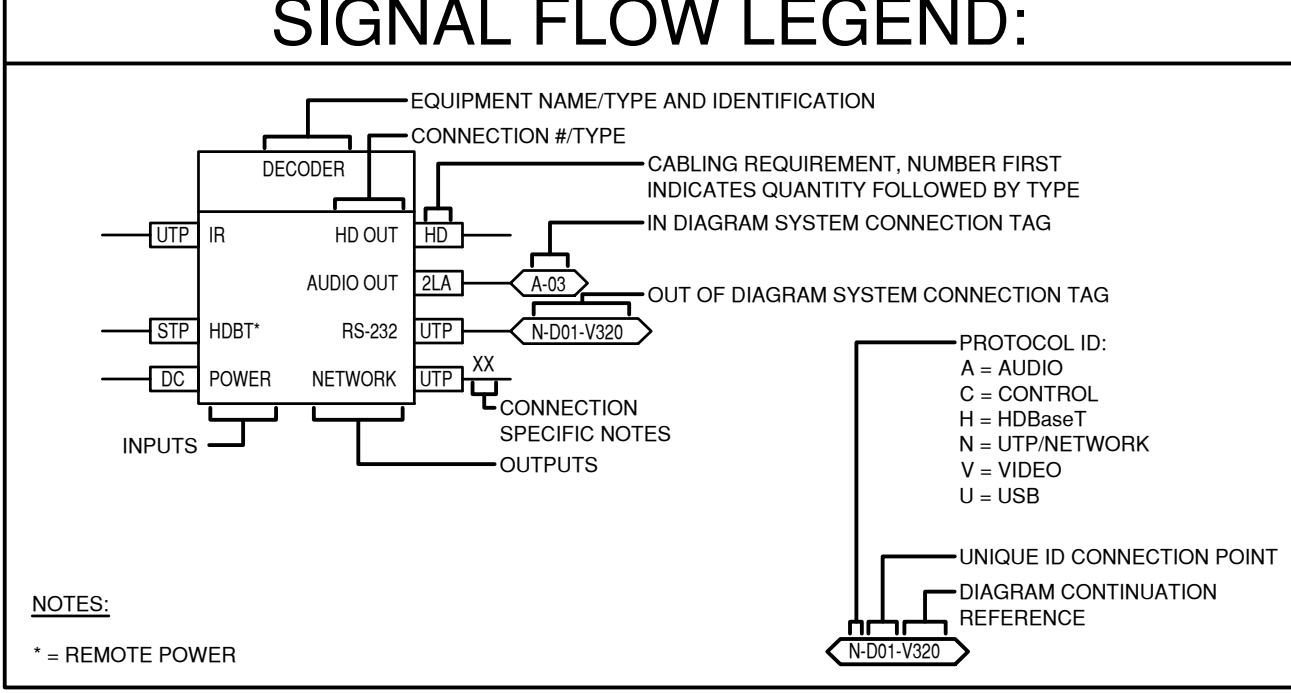
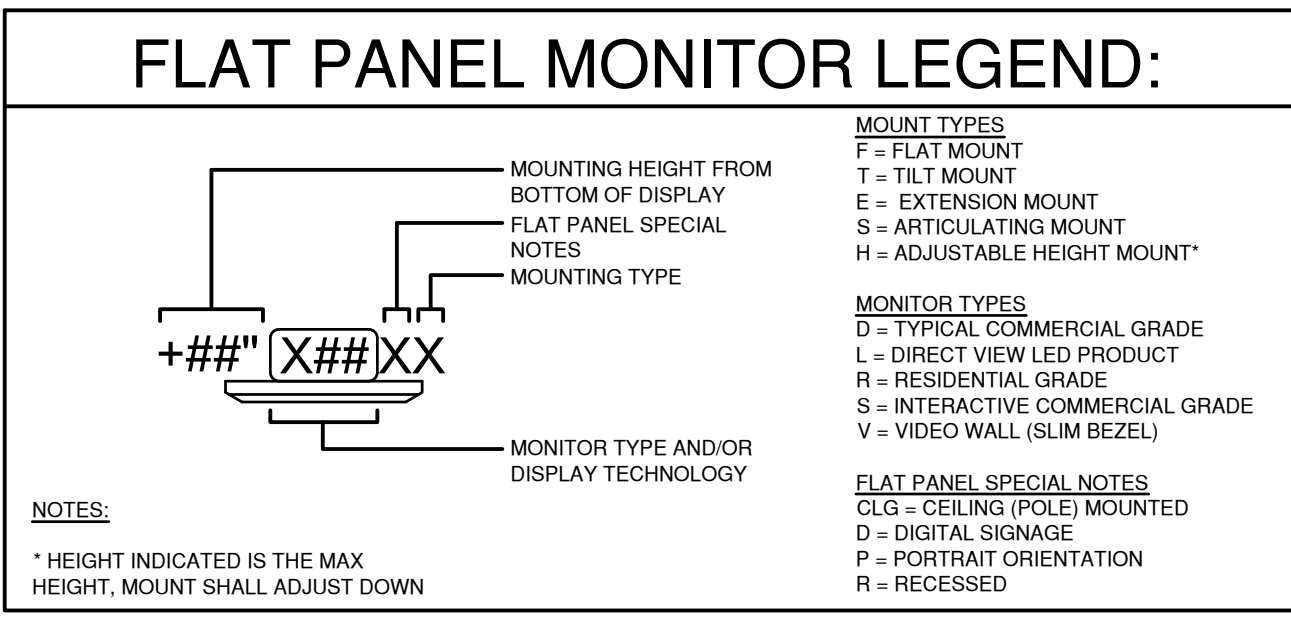
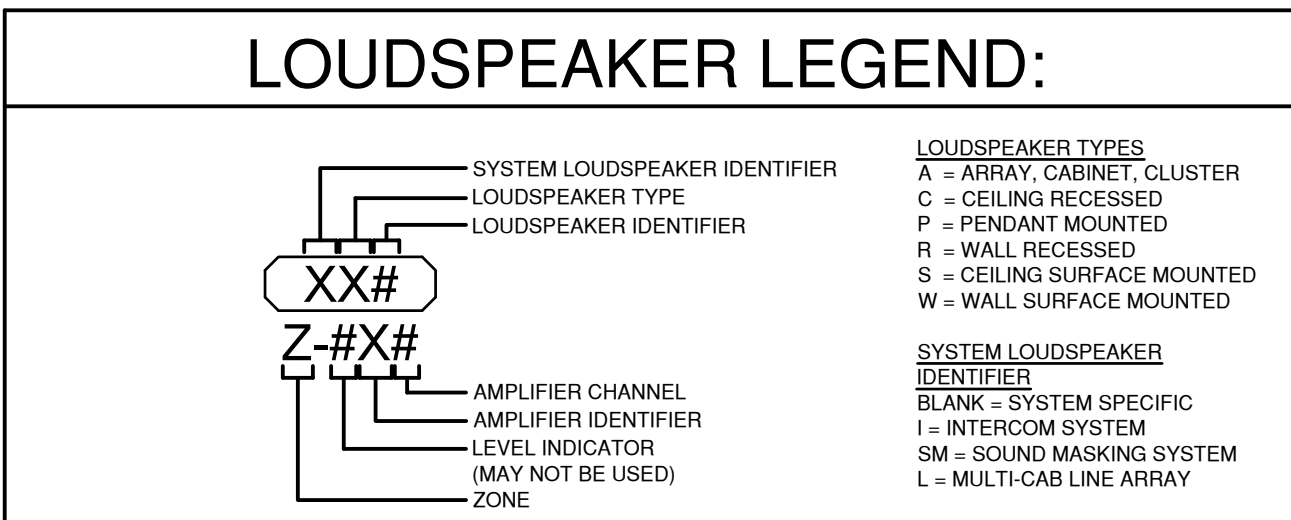
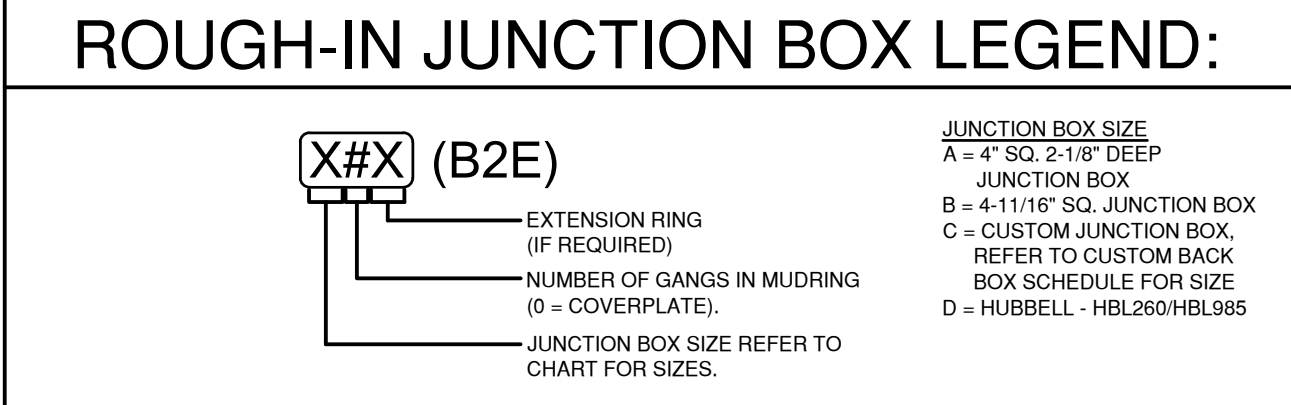
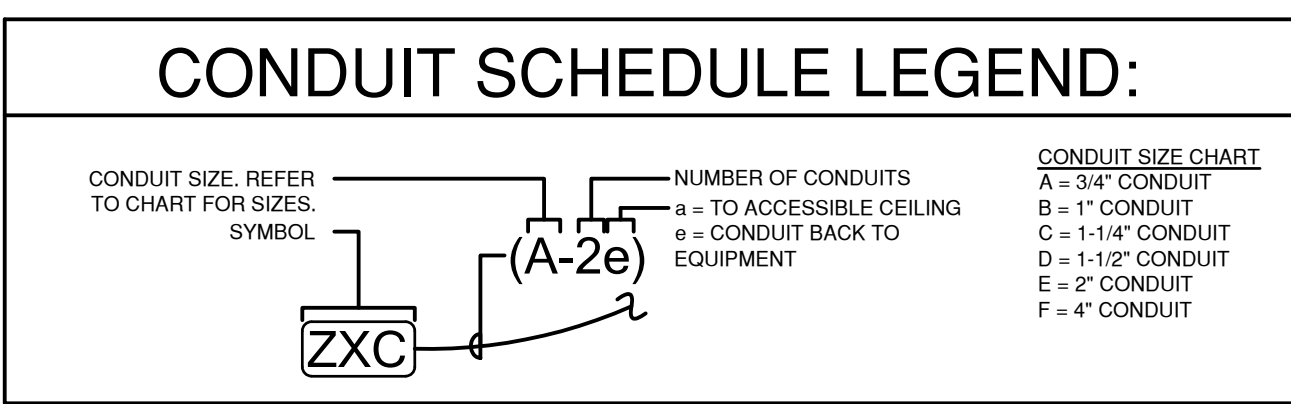
Table detailing AV responsibility matrix, including scope of work, furnished, and installed items.

NOTE: RESPONSIBILITY MATRIX DELINEATES THE SCOPE OF WORK BETWEEN THE OWNER AND THE CONTRACTORS. CONTRACTORS ARE RESPONSIBLE TO COORDINATE BETWEEN EACH OTHER FOR THE FULL SCOPE OF WORK...

Table with columns: ACRONYM, CONTRACTOR, ACRONYM, CONTRACTOR. Lists various roles like AC, AV, GC, etc.

ABBREVIATIONS INDEX

Table listing abbreviations and their descriptions, such as AFF (Above Finish Floor), ARCH (Architecture), AUX (Auxiliary), etc.

