






















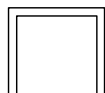

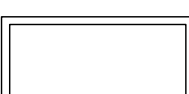



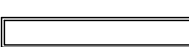



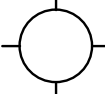





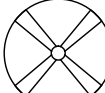





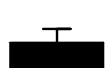


EQUIPMENT SCHEDULE						
ITEM	VOLTAGE	PHASE	F.L.A. OR HP	FUSE	WIRE	REMARKS
 1	208	1Ø	7.5 MCA	15A 2P	2 #12 CU, 1/2" C	FAN COIL UNIT ABOVE CEILING CONTROLLED W/ THERMOSTAT
 2	208	1Ø	7.5 MCA	15A 2P	2 #12 CU, 1/2" C	FAN COIL UNIT ABOVE CEILING CONTROLLED W/ THERMOSTAT
 3	208	1Ø	5.1 MCA	15A 2P	2 #12 CU, 1/2" C	FAN COIL UNIT ABOVE CEILING CONTROLLED W/ THERMOSTAT
 4	208	1Ø	7.5 MCA	15A 2P	2 #12 CU, 1/2" C	FAN COIL UNIT ABOVE CEILING CONTROLLED W/ THERMOSTAT
 1	208	3Ø	21.5 MCA	35A 3P	3 #10 CU, 3/4" C	CONDENSING UNIT ON GRADE
 2	208	3Ø	18.6 MCA	30A 3P	3 #10 CU, 3/4" C	CONDENSING UNIT ON GRADE
 3	208	3Ø	12.7 MCA	20A 3P	2 #12 CU, 1/2" C	CONDENSING UNIT ON GRADE
 4	208	3Ø	18.6 MCA	30A 3P	3 #10 CU, 3/4" C	CONDENSING UNIT ON GRADE
 1	208	3Ø	1 HP	15A 3P	3 #12 CU, 1/2" C	WALL MOUNTED EXHAUST FAN W/ MANUAL TIMER & INTERLOCKED WITH CO2 SYATEM
 2	120	1Ø	8.4 W	N/A	2 #12 CU 1/2" C	CEILING MOUNTED EXHAUST FAN CONTROLLED WITH LIGHT SWITCH
 3	120	1Ø	128 W	N/A	2 #12 CU 1/2" C	CEILING MOUNTED EXHAUST FAN CONTROLLED WITH LIGHT SWITCH
 4	120	1Ø	48.2 W	N/A	2 #12 CU 1/2" C	CEILING MOUNTED EXHAUST FAN CONTROLLED WITH LIGHT SWITCH
 5	120	1Ø	0.5 A	N/A	2 #12 CU 1/2" C	CEILING MOUNTED EXHAUST FAN CONTROLLED WITH LIGHT SWITCH
 1	208	3Ø	15 KW	60A 3P	3 #6 CU, 1" C	ELECTRIC UNIT HEATER CONTROLLED W/ THERMOSTAT
 2	208	3Ø	15 KW	60A 3P	3 #6 CU, 1" C	ELECTRIC UNIT HEATER CONTROLLED W/ THERMOSTAT
 1	208	1Ø	10 MCA	15A 2P	2 #12 CU, 1/2" C	COMPUTER CONDENSING UNIT COOLING ONLY
 1	208	1Ø	POWER BY OUTDOOR UNIT CCU/1			COMPUTER FAN COIL UNIT CONTROLLED W/ THERMOSTAT
 1	208	3Ø	18 KW (50 FLA)	70A 3P	3 #4 CU, 1" C	ELECTRICAL WATER HEATER
 1	120	1Ø	40 W	20A1P RECEPT.	2 #12 CU 1/2" C	WATER HEATER CIRC PUMP
 1	120	1Ø	3/4 HP (8.1 A)	30A 1P	2 #10 CU 3/4" C	GARBAGE DISPOSAL

