

F  
E  
D  
C  
B  
A

PANELBOARD HP1 PANEL TYPE AE		NEMA ENCLOSURE 1 MOUNTING SURFACE		AIC RATING EXISTING		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										2
3	APU - 4	400	HACR	0.800	A	0.256			CU - 4	4
5				0.800	B	0.256				6
7				0.800	C	0.256				8
9	APU - 5	400	HACR	0.800	A	0.256			CU - 5	10
11				0.800	B	0.256				12
13				0.800	C	0.256				14
15	APU - 6	200	HACR	0.155	A	0.543			CU - 6	16
17				0.155	B	0.543				18
19				0.155	C	0.543				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

  

SUBFEED		PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
		A	13.628			TRANSFORMER	
		B	13.628				
		C	13.628				
		TOTAL	40.884				

  

ACTUAL CONNECTED KVA		N.E.C. DEMAND KVA		N.E.C. DEMAND AMPS
62.624	PHASE A	62.624		235 AMPS
62.624	PHASE B	62.624		
62.624	PHASE C	62.624		
187.871	TOTAL	187.871		

DESCRIPTION	ACTUAL CONNECTED KVA	DEMAND FACTOR	ACTUAL DEMAND KVA
TRACK	0	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 **	1.0 * 25% LARGEST	0 *
AIR CONDITIONING EQUIPMENT (208V)	0 **	1.0 * 25% LARGEST **	0 *
ELECTRIC WATER HEATER	1.5	1.0	1.5
MISCELLANEOUS LOADS	6	1.0	6
TOTAL	46.1		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.

PANELBOARD LP1 PANEL TYPE AQ		NEMA ENCLOSURE 1 MOUNTING SURFACE		AIC RATING EXISTING		NOTES EXISTING PANEL TO REMAIN. EXISTING BREAKERS TO REMAIN UNLESS NOTED.				
MAIN BREAKER		VOLTAGE 208/120V MAINS MLO		PHASE 3 WIRE 4		PANEL MAX AMPS 225A OPTIONS				
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	REC - ROCK PAPER	20/1		0.580	A	0.562	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		0.720	C	1.080		20/1	REC - CONSULT TABLE IG	37
37	REC - SHIP / REC IG	20/1		0.720	A	2.720				39
39	REC - SHIP / REC IG	20/1		0.720	B	2.720				41
41	REC - SHIP / REC	20/1		0.360	C	2.720				43

  

SUBFEED		PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
		A	15.331			TRANSFORMER	
		B	15.251				
		C	15.500				
		TOTAL	46.082				

  

ACTUAL CONNECTED KVA		N.E.C. DEMAND KVA		N.E.C. DEMAND AMPS
15.331	PHASE A	15.546		134 AMPS
15.251	PHASE B	16.696		
15.500	PHASE C	16.020		
46.082	TOTAL	48.263		

PANELBOARD LP2 PANEL TYPE AQ		NEMA ENCLOSURE 1 MOUNTING SURFACE		AIC RATING 10,000		NOTES				
MAIN BREAKER		VOLTAGE 208/120V MAINS MLO		PHASE 3 WIRE 4		PANEL MAX AMPS 100A OPTIONS				
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	REC - GIFTWRAP	20/1		0.360	A	0.200	LO	20/1	LIGHTING CONTROL PANEL	2
3	REC - GIFTWRAP	20/1		0.360	B	0.180	LO	20/1	REC - SOUND SYSTEM IG	4
5	REC - GIFTWRAP IG	20/1	LO	0.180	C	0.360		20/1	REC - RESTROOM	6
7	REC - MANAGERS IG	20/1		0.360	A	0.180		20/1	REC - EMPLOYEE COUNTER	8
9	REC - MANAGERS	20/1		0.180	B	0.360		20/1	REC - MANAGERS	10
11	REC - MANAGERS IG	20/1	LO	0.180	C	0.360	LO	20/1	REC - MANAGERS IG	12
13	REC - MANAGERS IG	20/1		0.180	A	0.720	LO	20/1	REC - PHONEBOARD IG	14
15	REC - MANAGERS IG	20/1	LO	0.180	B	0.720	LO	20/1	REC - PHONEBOARD IG	16
17	REC - MANAGERS IG	20/1	LO	0.180	C	0.720	LO	20/1	REC - CASHWRAP	18
19	REC - CASHWRAP IG	20/1	LO	0.360	A	0.180	LO	20/1	REC - SERVER IG	20
21	REC - CASHWRAP IG	20/1	LO	0.360	B	0.180	LO	20/1	REC - PRINTER IG	22
23	REC - CASHWRAP IG	20/1	LO	0.360	C	0.360	LO	20/1	REC - CASHWRAP IG	24
25	SPARE	20/1		0.000	A	0.180	LO	20/1	REC - PRINTER IG	26
27	SPARE	20/1		0.000	B	0.200		20/1	SMOKE DETECTORS	28
29	SPARE	20/1		0.000	C	0.000		20/1	SPARE	30
31	SPARE	20/1		0.000	A	0.000		20/1	SPARE	32
33	SPARE	20/1		0.000	B	0.000		20/1	SPARE	34
35	SPARE	20/1		0.000	C	0.000		20/1	SPARE	36
37	SPACE				A				SPACE	38
39	SPACE				B				SPACE	40
41	SPACE				C				SPACE	42

  

SUBFEED		PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
		A	2.720			TRANSFORMER	
		B	2.720				
		C	2.700				
		TOTAL	8.140				

  

ACTUAL CONNECTED KVA		N.E.C. DEMAND KVA		N.E.C. DEMAND AMPS
2.720	PHASE A	2.720		23 AMPS
2.720	PHASE B	2.720		
2.700	PHASE C	2.700		
8.140	TOTAL	8.140		

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-ON 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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DRAWN BY: BMW  
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**WILLIAMS-SONOMA**  
Town Center Virginia Beach  
173/177 Central Park Avenue  
Virginia Beach, VA 23462  
PROJECT #006-151817-00/#006-151412-00