

LIGHTING FIXTURE SCHEDULE

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NO.	VOLTAGE	MAX. VA.	LAMPING	MOUNTING	DESCRIPTION
A		SHAPER	697-WP-CFL/126-120V-BK	120	28	(1)26W CFL	WALL	WALL MOUNTED HOOD DOWNLIGHT, WET LOCATION RATED
AE		SHAPER	697-WP-CFL/126-120V-BK WITH REMOTE EMERGENCY BATTERY BACKUP	120	28	(1)26W CFL	WALL	WALL MOUNTED HOOD DOWNLIGHT, WET LOCATION RATED W/ REMOTE EMERG. BATTERY BACKUP MINIMUM 90 MINUTE 1100 LUMEN
B		PROGRESS	P5675-31-P8799-31	120	150	(2)75W PAR-30	WALL	5" UP/DOWN WALL MOUNTED CYLINDER, WET LOCATION RATED (WITH TOP LENS COVER)
CE		HE WILLIAMS	PHSQ80-226T-EB-FF-EM	120	55	(2)26W CFL	FLUSH	SQUARE RECESSED DOWNLIGHT, DAMP LOCATION RATED W/ EMERGENCY BATTERY BACKUP MINIMUM 90 MINUTE 750 LUMEN
D		LITHONIA	2RT8B-232-MVOLT-BSNP	120	62	(2)32W T8	RECESSED	2X4 DIRECT/INDIRECT TROFFER WITH STEP-DIMMING BALLAST
E1		LITHONIA	11602-32-120-GEB10RS	120	62	(2)32W T8	SURFACE	1'x4' FLUORESCENT WRAP, DAMP LOCATION RATED
E2		LITHONIA	11602-32-120-GEB10RS	120	124	(4)32W T8 (2-LAMP CROSS-SECTION) -EL14 WHERE INDICATED W/ 'EM'	SURFACE	1'x8' FLUORESCENT WRAP (TWO 1'x4' SECTIONS), DAMP LOCATION RATED W/ EMERGENCY BATTERY PACK FOR 'EM' FIXTURES
E3		LITHONIA	CS-1-32-120-GEB10PS	120	32	(1)32W T8	SURFACE	4' WRAP
F		LITHONIA	CA-1-32-AR-MVOLT-GEB10PS	120	32	(1)32W T8	WALL	4' WRAP
G1		HALO	H280E-406WB	120	21	(1)18W CFL	FLUSH	6" RECESSED DOWNLIGHT WITH VERTICAL LAMP
G2		HALO	H280EICAT-406WB	120	21	(1)18W CFL	FLUSH	6" RECESSED DOWNLIGHT WITH VERTICAL LAMP, WITH IC HOUSING
H		LIGHTOLIER	5241WH239U	120	70	(2)39W CFL	SURFACE	SURFACE DRUM
J1		BORDEN	318-24-CF4/32 PAR 20-120-SAL-XX	120	202	(4)32W CFL AND (1)50W PAR-20	PENDANT	24" DIA. SUSPENDED DIRECT/INDIRECT BOWL WITH DOWNLIGHT *PENDANT LENGTH BY ARCHITECT
J2		BORDEN	318-40-CF4/57 PAR 30-120-SAL-(DIM)-* (ADVANCE MARK 10 BALLAST)	120	339	(4)57W CFL AND (1)75W PAR-30	PENDANT	40" DIA. DIRECT/INDIRECT SUSPENDED BOWL & DOWN LIGHT W/ ADVANCE MARK 10 DIMMING BALLAST *PENDANT LENGTH BY ARCHITECT
K		SHAPER	653-CFL/2/32-120-NA	120	69	(2)32W CFL	WALL	WALL MOUNTED UP/DOWN CYLINDER
L		KENALL	AUCSD-1-MW-50-RS-120-CS	120	32	(1)32W T8	SURFACE	4' UNDERCABINET
M		BORDEN	574-24-2-T5/14-120-MW	120	34	(2)14W T5	WALL	2' VANITY LIGHT
N		COOPER	AEL1SD-WH-SD	120	1	(1)6W XENON	WALL	EMERGENCY LIGHT WITH SELF DIAGNOSTICS AND BATTERY BACKUP MINIMUM 90 MINUTE 330 LUMEN
X1		COOPER	CAX7-1-70-R-W SD	120	10	LED	SURFACE	SINGLE SIDED EXIT SIGN WITH SELF DIAGNOSTICS

