

EXHIBIT E-9

ELECTRICAL PLANS

FOR

SAN BERNARDINO COUNTY

**PACIFIC VILLAGE PLATINUM CAMPUS, PACIFIC VILLAGE
SUBSTANCE USE DISORDER PROGRAM, AND
CDH PACIFIC VILLAGE CAMPUS EXPANSION
DESIGN-BUILD PROJECT**

**PROJECT NUMBER 10.10.1533, 10.10.1380, AND
10.10.1671**



**SAN BERNARDINO
COUNTY**

NEW SERVICE LOAD CALCULATION
208/120 V, 3 PHASE, 4W

1. SHEDDING RECEIVING	RECEIVABLE LOAD AC LOAD	156 X 3	VA = 1,950	VA
RECEIVABLE LOAD AC LOAD	156 X 3	VA = 1,950	VA	
TOTAL SHEDDING RECEIVING			1,950	VA
2. BREAKROOM	RECEIVABLE LOAD AC LOAD	121 X 3	VA = 1,815	VA
RECEIVABLE LOAD AC LOAD	121 X 3	VA = 1,815	VA	
TOTAL BREAKROOM			1,815	VA
3. OFFICES	RECEIVABLE LOAD AC LOAD	891 X 3	VA = 13,365	VA
RECEIVABLE LOAD AC LOAD	891 X 3	VA = 13,365	VA	
TOTAL OFFICES			13,365	VA
4. CONFERENCE ROOMS	RECEIVABLE LOAD AC LOAD	800 X 3	VA = 12,000	VA
RECEIVABLE LOAD AC LOAD	800 X 3	VA = 12,000	VA	
TOTAL CONFERENCE ROOMS			12,000	VA

VA CORRIDORS

RECEIVABLE LOAD AC LOAD	1,885 X 3	VA = 5,655	VA	
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TOTAL CORRIDORS			5,655	VA
5. SLEEPING UNITS	RECEIVABLE LOAD AC LOAD	2,180 X 3	VA = 6,540	VA
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TOTAL SLEEPING UNITS			6,540	VA
6. INFORMATION COUNTRYSIDE	RECEIVABLE LOAD AC LOAD	4,136 X 3	VA = 12,408	VA
RECEIVABLE LOAD AC LOAD	4,136 X 3	VA = 12,408	VA	
TOTAL INFORMATION COUNTRYSIDE			12,408	VA
7. TOTAL SERVICE LOAD (VA)			167,321.0	VA
TOTAL SERVICE LOAD (AMPS)			52.17	AMPS

8. ADDITIONAL LOAD

HOSE LOANS	19	X 8,700.0	VA = 165,300	VA
EV CHARGERS INSTALLED	45	X 8,700.0	VA = 391,500	VA
TOTAL ADDITIONAL LOAD			456,800	VA
TOTAL SERVICE LOAD (VA)			1,153,683.3	VA
TOTAL SERVICE LOAD (AMPS)			3,202.6	AMPS

9. THEREFORE USE: 4000 A, 3 P, 208/120 V 3 PHASE SERVICE



Panel Name	Panel Type	Panel Size	Panel Voltage	Panel Phase	Panel Amps	Panel VA
Service Entrance	208/120V 3P	1250	208V	3P	1250	263,250
CHURCH	208/120V 3P	1250	208V	3P	1250	263,250
CLASS	208/120V 3P	1250	208V	3P	1250	263,250

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