

1 SINGLE LINE DIAGRAM
SCALE: NONE

LOAD CALCULATION			
GENERAL LIGHTING	5331 X 3W/Sq Ft.	15993	
LAUNDRY		1500	
3X SMALL APPLIANCES CIRCUIT		4500	
	TOTAL	21993	
	1ST. 3000 VA at 100%	3000	
	REMAINDER at 35%	6648	
DISHWASHER		1500	
RANGE HOOD		750	
GARBAGE DISPOSER		700	
MICROWAVE		1500	
SUBZERO REFRIGERATOR		1500	
DOUBLE OVEN		8000	
TRASH COMPACTOR		1200	
CAR CHARGER		7680	
STEAM		8000	
BATHROOM EXHAUST FANS 6		3000	
GARAGE DOOR OPENER		500	
JACUZZI		2000	
LANDSCAPING		3000	
	TOTAL FIXED APPLIANCES @ 75%	39330 X 75%	29498
HRU-1		500	
HRU-2		500	
HP-1		21000	
FC-1		600	
FC-2		800	
FC-3		600	
FC-4		600	
FC-5		850	
FC-6		600	
FC-7		600	
	TOTAL A/C LOADS @ 100%	26650 X 100%	26650
TOTAL			65795
I (CURRENT)			274 AMPS
SERVICE SIZE REQUIRED			
1-400AMP, 120/240 V, SINGLE PHASE, THREE WIRE (CLASS 320 PANEL)			

VOLTAGE DROP SCHEDULE					
DEVICE	FEEDER		BRANCH CIRCUIT		TOTAL VOLTAGE DROP
	VOLTAGE DROP	WIRE SIZE	MAX VOLTAGE DROP	WIRE SIZE	
MS	0%	#600kcmilCU	2.12% (TAP 4)	#2CU	2.12%
A	0.25%	#3/0CU	1.8% (CKT 23)	#12	2.05%
B	0.15%	#3CU	0.24% (CKT 17,19)	#12	0.39%
L	0.12%	#3CU	-	-	0.12%
DM1	0.17%	#12	0.13% (CKT 3)	#12	0.3%
DM10	0.13%	#12	0.03% (CKT 3)	#12	0.16%
DM11	0.2%	#12	0.11% (CKT 1)	#12	0.31%
DM12	0.2%	#12	0.2% (CKT 1)	#12	0.39%
DM13	0.2%	#12	0.12% (CKT 2)	#12	0.32%
DM14	0.28%	#12	0.39% (CKT 1)	#12	0.67%
DM15	0.14%	#12	0.04% (CKT 3)	#12	0.17%
DM16	0.13%	#12	0% (CKT 1)	#12	0.14%
DM17	0.27%	#12	0.22% (CKT 3)	#12	0.49%
DM18	0.15%	#12	0.11% (CKT 1)	#12	0.26%
DM19	0.15%	#12	0.17% (CKT 1)	#12	0.31%
DM2	0.14%	#12	0.15% (CKT 1)	#12	0.29%
DM3	0.15%	#12	0.05% (CKT 4)	#12	0.2%
DM4	0.13%	#12	0.02% (CKT 1)	#12	0.15%
DM5	0.13%	#12	0.02% (CKT 1)	#12	0.15%
DM6	0.17%	#12	0.04% (CKT 2)	#12	0.21%
DM7	0.2%	#12	0.14% (CKT 4)	#12	0.34%
DM8	0.17%	#12	0.1% (CKT 1)	#12	0.26%
DM9	0.27%	#12	0.22% (CKT 1)	#12	0.49%

FEEDER SCHEDULE		
ID	CONDUIT AND FEEDER	FEEDING THESE DEVICES
20/1N	1/2" C, 1#12, #12N, #12G	DM1, DM2, DM3, DM4, DM5, DM6, DM7, DM8, DM9, DM10, DM11, DM12, DM13, DM14, DM15, DM16, DM17, DM18, DM19
100/2N	1" C, 2#3CU, #3CU N, #8CU G	B, L
200/2N	2" C, 2#3/0CU, #3/0CU N, #6CU G	A
400/2N	3" C, 2#600kcmilCU, #600kcmilCU N, #1/0CU G	MS

