BASIC INFORMATION REQUIRED FOR ELECTRICAL PLAN CHECK SUBMITTAL

- A. Formal plan check required for all new commercial and industrial buildings, change of occupancy and services 400 amps or larger.
- B. Submit three sets of drawings with applicable items listed below:
 - 1. Address of installation (include suite number).
 - 2. Note type of Tenant Activity (office, retail manufacturing, medical, etc).
 - 3. Note any special conditions (unlisted equipment, hazardous or corrosive environments, etc.).
 - 4. State on plans: No aluminum conductors.
- C. Single Line Diagram showing:
 - 1. Service. Provide the Southern California Edison Co. available fault current (AIC) calculations.
 - 2. Sub-Panels and major loads. Show let thru AIC if utility AIC exceeds 10,000 amps.
 - 3. Breaker and/or Fuse sizes. Note size and types for each.
 - 4. Grounding and bonding conductors. Show both for service and separately –derived systems (transformers, generators). Note size, destination and types for each).
 - 5. Conduit and Feeders. Note size and types for each.
 - 6. Note new, relocated or re-fed apparatus as new; note existing and unmodified as existing.
 - 7. Show Service load calculations in amperes.
- **D.** Branch Circuit Diagram showing:
 - 1. Circuiting for lighting and general use receptacle outlets.
 - Conduit and wire to other circuits, equipment motors future apparatus, etc. Note size, type and destination (home runs).
- E. Panel Schedules showing:
 - Description and Wattage of circuit loads. Identify all long-connected (LCL) loads
 - 2. Number of lights, receptacles, Misc on each circuit.
 - 3. Total wattage and calculated loads on the panel and feeders.
- F. Title 24 Energy Documentation Must include the LTG-1 and associated forms with all required signatures.

No Main – Lugs Only Panel Name Local Main Breaker Size (main is remote from panel																
Location				Bussing Ampacity										(main is remote from	pani	eı)
		ase Volts							uctor Si	ze			-135-	ATT DESCRIPTION OF THE PROPERTY OF THE PROPERT	<u> </u>	
				QUANTITY / SIZE / QUANTITY											1	
LCL & LM		Unique Circuit Descriptions NEC 408.4	LTG	REC	MISC	BREAKER	volt-amperes (watts) PHASES A B C			BREAKER	MISC	REC		Unique Circuit Descriptions NEC 408.4		
	1														2	
	3											4			4	
	5							n (*+-)							6	
	7													2.0	8	
	9											H			10	
	11														12	
	13				gara-terior										14	
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	39														40	
	41							Anna da Bagan dal						25° V	42	
① (connected loads per phase) A B C			LIV	L (1 (la	3 h arg	our est	motor)	ore) time times 2	③ Three Phase Watts to Amps (assumes load balanced on all phases) Watts ———————————————————————————————————							
A + B + C(subtotal all phases)								WATTS mand pe	AMPS =							

While functional for many commercial projects, this worksheet is for your convenience and may not reflect the entire scope of your design. Consult the 2007 California Electrical Code for specific requirements.