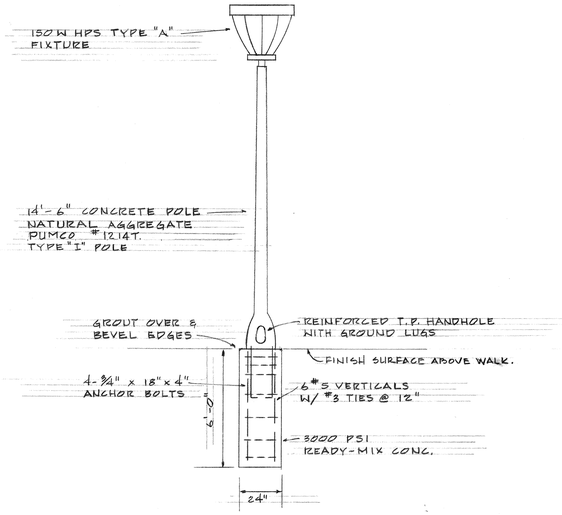
TABLE OF SYMBOLS

MTG. HT.	SYMBOL	DESCRIPTION
+4'	S	TOGGLE SWITCH, 1P1T, 2P-S2, 3P-S3.
	⊗	EXISTING LIGHT FIXTURE & STANDARD.
	○□	NEW AREALIGHT FIXTURE & STANDARD. SEE TYPE "B" FIXTURE
	○	NEW AREALIGHT FIXTURE & STANDARD. SEE TYPE "A" FIXTURE
	○—○	NEW PARKING LOT FIXTURE & STANDARD. SEE TYPE "D" FIXTURE.
	⊖—x	EXISTING RECEPTACLE
	⬡	CONCRETE PULL BOX; BROOKS PROD. CO. #SPB W/11" EXT.
	□	PEDESTAL CARNIVAL OUTLET
+80" TO TOP	PANEL	PANELBOARD
	———	CONDUIT RUN CONCEALED IN WALLS OR CEILING
	— — —	CONDUIT RUN UNDERFLOOR OR UNDERGROUND
	A-1,3	HOME RUN TO PANEL "A" AS INDICATED.
	⫽	½" C., 2 OR 3 #12
	⫽ #10	¾" C., 4,5, OR 6 #12
	⫽ #10	1" C., 5, 6 OR 7 #10
	—X—	EXISTING CONDUIT RUN
	———	STUB OUT
	ⓕ-	FEEDER DESIGNATION. FEEDER NO. 1 INDICATED
	ϕA	PHASE DESIGNATION. PHASE "A" INDICATED
	M.H.	MOUNTING HEIGHT
	C.O.	CONDUIT ONLY
	UNO	UNLESS NOTED OTHERWISE
	G	GROUND
	W.P.	WEATHERPROOF
	X	EXISTING
	R	REMOVE
	XM	EXISTING TO BE MOVED

FIXTURE SCHEDULE

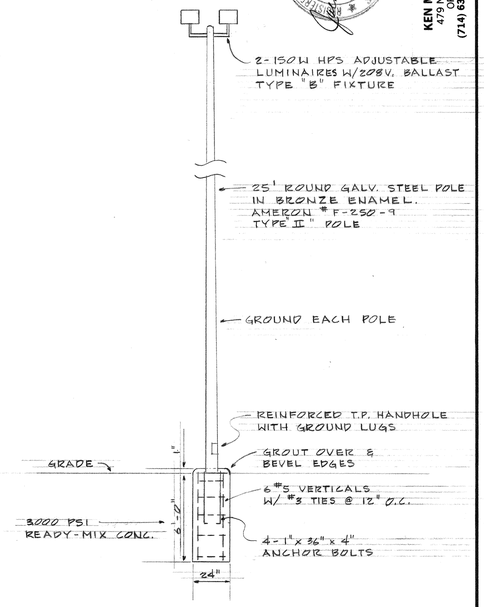
TYPE	DESCRIPTION	LAMPS	MFR. & CAT. NO.
A	CAST ALUMINUM SHIELDED FINNED SECURITY LIGHT STANDARD; POLYCARBONATE LENS, BRONZE FINISH ON 15' POLE.	150 W HPS	MWC #HB-150LU-208-BZ
B	RECTANGULAR CAST ALUMINUM HOUSING HIGH IMPACT LENS, SHARP CUTOFF WEATHERPROOF DOOR, VANDAL SHIELD	150 W HPS	McGRAW EDISON #FR 1835-208
C	CAST ALUMINUM SHIELDED FINNED SECURITY LIGHT STANDARD; POLYCARBONATE LENS, BRONZE FINISH. ON EXIST POLES.	150W HPS	MWC #HB-150LU-208-BZ
D	SINGLE OR DUAL COBRA HEAD PARKING LOT FIXT. W/ 208 V. INTEGRAL WP HPF BALLAST, PAINTED GRAY FINISH; IMPACT RESISTANT LENS	1 OR 2 400W HIGH PRESSURE SODIUM	G.E. #C797N710 W/C402G660 PHOTOCELL PHOTOCELL CONTROLLED.
E	RECTANGULAR CAST ALUMINUM HOUSING HIGH IMPACT LENS, SHARP CUTOFF WEATHERPROOF DOOR, VANDAL SHIELD	150 W HPS	Mc GRAW EDISON #FR 1835-208