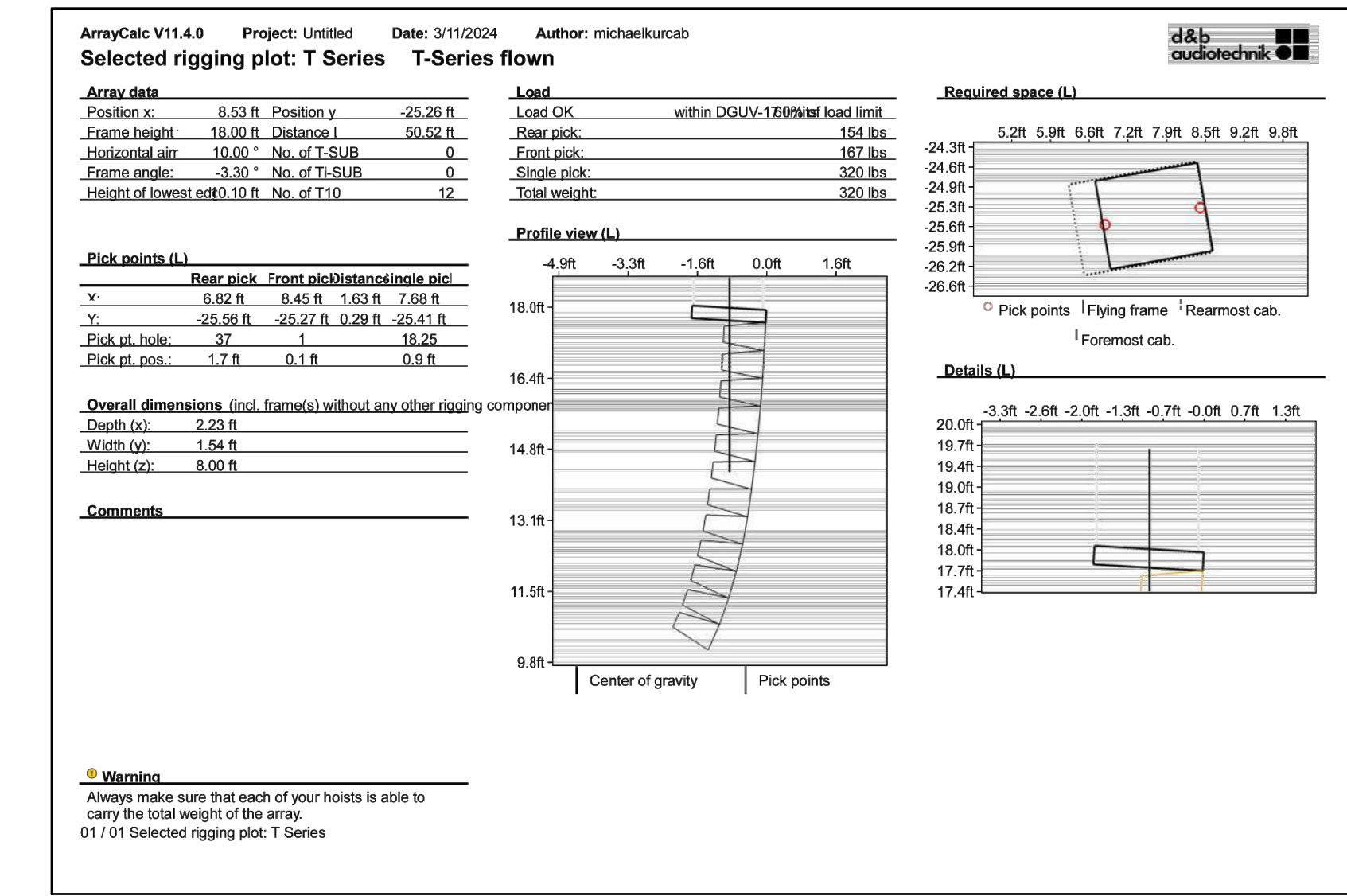


PROJECTOR SCREEN SCHEDULE															
TYPE	IMAGE SIZE (in) IN INCHES			BLACK DROP LENGTH	CASE DIMENSIONS (in) IN INCHES			WEIGHT	OPERATION	PROJECTION ORIENTATION	CONTROL TYPE	MOUNTING TYPE	NOTES		
	DIAGONAL	HEIGHT	WIDTH		ASPECT RATIO	BOTTOM OF IMAGE AFF	LENGTH							WIDTH	DEPTH
SC2	392	207 1/2"	332"	16:10	24"	36"	346"	13"	13"	616 LBS	MOTORIZED	FRONT	RS-232	SPECIAL	COORDINATE BLACK DROP PRIOR TO ORDERING

AV LOUDSPEAKER SCHEDULE									
TYPE	DIMENSIONS				SHAPE	WEIGHT	INSTALLATION	NOTES	
	WIDTH (H)	WIDTH (V)	DIAMETER	DEPTH					
A1	7.6"	18.5"		11.8"	TRAPEZOID	24 LBS	SUSPENDED	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE	
A4	15.3"	5"		5.9"	TRAPEZOID	8 LBS	FLOOR		
A5	18.95"	9.4"		10"	TRAPEZOID	28 LBS	SUSPENDED	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE	
S1	23.8"	27.5"		32.9"	SQUARE	141 LBS	SUSPENDED	MOUNT PENDANT SO THAT IS LEVEL WITH LIGHT FIXTURE	
G4			12"	10.2"	ROUND	11 LBS	CEILING		
W2	21"	12"		13"	TRAPEZOID	29 LBS	WALL		

AV EQUIPMENT RACK SCHEDULE									
TYPE	DIMENSIONS				RU's	JUNCTION BOX	MOUNTING TYPE	NOTES	
	HEIGHT	WIDTH	DEPTH						
R3	18"	19.25"	16"		3		CABINET		
R4	68.25"	23.4"	22"		35		WALL		
R5	22"	19.25"	20"		12		CABINET		
R6	48"	23.4"	20"		24		WALL		

AV CUSTOM BACK BOX SCHEDULE									
TYPE	MANUFACTURER	MODEL	BOX DIMENSIONS (in) IN INCHES			CONDUITS	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
			HEIGHT	WIDTH	DEPTH				
CD2	HUBBELL	HBL260	4.316"	2.18"	2.18"		RECESSED	HORIZONTAL	SOME LOCATIONS HAVE EXISTING BOXES
CD3	HUBBELL	HBL260	4.316"	2.18"	2.18"		RECESSED	HORIZONTAL	SOME LOCATIONS HAVE EXISTING BOXES
CD4	HUBBELL	HBL260	4.316"	2.18"	2.18"		RECESSED	HORIZONTAL	
CD5	HUBBELL	HBL260	4.316"	2.18"	2.18"		SURFACE	HORIZONTAL	
KP3	HUBBELL	HBL260	4.316"	2.18"	2.18"		RECESSED	HORIZONTAL	SOME LOCATIONS HAVE EXISTING BOXES
TP5	HUBBELL	HBL260	4.316"	2.18"	2.18"		RECESSED	HORIZONTAL	SOME LOCATIONS HAVE EXISTING BOXES



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4225 Lake Park Blvd Ste 275
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JORDAN HIGH SCHOOL
AUDITORIUM REMODEL
SANDY, UTAH

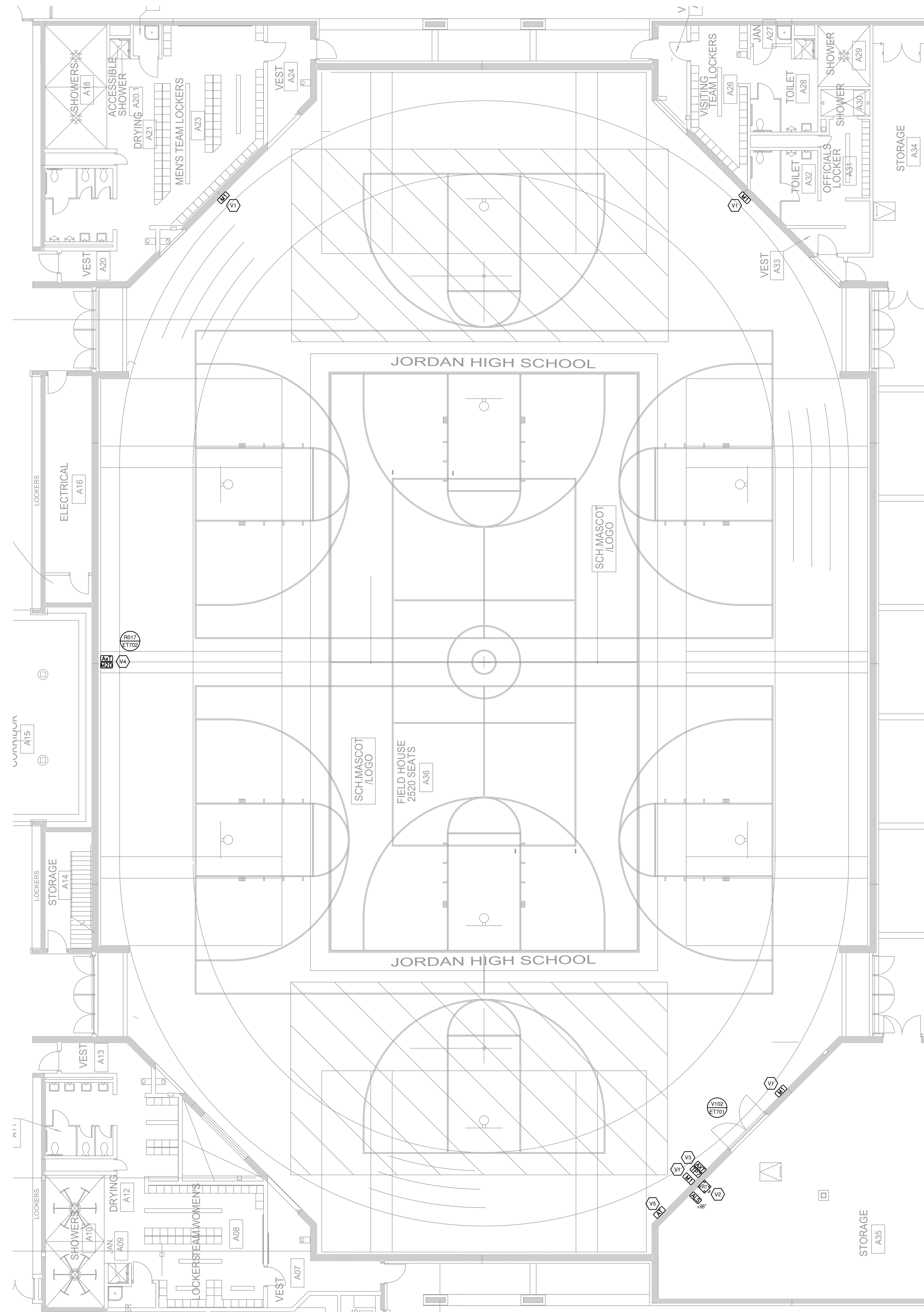


ADDENDUM / CLARIFICATION / REVISION		
MARK	DATE	DESCRIPTION

DATE: APRIL 2024
PROJECT NO: 24018
DRAWN BY: BNA
CHK'D BY: RLW

AUDIO VISUAL SCHEDULES

ET002



SHEET KEYNOTES	
V1	REPLACE EXISTING CONNECTOR AND PLATE. USE EXISTING WIRING AND CONNECT TO NEW SYSTEM.
V2	EXISTING EQUIPMENT RACK TO REMAIN. REMOVE EXISTING EQUIPMENT AND RETURN TO OWNER.
V3	INSTALL BLUETOOTH RECEIVER AND TOUCH-PANEL IN LOCKABLE PROTECTIVE COVER.
V4	PROVIDE (3) CATEGORY CABLES. (1) SHALL BE LABELED "FUTURE AV". TERMINATE SPARE CABLE AND COIL BEHIND BLEACHERS WITH ENOUGH SLACK TO BE LOCATED AT THE FRONT OF THE FIRST STEP.
V5	MOUNT ANTENNA ABOVE ACOUSTICAL TILE LEVEL.