ELECTRICAL EQUIP. NOTES

- 1) ALL EXTERIOR EQUIPMENT SHALL  
BE WEATHERPROOF, NEMA 3R

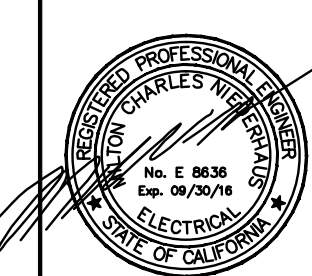
2) ELECTRICAL CONTRACTOR SHALL  
VERIFY EXACT LOCATION OF ALL  
EQUIPMENT WITH  
MECHANICAL DRAWNGS AND  
CONTRACTOR PRIOR TO ROUGH  
AND/OR ROOF PENETRATIONS.
- 3) ELECTRICAL CONTRACTOR SHALL  
PROVIDE ALL DISCONNECTS,  
STARTERS, PIPE AND WIRE  
AS REQUIRED FOR A COMPLETE  
WORKING SYSTEM.

4) ELECTRICAL CONTRACTOR SHALL  
COORDINATE BUILDING SERVING  
VOLTAGE WITH MECHANICAL  
CONTRACTOR UNITS FOR  
CONSTRUCTION

LUMINAIRE SCHEDULE								
TYPE	MTC	LAMP		LUMINAIRE DESCRIPTION	MANUFACTURER & CATALOG NUMBER	INPUT WATTS, VOLTS	REF. NOTES	REF. SYMBOLS
		#	CODE WATT/LUMENS COLOR					
 A	REC	1	31W LED 3500K	2X2 RECESSED LED LIGHT FIXTURE WITH CONTOUR LENS	COLUMBIA #LSER22 35LWG- C-EDU	31W 120V	① ②	
 B	REC	1	52W LED 3500K	2X4 RECESSED LED LIGHT FIXTURE WITH CONTOUR LENS	COLUMBIA #LSER24 35MLG- C-EDU	52W 120V	① ②	
 C	CHAIN HUNG	1	48W LED 3500K	4' SUSPENDED LED STRIP LIGHT CHAIN HUNG	COLUMBIA #LCL4-35ML- EDU/CSHC	48W 120V	① ②	
 D	CORNER WALL	1	45W LED 4000K	9"X48" LED WALL MOUNTED VANDAL PROOF LIGHT FIXTURE	KENALL #CC-4-4- 45L40K-DCC- DV-1/G-1	45W 120V	① ②	
 E	REC	1	18.9W LED 3500K	RECESSED LED CAN LIGHT	PATHWAY #6VL0DWL-15- 35K/6VLEDWL- SCLPF	18.9W 120V	① ②	
 F	CLG SURF.	1	112W LED 4000K	CEILING MOUNT LED LOWBAY FIXTURE W/TRANSLUCENT WHITE	HUBBELL #LBS-4K-WW16- LO-U-CD-WH-N	112W 120V	① ②	
 G	PEND.	1	22W LED 3000K	DECORATIVE PENDANT FOR KITCHEN/ DINING W/ GLASS LENS AND LED LAMP	TECH #700TDSTNP- S-C-Y-LED30	22W 120V	① ②	
 H	CLG SURF.	1	12.5W LED 3500K	ROUND DRUM LED CLG SURFACE RESTROOM FIXTURE W/ WHITE ACRYLIC LENS	TERON #EE-L12.5- 120V-35K	12.5W 120V	① ②	
 I	CLG SURF.	1	12.5W LED 2700K	CEILING MOUNT 3-SPEED REVERSABLE PADDLE FAN W/ LED LIGHT KIT	SPEC BY ARCHITECT \$500.00 ALLOWANCE	12.5W 120V	① ②	
 EX	SURF.	1	LED	UNIVERSAL MTD EXIT SIGN W/ 90 MIN BATTERY PACK	DUAL-LITE #EVE-U-R-W	2W 120V	②	
 SA	POLE	1	135W LED 5000K	POLE MOUNT LED SITE LIGHT ON 25' POLE LED HEAD WITH INTERNAL PHOTO-CELL	BEACON #VP-L-64NB- 135-5K-T4-UNV- RA-BZT-PCR-TL	135W 120V	① ②	
 SB	WALL	1	29W LED 5000K	EXTERIOR LED WALL PACK MTD ø 12"-0" AFF WITH INTERNAL PHOTOCELL	HUBBELL #LNC2-12LV- 5K-3-1-PC	29W 120V	① ②	
 SC	WALL	1	20W LED 5000K	EXTERIOR PATIO WALL LIGHT ø 8" AFF W/ INTERNAL PHOTOCELL	INDESA #hrlcd	20W 120V	① ②	