SEE NOTE	200A,120/240V,1Ø, 3W, MLO	(E) PANEL	SURFACE MOUNT, NEMA	SEE NOTE					
	(30) FULL SIZE _____ CB SPACES	L1	LOCATION: LAUNDRY BLDG.						
			WITH EQUIPT GND BUS						
CKT #	DESCRIPTION	AMP CB # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB # POLE	DESCRIPTION	CKT #
8	1 RECEPTACLES	20 1		360	12	20 1		(N) RECEPTACLES- SHOP	2
8	3 RECEPTACLES	20 1		540		360	20 1	LIGHTS- INTERIOR	4
8	5 RECEPTACLES	20 1		360		60	20 1	LIGHTS- EXTERIOR	6
8	7 RECEPTACLES	20 1		360		1000	20 1	RECEPTACLES- WASHER	8
8	9 RECEPTACLES	20 1		630		100	20 1	RECEPTACLES- WASHER	10
8	11 RECEPTACLES EXTERIOR	20 1		180		1000	20 1	RECEPTACLES- WASHER	12
8	13 PUMP	20 1		630		100	20 1	IRRIGATION CONTROLLER	14
9	15 (N) RECEPTACLES- SHOP	20 1	12	540			20 1	SPARE	16
8	17 WATER HEATER	30		2000			20 1	SPARE	18
8	19 "	2		2000			20 1	SPARE	20
8	21 DRYER	40		3600		3600	40	DRYER	22
8	23 "	2		3600		3600	2	"	24
8	25 SPACE			248			12 20 1	(N) LIGHTS - SHOP	26
1,4,7	27 (N) M - EH-1	20 1	12	750		750	12 20 1	(N) M - EH-1	28
1,4,7	29 "	2	12	750		750	2	"	30
CONNECTED LOAD (VA) =				13728	14850				
25% OF CONTINUOUS LOAD =				437	553				
TOTAL (VA) =				14165	15403				
TOTAL + 120 VOLT =				118 A	128 A				

LIGHTING FIXTURE SCHEDULE NOTES

- ILLUSTRATIONS AND/OR DIMENSIONS ARE APPROXIMATIONS ONLY INTENDED TO REPRESENT BASIC FIXTURE TYPE; DO NOT USE AS EXACT INFORMATION SOURCE. REFER TO MANUFACTURER CUT SHEETS.
- EXACT LOCATIONS: BEFORE CONSTRUCTION, VERIFY WITH ARCHITECT EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES. SEE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS AS APPLICABLE.
- FIXTURE BRANCH CIRCUIT THROUGH-WIRING: VERIFY AND COMPLY WITH FIXTURE MANUFACTURER RESTRICTIONS AS DETERMINED BY UL & NEC.
- ALL STRAIGHT FLUORESCENT LAMPS SHALL BE SP35 OR EQUAL.
- ALL COMPACT FLUORESCENT LAMPS SHALL BE SPX35 OR EQUAL.
- ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC.
- FURNISH OWNER WITH (1) SPARE CASE OF EACH TYPE OF LAMP SPECIFIED ON SCHEDULE.
- VERIFY CEILING TYPES/FINISHES FOR ALL RECESSED FIXTURES PRIOR TO FORWARDING SUBMITTALS.
- ALL FLAT PRISMATIC LENSES IN FLUORESCENT FIXTURES SHALL BE MINIMUM .125" THICK.
- BALLASTS AND LAMPS SHALL BE COMPATIBLE FOR THE APPLICATION IN WHICH THEY ARE BEING USED FOR THIS PROJECT. EACH BALLAST SHALL BE COMPATIBLE WITH THE CONTROL DEVICES USED FOR THIS JOB.
- FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST SHALL BE PROVIDED WITH A FACTORY INSTALLED, INTERNAL, DISCONNECTING MEANS (SWITCH OR CONNECTOR), WHICH MEETS THE REQUIREMENTS OF 2007 CEC ARTICLE 410.73(G).
- FLUORESCENT DIMMING: PROVIDE LUTRON HI-LUME SERIES DIMMING BALLASTS AND LUTRON NOVA SERIES DIMMERS. PROVIDE BOTH "HOT" AND "DIMMED HOT" CONDUCTORS FROM DIMMER TO EACH BALLAST PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

