

ELECTRICAL SYMBOL LEGEND

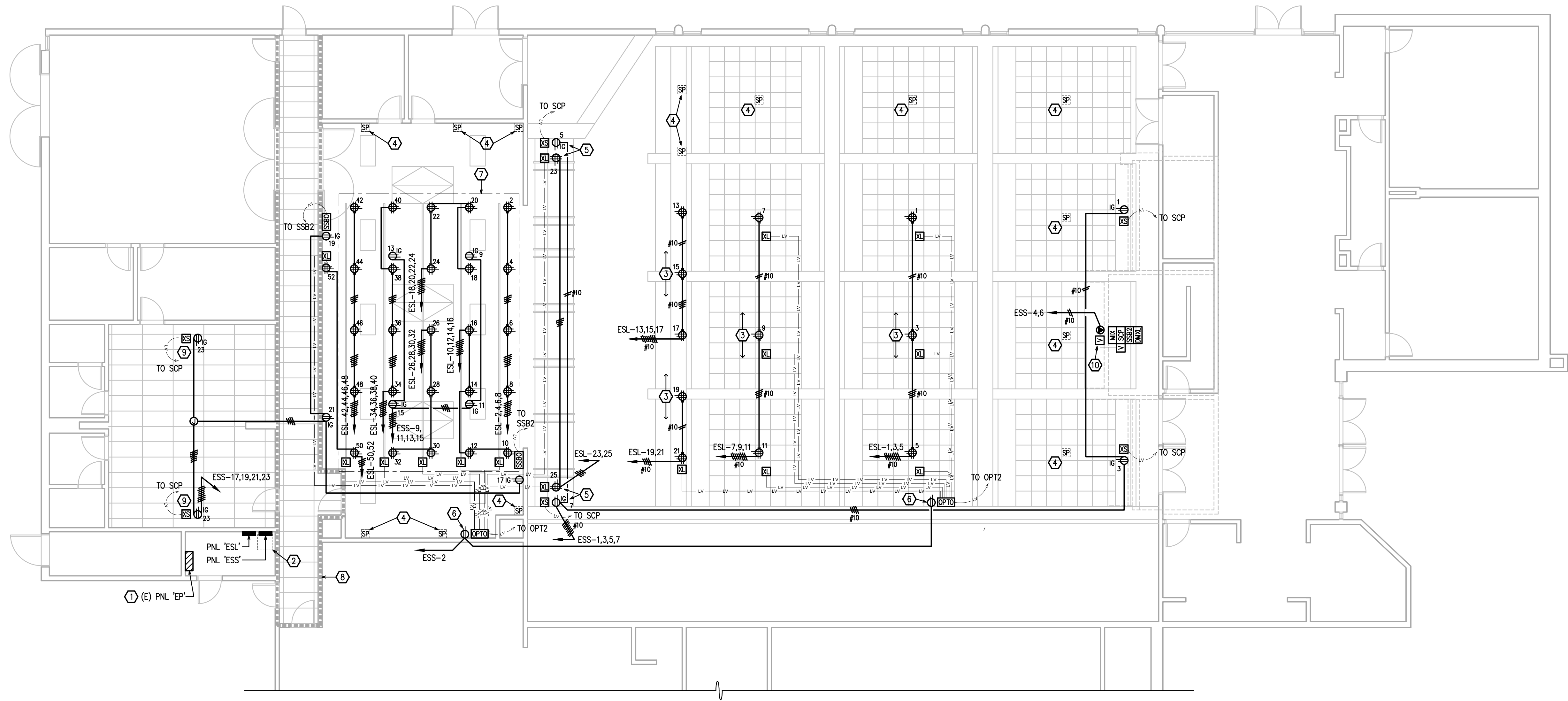
COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

SECTION A-A

- This material was extracted and drawn by 3M Fire Protection Products from the 2008 edition of the UL Fire Resistance Directory.

19. INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.

DATE:	03/20/19
PROJECT NO.:	19045
ENG.:	S. DAVIDSON
SCALE:	AS NOTED
SHEET NO.:	E-1

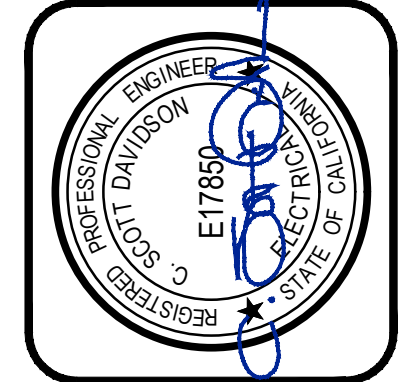


1 THEATER ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

KEYNOTES

1. EXISTING DISTRIBUTION PANEL 'EP'.
2. REMOVE EXISTING DIMMER RACK AND DELIVER TO OWNER. REMOVE EXISTING LIGHTING CROSS-CONNECT CABINETS. PROVIDE (2) NEW 54 -CIRCUIT PANELBOARDS. SEE POWER SINGLE LINE DIAGRAM.
3. REMOVE EXISTING STAGE PIN CONNECTOR, COVER, AND CONDUCTORS. PROVIDE NEW QUAD OUTLET INSIDE EXISTING HOUSING. PROVIDE APPROX. 8"x16" CUSTOM PLATE SURROUND IN WHITE POWDER COAT TO MATCH ADJACENT SURFACES.
4. REMOVE EXISTING STAGE PIN CONNECTOR, COVER, AND CONDUCTORS. PROVIDE APPROX. 8"x16" CUSTOM PLATE SURROUND IN WHITE POWDER COAT TO MATCH EXISTING ADJACENT SURFACES AND BLANK OFF EXISTING HOUSING.
5. VERIFY EXACT LOCATIONS OF SPEAKER OUTLETS AND LIGHTING OUTLETS.
6. INSTALL POWER OUTLET ADJACENT TO DISTRIBUTOR/BOOSTER.
7. DEVICES IN THIS AREA TO BE MOUNTED TO BOTTOM OF CEILING.
8. DASHED LINE INDICATED 1-HOUR RATED WALL ASSEMBLY. PROVIDE PENETRATIONS THROUGH ASSEMBLY PER RATED WALL PENETRATION DETAIL, SHEET E-1.
9. INSTALL DEVICE FLUSH IN CEILING.
10. INSTALL PROJECTOR POWER AND VIDEO OUTLETS AT FACE OF SOFFIT, BELOW SOUND BOOTH. RUN HDMI VIDEO FROM OUTLET AT PROJECTOR TO SOUND BOOTH AND INSTALL JACKS AT EACH END. VERIFY LOCATION WITH MUSD.

REVISIONS		DATE	BY	DESCRIPTION



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CONSULTANT:



THEATER LIGHTING AND SOUND UPGRADES:
MADERA UNIFIED SCHOOL DISTRICT
MADERA SOUTH HIGH SCHOOL
1025 W. E. BROWN AVE.
MADERA, CA 93627

