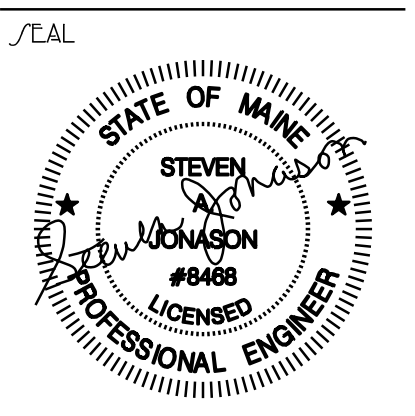


FIRE ALARM KEYNOTES

- FIRE ALARM BOOSTER PANEL SHALL BE HONEYWELL MODEL HPFFB OR EQUAL BOOSTER PANEL TRIP TO BE CONNECTED FROM AND RETURN TO EXISTING AUDIBLE/VISUAL DEVICE
- NEW ADDRESSABLE DEVICES TO BE CONNECTED FROM AND RETURN TO NEAREST EXISTING ADDRESSABLE DEVICE AND CONNECTED TO EXISTING FACP.



REVISION  
PRICING SET NOT FOR CONSTRUCTION

DRAWING NAME  
2018 PACKAGING ADDITION  
ALLAGASH BREWING COMPANY  
50 INDUSTRIAL WAY PORTLAND, MAINE 04103  
PROJECT# 18-005

DATE: 4 APRIL 2018  
SCALE: 1/8"=1'-0"  
DRAWN: PMC/SAJ  
JOB NO. 180112  
SHEET: E-2  
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PANEL PH (ELECTRIC 103) 277/480 3PH 4W 400 AMP BUS - MCB 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	DRY TYPE TRANSFORMER FEEDER	100	3	8	0.75	6	2	PACKAGING LIGHTS-SWITCH C	20	1	7	1.00	7
3				8	0.75	6	4	PACKAGING LIGHTS-SWITCH D	20	1	6	1.00	6
5				8	0.75	6	6	LIGHTING-OFFICE, ELEC, EMER AND EXTERIOR	20	3	9	1.00	9
7	PACKAGING FAN #1-FAN PROVIDED BY OWNER EC TO PROVIDE POWER AND WIRE CONTROLS. COORDINATE CONTROL LOCATION WITH OWNER	20	3	15	1.00	15	8	PACKAGING FAN #2-FAN PROVIDED BY OWNER EC TO PROVIDE POWER AND WIRE CONTROLS. COORDINATE CONTROL LOCATION WITH OWNER	20	3	15	1.00	15
9				15	1.00	15	10	15	1.00	15			
11				15	1.00	15	12	15	1.00	15			
13		1	0	1.00	0	14		1	0	1.00	0		
15		1	0	1.00	0	16		1	0	1.00	0		
17		1	0	1.00	0	18		1	0	1.00	0		
19		1	0	1.00	0	20		1	0	1.00	0		
21		1	0	1.00	0	22		1	0	1.00	0		
23		1	0	1.00	0	24		1	0	1.00	0		
25		1	0	1.00	0	26		1	0	1.00	0		
27		1	0	1.00	0	28		1	0	1.00	0		
29		1	0	1.00	0	30		1	0	1.00	0		
31 SPARE		20	1			32		1	0	1.00	0		
33 SPARE		20	1			34		1	0	1.00	0		
35 SPARE		20	1			36 SPARE		20	1		1.00	0	
37 SPARE		20	1			38 SPARE		20	1			0	
39 SPARE		20	1			40 SPARE		20	1			0	
41 SPARE		20	1			42 SPARE		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 45.15  
Demand Factor 95.45%  
Total Amps/PH - Demand 43.10  
Connected KVA 37.50  
Demand KVA 35.79  
Min. Panel Size (Demand x 1.25) - Amps 53.87

NOTES:  
1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12  
2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 406.11 SECTION 210.52  
3. PANEL IS PROVIDED BY OWNER, COORDINATE WITH OWNER REGARDING THE CIRCUIT SIZES THAT WILL BE REQUIRED FOR THIS PROJECT.

