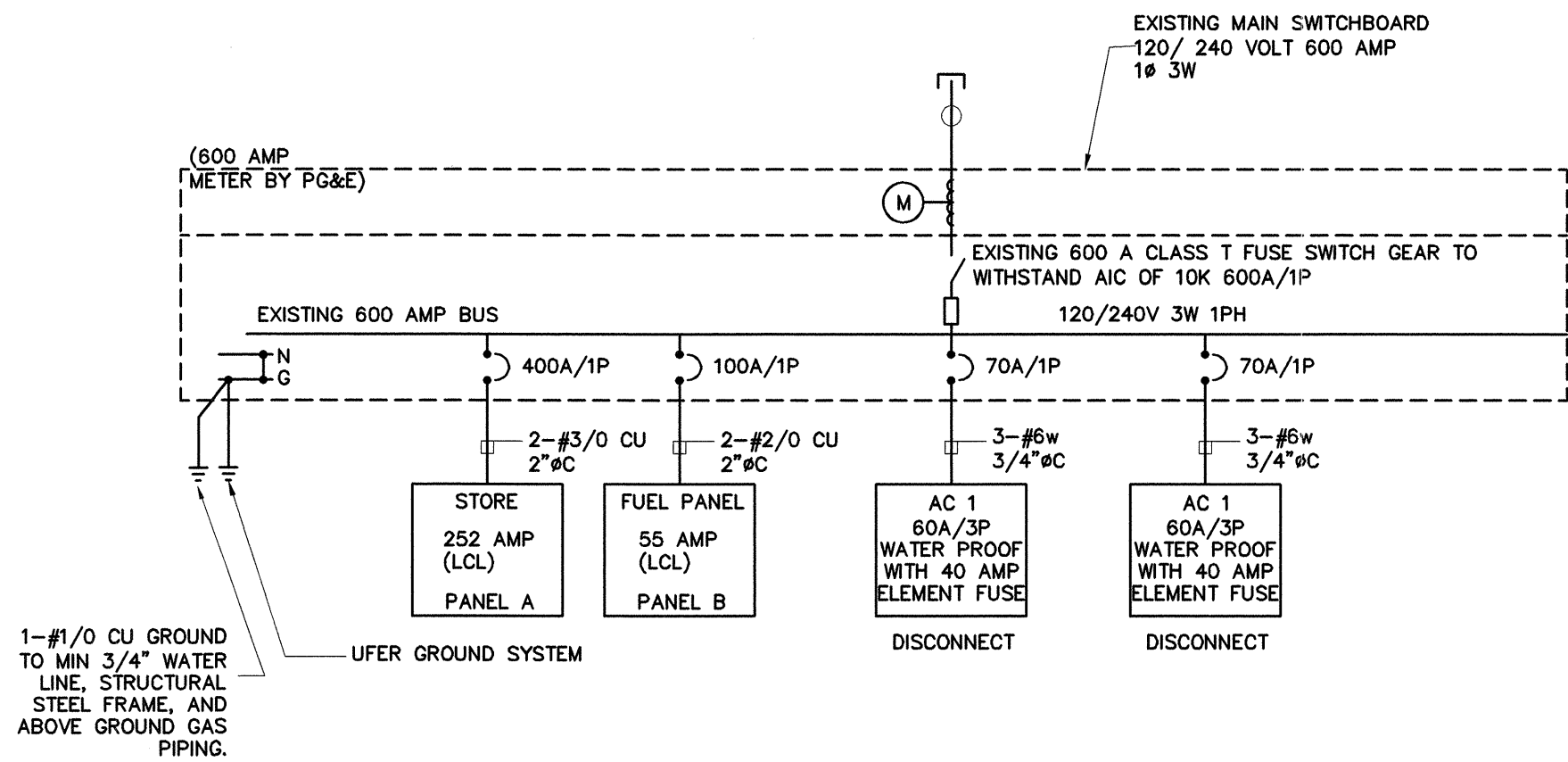


TYP. ROOF TOP MTD. HVAC UNIT ELEC. CONN. DETAIL

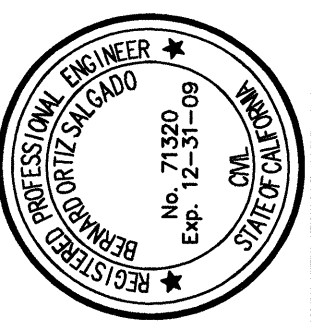
NTS



SINGLE LINE DIAGRAM

SCALE: NTS

GAS STATION/CONVENIENCE STORE															REV	DATE/DESC
BUS AMPS 600 MFR. C-HAMMER OR EQUAL LOC. EXTERIOR WALL MTG. WALL SURFACE MAIN AMPS 600/1P																
PHASE 1 WIRES 3 VOLTS 120/240V FEEDER SEE 1-LINE AT TOP AIC RATING 10K																
DESCRIPTION	A	B	C	VOLT-AMPS	OUTLETS	BKR.	WIRE	BUS CONNECTION	WIRE	BKR.	OUTLETS	VOLT AMPS	DESCRIPTION	A	B	C
RECEPTACLES	1800				10	20	12	1	2	12	1	20	8	1440		
GFI OUTLETS ON ROOF	360				2	20	12	3	4	12	1	20	7	832		
LIGHTING	1152				9	20	12	5	6	12	1	20	9	1152		
COOLER/FREEZER LIT	432				8	20	12	7	8	12	1	20	3	300		
WALLPACKS	1225				7	20	12	9	10	12	1	20	4	1200		
EX. PARKING LIGHTS	2200				2	20	12	11	12	12	1	20	1	1000		
CANOPY LIT CEILING PACK	1500				20	1	12	13	14	12	20	1		2400		
CANOPY LIT CEILING PACK	1500				20	1	12	15	16	12	20	1	3	540		
AIR CURTAIN	1800				1	20	12	17	18	12	20	1		1200		
F8 BREAD WARMER	1800				1	20	12	19	20	12	15	1		1600		
F7 MICROWAVE	1000				1	20	12	21	22	12	15	1		1600		
F37 HOT DOG ROLLER	1000				1	15	12	23	24	12	15	1		1500		
F39 NACHO MACHINE	720				1	15	12	25	26	12	15	1		984		
F34 COFFEE MAKER	700				1	15	12	27	28	12	15	1		920		
F33 ATM MACHINE	600				1	15	12	29	30	12	15	1		3360		
AC-1	4000				31			32	33	12	40	1		3360		
CONNECTED LOAD	2188				33			34	35	12	40	1		4000		
LOAD DATA BY PHASE															DEMAND CALCULATIONS	
PHASE A VOLT-AMPS : 48575 VA															TOTAL CONNECTED VA = 48575 VA	
PHASE B VOLT-AMPS : 12144 VA															LONG CONTINUOUS LOADS (LCL) 125% = 12144 VA	
PHASE C VOLT-AMPS : 44575 VA															TOTAL DEMAND LOAD = 60719 VA	
TOTAL CONNECTED VOLT-AMPS = 44575 VA															TOTAL DEMAND LOAD = 60719 VA	
TOTAL DEMAND AMPS = 55718 VOLTS-AMPS															PHASE VOLTAGE 240 VOLTS = 252 AMPS	
FUEL PANEL																