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 AUDITORIUM REMODEL**
 SANDY, UTAH



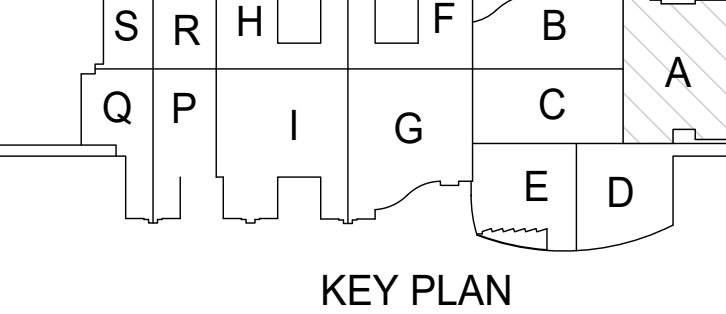
ADDENDUM / CLARIFICATION / REVISION		
MARK	DATE	DESCRIPTION

DATE: APRIL 2024
 PROJECT NO: 24018
 DRAWN BY: BNA
 CHK'D BY: RLW

**AUDIO VISUAL
 PLAN - AREA A**

ET101A

AUDIO VISUAL PLAN - AREA A
 1/8" = 1'-0"
 0 4 8 16



SHEET KEYNOTES	
V1	EXISTING EQUIPMENT RACK TO REMAIN. REMOVE EXISTING EQUIPMENT AND RETURN TO OWNER.

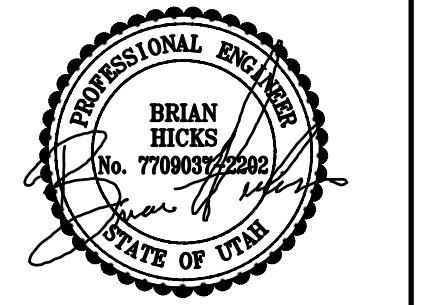
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JORDAN HIGH SCHOOL
AUDITORIUM REMODEL

SANDY, UTAH

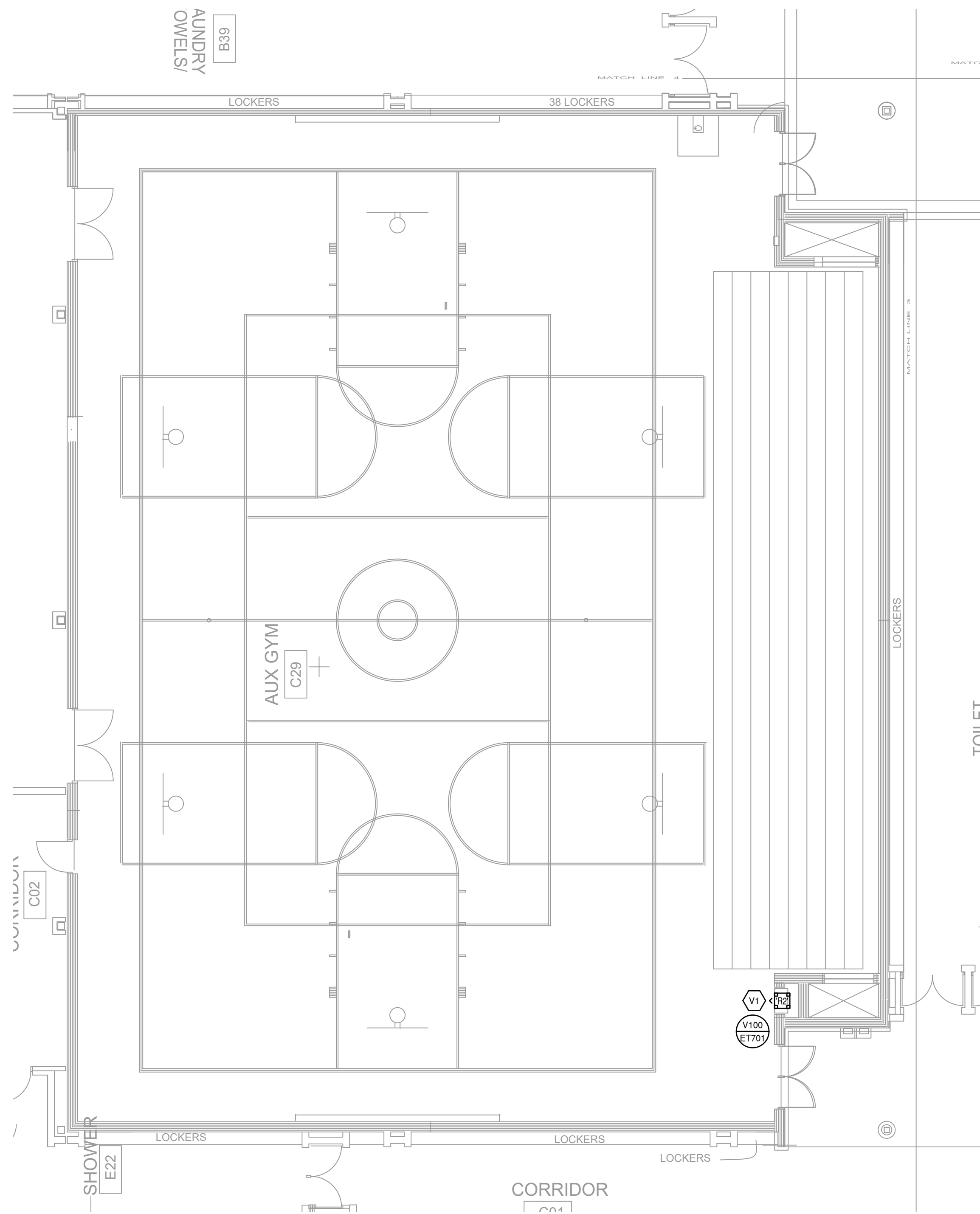


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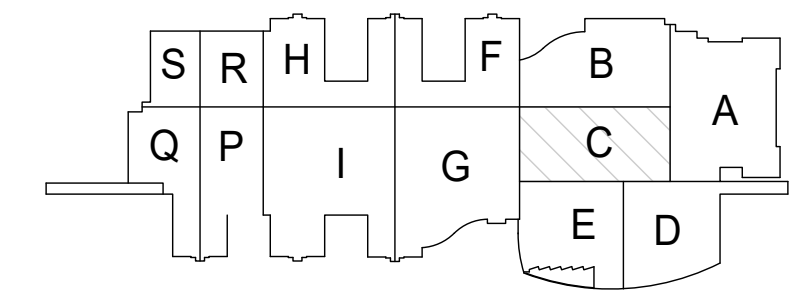
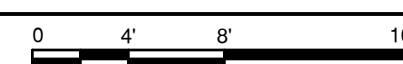
AUDIO VISUAL
PLAN - AREA C

ET101C



AUDIO VISUAL PLAN - AREA C

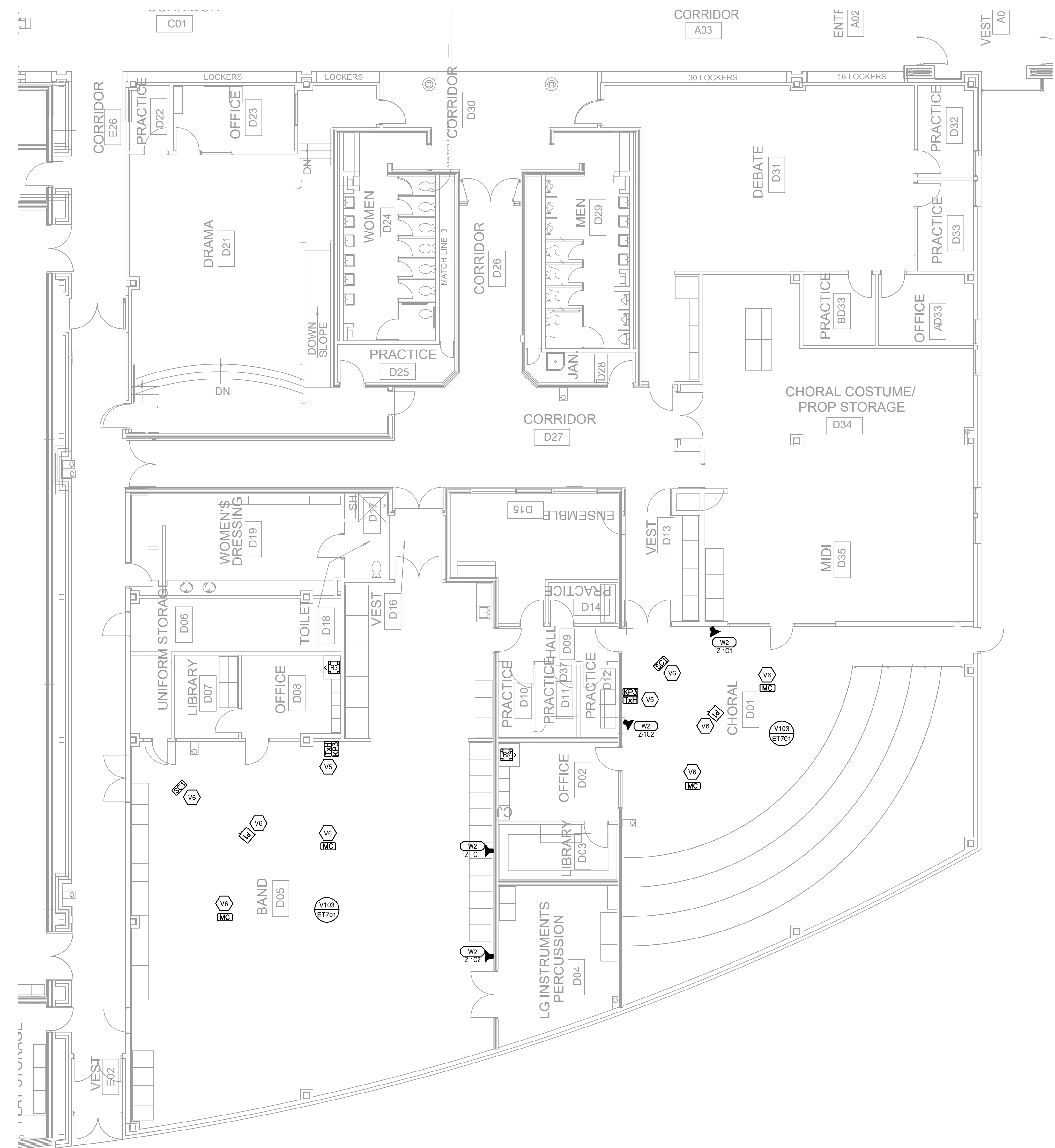
1/8" = 1'-0"



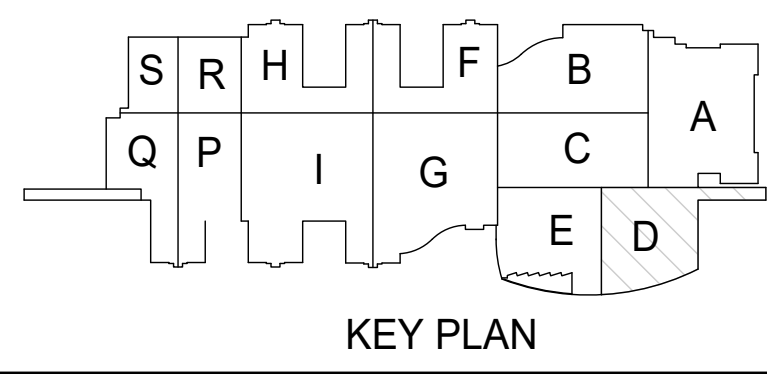
KEY PLAN

SHEET KEYNOTES	
V5	VERIFY EXACT LOCATION, REPLACING EXISTING AV CONNECTION PLATE.
V6	EXISTING EQUIPMENT TO REMAIN.

