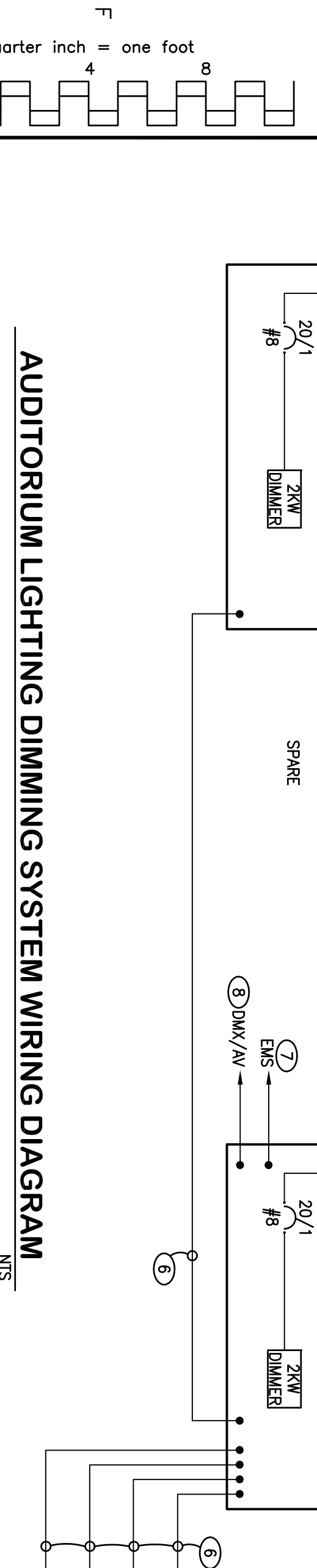
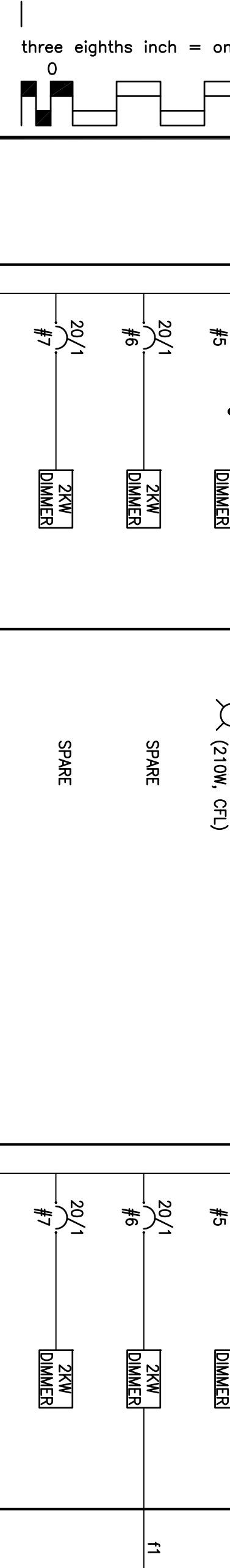
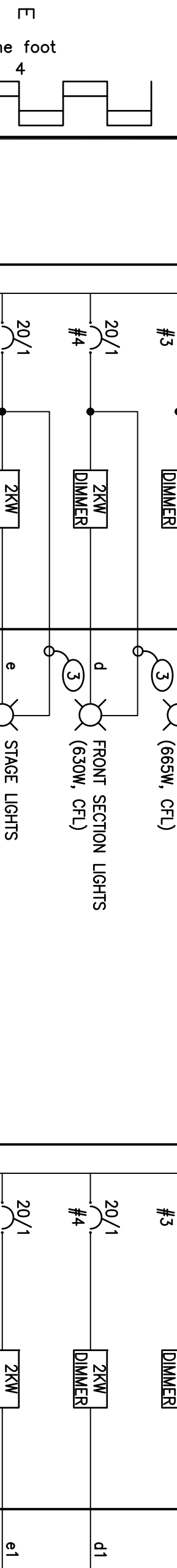