ALL EXTERIOR FIXTURES SHALL HAVE IN-LINE FUSES.



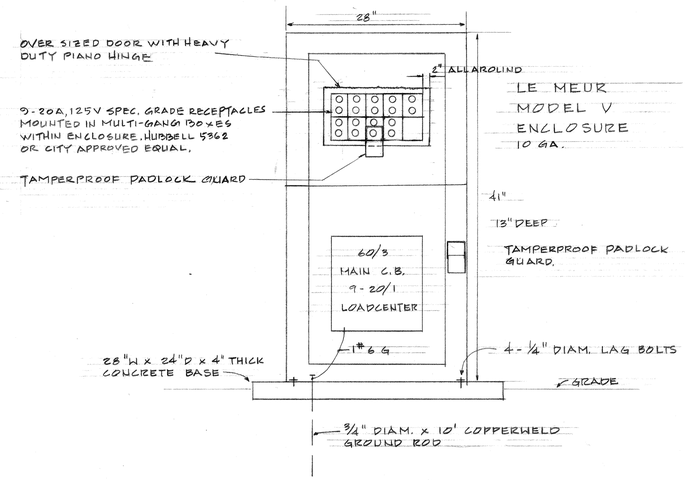
AREALIGHT - TYPE "A"

NO SCALE



TOT LOT SECURITY LIGHT - TYPE "B"

NO SCALE



CARNIVAL OUTLET DETAIL

KEN MATSUOKA E.E. INC.
479 N. Tustin Ave.
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-8617

HUNT PARK - RENICK CENTER

SYMBOLS, FIXTURE SCHEDULE, POLE DETAILS, ELEVATIONS.

city of riverside
park & recreation
department
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522
(714) 787-7223

