

- EXISTING POWER POLE

EXTERIOR

PANEL

J-BOX

1/2"C. W/(2)#10 CU $-\frac{1}{2}$

(N)ELECTRICAL VAULT -

AND (1)#10 GND

(E)HVAC -

PER SMUD

ELECTRICAL ONE-LINE DIAGRAM

REQUIREMENTS

30AMP DISCONNET

NTERIOR 70 AMP LOAD CENTER

AMPS: 74.0

PANEL

Freid Verify AS ALLOWED

EXISTING 100 AMP—

120/240V 1PH, PANEL (TO BE

GUTTED AND REUSED AS

TERMINAL CAN) (1)1"C. W/ (3)#4 CU AND (1)#8 CU. GND AND (1)#6 CU GND -(1)2-1/2'C. W/ (3)250 AL

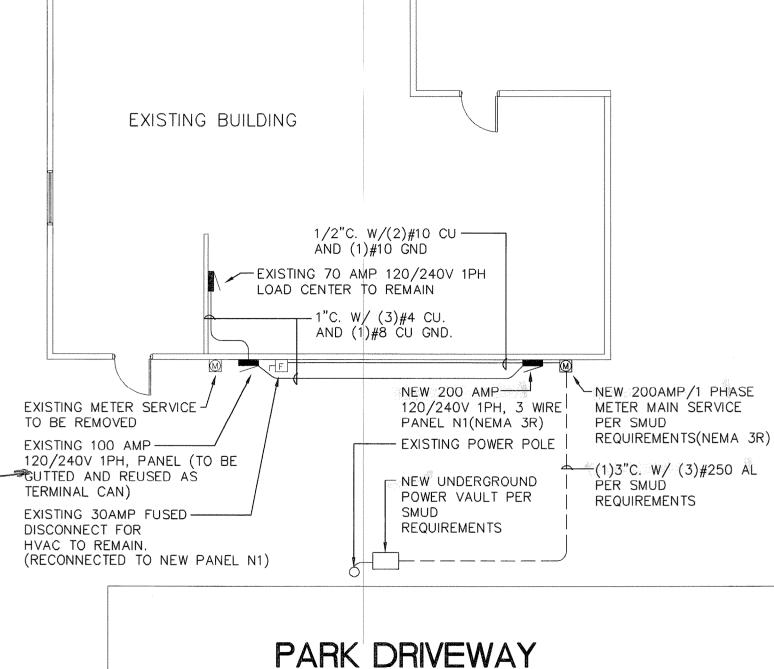
-(N)200AMP/2 FUSABLE METER MAIN

(n)BLDG, COLD WATER/GAS GROUND PER NEC. #4 CU

ELECTRICAL SERVICE UPGRADE

(NEMA 3R)