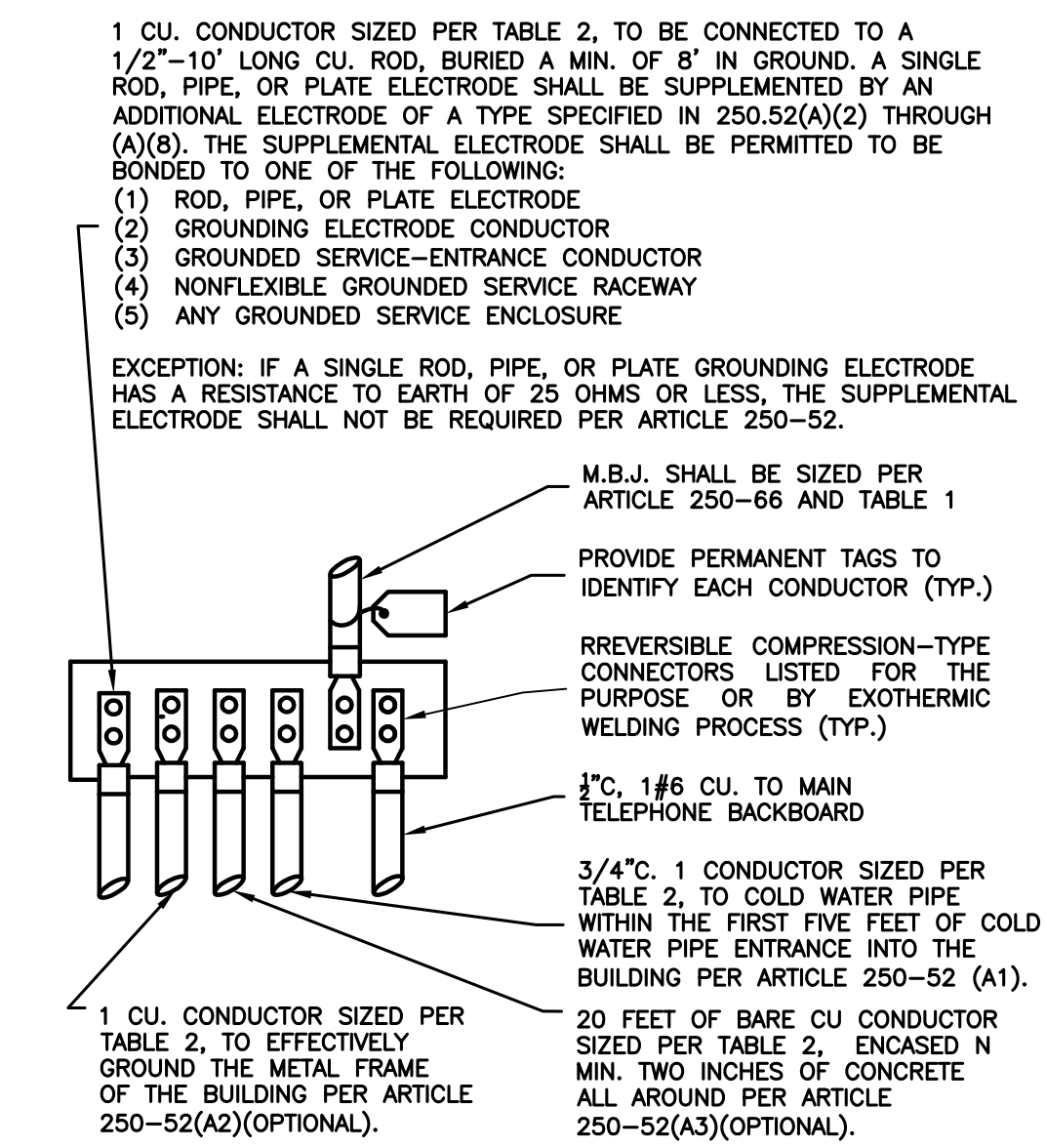
SIZING METHOD: COPPER/ALUMINUM, 75% C #12 AND ABOVE