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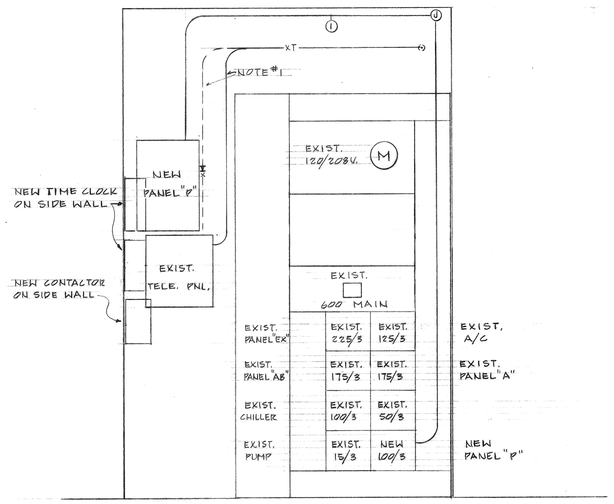
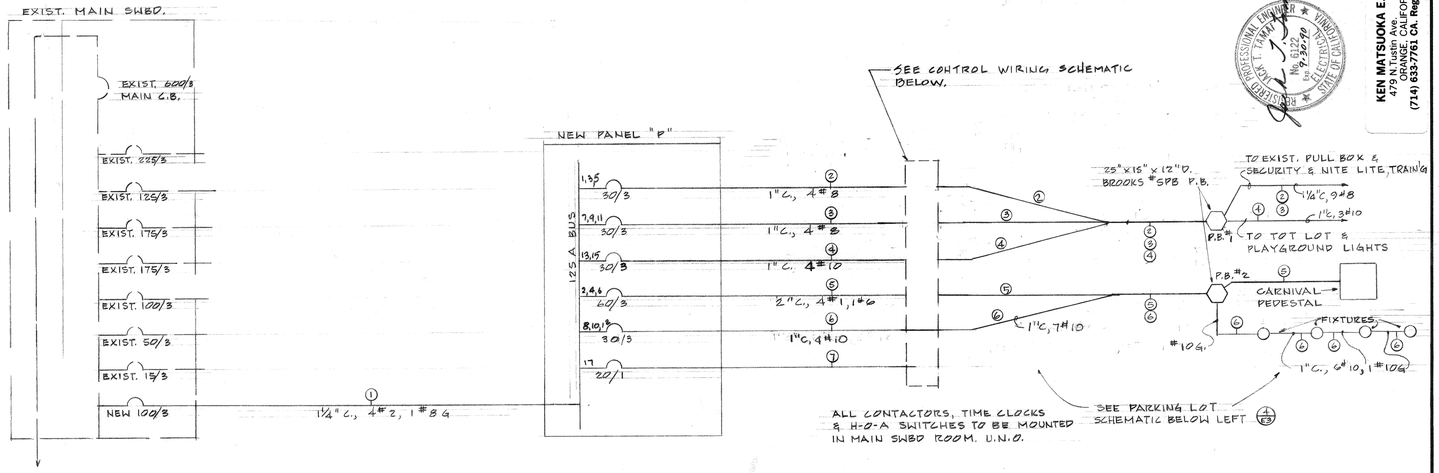


MAIN SWITCHBOARD - RENCK CENTER (1/E3)

SCALE 3/4" = 1'-0"



SINGLE LINE DIAGRAM

KEN MATSUOKA E.E. INC.
479 N. Tustin Ave.
ORANGE, CALIFORNIA
(714) 633-7761 CA. Reg. #E-2617

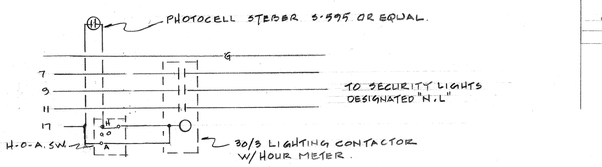
REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — No. 6122 Exp. 9-30-98 — STATE OF CALIFORNIA

NOTES

1. REMOVE EXISTING TELEPHONE CABLE AND MOVE TO NEW LOCATION AS SHOWN. INSTALL NEW JUNCTION BOX AND/OR CABLE IF NECESSARY, TO COMPLETE TASK.
2. SAWCUT CONCRETE SIDEWALK & INSTALL NEW CONDUIT. PATCH TO MATCH SURROUNDING CONCRETE.
3. INSTALL (2) "LB" TYPE CONDULET BODY SUITABLE FOR 2" C., AS MANUFACTURED BY CROUSE HINDS OR APPROVED EQUAL.
4. INSTALL ONE H-O-A SWITCH IN WALL ABOVE FAN & A/C SWITCHES, IN OFFICE AS SHOWN IN DETAIL (2/E3). IF SWITCH CANNOT BE INSTALLED IN WALL, INSTALL IN OFFICE WHERE DIRECTED BY CITY. CUT WALLS AND/OR CEILING WHERE NECESSARY AND PATCH TO MATCH SURROUNDINGS.