THEATER ELECTRICAL PLAN

DATE:	03/20/19
PROJECT NO.:	19045
ENG.:	S. DAVIDSON
SCALE:	AS NOTED
SHEET NO.:	E-2

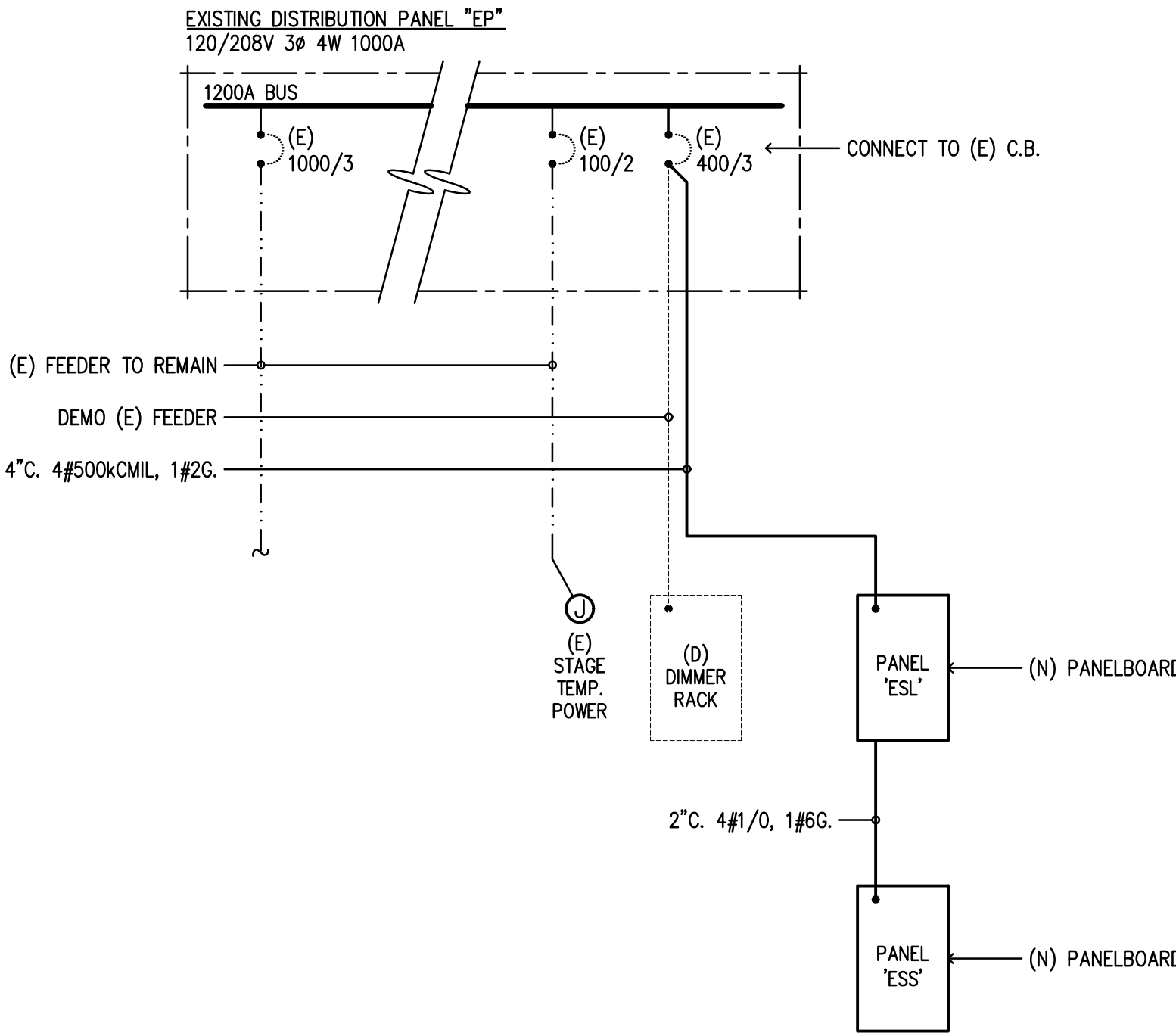
PANEL SCHEDULES

PANEL "ESL" SCHEDULE									
120/208V 3Ø 4W									
INDOOR / SURFACE									
CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION
		AMPS	POLE(S)				AMPS	POLE(S)	
1	FRONT OF HOUSE LIGHTS - BACK ROW	20	1	2400	A	2400	20	1	STAGE LIGHTS - BATTEN 1
3	FRONT OF HOUSE LIGHTS - BACK ROW	20	1	2400	B	2400	20	1	STAGE LIGHTS - BATTEN 1
5	FRONT OF HOUSE LIGHTS - BACK ROW	20	1	2400	C	2400	20	1	STAGE LIGHTS - BATTEN 1
7	FRONT OF HOUSE LIGHTS - FRONT ROW	20	1	2400	A	2400	20	1	STAGE LIGHTS - BATTEN 1
9	FRONT OF HOUSE LIGHTS - FRONT ROW	20	1	2400	B	2400	20	1	STAGE LIGHTS - BATTEN 1
11	FRONT OF HOUSE LIGHTS - FRONT ROW	20	1	2400	C	2400	20	1	STAGE LIGHTS - BATTEN 2
13	FRONT OF HOUSE LIGHTS - DOWNSTAGE SOFFIT	20	1	2400	A	2400	20	1	STAGE LIGHTS - BATTEN 2
15	FRONT OF HOUSE LIGHTS - DOWNSTAGE SOFFIT	20	1	2400	B	2400	20	1	STAGE LIGHTS - BATTEN 2
17	FRONT OF HOUSE LIGHTS - DOWNSTAGE SOFFIT	20	1	2400	C	2400	20	1	STAGE LIGHTS - BATTEN 2
19	FRONT OF HOUSE LIGHTS - DOWNSTAGE SOFFIT	20	1	2400	A	2400	20	1	STAGE LIGHTS - BATTEN 3
21	FRONT OF HOUSE LIGHTS - DOWNSTAGE SOFFIT	20	1	2400	B	2400	20	1	STAGE LIGHTS - BATTEN 3
23	FRONT OF HOUSE LIGHTS - RIGHT APRON	20	1	2400	C	2400	20	1	STAGE LIGHTS - BATTEN 3
25	FRONT OF HOUSE LIGHTS - LEFT APRON	20	1	2400	A	2400	20	1	STAGE LIGHTS - BATTEN 3
27	SPARE	20	1		B	2400	20	1	STAGE LIGHTS - BATTEN 3
29	SPARE	20	1		C	2400	20	1	STAGE LIGHTS - BATTEN 3
31	SPARE	20	1		A	2400	20	1	STAGE LIGHTS - BATTEN 4
33	SPARE	20	1		B	2400	20	1	STAGE LIGHTS - BATTEN 4
35	SPARE	20	1		C	2400	20	1	STAGE LIGHTS - BATTEN 4
37	SPARE	20	1		A	2400	20	1	STAGE LIGHTS - BATTEN 4
39	SPARE	20	1		B	2400	20	1	STAGE LIGHTS - BATTEN 4
41	SPARE	20	1		C	2400	20	1	STAGE LIGHTS - BATTEN 5
43	SPARE	20	1		A	2400	20	1	STAGE LIGHTS - BATTEN 5
45	SPARE	20	1		B	2400	20	1	STAGE LIGHTS - BATTEN 5
47	SPARE	20	1		C	2400	20	1	STAGE LIGHTS - BATTEN 5
49	PANEL 'ESS'	150	3	5150	A	2400	20	1	STAGE LIGHTS - BACK WALL
51	----	--	--	6600	B	2400	20	1	SPARE
53	----	--	--	5600	C		20	1	
LOAD SUMMARY:		Φ A		33600 VA		BUSING:	400A CU		
		Φ B		37800 VA		MAIN:	LUGS ONLY		
		Φ C		34400 VA		SCCR:	65,000A FULLY RATED		
CONNECTED LOAD:				105.8 kVA		TYPE:	GE A-SERIES LIGHTING PANELBOARD		
MAX CURRENT:				315 A					