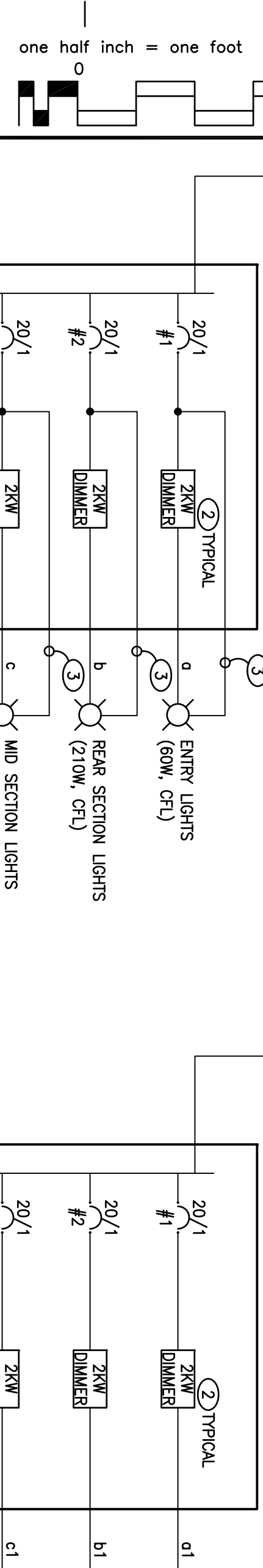
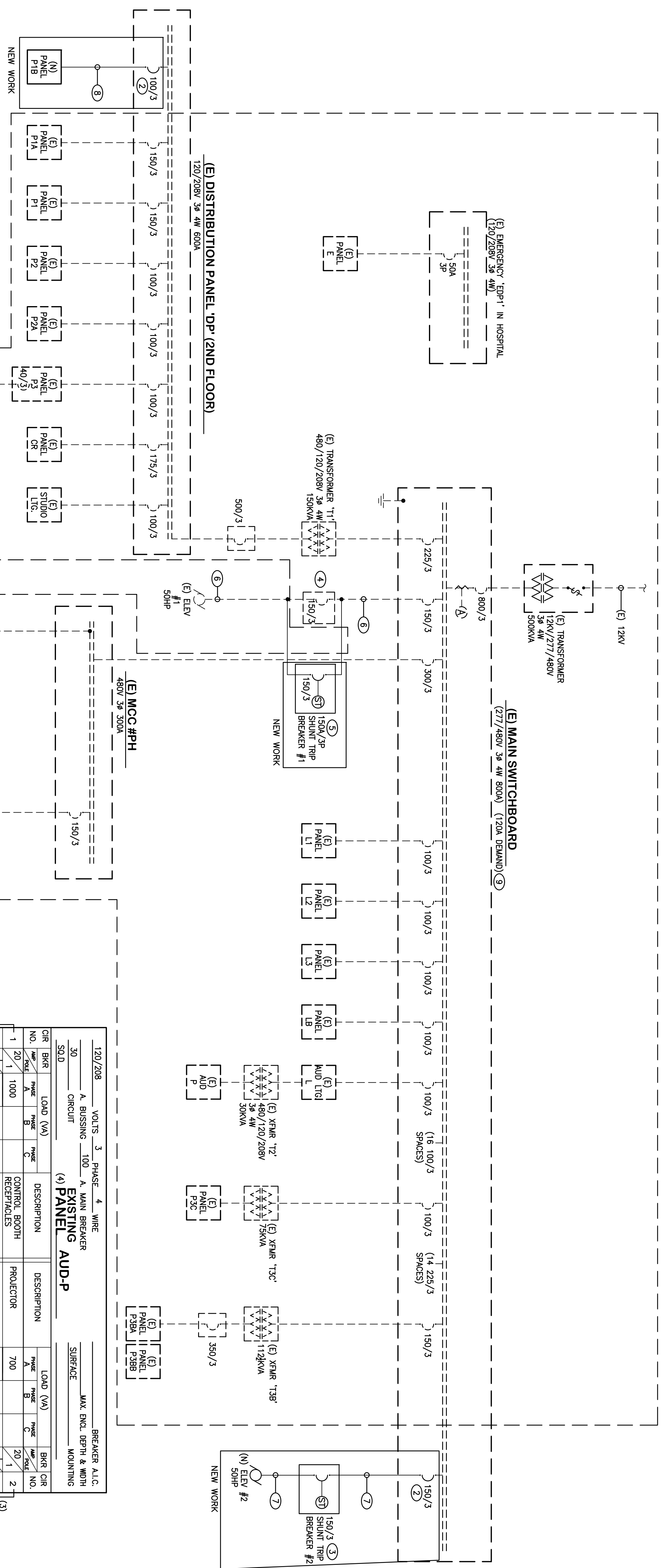