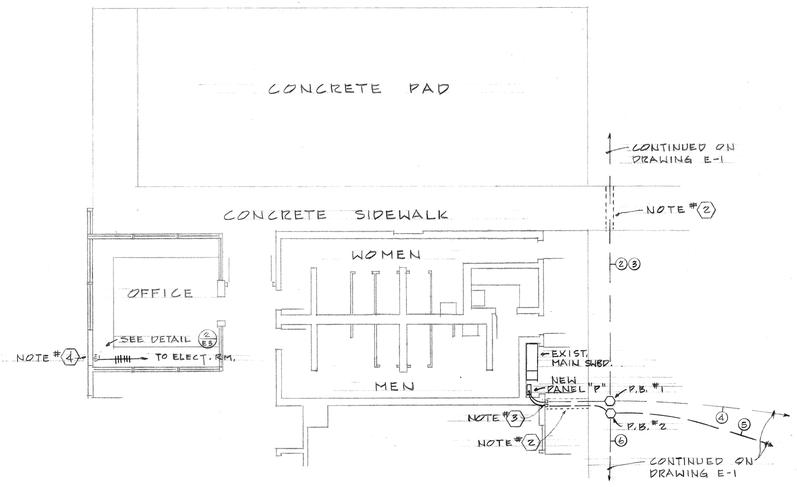
LOAD CALCULATION

EXISTING SERVICE (1985 MAXIMUM DEMAND)	63.6 KW/0.8 = 79.5 KVA
NEW PANEL "P"	22.9 KW/0.8 = 28.6 KVA
TOTAL	86.5 KW/0.8 = 108.1 KVA
	OR 300.3 AMPS @ 120/208V 3Φ



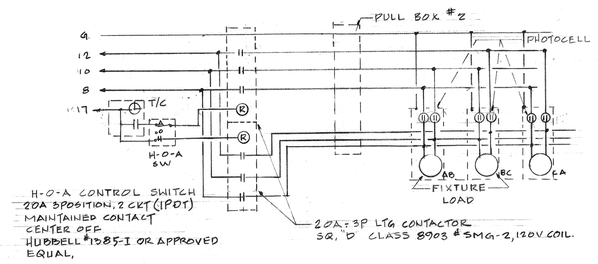
SECURITY (NIGHT LIGHT) CONTROL SCHEMATIC.

NO SCALE



PARTIAL BUILDING PLAN (3/E3)

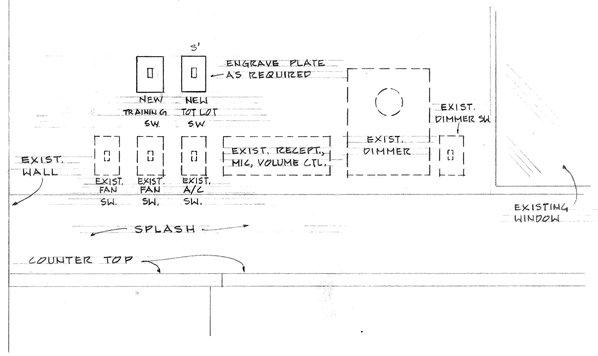
SCALE 1/8" = 1'-0"



PARKING LOT SCHEMATIC (4/E3)

NO SCALE

TOT LOT, SECURITY AND TRAINING AREA LIGHTS CONTROLS SIMILAR TO SCHEMATIC WIRING DIAGRAM ABOVE. PROVIDE SEPARATE TIME CLOCK AND CONTACTORS FOR EACH.



ELEVATION OF SWITCHES - WEST WALL (2/E3)

NO SCALE

VOLTS 120/208 — PHASE 3 — WIRE 4 — PANEL P — LOCATION — FEEDER — MAIN BKR: M.L.O. — 125 A. BUSSING — ENTER CAB'T. AT — SURFACE MTG.

	LOCATION	WATTAGE A	WATTAGE B	WATTAGE C	LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE A	WATTAGE B	WATTAGE C	LOCATION
*	SECURITY LIGHTS	480			8			1	30/3		60/3	2	1			5300			CARNIVAL PEDESTAL
	" "		480					3	—		—	4					5300		" "
	" "			480				5	—		—	6						5300	" "
□	NITE LIGHTS	480			8			7	30/3		30/3	9			1075				PARKING LOT
	" "		480					9	—		—	10			1075				"
	" "			480				11	—		—	12			1075				"
*	PLAYGROUND & TOT LOT	500			8			13	20/3			14							SPACE
	" "		500					15	—			16							"
	" "			500			1	17	—			18							"
	TIME CLOCKS, CONTROL	100			2			19	20/1			20							"
	"							21				22							"
	"							23				24							"
	"							25				26							"
	"							27				28							"
	"							29				30							"
								31				32							
								33				34							
								35				36							
								37				38							
								39				40							
								41				42							