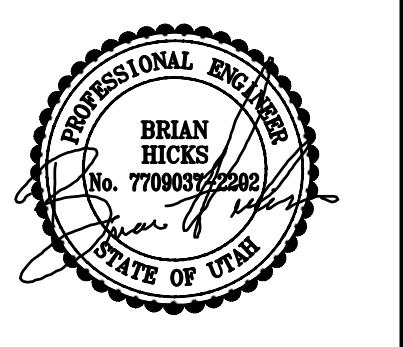
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AUDIO VISUAL PLAN - AREA D
1/8" = 1'-0"



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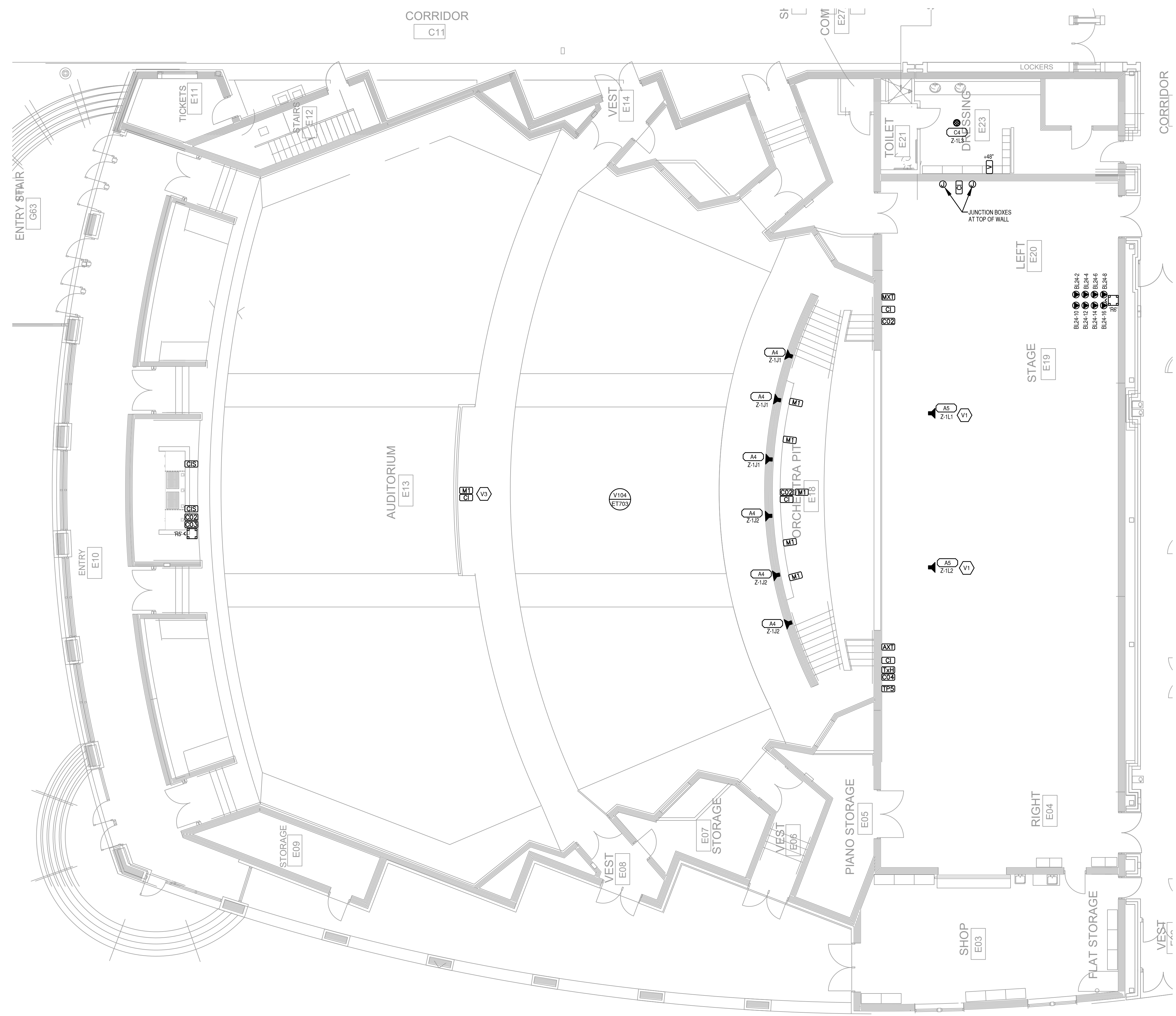
DATE: APRIL 2024
PROJECT NO: 24018
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AUDIO VISUAL
PLAN - AREA D

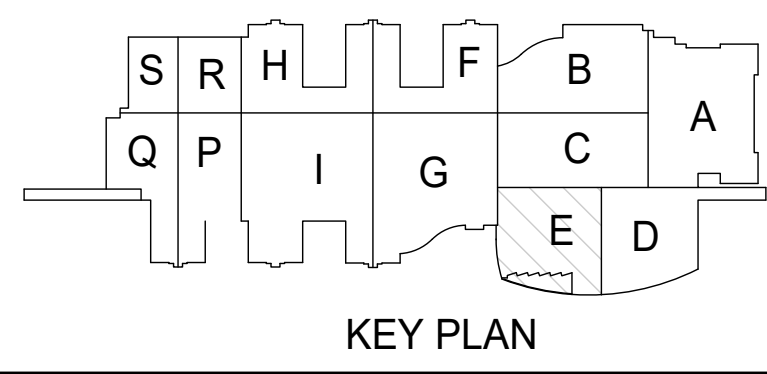
ET101D

SHEET KEYNOTES	
V1	REPLACE EXISTING MONITOR LOUDSPEAKER.
V2	LOCATED IN THE ORCHESTRA PIT.
V3	LOCATED IN FLOOR BOX.

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AUDIO VISUAL PLAN - AREA E
 1/8" = 1'-0"



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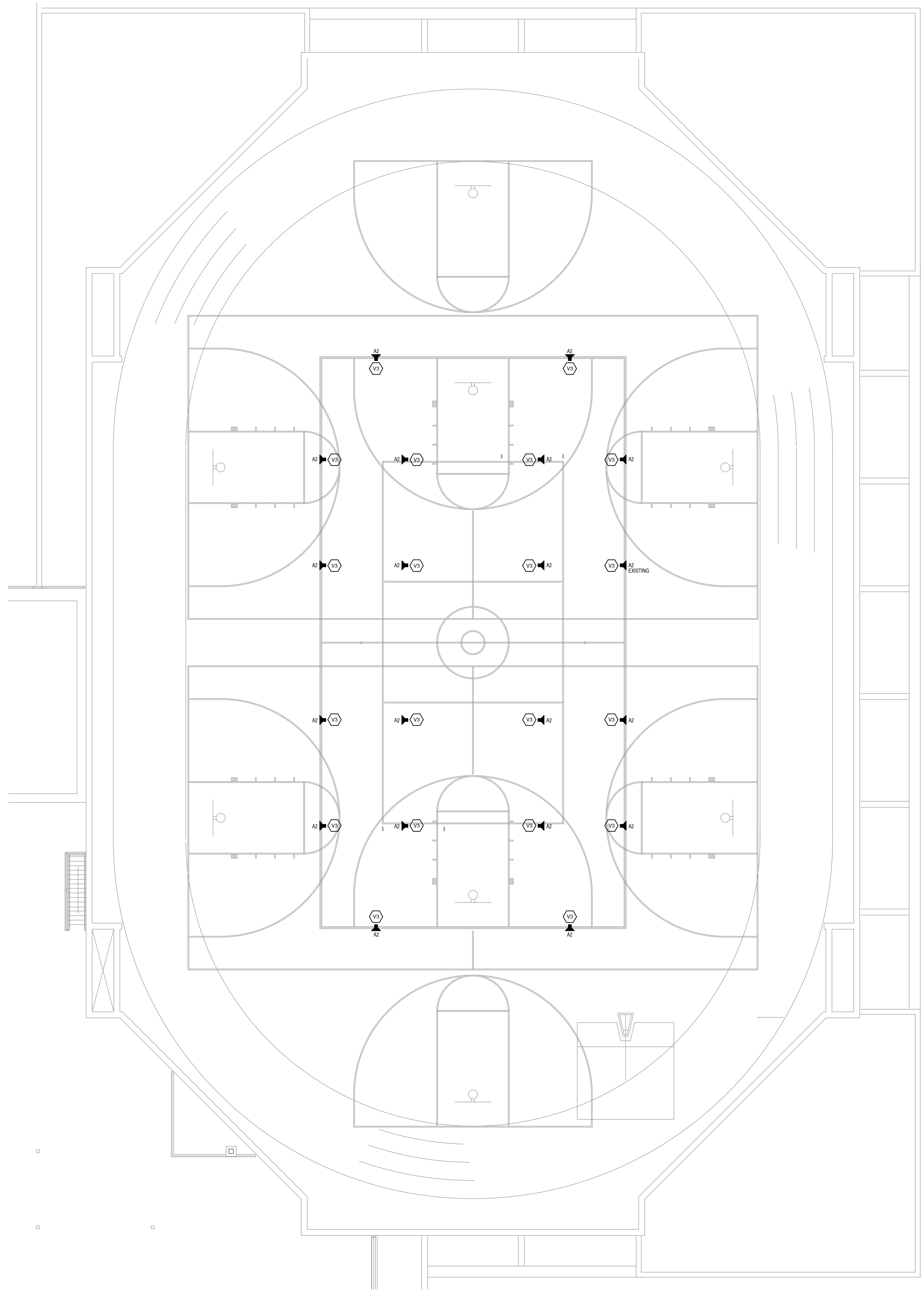
DATE: APRIL 2024
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AUDIO VISUAL
 PLAN - AREA E

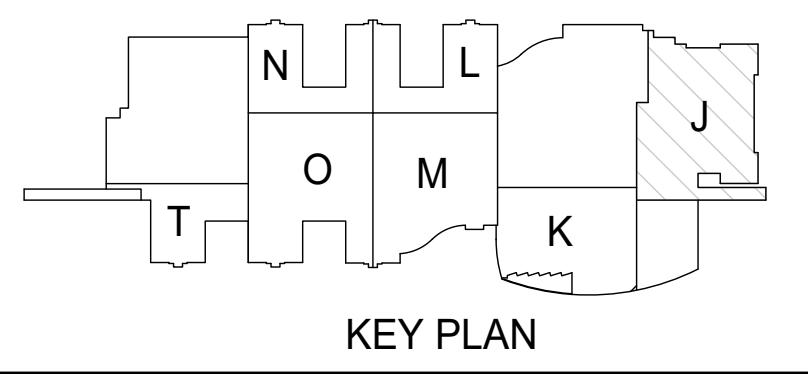
ET101E

SHEET KEYNOTES	
VS	EXISTING LOUDSPEAKERS TO REMAIN.