SINGLE LINE DIAGRAM NOTES:

- ALL WORK SHALL BE PERFORMED PER 2014 NATIONAL ELECTRICAL CODE.
- ALL ELECTRICAL EQUIPMENT AND SWITCHBOARDS SHALL BE FULLY RATED.
- ALL ELECTRICAL EQUIPMENT AND SWITCHBOARDS SHALL BE SERIES RATED.
- PROVIDE A CAUTIONARY LABEL TO THE SERIES RATED DEVICE COVER STATING "CAUTION-SERIES COMBINATION SYSTEM RATED _____A. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED".
- ALL ELECTRICAL EQUIPMENT, SWITCHBOARDS, ETC. TO WITHSTAND AVAILABLE FAULT CURRENT. VERIFY WITH SERVING UTILITY COMPANY.
- ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR UL.
- PROVIDE SEISMIC BRACING FOR ALL SERVICE EQUIPMENT, SWITCHBOARDS AND OTHER FLOOR STANDING EQUIPMENT BY INSTALLING APPROVED ANCHORS TO THE BUILDING STRUCTURE FROM EACH EQUIPMENT ENCLOSURE.
- FURNISH ELECTRICAL EQUIPMENT OF THE SAME TYPE OR CLASS FROM ONE MANUFACTURER.
- EQUIP ALL DISTRIBUTION FUSIBLE SWITCHES WITH REJECTION TYPE FUSE CLIPS FOR USE WITH CURRENT LIMITING, U.L. CLASS "R" FUSES.
- PROVIDE FUSES FROM ONE MANUFACTURER OF THE FOLLOWING TYPES:
 - "RK-1" - U.L. CLASS "RK-1" CURRENT LIMITING FUSES, "BUSSMANN" LOW-PEAK TYPE LPN-RK_SP.
 - "RK5" - U.L. CLASS "RK5" CURRENT LIMITING, DUAL ELEMENT FUSES, "BUSSMANN" LOW-PEAK TYPE LPN-RK_SP.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THWN/THHN" INSULATION RATED FOR 600 VOLTS.
- FEEDER LENGTHS NOTED ON DRAWINGS ARE FOR VOLTAGE DROP AND SHORT CIRCUIT CALCULATIONS ONLY AND ARE NOT TO BE USED FOR ESTIMATE OR MATERIAL TAKE-OFF.
- NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE.
- ALL TERMINALS/LUGS SHALL BE DUAL RATED 60°/75° C.
- THE ELECTRICAL ROOM DOOR SHALL OPEN OUTWARD AND SHALL BE EQUIPPED WITH PANIC HARDWARE.
- THE GROUNDING CONDUCTOR SHALL BE CONNECTED TO WATER PIPE (GROUNDING ELECTRODE) WITHIN 5' FROM THE POINT OF ENTRANCE INTO THE BUILDING.
- PROVIDE SEISMIC ANCHORING AND BRACING FOR MAIN SWITCHBOARD AND ALL STANDING SECTIONS.
- ELEVATOR CIRCUIT BREAKER SHALL BE EQUIPPED W/ SHUNT TRIP (SIEMENS C/B TYPE FXD6 OR EQ.)
- INSTALL A 1" CONDUIT FROM THE MAIN SWITCHBOARD TO THE ROOF AND TERMINATE IN A 12"x12"x6" NEMA 3R BOX FOR FUTURE SOLAR. "THE CONDUIT FOR THE FUTURE ELECTRICAL SOLAR SYSTEM SHALL BE LABELED AS PER LOS ANGELES FIRE DEPARTMENT REQUIREMENTS"
- CIRCUIT BREAKERS USED AS SWITCHES IN 120 AND 277 VOLT FLUORESCENT LIGHTING CIRCUITS SHALL BE LISTED AND MARKED AS "SWD" OR "HID".
- PROVIDE A LABEL STATING "EV CAPABLE" IS A CONSPICUOUS PLACE AT THE SERVICE PANEL OR SUBPANEL AND NEXT TO THE RACEWAY TERMINATION POINT.
- CONDUCTORS OF A MULTI-WIRE BRANCH CIRCUIT SHALL CONSPICUOUSLY ORIGINATE FROM THE SAME PANELBOARD. THE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES (210.4, 240.15(B)(1))
- ANY CONDUIT RUN OR MULTICONDUCTOR CABLE LEAVING THE CLASS I, DIVISION 1 OR CLASS I, DIVISION 2 LOCATION SHALL BE PROVIDED WITH A CONDUIT OR CABLE SEAL. THE CABLE SHALL BE INCAPABLE OF TRANSMITTING GASSES OR VAPORS THROUGH THE CABLE CORE. THE SEAL SHALL BE INSTALLED ON EITHER SIDE WITHIN 10 FEET OF THE SPECIFIED HAZARDOUS AREA BOUNDARY, UNLESS SHORTER DISTANCE IS REQUIRED BY METHANE STANDARD. (501.15(A)(4),(B)(2),(D)(3))
- EACH ELECTRICAL SERVICE SHALL HAVE PERMANENTLY INSTALLED USER-ACCESSIBLE METERING OF TOTAL ELECTRICAL ENERGY USE PER TABLE 130.5(A)
- ALL SWITCHBOARD EQUIPMENT AND CIRCUIT BREAKERS GREATER THAN 400A SHALL BE RATED FOR 100%.