- ① PROVIDE WITH LED DRIVER

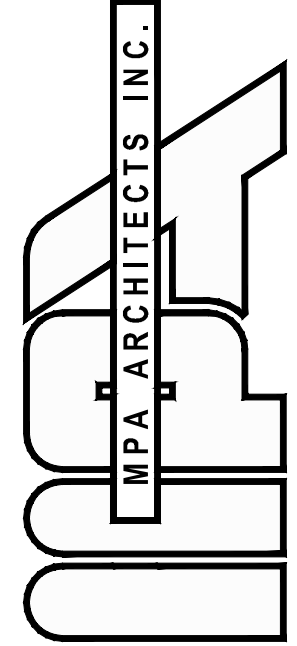
② LIGHT ON STANDBY EMERGENCY GENERATOR CIRCUIT.



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518 RAILROAD AVENUE  
WINTERHAVEN, CA 92283

REVISIONS

NO.	DESCRIPTION	DATE
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SHEET TITLE

ELECTRICAL  
SCHEDULES

DATE	TITLE	SCALE	TITLE
09/19/17	TITLE		TITLE
DRAWN BY	TITLE	DATABASE	TITLE
CHECKED BY	TITLE	SHEET NUMBER	
PROJECT NO.	TITLE		

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PLOT DATE 09/19/17

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VOLTS	120/208	HVAC										MAINS	LUGS ONLY					
PHASE	5											BUS	225 AMPS					
WIRE	4											MOUNTING	FLUSH					
A.I.C.	SERIES RATED	FEEDER 4#4/OCU, 1#4GND, 2 1/2" C																
LOCATION	WATTAGE			LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE			LOCATION
	PH.A	PH.B	PH.C												PH.A	PH.B	PH.C	
CU/1	2587						1	40	15	2					780			FC/1
CU/1		2587					3		2	4						780		FC/1
CU/1			2587				5	3	15	6							780	FC/2
CU/2	2238						7	30	2	8					780			FC/2
CU/2		2238					9		15	10						530		FC/3
CU/2			2238				11	3	2	12							530	FC/3
CU/3	1528						13	20	15	14					780			FC/4
CU/3		1528					15		2	16						780		FC/4
CU/3			1528				17	3		18								
CU/4	2238						19	30		20								
CU/4		2238					21			22								
CU/4			2238				23	3		24								
EF/1	480						25	15		26								
EF/1		480					27			28								
EF/1			480				29	3		30								
UH/1	5000						31	60		32								
UH/1		5000					33			34								
UH/1			5000				35	3		36								
UH/2	5000						37	60		38								
UH/2		5000					39			40								
UH/2			5000				41	3		42								
TOTAL	PH.A	21411					PH.B	21161							PH.C	20381		
TOTAL WATTS		62953					AMPS	174.8							LCL AMPS	4.6		

