

Robie Builders
 1 Diamond Point Road
 PO Box 1508
 Windham, Maine 04062

Residential Housing Project
 100 York Street
 Portland, ME
 LIGHTING/POWER PLANS

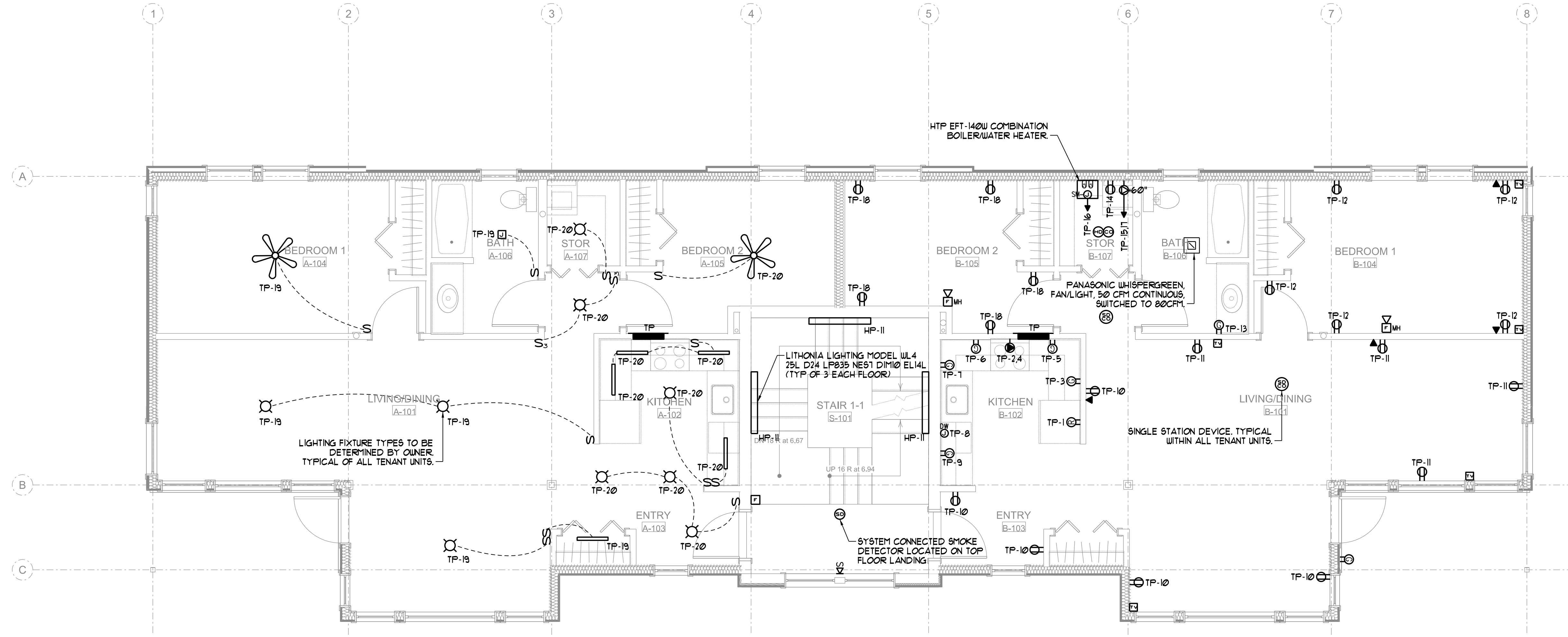
Date Drawn - 8/8/14
 Drawn By - PMC/SAJ
 Revised -
 Project # 3622
 Scale - 1/4" = 1'-0"
 Sheet Number - E-101

PANEL TP (BEDROOM WALL) 120/240 1PH3W125 AMP BUS - MLO22KAIC NEMA TYPE 1 (RECESSED)													
CKT#	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT#	LOAD DESCRIPTION	AF	P	CA	DF	DA
1	REFRIGERATOR	20	1	14	1.00	14	2	RANGE	50	2	32	0.50	16
3	COUNTER RECEPT	20	1	14	0.50	7	4				32	0.50	16
5	COUNTER RECEPT	20	1	14	0.50	7	6	COUNTER RECEPT	20	1	14	0.50	7
7	COUNTER RECEPT	20	1	14	0.50	7	8	DISHWASHER	20	1	12	0.50	6
9	COUNTER RECEPT	20	1	14	0.50	7	10	ENTRY/DINING RM RECEPTS	20	1	8	0.50	4
11	LIVING ROOM RECEPTS	20	1	6	0.50	3	12	BEDROOM 1 RECEPTS	20	1	8	0.50	4
13	BATH ROOM RECEPT	20	1	14	0.50	7	14	WASHER	20	1	12	0.50	6
15	DRYER	30	2		0.50	11	16	BOILER/WATER HEATER	20	1	2	1.00	2
17					0.50	11	18	BEDROOM 2 RECEPTS	20	1	8	0.50	4
19	UNTLUG-HIS & BATH ROOM EXHAUST FAN	20	1	6	1.00	6	20	UNTLUG-HIS	20	1	6	1.00	6
21		20	1			0	22		20	1			0
23		20	1			0	24		20	1			0

AT - Amp Trip
 P - Poles
 A - Amps
 CA - Connected Amperes
 DF - Demand Factor (1 - .1)
 DA - Demand Amperes
 MLO - Main Lug Only
 MCB - Main Circuit Breaker

Tot Amps/PH - Connected Load 136.25
 Demand Factor 55.14%
 Total Amps/PH - Demand 75.13
 Connected KVA 32.70
 Demand KVA 18.03
 Min. Panel Size (Demand x 1.25) - Amps 93.91

- NOTES:
 1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12
 2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 408.11 SECTION 210.62
 3. INSTALL PER ADA REQUIREMENTS IN ALL ADA UNITS.



TYPICAL UNIT LIGHTING PLAN (TYP OF 6)
 SCALE - 1/4" = 1'-0"

1. HEAT TRACE ALL PIPING BETWEEN GARAGE AND FIRST FLOOR UNITS.

TYPICAL UNIT POWER PLAN (TYP OF 6)
 SCALE - 1/4" = 1'-0"