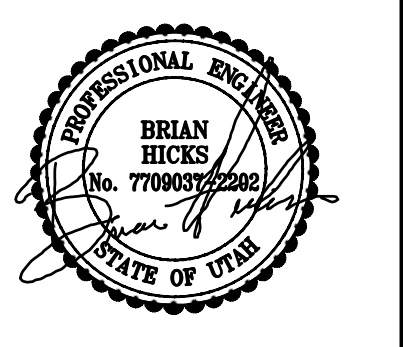
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AUDIO VISUAL PLAN - AREA J
1/8" = 1'-0"



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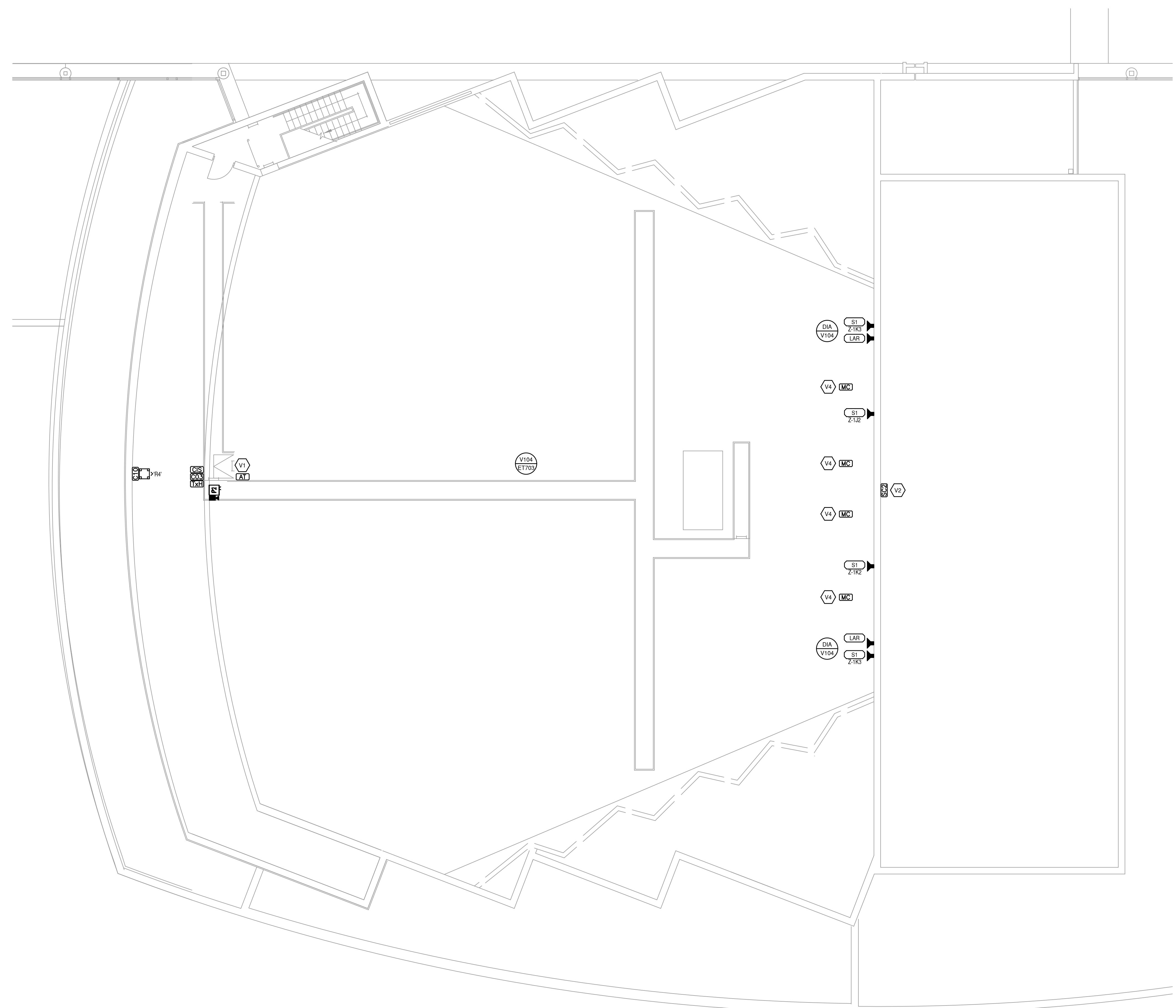
DATE: APRIL 2024
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AUDIO VISUAL
PLAN - AREA J

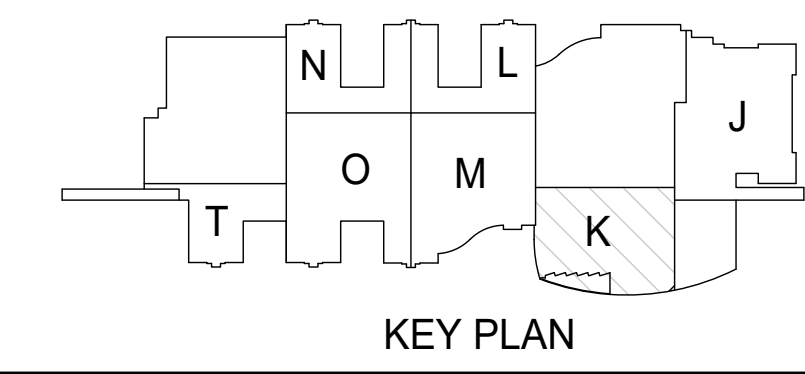
ET101J

SHEET KEYNOTES	
V1	INSTALL ANTENNA UNDER CATWALK NEAR PROJECTOR POLE.
V2	VERIFY SCREEN MOUNTING STRUCTURE IS SUFFICIENT.
V3	ENSURE CAMERA HAS A CLEAR VIEW TO ENTIRE STAGE.

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AUDIO VISUAL PLAN - AREA K
 1/8" = 1'-0"



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AUDIO VISUAL
 PLAN - AREA K

ET101K

DIAGRAM NOTES:
 ○ LOCATED IN RACK PT.
 ○ REFER TO DRAWINGS FOR LOCATIONS.
 ○ SECURE TO PROJECTOR.

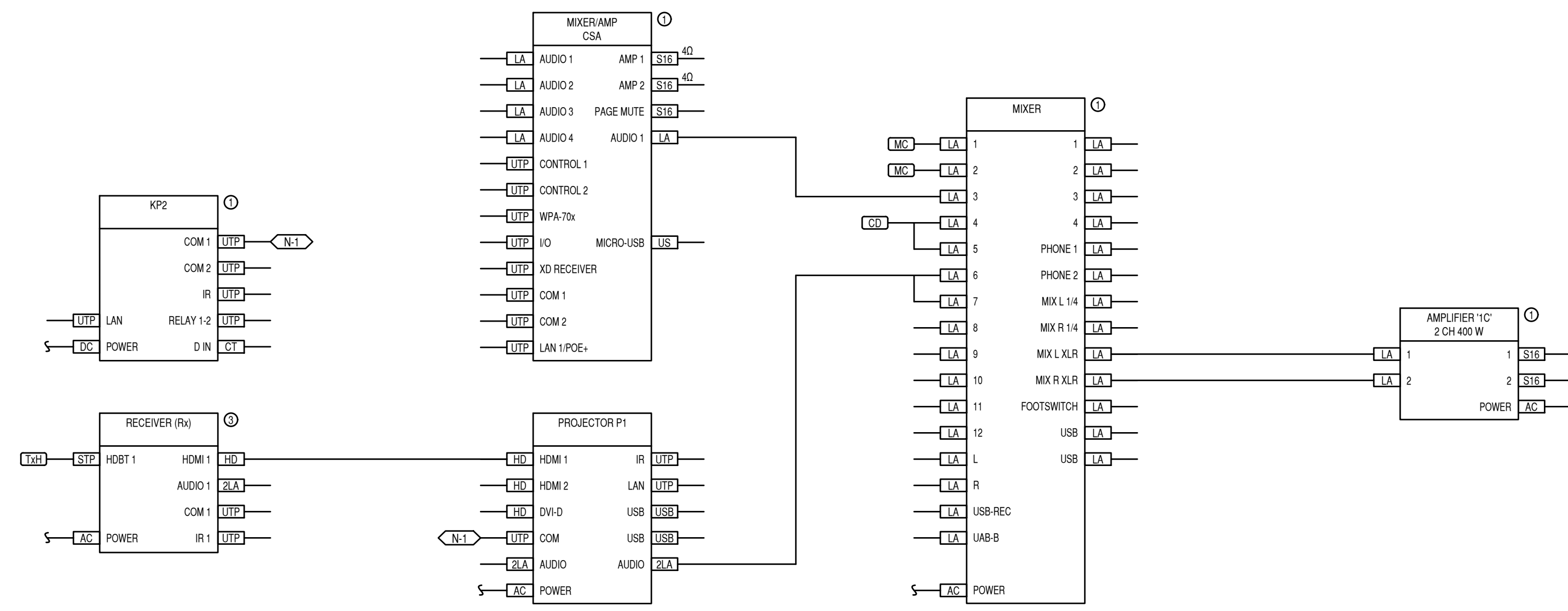


DIAGRAM V103 BAND/CHORAL ROOM AUDIO RISER NTS

DIAGRAM NOTES:
 ○ LOCATED IN RACK PT.
 ○ SUM OUTPUT SIGNAL TO MONO.
 ○ REUSE EXISTING LOUSPEAKER AND CABLING.

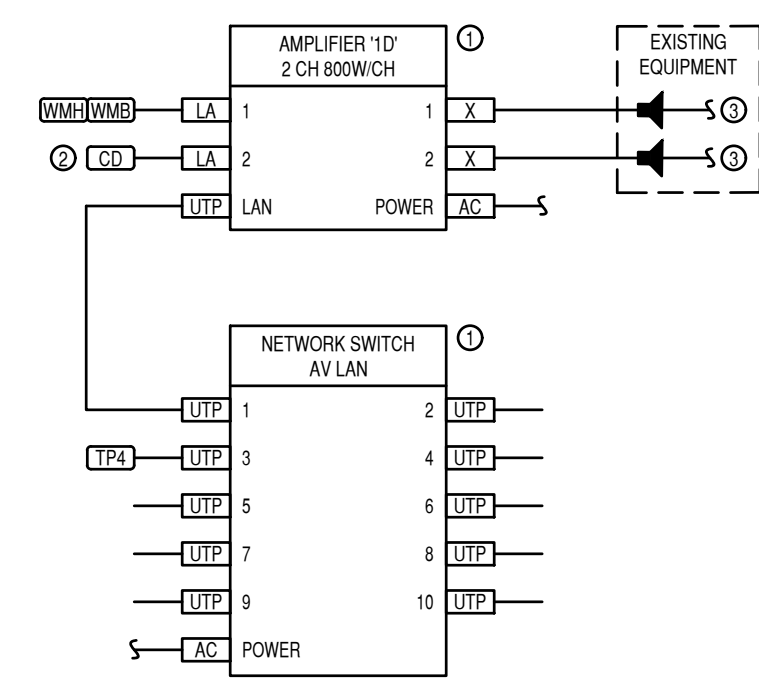


DIAGRAM V100 AUX GYMNASIUM AV SIGNAL FLOW NTS

DIAGRAM NOTES:
 ○ EXISTING LOUSPEAKERS: TEST LINE IMPEDANCE BEFORE CONNECTING TO AMPLIFIER. ENSURE PROPER OPERATION MAINTAIN EXISTING ZONING. REPLACE CABLING FROM LOUSPEAKER TO AMP.
 ○ SUM SIGNALS TO MONO.
 ○ LOCATED IN RACK PT.
 ○ AT TEACHER LOCATION - REFER TO DRAWING.