SERVICE SIZE	M.B.J. SIZE
0-1000 A	# 3/0
1200 A	# 4/0
1600 A	250 MCM
2000 A	300 MCM
2500 A	500 MCM
3000 A	500 MCM
4000 A	600 MCM

Service Size	G.E.C. Size
0-200 A	#4
201-400 A	#1/0
Over 401 A	#3/0



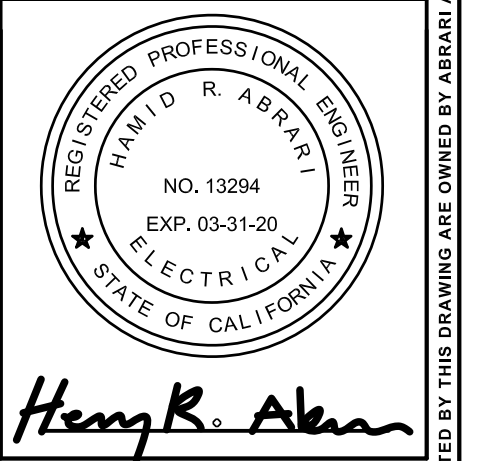
A GROUNDING DETAIL
SCALE: NONE

PLAN REVIEW ACCEPTANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
 BUILDING STRUCTURAL
 MECHANICAL PLUMBING
 ELECTRICAL ENERGY
 ACCESSIBILITY FIRE
 PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE OR LOCAL REGULATIONS.
 BY: MEM DATE: 07/11/18
 WEST COAST CODE CONSULTANTS, INC.

REV.	DATE	DESCRIPTION
1	X	
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	
9	X	
10	X	

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SHEET TITLE
SINGLE LINE DIAGRAM & LOAD CALCS.