(PANEL ON STANDBY EMERGENCY GENERATOR)																					
VOLTS		120/208		PEM										MAINS		LUGS ONLY					
PHASE		3												BUS		200 AMPS					
WIRE		4												MOUNTING		FLUSH					
A.I.C.		SERIES RATED		FEEDER		4# 1/0CU, 1#6GND, 2" C															
LOCATION		WATTAGE			LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	REC	LTG	WATTAGE			LOCATION		
		PH.A	PH.B	PH.C												PH.A	PH.B	PH.C			
GARAGE RECEPT		1200						1	20/1		40	2					4000			RANGE/OVEN	
GARAGE RECEPT			1200					3	20/1		2	4					4000			RANGE/OVEN	
GARAGE RECEPT				1200				5	20/1		20/1	6								SMALL APPL	
LOCKER RECEPT		540						7	20/1		20/1	8				1500				SMALL APPL	
LOCKER RECEPT			360					9	20/1		20/1	10					1200			D.W	
BEDROOM RECEPT				900				11	20/1		20/1	12						1127		G.D.	
BEDROOM RECEPT		1080						13	20/1		20/1	14				750				REFRIG	
LOCKER RECEPT			180					15	20/1		20/1	16					180			LIVING RECEPT	
LOCKER RECEPT				180				17	20/1		20/1	18					180			LIVING RECEPT	
LOCKER RECEPT		180						19	20/1		20/1	20				1080				LIVING RECEPT	
LOCKER RECEPT			180					21	20/1		20/1	22					540			PATIO RECEPT	
SERVER RECEPT				500				23	20/1		20/1	24						750		FITNESS RECEPT	
SERVER RECEPT		500						25	20/1		20/1	26				750				FITNESS RECEPT	
BATH GFI RECEPT			900					27	20/1		20/1	28					750			FITNESS RECEPT	
G.D. RECEPT				1127				29	20/1		20/1	30						750		FITNESS RECEPT	
REFRIG RECEPT		750						31	20/1		20/1	32				750				FITNESS RECEPT	
SMALL APPLIANCE			1500					33	20/1		20/1	34					750			FITNESS RECEPT	
SMALL APPLIANCE				1500				35	20/1		20/1	36						900		HALL RECEPT	
WASHER		1500						37	20/1		20/1	38				750				HOOD	
DRYER			2500					39	30		20/1	40					40			CP/1	
DRYER				2500				41	2		42										
TOTAL		PH.A	15080						PH.B		14240						PH.C		13114		
TOTAL WATTS		42434						AMPS		117.8								LCL AMPS		-0-	

(PANEL ON STANDBY EMERGENCY GENERATOR)