Φ A = 8235 W — Φ B = 7835 W — Φ C = 7835 W

TOTAL CONNECTED LOAD: 23,905 W

L.C.L.: 7605 V 1.25 = 9506 W + 16,300 W = 25,806 W OR 71.7 AMPS

* ON TIME SWITCH, SEE CONTROL SCHEMATIC

□ ON PHOTOCELL, SEE CONTROL SCHEMATIC

HUNT PARK - RENCK CENTER

PANEL SCHEDULE, SINGLE LINE, DETAILS

city of riverside
park & recreation
department
(714) 787-7223
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522

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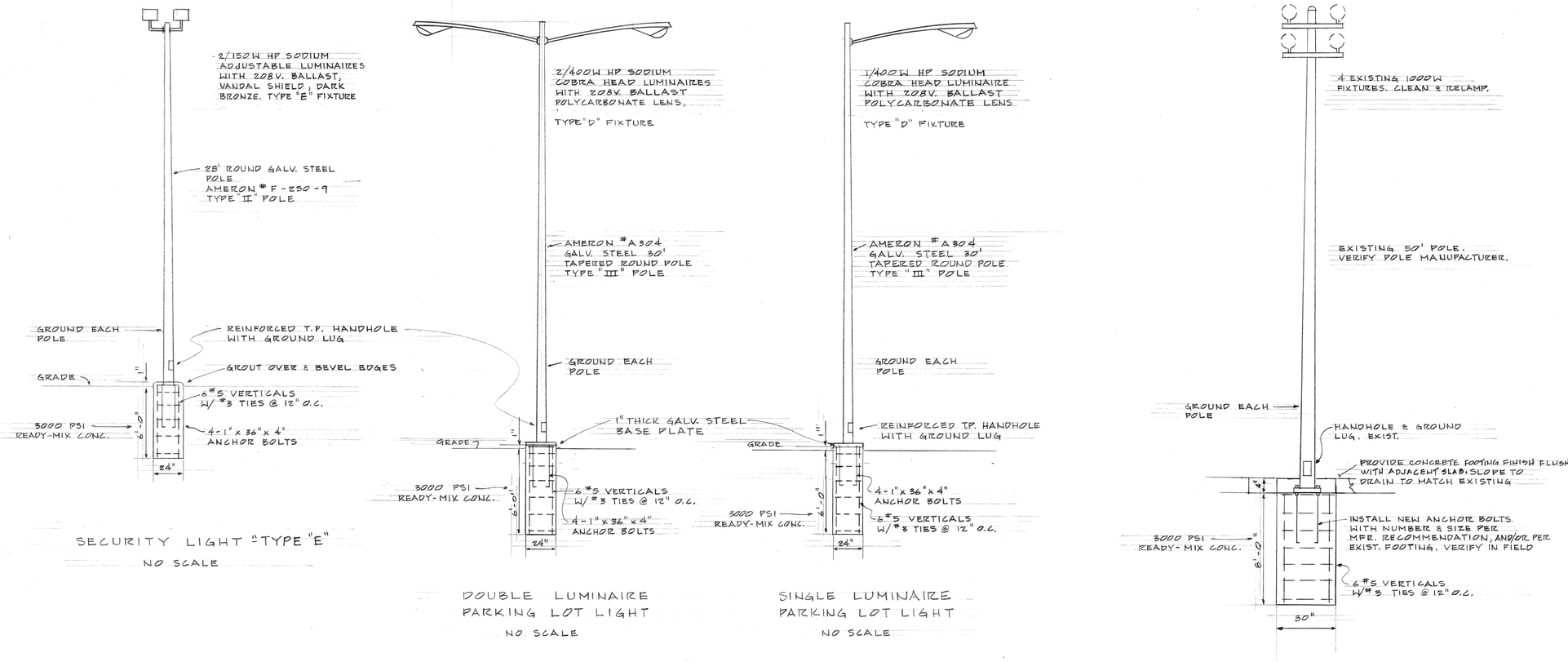
REFERENCE PLAN



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POLE DETAILS

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