PANEL '(N)'K'' — TYPE: NQO — BUS: 225A — VOLTAGE & PHASE: 120/208V. 3Φ 4W — TRIM: SURFACE — MAIN: MLO

CKT NO	BREAKER AMP	BREAKER PL	CIRCUIT WATTAGE ØA	CIRCUIT WATTAGE ØB	CIRCUIT WATTAGE ØC	TYPE OF LOAD WATTS LITES	PLUGS	SPECIAL	MOTORS F.L. AMP	REMARKS
1	20	1	1200							PLATFORM
2			350							DRESSING RMS.
3				1400						PLATFORM
4				900						OUTLETS BRACKETS
5					1800					PLAT MECH & STOR. RM.
6					800					SPARE
7			500							↓
8			500							
9				900						PLATFORM
10				180						DRESSING ROOM
11					1050					PLATFORM & MECH. RM.
12					720					ORCHESTRA
13			1080							LIGHTRMS MECH. RM.
14			480							PROJECTOR OUTLETS
15				500						FLOOR
16				400						EXIT LIGHTS
17					900					CORRIDOR LTS.
18					720					FURNACE F-1A
19			500							↓
20	↓	↓	500							
21	30	1		2000						AC INVERTER
22	70	2	16080							SUB FEED PNL 'EC'
23	—	—		6440						
24	—	—			16760					
25	20	1	500							SPARE
26			200							↓
27				500						
28				500						
29					500					
30	↓	↓			500					
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
TOTAL	WATTS		10290	14176	16354					
TOTAL	AMPS			118						

CONDUIT: 2"C — WIRE: 4#1 AWG CU

PANEL 'E' — TYPE: NQO — BUS: 100A — VOLTAGE & PHASE: 120/208Y 3Φ 4W — TRIM: RECESSED — MAIN: 100/3

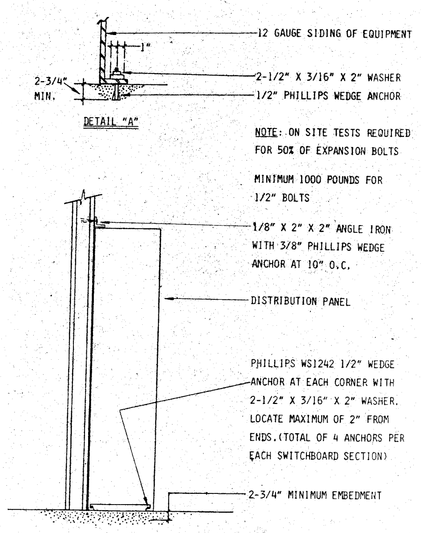
CKT NO	BREAKER AMP	BREAKER PL	CIRCUIT WATTAGE ØA	CIRCUIT WATTAGE ØB	CIRCUIT WATTAGE ØC	TYPE OF LOAD WATTS LITES	PLUGS	SPECIAL	MOTORS F.L. AMP	REMARKS
1	20	1	540			12				CLASSROOM 113
2			700			10				CLASSROOM 112
3				540		12				CLASSROOM 113
4				540		12				CLASSROOM 112
5					720	12				CLASSROOM 111
6					540	4				CORRIDOR 110
7			540			12				CLASSROOM 111
8			720				4			
9				540			2			
10				360			2			
11					540		3			
12					360		2			
13			360				2			
14			360				2			
15				500			1			
16				500						SOUND SYSTEM
17					500					SPARE
18					500					
19			500							↓
20			500							
21	↓	↓		500						
22	40	2	3000							WATER HEATER WH-2
23	—	—		3000						
24	—	—			3000					
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
TOTAL	WATTS		7020	7080	10160					
TOTAL	AMPS		68A							

CONDUIT: 1½"C — WIRE: 4#2 AWG CU.

PANEL '(N)'EC'' — TYPE: NQO — BUS: 100A — VOLTAGE & PHASE: 120/208Y 3Φ 4W — TRIM: RECESSED — MAIN: 70/3

CKT NO	BREAKER AMP	BREAKER PL	CIRCUIT WATTAGE ØA	CIRCUIT WATTAGE ØB	CIRCUIT WATTAGE ØC	TYPE OF LOAD WATTS LITES	PLUGS	SPECIAL	MOTORS F.L. AMP	REMARKS
1	20	1	660			8				SOUND CONTROL LTS
2			540				3			SOUND CONTROL OUTLETS
3				600			1		½ HP	EDF
4				300			1			SOUND RACK
5					600		1		½ H.P.	EDF
6					360		½			LOBBY OUTLETS
7			1020							SPOT LTS
8			300							EF-1, 9A & 9B
9				1000						SPOT LTS
10				1440					5.8	ELEC. PAN EF-6
11	↓	↓			1440				5.8	FURNACE 2B & 3
12	40	1			2160				18.0	PAN COIL AC-1
13			600							SPARE
14			300							↓
15				500						
16				500						
17	↓	↓			300					
18	50	2	12975							SUB FEED PNL 2C-1
19	—	—		2650						
20	—	—			2650					
TOTAL	WATTS		16080	6440	6760					
TOTAL	AMPS				56					

