

ELECTRIC SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE		SINGLE POLE SWITCH
	120V QUAD RECEPTACLE		THREE WAY SWITCH
	120V DUPLEX RECEPTACLE W/ (3) USB		OCCUPANCY SENSOR SWITCH
	120V GFCI DUPLEX RECEPTACLE		PHOTOCELL
	120V GFCI WATERPROOF DUPLEX		MOTOR W/ LIGHT
	208V RECEPTACLE		JUNCTION BOX
	120V DUPLEX FLOOR RECEPTACLE		SAFETY SWITCH
	WALL LIGHT FIXTURE		TELEPHONE RECEPTACLE
	CEILING FIXTURE		CAT6 NETWORK RECEPTACLE
	REMNANT CEILING FIXTURE		TELEPHONE/CAT6 NETWORK RECEPT.
	2X2 LED LIGHT FIXTURE		CABLE TELEVISION RECEPTACLE
	REMOTE EM. LIGHT HEAD		CIRCUIT LEG & CIRCUIT #
	BATTERY PACK/EM. LIGHTS		HEIGHT ABOVE FINISHED FLOOR
	DOOR BELL - BUTTON		FIRE ALARM PULL
	DOOR BELL		FIRE ALARM STROBE
	SMOKE DETECTOR		FIRE ALARM HORN & STROBE
	HEAT DETECTOR		FIRE ALARM HORN

KEY NOTE:
 ① LOCATE PANELS MD, LPI AND LP2 IN ELECTRICAL ROOM ON FIRST FLOOR AS SHOWN ON DRAWING.

FIRST FLOOR POWER PLAN
 SCALE : 1/8" = 1' - 0"

PANEL 'KP'

200 AMP 120/208 3Ø 60HZ 3Ø SPACE PANEL BOARD - SOLID NEUTRAL - GROUND BAR KIT - 4 WIRE - #4/0 CU AND ONE #6 GND IN 2 1/2" CONDUIT, MAIN LUG ONLY

CIRCUIT	WIRE	LOAD (KW)/ LOCATION	CIRCUIT	BREAKER	MAIN	BREAKER	CIRCUIT	LOAD (KW)/ LOCATION	WIRE	CIRCUIT
1	12	LIGHTS 0.3 KW/ KITCHEN	2	20 ASP		20 ASP	2	RECEPT 0.5 KW/ KITCHEN	12	1/2
3	20 ASP	RECEPT. 0.4 KW/ KITCHEN	4	20 ASP		20 ASP	4	RECEPT 0.5 KW/ KITCHEN	12	1/2
5	20 ASP	OVEN 0.8 KW/ KITCHEN	6	20 ASP		20 ASP	6	MICROWAVE 1.0 KW/ KITCHEN	12	1/2
7	20 ASP	EXHAUST HOOD 1.0 KW/ KITCHEN	8	20 ASP		20 ASP	8	RECEPT 1.0 KW/ KITCHEN	12	1/2
9	20 ASP	LIGHTS 0.3 KW/ KITCHEN	10	20 ASP		20 ASP	10	RECEPT 0.5 KW/ KITCHEN	12	1/2
11	20 ASP	RECEPT. 0.4 KW/ KITCHEN	12	20 ASP		20 ASP	12	RECEPT 0.5 KW/ KITCHEN	12	1/2
13	20 ASP	OVEN 0.8 KW/ KITCHEN	14	20 ASP		20 ASP	14	MICROWAVE 1.0 KW/ KITCHEN	12	1/2
15	20 ASP	FANS 1.0 KW/ MU AIR FAN	16	20 ASP		20 ASP	16	DISHWASHER 1.0 KW/ KITCHEN	12	1/2
17	20 ASP		18	20 ASP		20 ASP	18			
19	20 ASP	SPARE	20	20 ASP		20 ASP	20	FREEZER 1.0 KW/ KITCHEN	12	1/2
21	20 ASP	DISHWASHER 1.0 KW/ KITCHEN	22	20 ASP		20 ASP	22			
23	20 ASP		24	20 ASP		20 ASP	24	SPARE		
25	20 ASP	RECEPT. 0.5 KW/ KITCHEN	26	20 ASP		20 ASP	26	RECEPT 0.5 KW/ KITCHEN	12	1/2
27	20 ASP	EXHAUST HOOD 1.0 KW/ ROOF	28	20 ASP		20 ASP	28	SPARE		
29	20 ASP	SPARE	30	20 ASP		20 ASP	30	SPARE		