VOLTS	120/208	<div>EM</div>	MAINS	LUGS ONLY
PHASE	3		BUS	400 AMP
WIRE	4		MOUNTING	FLUSH
A.I.C.	SERIES RATED			

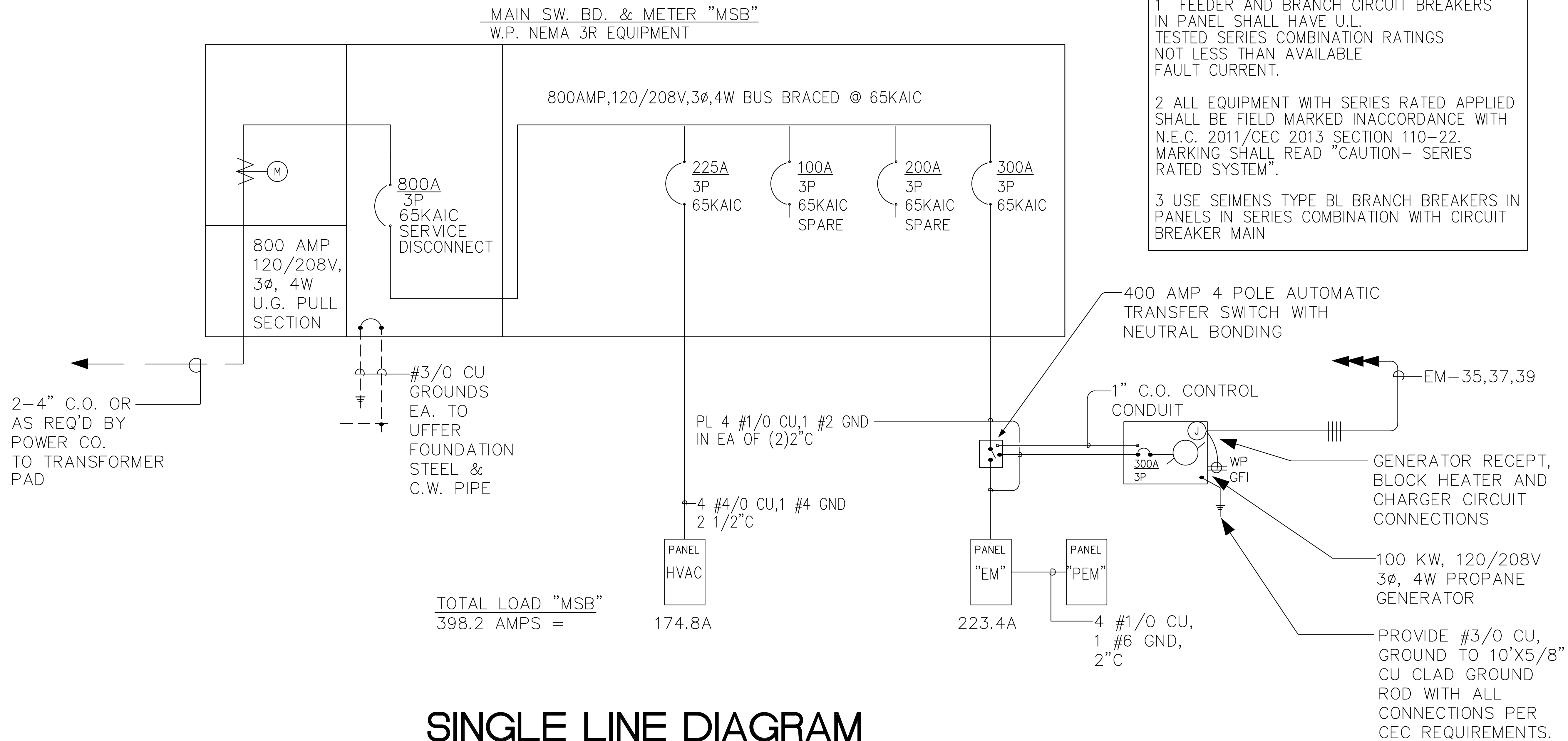
FEEDER PL 4 #1/OCU, 1#2 GND (2)2"C

LOCATION	WATTAGE			LTG	REC	MIS	CIR	BKR		BKR	CIR	MIS	LTG	WATTAGE			LOCATION
	PH.A	PH.B	PH.C											PH.A	PH.B	PH.C	
EXIT LTG	50						1	20/1		20/1	2			377			EXT. WALL LTG
GARAGE LTG		1296					3	20/1		20/1	4				405		POLE LTG
RESTROOM LTG			400				5	20/1		20/1	6					800	LOCKER/LOUNGE LTG
BED LTG	750						7	20/1			8						
LIVING LTG		800					9	20/1			10						
FITNESS HALL LTG			1232				11	20/1			12						
RECEPTION/HALL LTG	832						13	20/1			14						
OFFICE LTG		800					15	20/1			16						
CONFERENCE LTG			1000				17	20/1			18						
SPLIT BUS							19				20						SPLIT BUS
							21				22						
							23				24						
							25	150		20/1	26			360		REPORT RECEPT	
PANEL 'PEM'	15080						27			20/1	28				360		REPORT RECEPT
PANEL 'PEM'		14240					29	3		20/1	30					360	BOOKING RECEPT
PANEL 'PEM'			13114				31	20/1		20/1	32			720			OFFICE RECEPT
CONFERENCE RECEPT	720						33	20/1		20/1	34				720		OFFICE RECEPT
RECEPTION RECEPT		900					35	20/1		20/1	36					1080	HALL RECEPT
GENERATOR HTR			1500				37	20/1		20/1	38			720			OFFICE RECEPT
GENERATOR CHARGER	500						39	20/1		20/1	40				720		OFFICE RECEPT
GENERATOR RECEPT.		180					41	20/1		20/1	42					1000	COPY RECEPT
GATE MOTOR			1127				43				44						
SPLIT BUS							45				46						SPLIT BUS
							47				48						
							49	20/1		15	50			1040			
EXHAUST FANS	500						51	20/1		2	52				1040		CCU/1 - COMPUTER
EXHAUST FANS		500					53	20/1			54						
EXHAUST FANS			500				55				56						
							57				58						
							59				60						
WH/1	6000						61	70		20/1	62			1127			GARAGE DOOR
WH/1		6000					63			20/1	64				1127		GARAGE DOOR
WH/1			6000				65	3		20/1	66					1127	GARAGE DOOR
TOTAL	PH.A	27189					PH.B	27781							PH.C	25486	
TOTAL WATTS		80456					AMPS	223.4							LCL AMPS	10.2	

PROVIDE SPLIT BUS PANEL AS REQ'D BY CALIFORNIA ENERGY COMMISSION STANDARDS 130.5-B. DESEGREGATION OF ELECTRICAL CIRCUITS. PROVIDE SIEMENS "P2 SPB" PANEL.