PROJECT NO.: 16-
SCALE: AS SHOWN
DATE: 06-04-18
BY: VA
CHECKED: HRA
DRAWING NO. **E-2.0**

ROOM MOUNTING FLUSH FED FROM MS NOTE		VOLTS 240/120V 2P 3W BUS AMPS 225 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B
1	20/1	OFFICE REC.	1.08	2	20/1	FOYER FAN, REC.	1.15
3	20/1	OFFICE REC.	0.36	4	20/1	BATHROOM REC.	0.18
5	20/1	FREEZER	1.50	6	20/1	GARAGE REC.	0.54
7	20/1	REFRIGERATOR	1.50	8	20/1	MICROWAVE	1.50
9	20/1	LIVING ROOM REC.	0.72	10	20/1	HOOD FAN	0.80
11	20/1	DINING REC.	1.08	12	20/1	DISHWASHER	1.20
13	20/1	DINING PATIO REC.	0.54	14	20/1	GD	0.38
15	20/1	FAMILY MEDIA ROOM REC.	1.26	16	20/1	KITCHEN REC.	0.36
17	20/1	LIVING ROOM REC.	0.90	18	20/1	KITCHEN REC.	1.18
19	30/1	JACUZZI	2.00	20	20/1	MA. BEDROOM FAN, REC.	0.18
21	20/1	KID'S ROOM FAN, REC.	1.13	22	20/1	MA. BATHROOM REC.	0.54
23	20/1	GUEST ROOM FAN, REC.	1.49	24	20/1	BATHROOM REC.	1.26
25	20/1	BOOT WARMER REC.	0.36	26	20/1	GUEST ROOM REC.	0.95
27	20/1	SD SC, SMOKE DETECTOR	0.72	28	20/1	FAN, REC.	0.72
29	20/1	SITE REC.	0.72	30	20/1	UNFINISHED BASEMENT REC.	1.68
31	20/1	SITE REC.	0.86	32	20/1	LAUNDRY, REC.	0.36
33	20/1	GARAGE DOOR OPENER	0.00	34	20/1	JACUZZI DECK REC.	0.00
35	-/1	SPACE	0.00	36	-/1	SPACE	0.00
37	-/1	SPACE	0.00	38	-/1	SPACE	0.00
39	30/2	TESLA BATTERY(IF INSTALLED)	0.00	40	30/2	TESLA BATTERY(IF INSTALLED)	0.00
41			0.00	42			0.00
TOTAL CONNECTED KVA BY PHASE			14.05	TOTAL CONNECTED KVA BY PHASE			16.03
TOTAL CONNECTED AMPS BY PHASE			117.12	TOTAL CONNECTED AMPS BY PHASE			133.54
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.01	0.01	(125%)	CONTINUOUS	1.50	1.88	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	1.16	1.16	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	25.41	17.71	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		30.08		TOTAL KVA		23.25	
TOTAL AMPS		96.88		TOTAL AMPS		96.88	

1 CIRCUIT BREAKER SHALL BE AFCI RATED

ROOM MOUNTING FLUSH FED FROM MS NOTE		VOLTS 240/120V 2P 3W BUS AMPS 100 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B
1	20/2	FC-1	0.30	2	20/2	FC-6	0.30
3			0.30	4			0.30
5	20/2	FC-2	0.40	6	20/2	FC-7	0.30
7			0.40	8			0.30
9	20/2	FC-3	0.30	10	20/2	HRU-1	0.25
11			0.30	12			0.25
13	20/2	FC-4	0.30	14	20/2	HRU-2	0.03
15			0.30	16			0.03
17	20/2	FC-5	0.43	18	-/1	SPACE	0.00
19			0.43	20	-/1	SPACE	0.00
21	-/1	SPACE	0.00	22	-/1	SPACE	0.00
23	-/1	SPACE	0.00	24	-/1	SPACE	0.00
25	-/1	SPACE	0.00	26	-/1	SPACE	0.00
27	-/1	SPACE	0.00	28	-/1	SPACE	0.00
29	-/1	SPACE	0.00	30	-/1	SPACE	0.00
TOTAL CONNECTED KVA BY PHASE			2.60	TOTAL CONNECTED KVA BY PHASE			2.60
TOTAL CONNECTED AMPS BY PHASE			21.67	TOTAL CONNECTED AMPS BY PHASE			21.67
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.00	0.00	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.85	1.06	(125%)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	4.35	4.35	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		5.20		TOTAL KVA		5.41	
TOTAL AMPS		22.55		TOTAL AMPS		22.55	