CARMICHAEL PARK

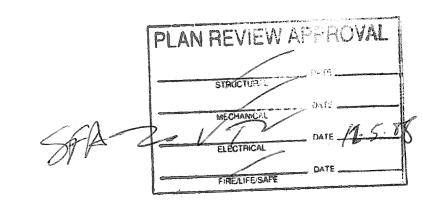


ELECTRICAL SERVICE UPGRADE PLAN

CARMICHAEL PARK

The Electrical Work Shown On These Plans Is SUBJECT TO FIELD APPROVAL

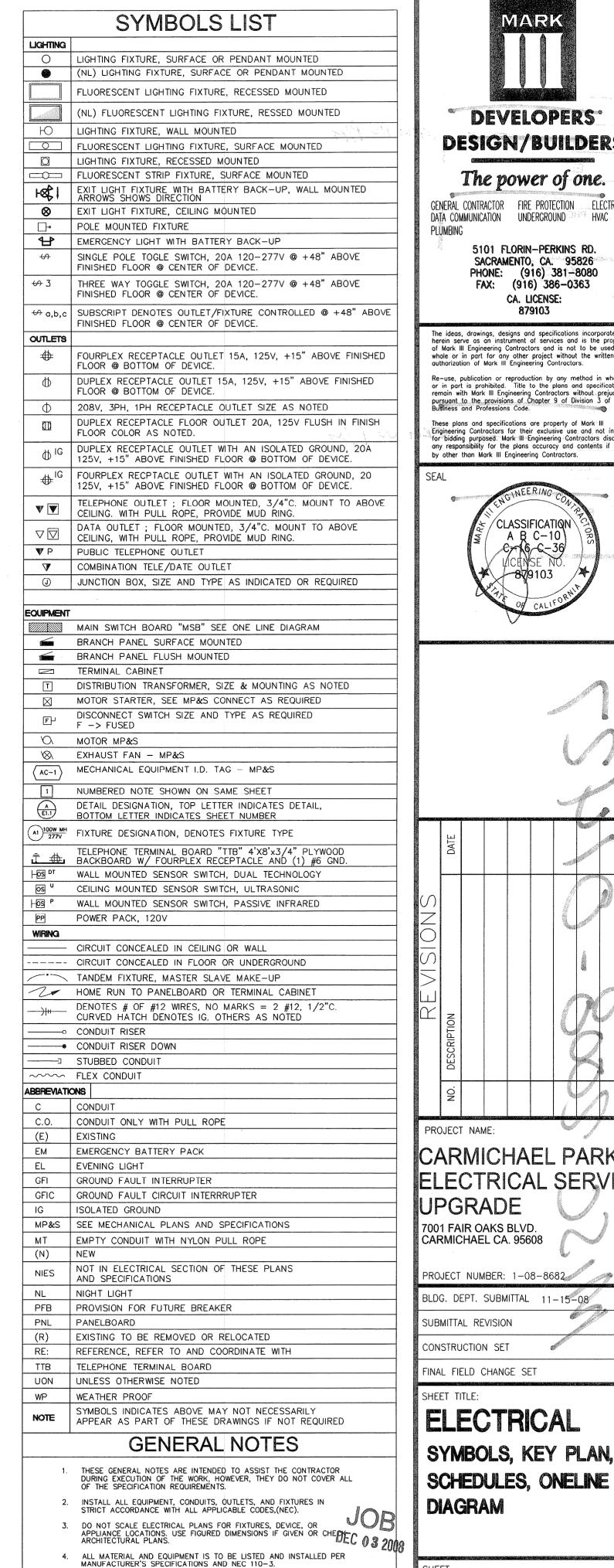
TILD TO WEPECTION The Division does not assurt early to a loss only for design. Permittee is responsible for entry the man round during fire authority for their requirements promise construction. All work shall comply with the tales after of the USC, UPC, UMC, and NEC as adopted and amended by the State of California in Title 24 66R and this jurisdiction. These plans are NOT reviewed for ADA compliance. A separate parmit is required for signs. DAVE 12/11/04 (5/93)