PANEL "ESS" SCHEDULE									
120/208V 3Ø 4W									
INDOOR/SURFACE									
CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION
		AMPS	POLE(S)				AMPS	POLE(S)	
1	I.G. OUTLET - MIXING BOOTH LEFT	20	1	1500	A	150	20	1	OUTLETS - DMX DISTRIBUTION/BOOSTERS
3	I.G. OUTLET - MIXING BOOTH RIGHT	20	1	1500	B	1600	20	2	OUTLET - PROJECTOR
5	I.G. OUTLET - APRON LEFT	20	1	1500	C	1600	--	--	-----
7	I.G. OUTLET - APRON RIGHT	20	1	1500	A		20	1	SPARE
9	I.G. OUTLET - STAGE CEILING	20	1	1500	B		20	1	SPARE
11	I.G. OUTLET - STAGE CEILING	20	1	1500	C		20	1	SPARE
13	I.G. OUTLET - STAGE CEILING	20	1	1500	A		20	1	SPARE
15	I.G. OUTLET - STAGE CEILING	20	1	1500	B		20	1	SPARE
17	I.G. OUTLET - STAGE FRONT	20	1	500	C		20	1	SPARE
19	I.G. OUTLET - STAGE BACK	20	1	500	A		20	1	SPARE
21	I.G. OUTLET - STAGE BACK	20	1	500	B		20	1	SPARE
23	I.G. OUTLET - DRESSING ROOM	20	1	500	C		20	1	SPARE
25	SPACE ONLY				A				SPACE ONLY
27	SPACE ONLY				B				SPACE ONLY
29	SPACE ONLY				C				SPACE ONLY
31	SPACE ONLY				A				SPACE ONLY
33	SPACE ONLY				B				SPACE ONLY
35	SPACE ONLY				C				SPACE ONLY
37	SPACE ONLY				A				SPACE ONLY
39	SPACE ONLY				B				SPACE ONLY
41	SPACE ONLY				C				SPACE ONLY
LOAD SUMMARY:		Φ A		5150 VA		BUSING:	200A CU		
		Φ B		6600 VA		MAIN:	LUGS ONLY		
		Φ C		5600 VA		SCCR:	65,000A FULLY RATED		
CONNECTED LOAD:				17.4 kVA		TYPE:	GE A-SERIES PANELBOARD		
MAX CURRENT:				55 A					