ROOM MOUNTING FLUSH FED FROM MS NOTE		VOLTS 240/120V 2P 3W BUS AMPS 125 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A B
1	20/1	PANEL DM1	0.15	2	20/1	PANEL DM11	0.24
3	20/1	PANEL DM2	0.07	4	20/1	PANEL DM12	0.26
5	20/1	PANEL DM3	0.10	6	20/1	PANEL DM13	0.27
7	20/1	PANEL DM4	0.04	8	20/1	PANEL DM14	0.53
9	20/1	PANEL DM5	0.03	10	20/1	PANEL DM15	0.06
11	20/1	PANEL DM6	0.15	12	20/1	PANEL DM16	0.04
13	20/1	PANEL DM7	0.24	14	20/1	PANEL DM17	0.51
15	20/1	PANEL DM8	0.15	16	20/1	PANEL DM18	0.11
17	20/1	PANEL DM9	0.48	18	20/1	PANEL DM19	0.09
19	20/1	PANEL DM10	0.05	20	-/1	SPACE	0.00
21	-/1	SPACE	0.00	22	-/1	SPACE	0.00
23	-/1	SPACE	0.00	24	-/1	SPACE	0.00
25	-/1	SPACE	0.00	26	-/1	SPACE	0.00
27	-/1	SPACE	0.00	28	30/1	TESLA BATTERY(IF INSTALLED)	0.00
29	-/1	SPACE	0.00	30	-/1	SPACE	0.00
TOTAL CONNECTED KVA BY PHASE			2.16	TOTAL CONNECTED KVA BY PHASE			1.40
TOTAL CONNECTED AMPS BY PHASE			17.97	TOTAL CONNECTED AMPS BY PHASE			11.68
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	3.56	4.45	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	0.00	0.00	(N/A)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		3.56		TOTAL KVA		4.45	
TOTAL AMPS		18.53		TOTAL AMPS		18.53	

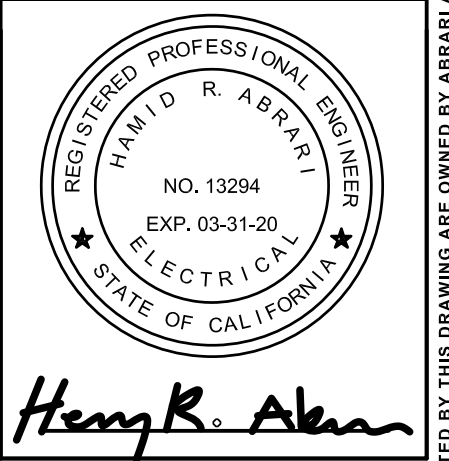
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2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	
9	X	
10	X	
11	X	
12	X	
13	X	
14	X	
15	X	
16	X	
17	X	
18	X	
19	X	
20	X	
21	X	
22	X	
23	X	
24	X	
25	X	
26	X	
27	X	
28	X	
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41	X	
42	X	
43	X	
44	X	
45	X	
46	X	
47	X	
48	X	
49	X	
50	X	