SEE NOTE	225A,120/240V,1Ø, 3W	(N) PANEL	SURFACE MOUNT, NEMA 1	SEE NOTE					
	30 FULL SIZE BOLTON CB SPACES	L2A	LOCATION: ELECTRIC ROOM						
	18K AIC PANEL & BRANCH CB'S		WITH EQUIPT GND BUS						
CKT #	DESCRIPTION	AMP CB # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB # POLE	DESCRIPTION	CKT #
1	R - MECH & ELEC RMS, RESTRMS & M - WH-1	20 1		1180		900	12 20 1	R - CLASSROOM	2
3	R - CONSELING OFFICE	20 1		1080		900	12 20 1	R - MULTI-PURPOSE & CLASSROOM	4
5	R - OFFICE	20 1		1080		900	12 20 1	R - MULTI-PURPOSE & CLASSROOM	6
7	R - LAUNDRY & MULTI-PURPOSE	20 1		1080		1500	12 20 1	R - KITCHEN CONVENIENCE	8
9	K - REFRIGERATOR	20 1		1200		1500	12 20 1	R - KITCHEN CONVENIENCE	10
11	K - DISHWASHER	20 1		1500		1356	12 20 1	L - MULTI-PURPOSE RM (PENDANTS)	12
13	K - RANGE & HOOD	20 1		1500		423	12 20 1	L - MULTI-PURPOSE RM, HALLS, & WAITING	14
15	M - FIRE SPRINKLER BELL	20 1		200		1208	12 20 1	L - MISC. ROOMS	16
17	M - 'FACP'	20 1		200		360	12 20 1	M - 'TB'	18
19	SPARE	20 1		450			12 20 1	L - (E) SITE LIGHTING	20
1,3	21 L - EXT. BLDG. MOUNT & TIME SWITCH 'TS2'	20 1		500		975	12 20 1	L - (E) SITE LIGHTING	22
23	E - WASHER	20 1		1500		1500	12 20 1	E - DRYER (GAS)	24
25	E - WASHER	20 1		1500		1500	12 20 1	E - DRYER (GAS)	26
27	E - WASHER	20 1		1500		1500	12 20 1	E - DRYER (GAS)	28
29	M - IRRIGATION CONTROLLER	20 1		200			12 20 1	SPARE	30
CONNECTED LOAD (VA) =				13918	15274				
25% OF CONTINUOUS LOAD =				475	754				
TOTAL (VA) =				14393	16028				
TOTAL + 120 VOLT =				120 A	134 A				

SEE NOTE	225A,120/240V,1Ø, 3W	(N) PANEL	SURFACE MOUNT, NEMA 1	SEE NOTE					
	30 FULL SIZE BOLTON CB SPACES	L2B	LOCATION: ELECTRIC ROOM						
	18K AIC PANEL & BRANCH CB'S		WITH EQUIPT GND BUS						
CKT #	DESCRIPTION	AMP CB # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB # POLE	DESCRIPTION	CKT #
4	1 M - AC-1	70 2		6324		6324	20 1	SPARE	2
4	3 "	2		6324		6324	20 1	SPARE	4
4	5 M - AC-2	45 2		4404		4404	20 1	SPARE	6
4	7 "	2		4404		200	12 20 1	M - EF-1	8
4	9 M - AC-3	60 2		5460		3500	8 40 1	M - WH-2	10
4	11 "	2		5460			20 1	SPARE	12
13	SPARE	20 1					20 1	SPARE	14
15	SPARE	20 1					20 1	SPARE	16
17	SPARE	20 1					20 1	SPARE	18
19	SPARE	20 1					20 1	SPARE	20
21	SPACE						20 1	SPACE	22
23	SPACE						20 1	SPACE	24
25	SPACE						20 1	SPACE	26
27	SPACE						20 1	SPACE	28
29	SPACE						20 1	SPACE	30
CONNECTED LOAD (VA) =				19688	16388				
25% OF CONTINUOUS LOAD =				0	0				
TOTAL (VA) =				19688	16388				
TOTAL + 120 VOLT =				164 A	137 A				

PANEL SCHEDULE NOTES

- LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL. FEEDER CALCULATED AT 125% OF TOTAL CONNECTED LOAD.
- SEE SINGLE LINE DIAGRAM FOR CIRCUIT BREAKER AND/OR CONDUCTOR SIZE.
- ROUTE BRANCH CIRCUIT THROUGH TIME SWITCH.
- VERIFY LOAD, CB AND CONDUCTOR SIZE WITH EQUIPMENT.
- SMALL APPLIANCE CIRCUIT.
- PROVIDE CIRCUIT BREAKER WITH "LOCKED-ON" DEVICE.
- NEW BREAKER LOAD. BREAKER TO BE SAME MAKE/MODEL/AIC AS EXISTING.
- EXISTING BREAKER/LOAD. (NO CHANGE)
- NEW LOAD ON EXISTING SPARE BREAKER.

CIRCUIT DESCRIPTION	DEMAND LOAD	TYPE	IDENTIFIER
L = LIGHTING	E = EQUIPMENT	R = RECEPTACLE	
K = KITCHEN (FOOD SERVICE)	M = MECHANICAL OR MISC.		

PROJECT

ACCESSIBILITY IMPROVEMENTS

ROLLING HILLS APARTMENTS

TEMPLETON, CA

CLIENT JOB # ARCHITECT JOB #
0708B

FRASER SEIPLE ARCHITECTS

PROJECT MANAGER JT

DRAWN BY DM

DATES FIRST SUBMITTAL 5/28/10
PLAN CHECK 1 8/16/10

SIGNED
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SHEET TITLE

ELECTRICAL SCHEDULES

SHEET #

E0.3