

PANEL TP-XX (Tennant Panel Studio Apartment) 120/208 1PH 3W 100 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	Refrigerator	20	20	1	14	1.00	14		2	Range	50	50	2	40	1.00	40
3	Kitchen outlet	20	20	1	6	1.00	6		4					40	1.00	40
5	Kitchen outlet (Island)	20	20	1	6	0.50	3		6	Lights	20	20	1		1.00	0
7	Kitchen outlet (Spare in units 107 & 307)	20	20	1	6	0.50	3		8	Bathroom Lights	20	20	1	6	1.00	6
9	Kitchen outlet (Spare in Units 107 & 307)	20	20	1	6	0.50	3		10	Bathroom outlet	20	20	1	12	0.50	6
11	Kitchen outlets	20	20	1	6	0.50	3		12	Bedroom outlets	20	20	1	6	0.50	3
13	Living Room outlets	20	20	1	6	0.50	3		14	Space						0
15	Space						0		16	Space						0
17	Space						0		18	Space						0
19	Space						0		20	Space						0
21	Space						0		22	Space						0
23	Space						0		24	Space						0

AF - Amp Frame	Tot Amps/PH - Connected Load	51.33	MOTOR LOADS - CB = FLA X 2.5 (nec max)
AT - Amp Trip	Demand Factor	94.42%	SIZE CBS AND OVERLOADS PER NAMEPLATE
P - Poles	Total Amps/PH - Demand	43.33	DATA AND MFRG RECOMMENDATION.
A - Amps	Connected KVA	18.47	
CA - Connected Amperes	Demand KVA	15.59	
DF - Demand Factor (1 - .1)	Min. Panel Size (Demand x 1.25) - Amps	54.17	
DA - Demand Amperes	Panel Size (Demand x 1.56) - Amperes	67.60	
MLO - Main Lug Only			
MCB - Main Circuit Breaker			

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL TP-XX (Tennant Panel 1 Bedroom Apartment) 120/208 1PH 3W 100 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	Refrigerator	20	20	1	14	1.00	14		2	Range	50	50	2	40	1.00	40
3	Kitchen outlet	20	20	1	6	1.00	6		4						40	1.00
5	Kitchen outlet	20	20	1	6	0.50	3		6	Kitchen / Living Room Lights	20	20	1	5	1.00	5
7	Kitchen outlet	20	20	1	6	0.50	3		8	Bathroom Lights	20	20	1	3	1.00	3
9	Kitchen outlet	20	20	1	6	0.50	3		10	Bathroom outlet	20	20	1	12	0.50	6
11	Kitchen outlet	20	20	1	6	0.50	3		12	Bedroom Lights	20	20	1	4	1.00	4
13	Kitchen outlet	20	20	1	6	0.50	3		14	Bedroom 1 outlets	20	20	1	12	0.50	6
15	Living Room outlets	20	20	1	9	0.50	5		16	Bedroom 2 outlets	20	20	1	12	0.50	6
17	Space						0		18	Space						0
19	Space						0		20	Space						0
21	Space						0		22	Space						0
23	Space						0		24	Space						0

AF - Amp Frame	Tot Amps/PH - Connected Load	62.33	MOTOR LOADS - CB = FLA X 2.5 (nec max)
AT - Amp Trip	Demand Factor	79.95%	SIZE CBS AND OVERLOADS PER NAMEPLATE
P - Poles	Total Amps/PH - Demand	49.83	DATA AND MFRG RECOMMENDATION.
A - Amps	Connected KVA	22.43	
CA - Connected Amperes	Demand KVA	17.93	
DF - Demand Factor (1 - .1)	Min. Panel Size (Demand x 1.25) - Amps	62.29	
DA - Demand Amperes	Panel Size (Demand x 1.56) - Amperes	77.74	
MLO - Main Lug Only			
MCB - Main Circuit Breaker			

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL TP-XX (Tennant Panel 2 Bedroom Apartment) 120/208 1PH 3W 100 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	Refrigerator	20	20	1	14	1.00	14		2	Range	50	50	2	40	1.00	40
3	Kitchen outlet	20	20	1	6	1.00	6		4					40	1.00	40
5	Kitchen outlet	20	20	1	6	0.50	3		6	Kitchen / Living Room Lights	20	20	1	5	1.00	5
7	Kitchen outlet	20	20	1	6	0.50	3		8	Bathroom Lights	20	20	1	3	1.00	3
9	Kitchen outlet	20	20	1	6	0.50	3		10	Bathroom outlet	20	20	1	12	0.50	6
11	Kitchen outlet	20	20	1	6	0.50	3		12	Bedroom Lights	20	20	1	4	1.00	4
13	Kitchen outlet	20	20	1	6	0.50	3		14	Bedroom 1 outlets	20	20	1	12	0.50	6
15	Living Room outlets	20	20	1	9	0.50	5		16	Bedroom 2 outlets	20	20	1	12	0.50	6
17	Dishwasher	20	20	1	14	1.00	14		18	Space						0
19	Space						0		20	Space						0
21	Space						0		22	Space						0
23	Space						0		24	Space						0