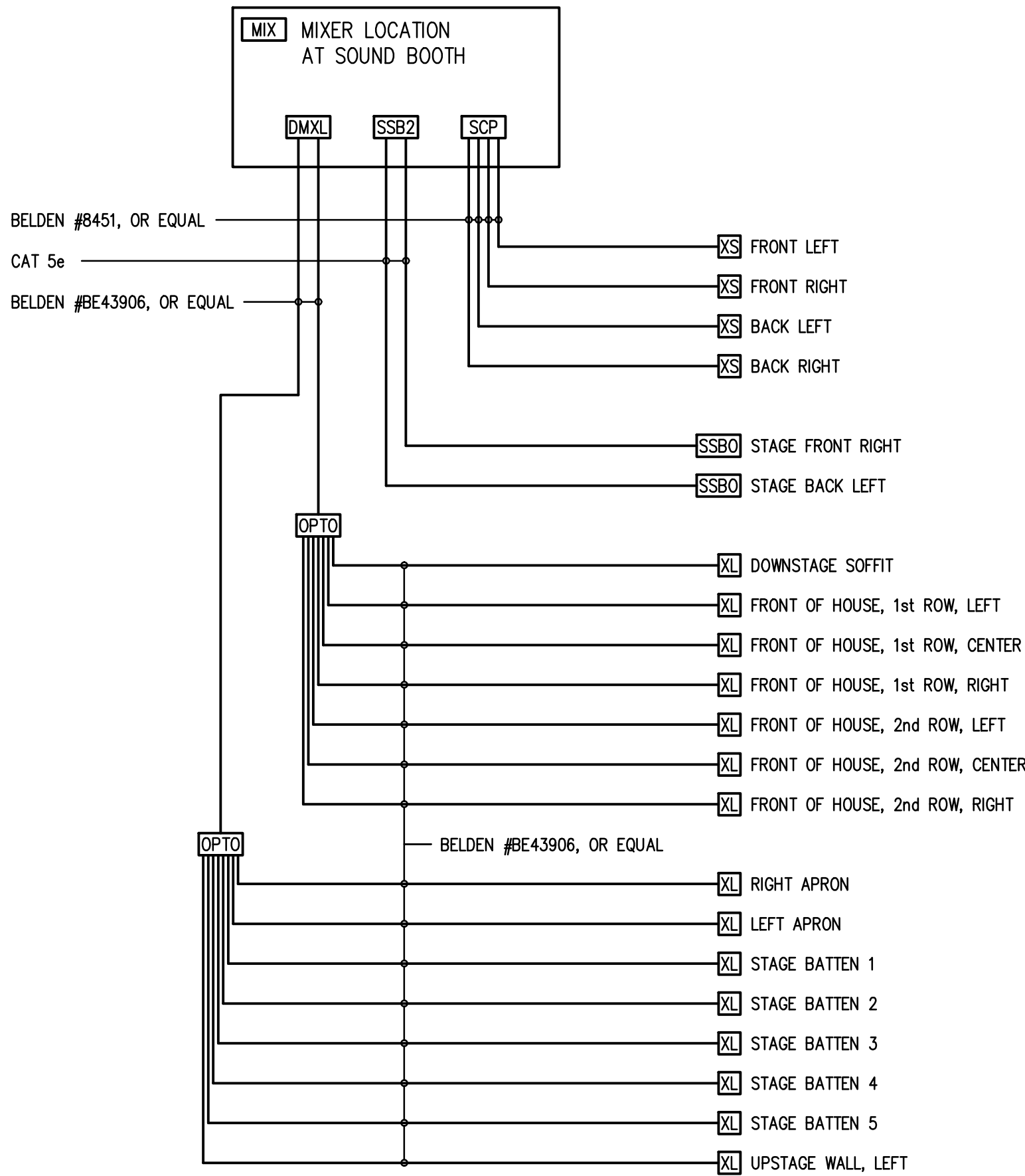
POWER SINGLE LINE DIAGRAM

NO SCALE

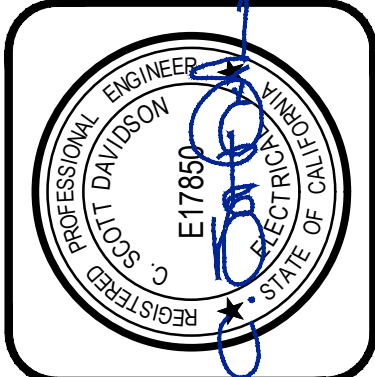


LIGHTING & SOUND LINE DIAGRAM

NO SCALE



REVISIONS		DESCRIPTION	
NO.	DATE	BY	



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Madera, CA 93627

ELECTRICAL DIAGRAMS AND SCHEDULES

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