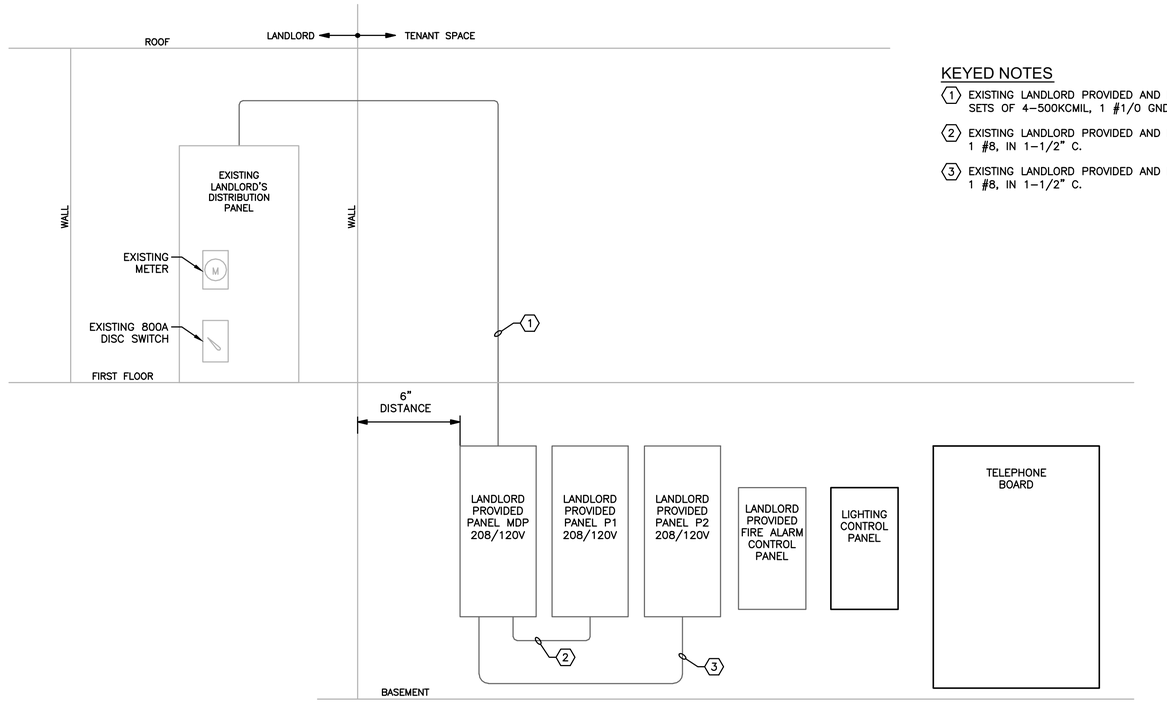

KEYED NOTES

1. EXISTING LANDLORD PROVIDED AND INSTALLED (2) SETS OF 4–500KCMIL, 1 #1/0 GND., IN (2) 3" C.
2. EXISTING LANDLORD PROVIDED AND INSTALLED 4 #1, 1 #8, IN 1–1/2" C.
3. EXISTING LANDLORD PROVIDED AND INSTALLED 4 #1, 1 #8, IN 1–1/2" C.

ELECTRICAL RISER DIAGRAM

1
NOT TO SCALE

ELECTRICAL LOAD SUMMARY

DESCRIPTION	ACTUAL CONNECTED KVA	DEMAND FACTOR	ACTUAL DEMAND KVA	N.E.C. CONNECTED KVA	N.E.C. DEMAND FACTOR	N.E.C. DEMAND KVA
TRACK LIGHTING	11	1.25	13.8	160 **** 19.2 KVA	1.25	24
GENERAL LIGHTING	5.94	1.25	7.43	5.94	1.25	7.43
SHOW WINDOW LIGHTING ALLOW.	------ ***	1.25	------ ***	0 FT 0 KVA	200W / LF	0
GEN. PURPOSE RECEPTACLE	23.2	1.0 < 10KVA 0.5 > 10KVA	16.6	23.2	1.0 < 10KVA 0.5 > 10KVA	16.6
MOTOR(S) (208V)	31.4	1.0 + 25% LARGEST	31.4	31.4	1.0 + 25% LARGEST	31.4
FIXED ELECTRIC SPACE HTG. (208V)	23.5 *	1.0	23.5 *	23.5 *	1.0	23.5 *
AIR CONDITIONING EQUIPMENT (208V)	68.1 *	1.0 + 25% LARGEST **	68.1 *	68.1 *	1.0 + 25% LARGEST **	68.1 *
ELECTRIC WATER HEATER	1.5	1.25	1.88	1.5	1.25	1.88
MISCELLANEOUS LOADS	7	1.0	7	7	1.0	7
TOTAL	148		146	156		156

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.
*** ACTUAL SHOW WINDOW LIGHTING IS INCLUDED IN TRACK AND GENERAL LIGHTING SECTIONS.
**** TOTAL SUM OF CURRENT LIMITERS IN AMPS

MINIMUM FEEDER AMPACITY = $\frac{156 \text{ KVA} \times 1000}{208 \times 1.73}$ = 434 A.

ELECTRICAL SERVICE AMPACITY = 800 A. @ 208V, 3 PH

OWNER:
WILLIAMS-SONOMA, INC.
3250 Van Ness Avenue
San Francisco, CA 94
T 415 616 8602
F 415 439 8164
www.williams-sonomainc

Reviewed for Code Compliance
Approved as Noted
Authorized Signature
Date: 04/26/17

EEA
EEA Consulting Engineers
6615 Vaught Ranch Road, Suite 200
Austin, Texas 78730-2314 USA
512.744.4400 main 512.744.4444 fax
www.eeace.com

State of Registration MAINE
Firm Registration No. N/A
EEA Project No. 20166538

DRAWN BY: BMW
CHECKED BY: SMR

Digitally Signed
STATE OF MAINE
Michael N. Hart
No. 10507
PROFESSIONAL ENGINEER
LICENSED
Michael N Hart, PE (ME)
2017.03.08 15:34:16-06'00'

west elm
Dowtown Portland
164 Middle Street
Portland, ME 04101
PROJECT #006-160335.00

ISSUED / REVISED	DATE
PRELIMINARY SET	09/08/16
LL COORDINATION SET	11/08/16
LL/PERMIT SET	11/21/16

ELECTRICAL RISER DIAGRAM

E-401