120/208				14k			
VOLTS				3 PHASE 4 WIRE			
175				A. BUSSING			
8				NO. A. MAIN BREAKER			
CIRCUIT				120/208/3W/3PH MAX. ENCL. DEPTH & WIDTH			
PANEL				SURFACE MOUNTING			
DM2							
CIR. BKR				LUTRON (E8F8)			
NO.	AMP	PHASE	LOAD (VA)	DESCRIPTION	NO.	AMP	PHASE
1	20	1	825	CENTER COVE LIGHTS			
2			550	SIDE COVE LIGHTS			
3			132	STAGE COVE LIGHTS			
4			575	FOURIE SPOT LIGHTS			
5							
6			575				
7							
8				SPARE			
PHASE A = 1400				VA.	PHASE B = 1125	VA.	PHASE C = 707
TOTAL CONNECTED				3232	VA. + 25% TOL	8058	VA. = 4040
					VA.	(15 AMP) MAX.	

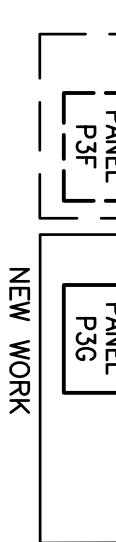


AUDITORIUM LIGHTING DIMMING SYSTEM WIRING DIAGRAM

[illegible]

- (1) DIMMING SYSTEM SHALL BE COMPLETE OFFERING A SYSTEM MANUFACTURED BY THE FOLLOWING COMPANY OR ITS SUBSIDIARY OR AFFILIATE. THE DIMMER SHALL BE IN CONTRACT, INSTANT, PROGRAMMABLE AND ADJUSTING OF SYSTEM ALSO INCLUDE IN CONTRACT A FORM OF INSTRUCTION TO OWNER'S DESIGNATED PERSONNEL AS SCHEDULED BY CONTRACTOR.
- (2) DIMMERS SHALL BE COMPATIBLE WITH CONNECTED LIGHTING LOADS AND/OR DIMMING BALLASTS.
- (3) DIMMER PANEL CIRCUITS SHALL HAVE PROVISION FOR UNSWITCHED CIRCUIT HOT LINES TO LIGHTING FIXTURES WITH INTERNAL ELECTRONIC BALLAST PACK.
- (4) LIGHTING CONTROL SWITCHING SHALL BE 4-LEVEL CONTROL OF SWITCHES WITH OFF INDICATED ON PLATES.
- (5) LEADING CONTROL PAGES SHALL BE 16-SCENE CONTROL PANEL, TO BE PROGRAMMED BY SUPPLIER, AS DIRECTED BY OWNER, FOR CONTROL OF THE 12-DIMMER CIRCUITS AT BOTH DIMMER PANELS.
- (6) 17" WITH CONTROL CABLE AS DIRECTED BY SUPPLIER.
- (7) DIMMER PAGES SHALL HAVE PROVISION FOR ACCEPTING INPUT SIGNAL FROM DIMMER SYSTEM TO TURN OFF ALL LIGHTS AS SCHEDULED BY OWNER, RUN ONE 17" WITH PULL WIRE TO END SYSTEM PANEL, AS DIRECTED BY CONTRACTOR.
- (8) SYSTEM RUN ONE 1-1/4" WITH PULL WIRE TO EXISTING SOUND BACK LOCATION.

VAMC B24 LINE DIAGRAM



- LINE DIAGRAM NOTES:
- ① TYPICAL, UNLESS OTHERWISE NOTED, EXISTING ELECTRICAL TO REMAIN, SHOWN FOR REFERENCE ONLY.
- ② PROVIDE NEW BREAKER IN EXISTING SPACE. MATCH EXISTING BREAKERS' RATING. PROVIDE IDENTIFICATION NAMEPLATE FOR NEW BREAKER.
- ③ PROVIDE NEW 150A/2P BREAKER IN NEW 1 ENCLOSURE WITH 120V SHUNT COIL, MAIN CONTACTS PER EXISTING SUPPLIER'S REQUIREMENT, AND PADLOCKABLE LOCK OFF DEVICE AT HANDLE.
- ④ REMOVE EXISTING BREAKER.
- ⑤ PROVIDE NEW 150A/2P BREAKER IN NEW 1 ENCLOSURE WITH 120V SHUNT COIL, MAIN CONTACTS PER EXISTING SUPPLIER'S REQUIREMENT, AND PADLOCKABLE LOCK OFF DEVICE AT HANDLE. REPLACE EXISTING BREAKER, RECONNECT TO EXISTING WIRING.
- ⑥ EXISTING 2-1/2" WITH 3/4" O + 1/4" GROUND. TO REMAIN.
- ⑦ NEW 2-1/2" WITH 3/4" O + 1/4" GROUND.
- ⑧ 2" - 4" + 1/4" GROUND.
- ⑨ 120A MAX AT PHASE C WAS RECORDED DURING SITE VISIT ON NOVEMBER 17, 2020. FOR REFERENCE ONLY.