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PROJECT

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SHEET TITLE

PANEL SCHEDULES

PROJECT NO.: 16-

SCALE: NONE

DATE: 06-04-18

BY: VA

CHECKED: HRA

DRAWING NO. **E-2.1**

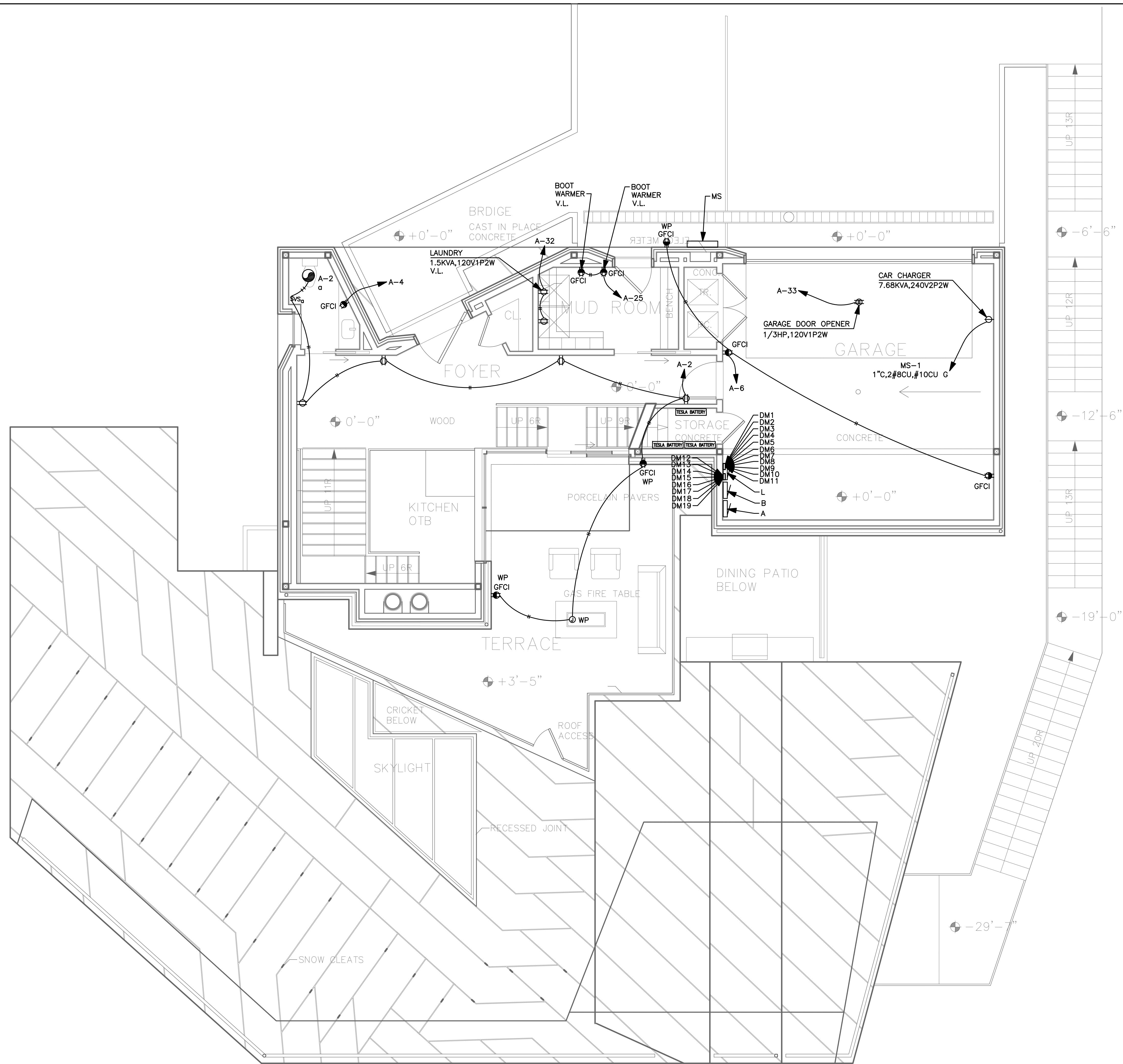
ROOM MOUNTING FLUSH FED FROM UTILITY NOTE		VOLTS 120V 1P 2W BUS AMPS 60 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A
1	-/1	LTG	0.02	2	-/1	BATHROOM LTG	0.01
3	-/1	GUEST ROOM LTG	0.10	4	-/1	BATHROOM LTG	0.01
TOTAL CONNECTED KVA BY PHASE			0.15	TOTAL CONNECTED KVA BY PHASE			0.15
TOTAL CONNECTED AMPS BY PHASE			1.22	TOTAL CONNECTED AMPS BY PHASE			1.22
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.15	0.18	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	0.00	0.00	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		0.15		TOTAL KVA		0.18	
TOTAL AMPS		1.53		TOTAL AMPS		1.53	

ROOM MOUNTING FLUSH FED FROM UTILITY NOTE		VOLTS 120V 1P 2W BUS AMPS 60 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A
1	-/1	LOWER PATIO LTG	0.07	2	-/1	SPACE	0.00
3	-/1	SPACE	0.00	4	-/1	SPACE	0.00
TOTAL CONNECTED KVA BY PHASE			0.07	TOTAL CONNECTED KVA BY PHASE			0.07
TOTAL CONNECTED AMPS BY PHASE			0.60	TOTAL CONNECTED AMPS BY PHASE			0.60
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.07	0.09	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	0.00	0.00	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		0.07		TOTAL KVA		0.09	
TOTAL AMPS		0.75		TOTAL AMPS		0.75	