100 KW TOTAL CONNECTED LOAD 200 KW 100 KW

PANEL 'LPI'

200 AMP 120/208 3Ø 60HZ 42 SPACE PANEL BOARD - SOLID NEUTRAL - GROUND BAR KIT - 4 WIRE - #4/0 CU AND ONE #6 GND IN 2 1/2" CONDUIT, MAIN LUG ONLY

CIRCUIT	WIRE	LOAD (KW)/ LOCATION	CIRCUIT	BREAKER	MAIN	BREAKER	CIRCUIT	LOAD (KW)/ LOCATION	WIRE	CIRCUIT
1	12	LIGHTS 0.3 KW/ STORAGE	13	20 ASP		20 ASP	13	RECEPT. 0.8 KW/ EWC	12	1/2
3	20 ASP	LIGHTS 0.5 KW/ TOILET	15	20 ASP		20 ASP	15	WP RECEPT. 0.8 KW/ EXTERIOR	12	1/2
5	20 ASP	LIGHTS 0.8 KW/ HALL	17	20 ASP		20 ASP	17	RECEPT. 0.3 KW/ SUMP PUMP	12	1/2
7	20 ASP	LIGHTS 1.1 KW/ HALL	19	20 ASP		20 ASP	19	RECEPT. 1.2 KW/ HALL	12	1/2
9	20 ASP	LIGHTS 0.3 KW/ EXTERIOR	21	20 ASP		20 ASP	21	RECEPT. 0.8 KW/ OFFICE 2	12	1/2
11	20 ASP	RECEPT. 1.0 KW/ STORAGE	23	20 ASP		20 ASP	23	RECEPT. 0.4 KW/ TOILETS	12	1/2
13	20 ASP	RECEPT. 0.8 KW/ KITCHEN	25	20 ASP		20 ASP	25	UNIT HEATER FOR RISER ROOM	25	20 ASP
15	20 ASP	WP RECEPT. 0.8 KW/ EXTERIOR	27	20 ASP		20 ASP	27			
17	20 ASP	RECEPT. 0.3 KW/ SUMP PUMP	29	20 ASP		20 ASP	29	RECEPT. 0.8 KW/ CLASSROOM	12	1/2
19	20 ASP	RECEPT. 1.2 KW/ HALL	31	20 ASP		20 ASP	31	LIGHTS 1.0 KW/ PARKING	10	1
21	20 ASP	RECEPT. 0.8 KW/ OFFICE 2	33	20 ASP		20 ASP	33			
23	20 ASP	RECEPT. 0.4 KW/ TOILETS	35	20 ASP		20 ASP	35	J-BOX 6.0KW/ELEC. WTR. HTR	35	30 ASP
25	20 ASP	UNIT HEATER FOR RISER ROOM	37	20 ASP		20 ASP	37			
27	20 ASP		39	20 ASP		20 ASP	39	SPARE		
29	20 ASP	RECEPT. 0.8 KW/ CLASSROOM	41	20 ASP		20 ASP	41	SPARE		