### ELECTRICAL LEGEND

	RECESSED MTD. FLUOR.	4W	4-WIRE
	HIGH BAY LIGHT FIXTURE	A,AMPS	AMPERES
	FLUOR. STRIP LIGHT	A.F.F.	ABOVE FINISHED FLOOR
	SURFACE MTD. LIGHT FIXTURE	A.I.C.	AMPERE INTERRUPTING CAPACITY
	RECESSED DOWN LIGHT FIXTURE	B.C.	BARE COPPER
	WALL MTD. LIGHT FIXTURE	C., COND	CONDUIT
	RECESSED PANEL	C.O.	CONDUIT ONLY
	SPST DIMMER SWITCH, +44"	C/B	CIRCUIT BREAKER
	SPST TOGGLE SWITCH, +44"	CKT	CIRCUIT
	SPST MANUAL ON 30 MINUTE OCCUPANT MOTION SENSOR SWITCH, +44"	CONN	CONNECTED
	THREE-WAY SWITCH +44" A.F.F. U.O.N.	CORR.	CORRIDOR
	CONVENIENCE DUPLEX OUTLET +15" CENTERLINE A.F.F. - U.O.N.	CU	COPPER
	FOURPLEX CONVENIENCE OUTLET +15" CENTERLINE A.F.F. - U.O.N.	ELECT.	ELECTRICAL
	FUSED DISCONNECT SWITCH	EXH/EF	EXHAUST
	JUNCTION BOX WITH FLEX CONNECTION	EXTER.	EXTERIOR
	WALL MTD. TELEPHONE OUTLET +15" CENTERLINE A.F.F.	GFI	GROUND FAULT INTERRUPTING
	WALL MTD. DATA OUTLET +15" CENTERLINE A.F.F.	GND.	GROUND
	NO. OF POLES SWITCH SIZE, AMPS FUSED SIZE, AMPS FUSE CLASS TYPE	LTG.	LIGHTING
	BRANCH CIRCUIT HOME-RUN WITH PANEL & CIRCUIT DESIGNATION, HASH MARKS INDICATE NO. OF #12 WIRE U.O.N.	M.P.	MULTI-PURPOSE
	TELEPHONE SYSTEM CONDUIT WITH PULL-ROPE	M/C	MACHINE
	EMERGENCY SYSTEM CONDUIT & WIRING	MECH.	MECHANICAL
	CONDUIT WITH #12 WIRE, EACH TICK INDICATES ONE #12 WIRE.	MTD.	MOUNTED
	LIGHT FIXTURE DESIGNATION. SEE LIGHT FIXTURE SCHEDULE.	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	TV OUTLET WITH COAX +15" A.F.F. CENTERLINE	P	POLE
	CONVENIENCE DUPLEX OUTLET +15" A.F.F. CENTERLINE HALF SWITCHED, HALF HOT.	PH,~	PHASE
	SPECIAL PURPOSE RECEPTACLE, SIZE PER PANEL.	PNL	PANEL
	WALL MTD. PLUG MOLD	RECEP.	RECEPTACLE
	DROP CHORD RECEPTACLE	RM.	ROOM
	EXHAUST FAN	TOIL~	TOILET
	SMOKE ALARM, 120V W/ BATTERY BACKUP.	TYP.	TYPICAL
	COMBO PLATE TV OUTLET WITH COAX AND TELEPHONE OUTLET +15" AFF CENTERLINE	U.O.N.	UNLESS OTHERWISE NOTED
		U/G	UNDER GROUND
		W,WATT	WATTAGE
		W.P.	WEATHERPROOF
		EM	EMERGENCY
		NL	NIGHT LIGHT



## SINGLE LINE DIAGRAM

NOT TO SCALE



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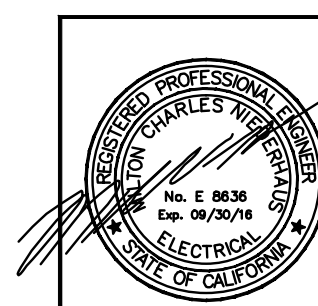
REVISIONS

NO.	DESCRIPTION	DATE
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SHEET TITLE  
**ELECTRICAL  
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DATE	TITLE	SCALE	TITLE
09/19/17	TITLE		TITLE
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CHECKED BY	TITLE	SHEET NUMBER	
PROJECT NO.	TITLE		

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