

Order Plans

PANELBOARD HP1		NEMA ENCLOSURE 1		AIC RATING EXISTING						
PANEL TYPE AE		MOUNTING SURFACE		NOTES EXISTING PANEL TO REMAIN. EXISTING BREAKERS TO REMAIN UNLESS NOTED.						
MAIN BREAKER		VOLTAGE 480/277V MAINS 400A MCB		PHASE 3 WIRE 4						
		PANEL MAX AMPS 400A		OPTIONS						
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	APU - 4	400	HACR	0.298	A	0.298		400	CU - 4	2
3	APU - 5	400	HACR	0.256	B	0.256		400	CU - 5	4
5	APU - 6	200	HACR	0.543	C	0.543		200	CU - 6	6
7	SPACE								SPACE	8
9	SPACE								SPACE	10
11	SPACE								SPACE	12
13	SPACE								SPACE	14
15	SPACE								SPACE	16
17	SPACE								SPACE	18
19	SPACE								SPACE	20
21	SPACE								SPACE	22
23	SPACE								SPACE	24
25	SPACE								SPACE	26
27	SPACE								SPACE	28
29	SPACE								SPACE	30
31	SPACE								SPACE	32
33	SPACE								SPACE	34
35	SPACE								SPACE	36
37	SPACE								SPACE	38
39	SPACE								SPACE	40
41	SPACE								SPACE	42

PANELBOARD LP1		NEMA ENCLOSURE 1		AIC RATING EXISTING						
PANEL TYPE AQ		MOUNTING SURFACE		NOTES EXISTING PANEL TO REMAIN. EXISTING BREAKERS TO REMAIN UNLESS NOTED.						
MAIN BREAKER		VOLTAGE 208/120V MAINS 225A MCB		PHASE 3 WIRE 4						
		PANEL MAX AMPS 225A		OPTIONS						
1	REC - ROCK PAPER	20/1	LCP	0.580	A	0.582	LCP	20/1	TRACK - Z3 - SHOW WINDOW	3
3	TRACK - Z1 - SALES	20/1	LCP	0.912	B	1.728	LCP	20/1	TRACK - Z2 - SALES	5
5	TRACK - Z1 - SALES	20/1	LCP	1.656	C	1.248	LCP	20/1	TRACK - Z2 - SALES	7
7	LTG - EM / NL SALES	20/1	LO	1.739	A	1.200	LCP	20/1	LTG - Z4 - SIGNAGE	9
9	LTG - EM / NL BOH	20/1	LO	0.371	B	1.178	LCP	20/1	LTG - Z2 - STOCKROOM	11
11	LTG - Z1 - STOCKROOM	20/1	LCP	1.116	C	0.900	LCP	20/1	REC - Z3 - SHOW WINDOW	13
13	REFRIGERATOR	20/1	GFCI	0.900	A	0.900	LCP	20/1	REC - Z3 - SHOW WINDOW	15
15	WATER HEATER	20/1		1.500	B	0.422		20/1	LTG - RESTROOM OFFICE	17
17	REFRIGERATOR - UNDER COUNTER	20/1	GFCI	0.900	C	0.200		20/1	RESTROOM FAUCETS	19
19	HAND DRYER	20/1		1.200	A	1.440		20/1	REC - SALES	21
21	HAND DRYER	20/1		1.200	B	1.080		20/1	REC - FLOORBOX	23
23	MICROWAVE	20/1		1.200	C	1.440		20/1	REC - FLOORBOX	25
25	REC - CONSULT TABLE	20/1		0.540	A	1.440		20/1	REC - SALES	27
27	REC - DESIGN TABLE	20/1		0.540	B	1.260		20/1	REC - FLOORBOX	29
29	REC - DESIGN TABLE IG	20/1	LO	0.720	C	1.200		20/1	REC - STOCKROOM / CORR	31
31	REC - RESOURCE POS IG	20/1	LO	0.180	A	1.200		20/1	REC - Z2 - PLUGMOLD	33
33	REC - RESOURCE PRINTER IG	20/1	LO	0.180	B	1.800	LCP	20/1	REC - Z2 - PLUGMOLD	35
35	REC - SHIP / REC	20/1	LO	0.720	C	1.080		20/1	REC - CONSULT TABLE IG	37
37	REC - SHIP / REC IG	20/1	LO	0.720	A	2.720				39
39	REC - SHIP / REC IG	20/1	LO	0.360	B	2.720				41
41	REC - SHIP / REC	20/1		0.360	C	2.720				43

DESCRIPTION	ACTUAL CONNECTED KVA	DEMAND FACTOR	ACTUAL DEMAND KVA
TRACK	0.00	1.25	7.62
LIGHTING	6.03	1.25	7.53
GEN. PURPOSE RECEPTACLE (208V)	26.5	1.0 * 10KVA	18.2
FIXED ELECTRIC (208V)	0.0	1.0 * 25% LARGEST	0.0
AIR CONDITIONING EQUIPMENT (208V)	0.0	1.0 * 25% LARGEST **	0.0
ELECTRIC WATER HEATER	1.5	1.0	1.5
MISCELLANEOUS LOADS	6.0	1.0	6.0
TOTAL	48.1		40.9

NOTES: * USE GREATER VALUE OF THE TWO CATEGORIES WHERE LOADS ARE NON-CONCURRENT
** 125% OF LARGEST COMPRESSOR MOTOR IN SYSTEM APPLIES TO ONLY ONE UNIT.

MINIMUM REQUIRED TRANSFORMER CAPACITY: 41 KVA
TRANSFORMER TO BE INSTALLED: 75 KVA

PANEL SCHEDULE KEYED NOTES
① NEW BREAKERS TO BE INSTALLED.

NOTE: IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROPERLY BALANCE ALL BRANCH CIRCUITS BETWEEN THE PHASES OF THE SYSTEM, REGARDLESS OF CIRCUITING INDICATED.

BREAKER OPTIONS	
LO	HANDLE LOCK-OFF DEVICE
LF	HANDLE LOCK-OFF DEVICE
PA	HANDLE PADLOCK DEVICE
ST	SHUNT TRIP BREAKER
AS	POWER LINK AS BREAKER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER BREAKER
HACR	HEATING, A/C, & REFRIGERATION RATED BREAKER
AUX	AUXILIARY CONTACTS
LCP	LIGHTING CONTROL PANEL
CLP	CURRENT LIMITING PANEL

ISSUED / REVISED	DATE
FEASIBILITY SET	08/10/17
PRELIMINARY SET	09/28/17
LL CD SET	11/30/17
PERMIT SET	12/18/17
BID SET	01/04/18

POTTERY BARN
PANEL SCHEDULES

E-501

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This document is released under the authority of:
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