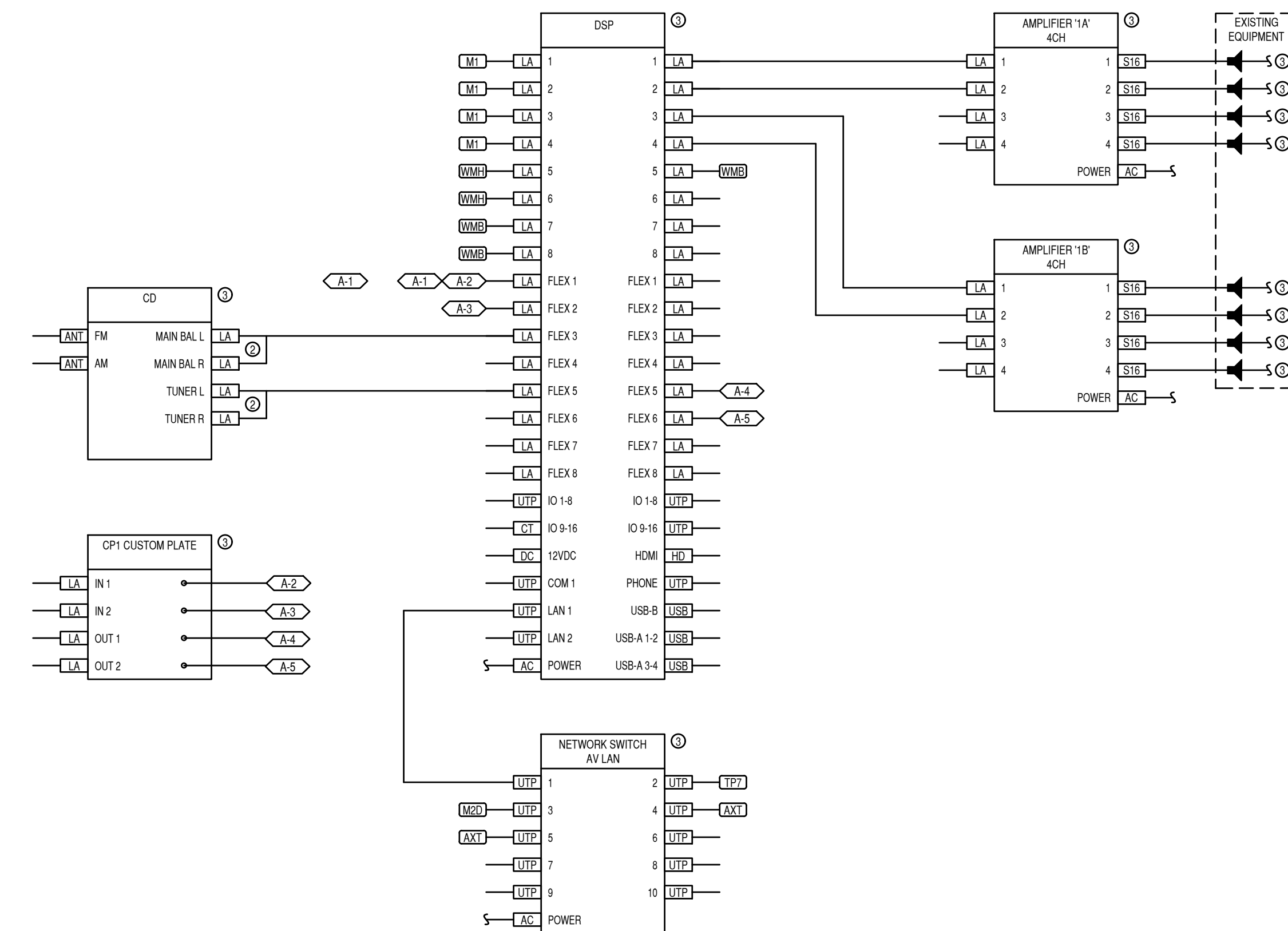
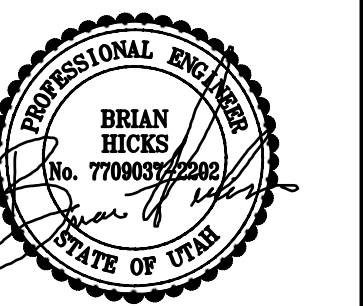


DIAGRAM V102 MAIN GYMNASIUM AV RISER NTS

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 AUDITORIUM REMODEL

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DATE: APRIL 2024
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AUDIO VISUAL
 DIAGRAMS

ET701

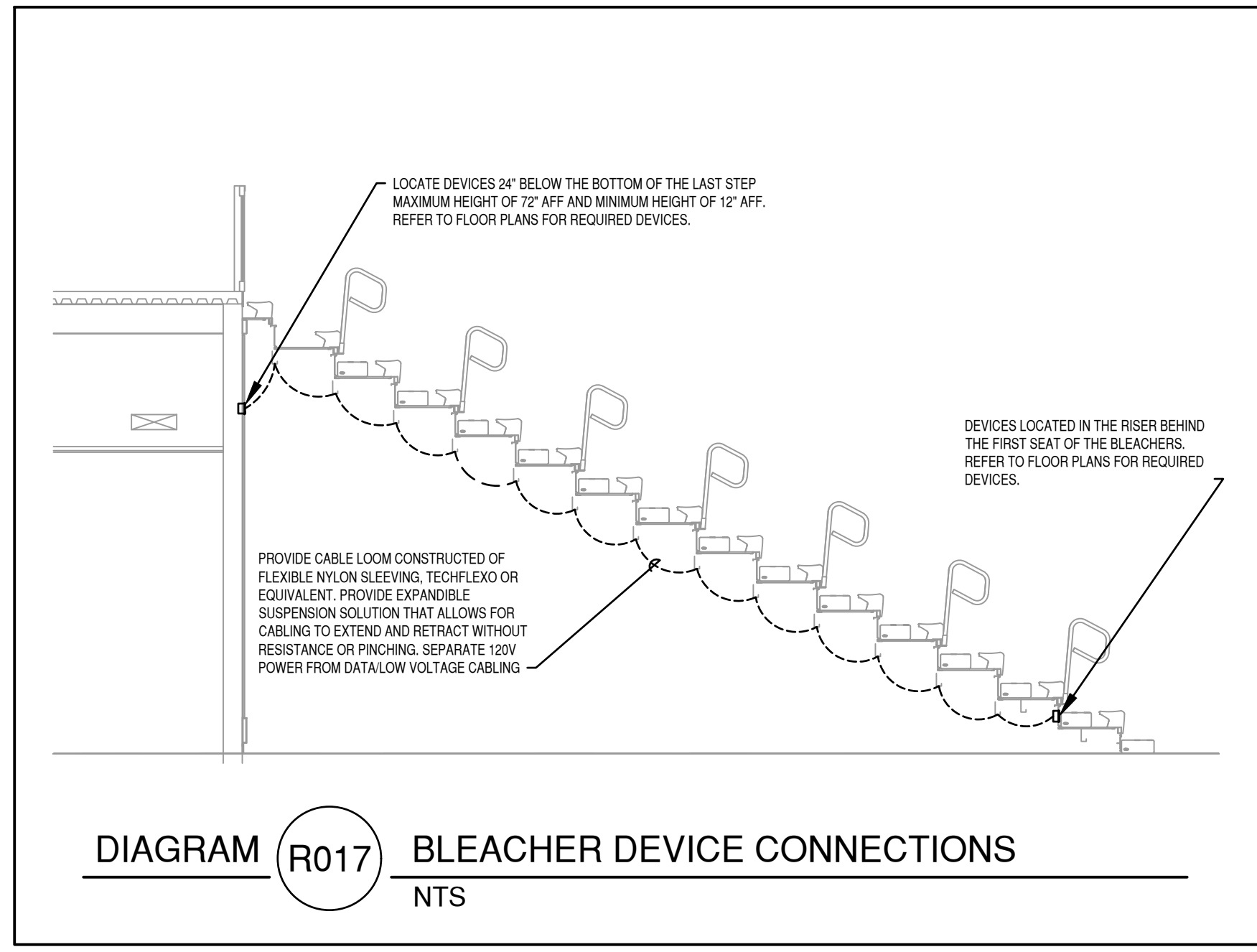
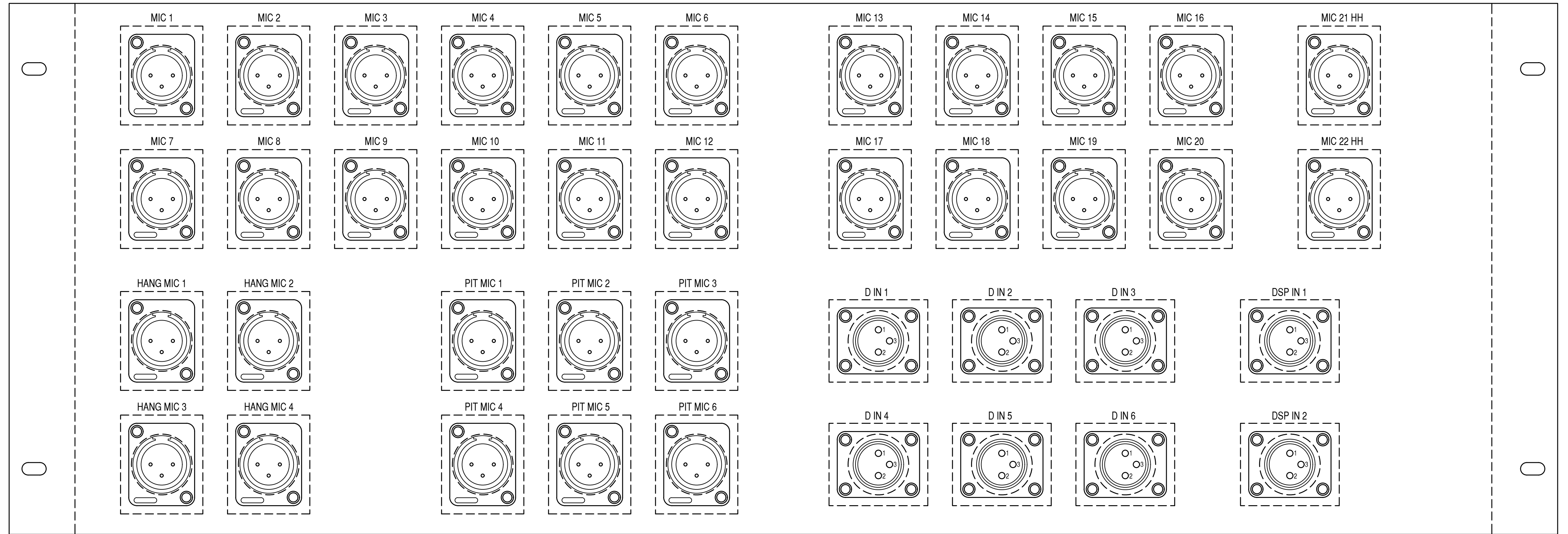
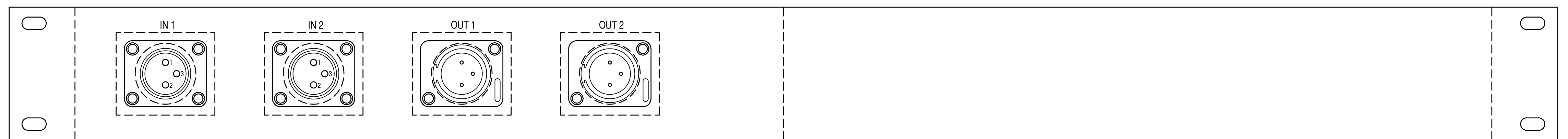


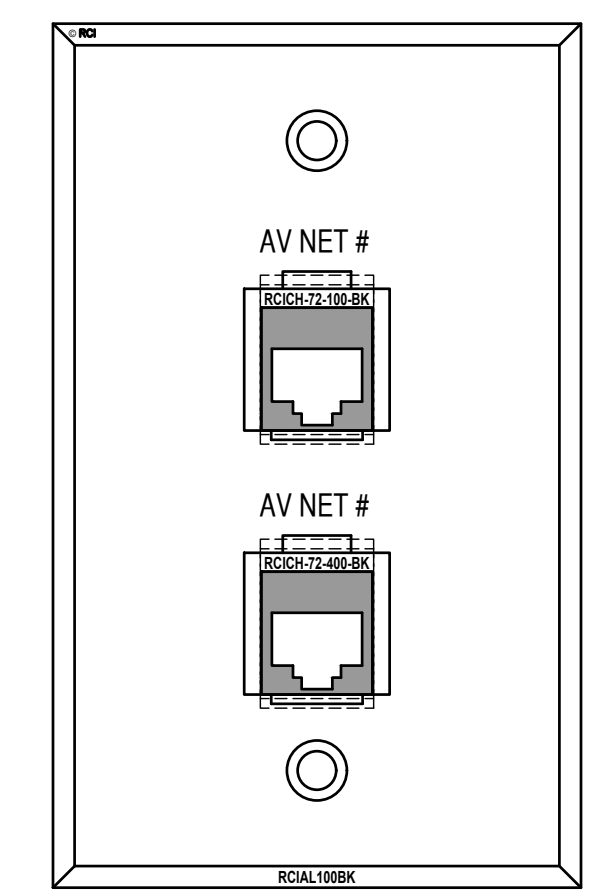
DIAGRAM (R017) BLEACHER DEVICE CONNECTIONS
 NTS



