



SYMBOL	QTY	DESCRIPTION
	1	400 AMP MB TYPE, 120/208V 3-PHASE (54 SPACE) NEMA 1 (100 AMP SUB PANEL)
	3	60 AMP NDN FUSED NEMA 3 DISCONNECT
	6	2X4 2-TUBE T5 FLUORESCENT RECESS TRDFFER FINELITE HPR2X4SCD2T5 OR EQUAL (56W)
	5	2X4 1-TUBE T5 FLUORESCENT RECESS TRDFFER FINELITE HPR2X4SCD1T5 OR EQUAL (28W)
	3	1X4 2-TUBE FLUORESCENT HANGING FIXTURE HE WILLIAMS 174232EB2UNV OR EQUAL (56W)
	18	1X4 1-TUBE FLUORESCENT SURFACE MOUNT FINELITE S16VCB1T5WSQ OR EQUAL (28W)
	5	4' 1-TUBE T5 RECESS CEILING FLUORESCENT LC 21-1-4-T5 W/EXTENSIONIS OR EQUAL (28W)
	12	70 WATT HPS WALL PACK WITH PHOTO CELL
	2	LED EXIT EMERGENCY LIGHT WITH BATTERY BACKUP
	1	LED EXIT LIGHT WITH BATTERY BACKUP
	1	EMERGENCY LIGHT WITH BATTERY BACKUP
	3	100 CFM (VQ)M200 200 CFM OMED CEILING EXHAUST VENTED TO EXTERIOR
	4	20 AMP 120V WHITE SINGLE POLE TOGGLE SWITCH
	9	20 AMP 120V WHITE SINGLE POLE OCCUPANCY SENSOR SWITCH
	5	20 AMP 120V WHITE DUPLEX RECEPTACLE
	2	20 AMP 120V WHITE DUPLEX RECEPT WITH USB PORT
	7	20 AMP 120V WHITE RECEPTACLE GFCI TYPE
	3	20 AMP 120V WHITE RECEPTACLE GFCI WP EXTERIOR WITH INUSE COVER
	1	20 AMP 120V WHITE DUPLEX RECEPTACLE DEDICATED
	0	20 AMP 120V WHITE DUPLEX RECEPTACLE SPLIT CIRCUIT
	0	20 AMP 120V WHITE QUAD RECEPTACLE 5-20R
	7	20 AMP 120V WHITE QUAD RECEPTACLE DEDICATED 5-20R
	0	20 AMP 120V WHITE QUAD RECEPT SPLIT CIRCUIT 5-20R
	2	30 AMP 120V L5-30R SINGLE TWIST LOCK RECEPTACLE
	5	DOUBLE GANG J-BOX WITH (2) 20 AMP DEDICATED CIRCUITS FOR MODULAR FURNITURE

PANEL - 400 AMP MB TYPE 120/208 VOLT 3-PHASE NEMA 1 (10,000 AIC)									
CKT#	BREAKER	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	BREAKER	CKT#	
1,3	50A-2P	HEAT PUMP	2,000	4,800	2,000	4,800			
5,7	50A-2P	HEAT PUMP	2,000	4,800					
9,11	20A-2P	WATER HEATER	1,250	1,140	1,250	1,140			
13,15	15A-2P	DAKIN OUTDOOR	1,212	1,260	1,212				
17	20A-1P	LIGHTS			540				
19	20A-1P	RECEPT	1,440	1,440		1,304	1,271		
21	20A-1P	RECEPT		1,440	900				
23	20A-1P	RECEPT			720	2,880			
25	20A-1P	RECEPT	720	2,880					
27	20A-1P	RECEPT		720	720				
29	20A-1P	RECEPT			720	720			
31	20A-1P	RECEPT	720	720					
33	100A-3P	SITE CANOPY	720	720	4,440	720			
35		SITE CANOPY			3,312				
37		SITE CANOPY	4,356						
39	20A-1P	SPARE							
41	20A-1P	SPARE							
43	20A-1P	SPARE							
45	20A-1P	SPARE							
47	20A-1P	SPARE							
49	20A-1P	SPARE							
51	20A-1P	SPARE							
52	20A-1P	SPARE							
TOTAL WATTS PER PHASE			28,348	19,882	20,117				
ADD 125 LOAD FACTOR (37,027 WATTS X .25)					9,257				
TOTAL LOADED WATTS					77,604				
TOTAL AMPS (WATTS DIVIDED BY 208V VOLT DIVIDED BY 1.732)					215.5				

PROFESSIONAL STAMP

CUSTOMER APPROVAL	
APPROVED	
APPROVED AS NOTED	
REVISE & RESUBMIT	
SIGNATURE	
DATE	

ELECTRICAL PLAN (EL PASO, TX)



1719 MUELLER LANE - TROY, TEXAS 76789

BORDER PATROL 28X82 MODULAR OFFICE
27'-0" X 82'-0" (13'-6"X44'-0" & 13'-6"X38'-0" MODULES)

SCALE: 1/4"=1'-0" DATE: 7/27/16 PROJ# XXXX-XX/XX

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