AF - Amp Frame	Tot Amps/PH - Connected Load	67.00	MOTOR LOADS - CB = FLA X 2.5 (nec max)
AT - Amp Trip	Demand Factor	81.34%	SIZE CBS AND OVERLOADS PER NAMEPLATE
P - Poles	Total Amps/PH - Demand	54.50	DATA AND MFRG RECOMMENDATION.
A - Amps	Connected KVA	24.11	
CA - Connected Amperes	Demand KVA	19.61	
DF - Demand Factor (1 - .1)	Min. Panel Size (Demand x 1.25) - Amps	68.13	
DA - Demand Amperes	Panel Size (Demand x 1.56) - Amperes	85.02	
MLO - Main Lug Only			
MCB - Main Circuit Breaker			

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

PANEL TP-XX (Tennant Panel 3 Bedroom Apartment) 120/208 1PH 3W 100 AMP BUS - MLO 22K AIC NEMA TYPE 1 (RECESSED)																
CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA		CKT #	LOAD DESCRIPTION	AF	AT	P	CA	DF	DA
1	Refrigerator	20	20	1	14	1.00	14		2	Range	50	50	2	40	1.00	40
3	Kitchen outlet	20	20	1	6	1.00	6		4					40	1.00	40
5	Kitchen outlet	20	20	1	6	0.50	3		6	Kitchen / Living Room Lights	20	20	1	5	1.00	5
7	Kitchen outlet	20	20	1	6	0.50	3		8	Bathroom Lights	20	20	1	3	1.00	3
9	Kitchen outlet	20	20	1	6	0.50	3		10	Bathroom outlet	20	20	1	12	0.50	6
11	Kitchen outlet	20	20	1	6	0.50	3		12	Bedroom Lights	20	20	1	4	1.00	4
13	Kitchen outlet	20	20	1	6	0.50	3		14	Bedroom 1 outlets	20	20	1	12	0.50	6
15	Living Room outlets	20	20	1	9	0.50	5		16	Bedroom 2 outlets	20	20	1	12	0.50	6
17	Dishwasher	20	20	1	14	1.00	14		18	Bedroom 3 outlets	20	20	1	12	0.50	6
19	Space						0		20	Space						0
21	Space						0		22	Space						0
23	Space						0		24	Space						0

AF - Amp Frame	Tot Amps/PH - Connected Load	71.00	MOTOR LOADS - CB = FLA X 2.5 (nec max)
AT - Amp Trip	Demand Factor	79.58%	SIZE DISCONNECTS,CB'S AND OVERLOADS PER NAMEPLAT
P - Poles	Total Amps/PH - Demand	56.50	DATA AND MFRG RECOMMENDATION.
A - Amps	Connected KVA	25.55	
CA - Connected Amperes	Demand KVA	20.33	
DF - Demand Factor (1 - .1)	Min. Panel Size (Demand x 1.25) - Amps	70.63	
DA - Demand Amperes	Panel Size (Demand x 1.56) - Amperes	88.14	
MLO - Main Lug Only			
MCB - Main Circuit Breaker			

SEE SWITCHBOARD DATA FOR ELECTRONIC BREAKER SETTINGS

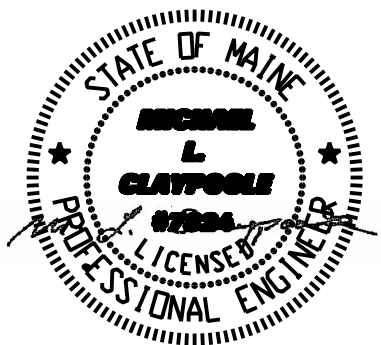
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ELM
TERRACE
68 HIGH STREET
PORTLAND, MAINE

Project No: 09428

Drawing Title:

TENANT
ELECTRICAL
PANELS

Scale: NONE

Date: September 8, 2011

Revisions:

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- △
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Drawing Number:

E4.3