ANEL:N1	Ví	DLTAGE: 120/240V,1P,3W		BUS; 200A	MOUNT: S	URFACE
YPE: PANELBOARD	A ⁻	IC: SERIES RATED		MAIN: MLO	TYPE: NEM	A 3R
OTES:					Print Date:	13-Nov-08
OAD	KV	A CB NO A	BNO	CB KVA	LOAD	
uture Exterior Lighting	C	1.3 20/1 1 A	1 2	PFB	Space	***************************************
uture Exterior Lighting	С	1.3 20/1 3	B 4	PFB	Space	
uture Exterior Lighting	C	1.3 20/1 5 A		PFB	Space	
elocated hvac load	М	3.1 30/ 7		PFB	Space	
11 11	M	3.1 /2 9 A		PFB	Space	***************************************
pace		PFB 11		PFB	Space	
pace		PFB 13 A	14	PFB	Space	
pace		PFB 15		PFB	Space	
pace		PFB 17 A		PFB	Space	
pace		PFB 19		PFB	Space	
pace		PFB 21 A		PFB	Space	
pace		PFB 23		PFB	Space	
pace		PFB 25 A	26	PFB	Space	
pace		PFB 27	B 28	PFB	Space	
pace		PFB 29 A		PFB	Space	
pace		PFB 31		PFB	Space	
pace		PFB 33 A		PFB	Space	
pace		PFB 35		PFB	Space	
pace		PFB 37 A			4 P existing Interio	r load center
pace		PFB 39	B 40		<u> </u>	
pace		PFB 41 A	1 42	PFB	Space	
OAD CALCULATIONS:			LEGI	TND		
3.9 kVA Continuous Nor	Motor	·			for Future Breaker	
1.0 kVA 25% Continuous		tor				
0.0 kVA Non-Continuous		(OI		= Existing I		
		NEC 220 17)		= Future Lo		NEC 100)
0.0 kVA Receptacle (First					Load (>3 hrs per	NEC 100)
0.0 kVA Receptacle(Bala		1%)		Non-continu) (A
6.2 kVA Motor Loads (N					Load (taken at 180) VA only)
1.6 kVA 25% of Largest	. MOTOR			Motor Load		
0.0 No Kitchen Equip.	(NEO	220 44\			(NEC 220-20)	:
0.0 kVA Hotel/Motel Dem	ana (NEC	220-11)		Hotel/Motel	(110 10 10 10 10 10 10 10 10 10 10 10 10	
0.0 kVA Arc Welders (N	10 03U-1	10,210 PM)			(MG, AC xfmr, DC r	ecurier)
0.0 kVA Resistance Weld	iers (NEC	(015-050		Resistance W	reiders	
5.1 kVA Subpanel(s)	.\		۲ =	Sub-Panel		
0.0 kVA Thru fed Panel(s	i)	74 4 (1)/01 7	\\C	10.101.10.7		
17.7 Total kVA		74 Amps at VOLTA	NGE: 120,	/24UV,1P,3W	CARMICHAEL PA	ARK ELEC. UPGRADE

Fotal	Load
_oad	Description
3.9	kVA Continuous Non-Motor
1.0	kVA 25% Continuous Non-Motor
0.0	kVA Non-Continuous
0.0	kVA Receptacle (First 10KVA)
0.0	kVA Receptacle(Balance at 50%)
6.2	kVA Motor Loads
1.6	kVA 25% of Largest Motor
5.1	kVA SUB PANEL
0.0	kVA Hotel/Motel Demand (NEC 220-11)
0.0	kVA Arc Welders (NEC 630-11b,21b FPN)
0.0	kVA Resistance Welders (NEC 630-31b)
710 000 710 124	
7.7	Load kVA (Per NEC)
4.0	Amps at 240 Volt 1 Phase

LOAD CALCULATION



MOUNT ALL RECEPTACLES OUTLETS AT +18" UNLESS OTHERWISE INDICATED, COORDINATE WITH ARCHITECTURAL DRAWINGS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ALL FINAL RUNS AND CONNECTIONS TO EQUIPMENT.

MOUNT ALL TOGGLE SWITCHES AT +48" UNLESS OTHERWISE INDICATED. COORDINATE WITH ARCHITECTURAL DRAWINGS.

DEVELOPERS DESIGN/BUILDERS

The power of one. GENERAL CONTRACTOR FIRE PROTECTION ELECTRICAL

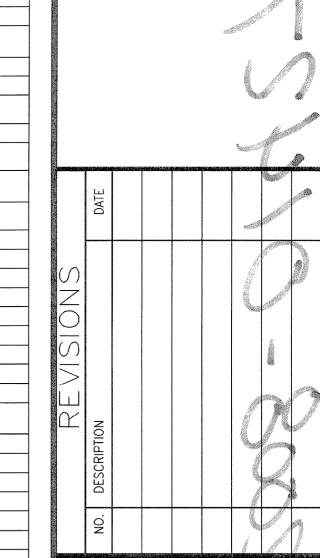
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SEAL





CARMICHAEL PARK ELECTRICAL SERVICE **UPGRADE**

CARMICHAEL CA. 95608

PROJECT NUMBER: 1-08-8682 BLDG. DEPT. SUBMITTAL 11-15-08

SUBMITTAL REVISION

CONSTRUCTION SET

FINAL FIELD CHANGE SET

SHEET TITLE:

ELECTRICAL SYMBOLS, KEY PLAN, SCHEDULES, ONELINE DIAGRAM

SHEET:

OF SHEETS