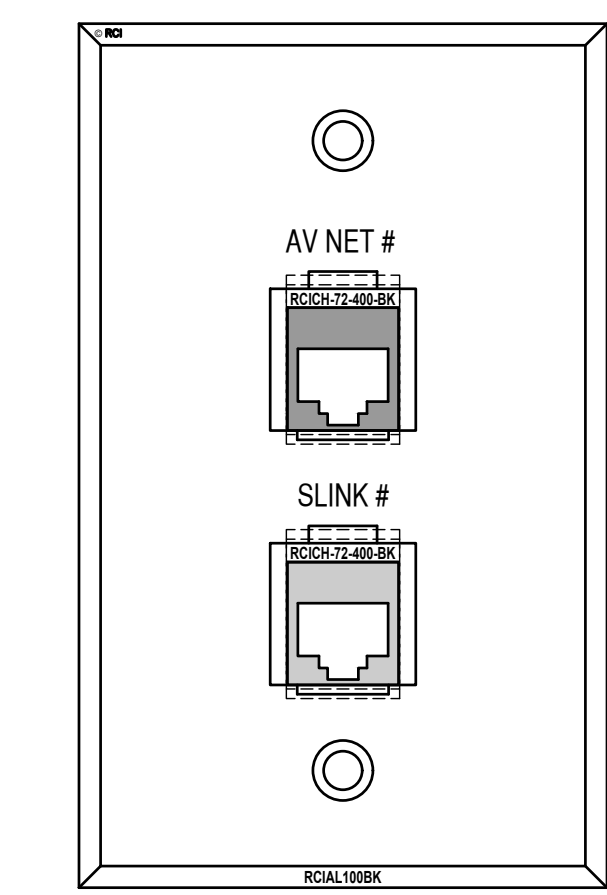
'CP2'
 CUSTOM PLATE



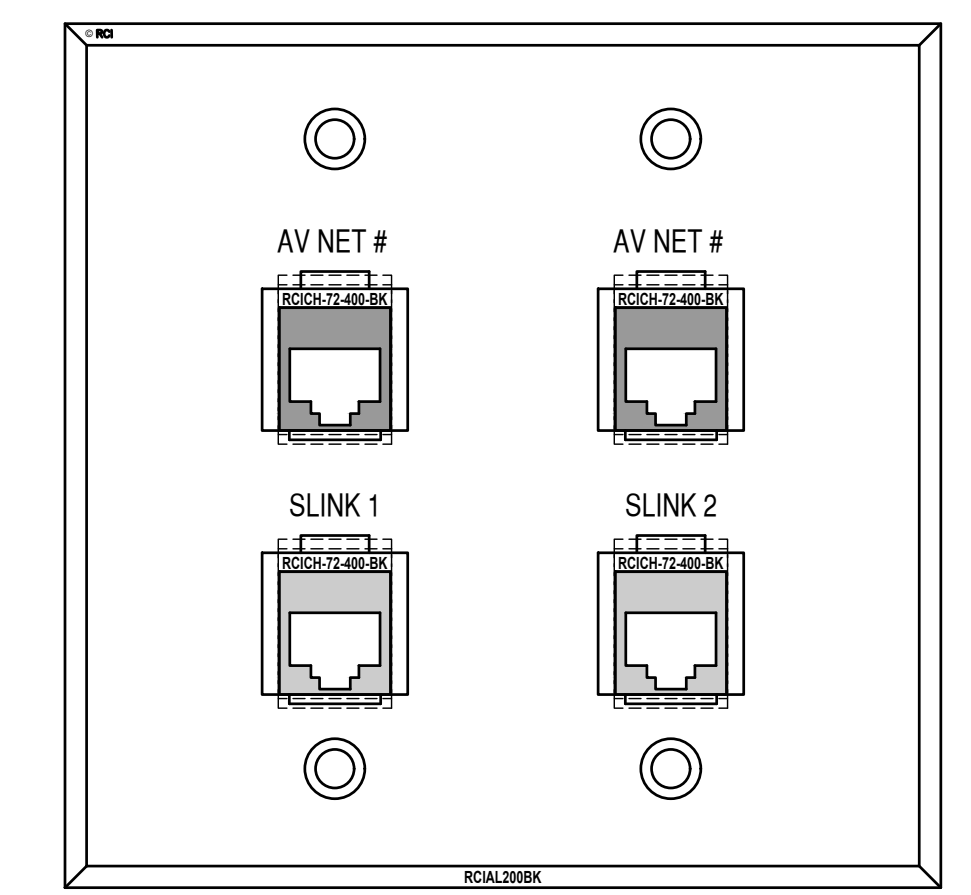
'CP1'
 CUSTOM PLATE



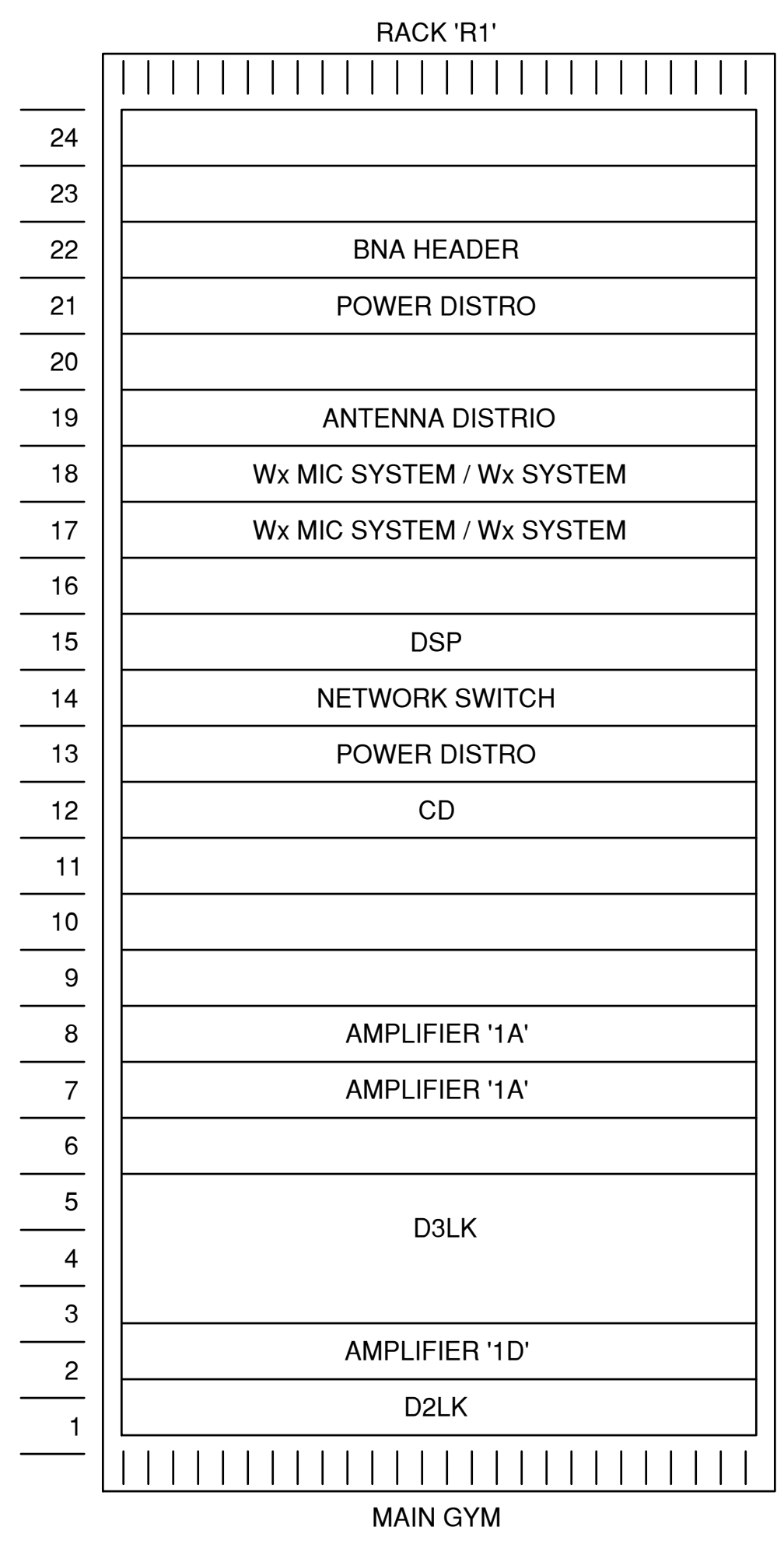
'C02'



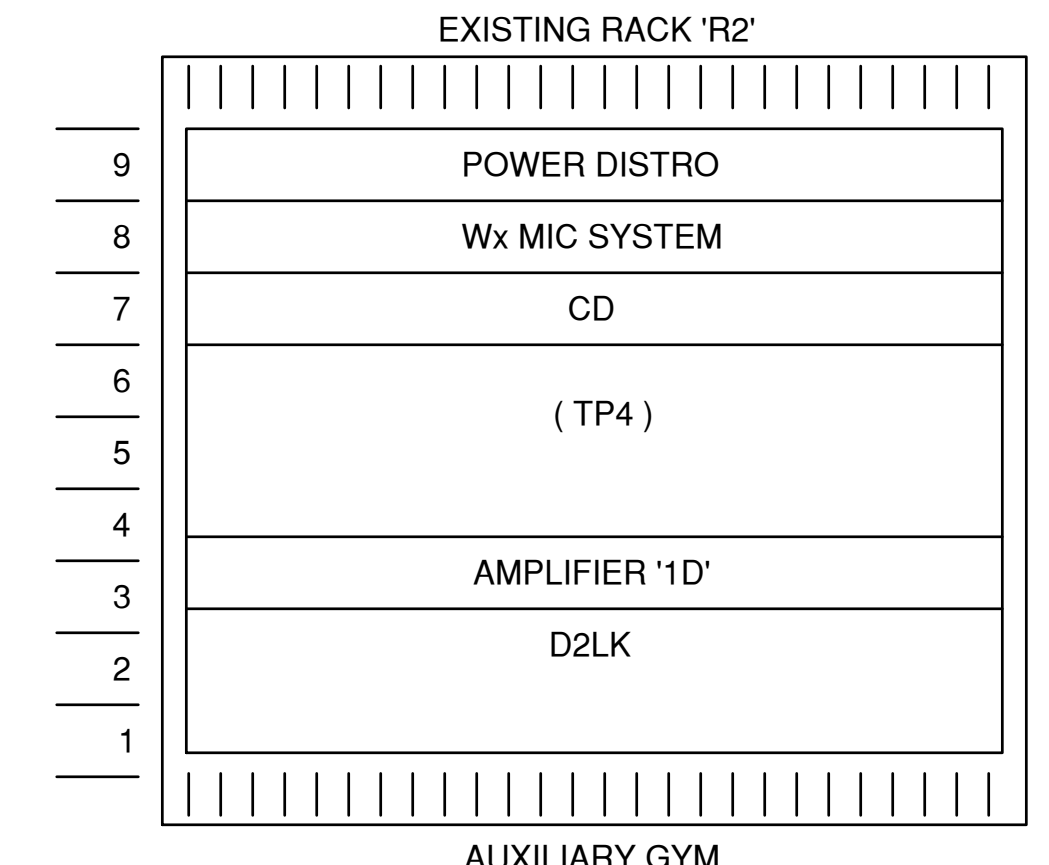
'C03'