CONDUIT: 1½"C — WIRE: 4#4



SWBD. WT. 800 POUNDS

SWBD ATTACHMENT DETAIL

N.T.S. — 3/E7

PANEL '(N)'MP'' — TYPE: NQO — BUS: 225A — VOLTAGE & PHASE: 208Y. 3Φ. 3W — TRIM: SURFACE — MAIN: 200/3

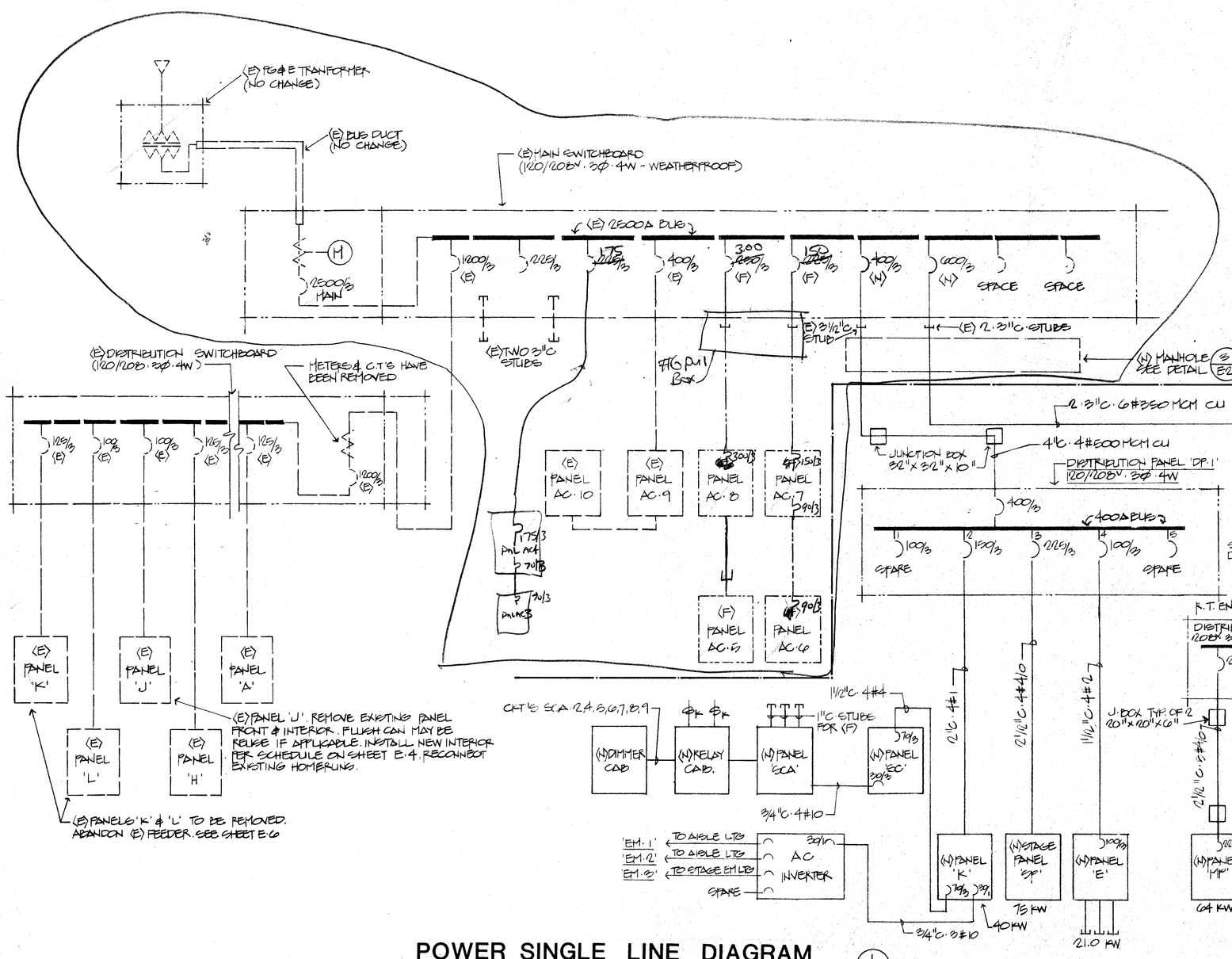
CKT NO	BREAKER AMP	BREAKER PL	CIRCUIT WATTAGE ØA	CIRCUIT WATTAGE ØB	CIRCUIT WATTAGE ØC	TYPE OF LOAD WATTS LITES	PLUGS	SPECIAL	MOTORS F.L. AMP	REMARKS
1	125	3	9360						72	AIR HANDLER AH-1
2	—	—		9360					—	
3	—	—			9360				—	
4	100	3	12190						110	AIR HANDLER AH-2
5	—	—		12190					—	
6	—	—			12190				—	
7	50	3	20250						250	AIR HANDLER AH-3
8	—	—		20250					—	
9	—	—			20250				—	
10	40	3	21350						170	HEATING & COOLING 1
11	—	—		21350					—	
12	—	—			21350				—	
13	75	3	57112						417	HEATING & COOLING 2
14	—	—		57112					—	
15	—	—			57112				—	
16	60	3	34062						207	HEATING & COOLING 3A
17	—	—		34062					—	
18	—	—			34062				—	
19	60	3	34062						207	HEATING & COOLING 3B
20	—	—		34062					—	
21	—	—			34062				—	
22	20	3	1500							SPARE
23	—	—		1500						
24	—	—			1500					
25	60	3	1500							
26	—	—		1500						
27	—	—			1500					
28	20	1	1500							
29	—	—		1500						
30	—	—			1500					
TOTAL	WATTS		214 11	214 11	214 11					
TOTAL	AMPS			179						