BUS AMPS 125 MFR. C-H LOC. BY KITCHEN MTG. FLUSH MAIN AMPS 100A/2P																
PHASE 1 WIRES 3 VOLTS 120/208V FEEDER 1-LINE AT E-2.0 AIC RATING 25K																
DESCRIPTION	A	B	C	VOLT-AMPS	OUTLETS	BKR.	WIRE	BUS CONNECTION	WIRE	BKR.	OUTLETS	VOLT AMPS	DESCRIPTION	A	B	C
DISPENSER	1200				2	20	12	1	2	12	1	20				
1-4 SN					2	20	12	3	4	12	1	20				
87	1400				2	20	12	5	6	12	1	20				
TURBINE	1400				2	20	12	7	8	12	1	20				
89	1400				2	20	12	9	10	12	1	20				
TURBINE	1400				2	20	12	11	12	12	1	20				
91	1400				2	20	12	13	14	12	1	20				
TURBINE	1400				2	20	12	15	16	12	1	20				
TURBINE	1400				2	20	12	17	18	12	1	20				
TURBINE	1400				2	20	12	19	20	12	1	20				
TLS 350	800				2	20	12	21	22	12	1	20				
DATA PLUGS	600				2	20	12	23	24	12	1	20				
ELECT RM LITE	100				2	20	12	25	26	12	1	20				
ES C POWER	100				2	20	12	27	28	12	1	20				
ES C POWER	100				2	20	12	29	30	12	1	20				
ES C POWER	100				2	20	12	31	32	12	1	20				
ES C POWER	100				2	20	12	33	34	12	1	20				
ES C POWER	100				2	20	12	35	36	12	1	20				
ES C POWER	100				2	20	12	37	38	12	1	20				
ES C POWER	100				2	20	12	39	40	12	1	20				
CONNECTED LOAD	8900				4300											
LOAD DATA BY PHASE															DEMAND CALCULATIONS	
PHASE A VOLT-AMPS : 11200 VA															TOTAL CONNECTED VA = 11200 VA	
PHASE B VOLT-AMPS : 280 VA															LONG CONTINUOUS LOADS (LCL) AT 25% = 280 VA	
PHASE C VOLT-AMPS : 11480 VA															TOTAL DEMAND LOAD = 11480 VA	
TOTAL CONNECTED VOLT-AMPS = 11480 VA															TOTAL DEMAND LOAD = 11480 VA	
TOTAL DEMAND AMPS = 11480 VOLTS-AMPS															PHASE VOLTAGE 208 VOLTS = 55 AMPS	



THESE PLANS PREPARED UNDER THE DIRECT SUPERVISION OF:
 Raymond O. Salcedo
 1129 Union Avenue
 Bakersfield, Ca 93301
 DATE 7/13/09

1129 Union Avenue
 Bakersfield, Ca 93301

LINE DIAGRAM AND
 PANEL SCHEDULE

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DATE: 03-26-09
 SCALE: AS NOTED
 DRAWN: AA/LJF
 JOB NO: 0734

E-3.0