ROOM MOUNTING FLUSH FED FROM UTILITY NOTE		VOLTS 120V 1P 2W BUS AMPS 60 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A
1	-/1	KID'S ROOM LTG	0.02	2	-/1	KID'S BATHROOM LTG	0.02
3	-/1	KID'S BATHROOM LTG	0.01	4	-/1	FOYER LTG	0.04
TOTAL CONNECTED KVA BY PHASE			0.10	TOTAL CONNECTED KVA BY PHASE			0.10
TOTAL CONNECTED AMPS BY PHASE			0.80	TOTAL CONNECTED AMPS BY PHASE			0.80
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.10	0.12	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	0.00	0.00	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		0.10		TOTAL KVA		0.12	
TOTAL AMPS		1.00		TOTAL AMPS		1.00	

ROOM MOUNTING FLUSH FED FROM UTILITY NOTE		VOLTS 120V 1P 2W BUS AMPS 60 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD			
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A
1	-/1	BATHROOM LTG	0.02	2	-/1	BATHROOM LTG	0.01
3	-/1	SPACE	0.00	4	-/1	SPACE	0.00
TOTAL CONNECTED KVA BY PHASE			0.04	TOTAL CONNECTED KVA BY PHASE			0.04
TOTAL CONNECTED AMPS BY PHASE			0.30	TOTAL CONNECTED AMPS BY PHASE			0.30
CONN KVA		CALC KVA	CONN KVA	CALC KVA	CONN KVA		CALC KVA
LIGHTING	0.04	0.05	(125%)	CONTINUOUS	0.00	0.00	(125%)
LARGEST MOTOR	0.00	0.00	(N/A)	HEATING	0.00	0.00	(N/A)
OTHER MOTORS	0.00	0.00	(100%)	COOLING	0.00	0.00	(N/A)
RECEPTACLES	0.00	0.00	(50%*10)	NONCONTINUOUS	0.00	0.00	(100%)
KITCHEN EQUIP	0.00	0.00	(N/A)	DIVERSE	0.00	0.00	(N/A)
				METERED DEMAND	0.00	0.00	(125%)
TOTAL KVA		0.04		TOTAL KVA		0.05	
TOTAL AMPS		0.38		TOTAL AMPS		0.38	

ROOM MOUNTING FLUSH FED FROM UTILITY NOTE		VOLTS 120V 1P 2W BUS AMPS 60 NEUTRAL 100%		AIC 22,000 MAIN BKR MLO LUGS STANDARD	
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD K		



1 ENTRY LEVEL POWER PLAN
SCALE: 1/4"=1'-0"

PLAN REVIEW ACCEPTANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:

BUILDING STRUCTURAL
 MECHANICAL PLUMBING
 ELECTRICAL ENERGY
 ACCESSIBILITY FIRE

PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.

BY: MEM DATE: 07/11/18
WEST COAST CODE CONSULTANTS, INC.

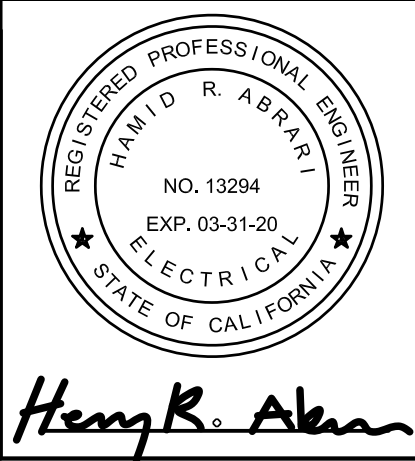
REV.	DATE	BY	DESCRIPTION
A	X		
B	X		
C	X		
D	X		

ABRARI ASSOCIATES
ELECTRICAL ENGINEERS

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PROJECT

POWDER MOUNTAIN HOUSE
8645 EAST COPPER CREST,
EDEN, UT 84310



SHEET TITLE

ENTRY LEVEL POWER PLAN

PROJECT NO.: 16-
SCALE: 1/4"=1'-0"
DATE: 06-04-18
BY: VA
CHECKED: HRA
DRAWING NO. **E-6.1**

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