120/208										PHASE 3 WIRE			BREAKER A.M.P.		
A. BUSSING										100			MAIN BREAKER		
CIRCUIT										EXISTING			SURFACE		
30										AUD-P			M.M. ENCL. OVER A. WITH		
(4) PANEL										AUD-P			MOUNTING		
CIR	BRK	PHASE	LOAD (VA)	DESCRIPTION	DESCRIPTION	PHASE	LOAD (VA)	BRK	PHASE	NO.					
1	A	B	C			A	B	C							
1	20	1	1000	CONTROL BOOTH RECEPTACLES	PROJECTOR	700	700	20	1	2					
3			720	AUTODIURN RECEPTACLES	PROJECTOR SCREEN		700			4					
5			720	SPARE	2F RECEPTACLES					4					
7					FLWC CONTROL					6					
9					ROOF RH FAN		1200			8					
11					STAKE ROOM FLOOR RECEPTACLE		1000			10					
13										12					
15					SOUND RACK		1000			14					
17										16					
19	60		1400		EDU-3, 1.3AKA					18					
21			1125	DINMERS PANEL FOLD			100			20					
23					700.3 ON ROOF		760			22					
25	100		665	MAIN BREAKER						24					
27										26					
29										28					
31										30					
TOTAL C.A. = 5400										VA. PHASE B = 5305			PHASE C = 3797		
TOTAL CONNECTED (14492										VA + 20% LCL (808			VA = 15300		
										VA (42			AMP)		

277/480	VOLTS	3	PHASE	4	WIRE	BREAKER A.I.C.
A. BUSSING	125	A. MAIN BREAKER				MAX. ENCL. DEPTH & WIDTH
CIRCUIT						SURFACE MOUNTING
S.D.						
<div style="text-align: center;"> (3) PANEL EXISTING AUD-L </div>						

CR	BRK	LOAD (VA)	DESCRIPTION	LOAD (VA)	BRK	CR
NO.	NO.	PHASE		PHASE	NO.	NO.
1	2	3	4	5	6	7
1	2050	1	LIGHTS, CONTROL RM		2	1
3	1		EXTR. SENS.		4	1
5	3		SPARE		6	4
7	20		TRANSFORMER, T4LD-1*	5400	8	4
9	300		2ND FLOOR LIGHTS		10	8
11	60		OWNER PANEL, #101	3787	12	9
13	3				14	10
15	665				16	12
17	1				18	14
19	18				20	16
21	20				22	18
23	22				24	20
25	24				26	22
27	26				28	24
29	28				30	26
31	30				32	28
33	32				34	30
35	34				36	32
37	36				38	34
39	38				40	36
41	40				42	38
43	42				44	40
45	44				46	42
47	46				48	44
49	48				50	46
51	50				52	48
53	52				54	50
55	54				56	52
57	56				58	54
59	58				60	56
61	60				62	58
63	62				64	60
65	64				66	62
67	66				68	64
69	68				70	66
71	70				72	68
73	72				74	70
75	74				76	72
77	76				78	74
79	78				80	76
81	80				82	78
83	82				84	80
85	84				86	82
87	86				88	84
89	88				90	86
91	90				92	88
93	92				94	90
95	94				96	92
97	96				98	94
99	98				100	96
101	100				102	98
103	102				104	100
105	104				106	102
107	106				108	104
109	108				110	106
111	110				112	108
113	112				114	110
115	114				116	112
117	116				118	114
119	118				120	116
121	120				122	118
123	122				124	120
125	124				126	122
127	126				128	124
129	128				130	126
131	130				132	128
133	132				134	130
135	134				136	132
137	136				138	134
139	138				140	136
141	140				142	138
143	142				144	140
145	144				146	142
147	146				148	144
149	148				150	146
151	150				152	148
153	152				154	150
155	154				156	152
157	156				158	154
159	158				160	156
161	160				162	158
163	162				164	16

- (1) EXISTING BREAKERS.
- (2) PROVIDE NEW BREAKERS IN EXISTING SPACE.
- (3) PROVIDE NEW TYPEWRITTEN CIRCUIT DIRECTORY IN PANEL.

<div> <div>Drawing Title</div> <div>LINE DIAGRAM</div> </div>	<div>Project Title</div> <div>BUILDING 24 SEISMIC CORRECTION AND ADDITION</div>	<div>Project Number</div> <div>570-215</div>	<div> <div>Office of Construction and Facilities Management</div> <div>Department of Veterans Affairs</div> </div>
	<div>Location</div> <div>VAMC FRESNO, CA</div>	<div>Building Number</div> <div>24</div>	
	<div>Date</div> <div>March 12, 2018</div>	<div>Drawing Number</div> <div>ES003</div>	
	<div>Checked</div> <div>PK</div>	<div>Dram</div> <div>PK/LS</div>	
<div>Approved Project Director</div>	<div>Dwg. 183 of 180</div>		

