

PANELBOARD HP2			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	PHASE 3		PANEL MAX AMPS 300A					
		MAINS 300A MCB	WIRE 4		OPTIONS					
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	ABU-1	20/1	HACR	4.434	A	4.434	HACR	20/1	CU-1	2
3				4.434	B	4.434				4
5				4.434	C	4.434				6
7	ABU-2	20/1	HACR	5.543	A	5.543	HACR	20/1	CU-2	8
9				5.543	B	5.543				10
11				5.543	C	5.543				12
13	ABU-3	20/1	HACR	2.771	A	2.771	HACR	15/1	CU-3	14
15				2.771	B	2.771				16
17				2.771	C	2.771				18
19	WH-1	20/1		3.333	A				SPACE	20
21				3.333	B				SPACE	22
23				3.333	C				SPACE	24
25									SPACE	26
27									SPACE	28
29									SPACE	30
31									SPACE	32
33									SPACE	34
35									SPACE	36
37									SPACE	38
39	UNUSABLE BUS				B				SPACE	40
41	UNUSABLE BUS				C				UNUSABLE BUS	42

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SUBFEED	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
	A	13.996			TRANSFORMER	
	B	13.996				
C	13.996					

ACTUAL CONNECTED KVA	PHASE A	N.E.C. DEMAND KVA	
45.541	PHASE B	45.541	
45.541	PHASE C	45.541	
136.623	TOTAL	136.623	179 AMPS

PANELBOARD LP3			NEMA ENCLOSURE 1			AIC RATING EXISTING				
PANEL TYPE AQ			MOUNTING SURFACE			NOTES EXISTING PANEL TO REMAIN EXISTING BREAKERS TO REMAIN UNLESS NOTED.				
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	REC-ROOF TOP	20/1		1.296	A	1.296	LCP	20/1	TRACK-Z1-SALES	2
5	TRACK-Z2-SALES	20/1	LCP	1.056	B	0.854	LCP	20/1	LTG-Z1-STOCKROOM/CORR	4
6	TRACK-Z3-SHOW WINDOW	20/1	LCP	0.096	C	1.416	LCP	20/1	TRACK-Z1-SALES	6
7	REC-COOKING COUNTER	20/1		0.062	A	0.062		20/1	LTG-OFFICE	8
9	LTG-Z2-PENDANTS	20/1	LCP	0.182	B	1.200	LCP	20/1	LTG-Z4-SIORAGE	10
11	REC-COOKING COUNTER	20/1		1.800	C	0.988	LO	20/1	LTG-EMAIL	12
13	REFRIGERATOR	20/1	GFCI	0.900	A	1.200		20/1	MICROWAVE	14
15	REFRIGERATOR-SCULLERY	20/1		0.900	B	1.260		20/1	REC-FLOORBOX	16
17	REFRIGERATOR-UNDER COUNTER	20/1	GFCI	0.600	C	0.600	GFCI	20/1	REC-COOKING COUNTER	18
19				1.800	A	1.800		20/1	REC-COOKING COUNTER	20
21	REC-COOKING COUNTER	20/1		1.800	B	1.800		20/1	REC-COOKING COUNTER	22
23	REC-COOKING COUNTER	20/1		1.800	C	1.080		20/1	REC-COOKING COUNTER	24
25	REC-SALES	20/1		0.900	A	0.800		20/1	REC-COOKING COUNTER	26
27	REC-SALES	20/1		1.080	B	1.260		20/1	REC-FLOORBOX	28
29	REC-SALES	20/1		0.720	C	0.240		20/1	REC-COOKING COUNTER	30
31	ICE MAKER	20/1	GFCI	0.500	A	0.240		20/1	SMOKE DETECTORS	32
33	LIGHTING CONTROL PANEL	20/1	LO	0.200	B	0.640		20/1	REC-COFFEE COUNTER	34
35				0.450	C	0.720		20/1	REC-COOKING TOOLS	36
37	WH-2	20/2		2.080	A	3.060				38
39				2.080	B	3.240				40
41	WH-3	20/2		2.080	C	3.300				42

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MAIN BREAKER	MAINS 250A MCB	PHASE 3	WIRE 4	PANEL MAX AMPS 225A
				OPTIONS
ACTUAL CONNECTED KVA		PHASE A	N.E.C. DEMAND KVA	N.E.C. DEMAND AMPS
17,418			15.431	
17,452		PHASE B	16.249	
17,480		PHASE C	19.238	
52,350		TOTAL	50,918	141 AMPS