CONDUIT: 2½"C — WIRE: 3#4/0 AWG CU.

PANEL 'SCA' — TYPE: LOAD CENTER — BUS: 100A — VOLTAGE & PHASE: 120/208Y. 3Φ. 4W — TRIM: SURFACE — MAIN: MLO

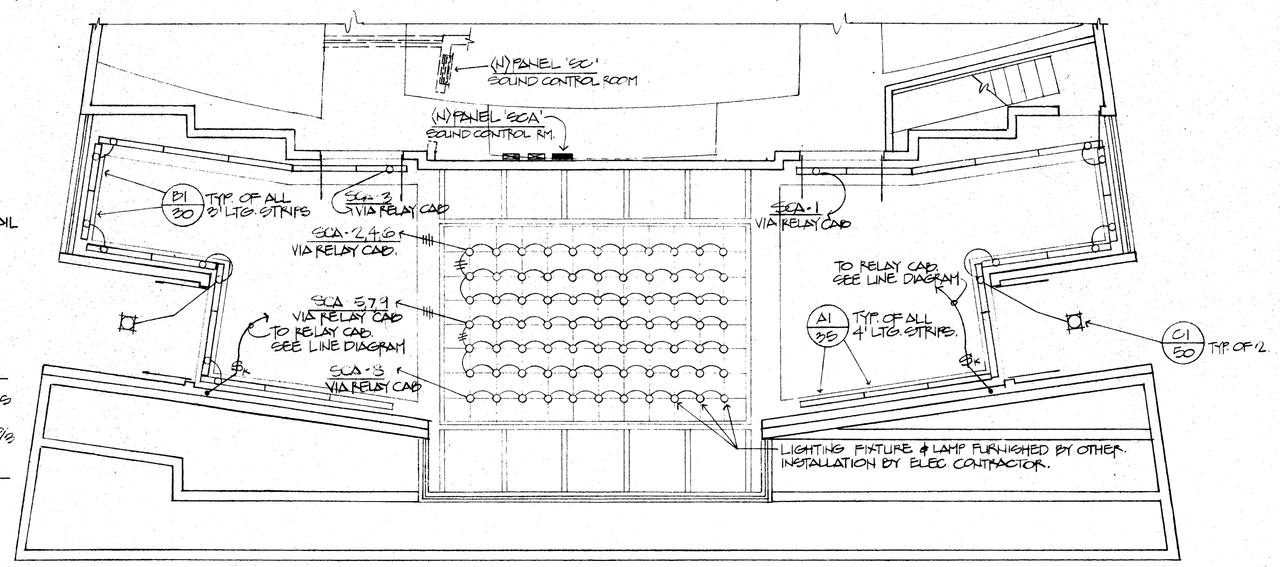
CKT NO	BREAKER AMP	BREAKER PL	CIRCUIT WATTAGE ØA	CIRCUIT WATTAGE ØB	CIRCUIT WATTAGE ØC	TYPE OF LOAD WATTS LITES	PLUGS	SPECIAL	MOTORS F.L. AMP	REMARKS
1	20	1	500			14				COVE LTG
2			825			11				FANCY LTG
3				500		14				COVE LTG
4				825		11				FANCY LTG
5					825					
6					825					
7			825							
8			825							
9				825						↓
10				500						SPARE
11					500					↓
12	↓	↓			500					
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
TOTAL	WATTS		1375	1650	1650					
TOTAL	AMPS		25							

CONDUIT: 3¼"C — WIRE: 4#10



POWER SINGLE LINE DIAGRAM

NOT TO SCALE — 1/E7



BUILDING 1
PARTIAL FLOOR PLAN LIGHTING

SCALE: 3/16" = 1'-0" — 4/E7

ALTERNATE 1

approved

ELECTRICAL ENGINEER

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P/L, SCHEDULES, PWR. ONE LINE DIAGRAM & BLDG #1 PARTIAL LTG.

BLAIR LEARNING CENTER RECONSTRUCTION

900 belle terrace, bakersfield, california

job 85-102

date 3 OCT 1986

sheet E7

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