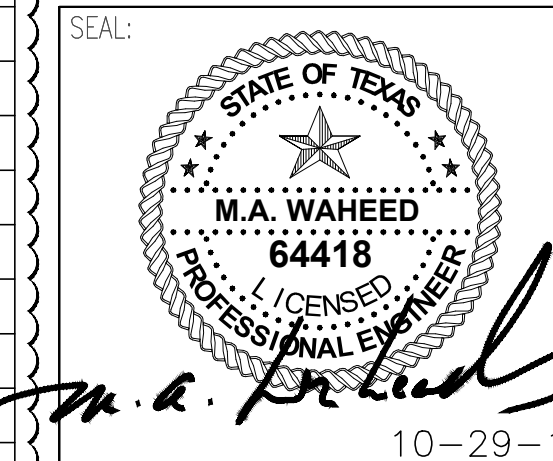
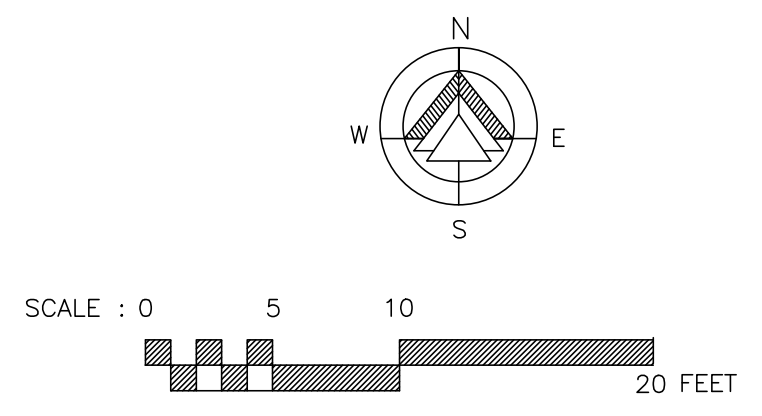
120 KW TOTAL CONNECTED LOAD 240 KW 120 KW

PANEL 'LP-3'

125 AMP 120/208 3Ø 60HZ 3Ø SPACE PANEL BOARD - SOLID NEUTRAL - GROUND BAR KIT - 4 WIRE - #1/0 CU AND ONE #6 GND IN 1 1/2" CONDUIT, MAIN LUG ONLY

CIRCUIT	WIRE	LOAD (KW)/ LOCATION	CIRCUIT	BREAKER	MAIN	BREAKER	CIRCUIT	LOAD (KW)/ LOCATION	WIRE	CIRCUIT
1	20 ASP	SPARE	1	20 ASP		20 ASP	2	SPARE		
3	20 ASP	SPARE	3	20 ASP		20 ASP	4	SPARE		
5	20 ASP	SPARE	5	20 ASP		20 ASP	6	SPARE		
7	20 ASP	SPARE	7	20 ASP		20 ASP	8	SPARE		
9	20 ASP	SPARE	9	20 ASP		20 ASP	10	SPARE		
11	20 ASP	SPARE	11	20 ASP		20 ASP	12	SPARE		
13	20 ASP	SPARE	13	20 ASP		20 ASP	14	SPARE		
15	20 ASP	SPARE	15	20 ASP		20 ASP	16	SPARE		
17	20 ASP	SPARE	17	20 ASP		20 ASP	18	SPARE		
19	20 ASP	SPARE	19	20 ASP		20 ASP	20	SPARE		
21	20 ASP	SPARE	21	20 ASP		20 ASP	22	SPARE		
23	20 ASP	SPARE	23	20 ASP		20 ASP	24	SPARE		
25	20 ASP	SPARE	25	20 ASP		20 ASP	26	SPARE		
27	20 ASP	SPARE	27	20 ASP		20 ASP	28	SPARE		
29	20 ASP	SPARE	29	20 ASP		20 ASP	30	SPARE		

100 KW TOTAL CONNECTED LOAD 200 KW 100 KW



CONSULTANT:
WAHEED CONSULTING
 MECHANICAL-ELECTRICAL-PLUMBING SYSTEM DESIGNS
 Registration No. F-6336

09-16-2016 REVISED ELECTRICAL PLAN
 08-17-2016 ELECTRICAL ROOM REVISION
 date 10-05-2015 RELEASE FOR CONSTRUCTION
 scale AS NOTED
 drawn by CADD-NV

SHASHI D. PATEL AIA NCARB
 ARCHITECTS AND PLANNERS
 442 EAST END AVE. STE-B. PITTSBURGH PA 15221

FIRST FLOOR POWER PLAN
 CONSTRUCTION DOCUMENT PHASE

RADHA KRISHNA TEMPLE
 ALLEN TEXAS

dwg. 07162013
 no. E-3

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