DESCRIPTION	ACTUAL CONNECTED KVA	DEMAND FACTOR	ACTUAL DEMAND KVA
TRACK	3.333	1.25	4.17
LIGHTING			
GENERAL	3.29	1.25	4.11
LIGHTING			
GEN. PURPOSE	30.8	1.0 x 10KVA	20.4
RECEPTACLE		0.5 x 10KVA	
MOTOR(S)	0	1.0 + 25% LARGEST	0
(208V)			
FIXED ELECTRIC	0**	1.0	0**
SPACE HTS (208V)			
AIR CONDITONING	0**	1.0 + 25% LARGEST**	0**
EQUIPMENT (208V)			
ELECTRIC	8.32	1.0	8.32
WATER HEATER			
MISCELLANEOUS	6.1	1.0	6.1
LOADS			
TOTAL	52.4		43.7

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: 44 KVA
TRANSFORMER TO BE INSTALLED: 75 KVA

PANELBOARD LP4			NEMA ENCLOSURE 1			AIC RATING 10,000				
PANEL TYPE AQ			MOUNTING SURFACE			NOTES				
CCT NO.	LOAD DESCRIPTION	BKR SIZE	BKR OPT	ACTUAL KVA	PHASE	ACTUAL KVA	BKR OPT	BKR SIZE	LOAD DESCRIPTION	CCT NO.
1	REC-MANAGERS IG	20/1	LO	0.360	A	0.360		20/1	REC-SHIP/REC	2
3	REC-MANAGERS IG	20/1		0.900	B	0.720	LO	20/1	REC-GIFTWRAP IG	4
5	REC-MANAGERS IG	20/1	LO	0.720	C	1.080		20/1	REC-SHIP/REC	6
7	REC-MANAGERS IG	20/1		0.720	A	0.180		20/1	REC-SHIP/REC	8
9	REC-CASHWRAP	20/1		0.360	B	0.540		20/1	REC-EMPLOYEE COUNTER	10
11	REC-CASHWRAP IG	20/1	LO	0.360	C	0.180	LO	20/1	REC-SOUND SYSTEM IG	12
13	REC-PHONEBOARD IG	20/1	LO	0.720	A	0.720	LO	20/1	REC-PHONEBOARD IG	14
15	REC-CASHWRAP MW	20/1		0.360	B	0.360		20/1	REC-CASHWRAP IG	16
17	REC-CASHWRAP MW IG	20/1	LO	0.180	C	0.180		20/1	REC-CASHWRAP	18
19	SPARE	20/1		0.000	A	0.000		20/1	SPARE	20
21	SPARE	20/1		0.000	B	0.000		20/1	SPARE	22
23	FOUNTAIN CHILLER	20/1		0.600	C	0.000		20/1	SPARE	24
25	SPARE	20/1		0.000	A	0.000		20/1	SPARE	26
27	SPARE	20/1		0.000	B	0.000		20/1	SPARE	28
29	SPARE	20/1		0.000	C	0.000		20/1	SPARE	30
31	SPACE				A				SPACE	32
33	SPACE				B				SPACE	34
35	SPACE				C				SPACE	36
37	SPACE				A				SPACE	38
39	SPACE				B				SPACE	40
41	SPACE				C				SPACE	42

	VOLTAGE 208/120V	PHASE 3	WIRE 4	PANEL MAX AMPS 100A
	MAINS MLO			OPTIONS
ACTUAL CONNECTED KVA		PHASE A	N.E.C. DEMAND KVA	N.E.C. DEMAND AMPS
3.080			3.080	
3.240		PHASE B	3.240	
3.300		PHASE C	3.300	
9.600		TOTAL	9.600	27 AMPS

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.

PANEL SCHEDULE LEGEND	
BREAKER OPTIONS	
LO	HANDLE LOCK-ON DEVICE
LF	HANDLE LOCK-OFF DEVICE
HT	HANDLE TIE
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

WILLIAMS SONOMA
PANEL SCHEDULES

E-502

OWNER: WILLIAMS-SONOMA, INC.
3250 Van Ness Avenue
San Francisco, CA 94109
T 415 616 8602
F 415 439 8164
www.williams-sonoma.com

EEA
EEA Consulting Engineers
6615 Vaughn Ranch Road, Suite 100
Austin, Texas 78730-2314 USA
512.744.4400 main 512.744.4444 fax
www.eeace.com

State of Registration VIRGINIA
Firm Registration No. 0407 004734
EEA Project No. 20166524

DRAWN BY: BMW
CHECKED BY: SAH

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P O T T E R Y B I L L I
WILLIAMS-SONOMA
Town Center Virginia Beach
173/177 Central Park Avenue
Virginia Beach, VA 23462
PROJECT #006-151817-00/#006-151412-00

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