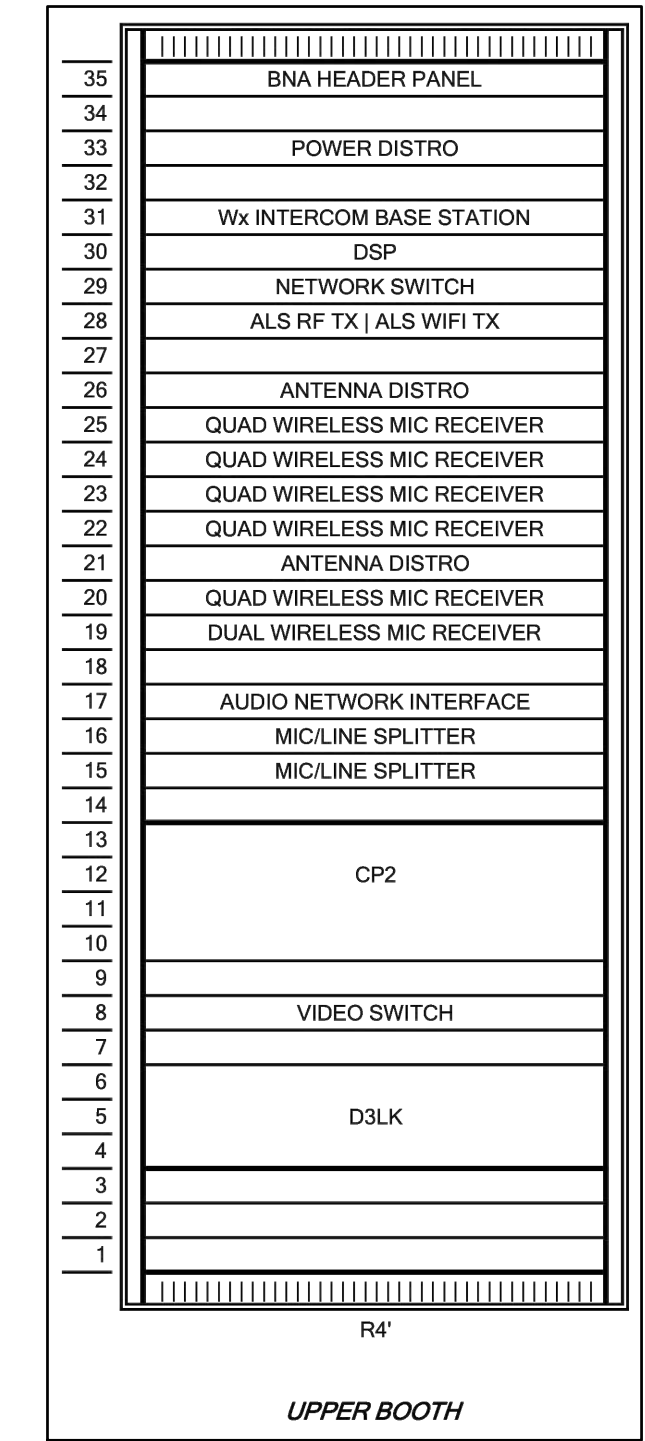
'C04'



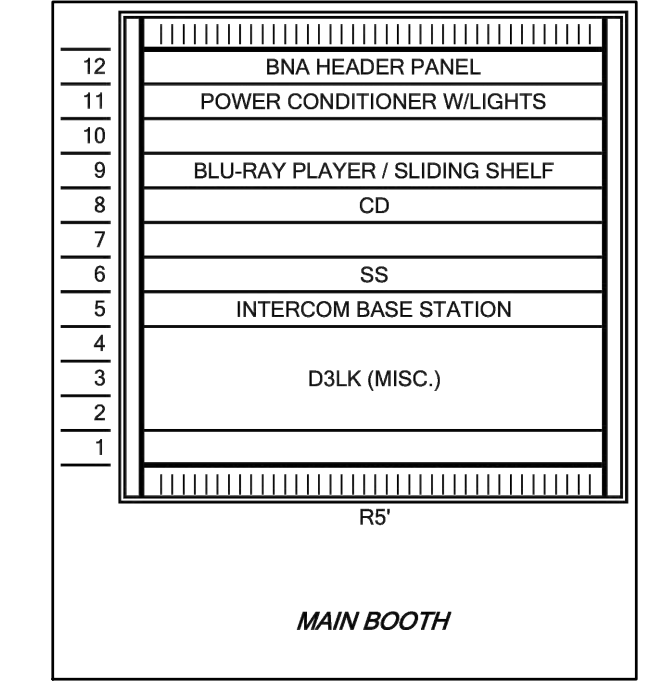
MAIN GYM



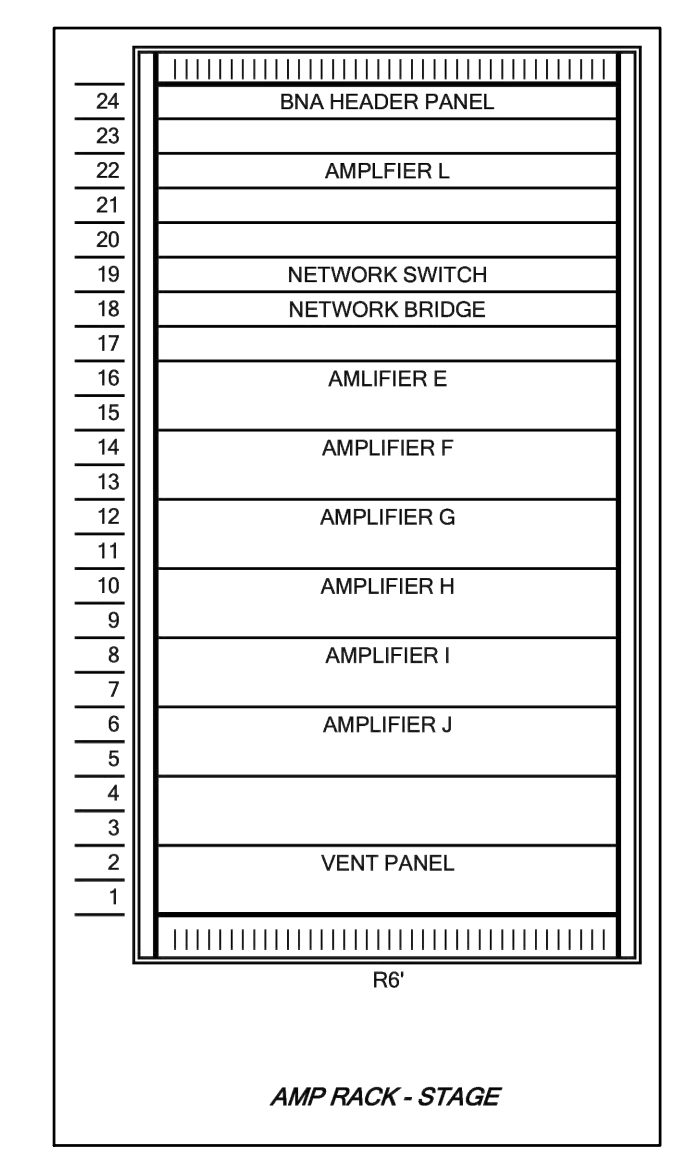
AUXILIARY GYM



UPPER BOOTH



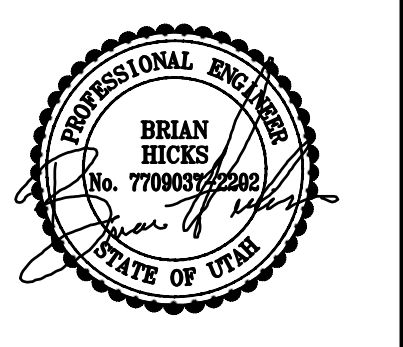
MAIN BOOTH



AMP RACK - STAGE

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AUDIO VISUAL
 DIAGRAMS

ET702

- DIAGRAM NOTES:**
- LOCATED IN BACK RISE
 - LOCATED IN MAIN BOOTH
 - LOCATED IN RACK 19E
 - LOCATED IN RACK 19C
 - SIMULINKS TO MONO
 - CONNECT TO LOCAL MONITOR
 - LOCATED AT UPPER BOOTH
 - FOR CONNECTION TO MIXER
 - FOR CONNECTION TO STAGE BOX

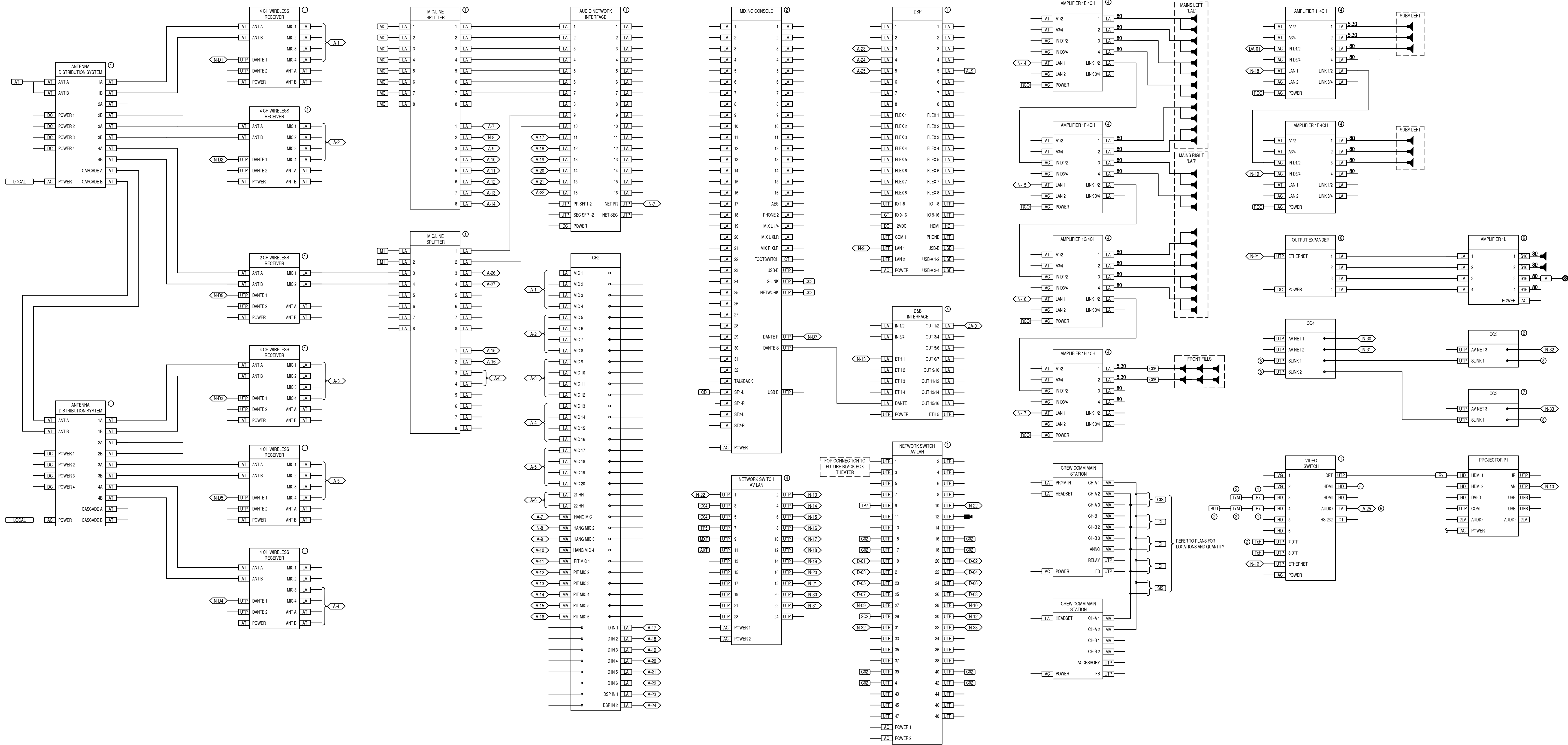
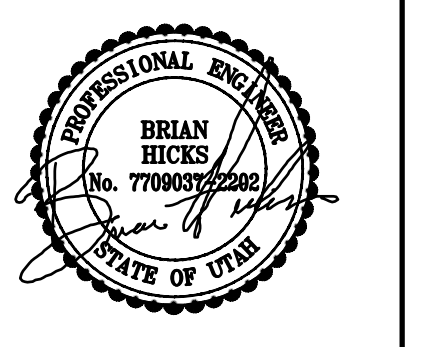


DIAGRAM V104 AUDITORIUM AV RISER
NTS

**JORDAN HIGH SCHOOL
AUDITORIUM REMODEL**
SANDY, UTAH



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**AUDIO VISUAL
DIAGRAMS**