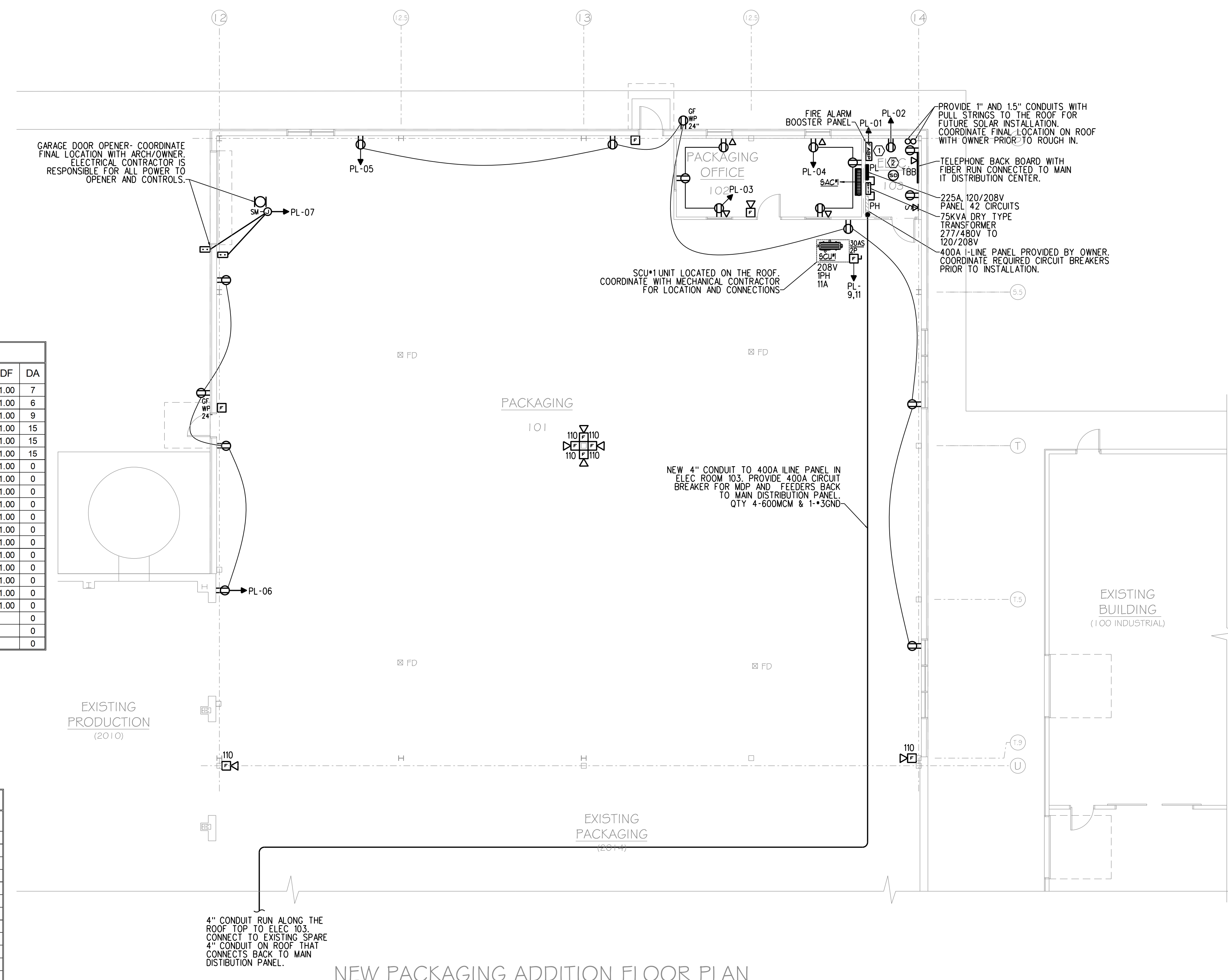
PANEL PL (ELECTRIC 103) 120/208 3PH 4W 225 AMP BUS - MCB 42K AIC NEMA TYPE 1 (SURFACE)

CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA
1	FIRE ALARM BOOSTER PANEL	20	1	5	1.00	5	2	RECEPTACLES-ELEC 103	20	1	5	0.50	2
3	RECEPTACLES-PACKAGING OFFICE 102	20	1	5	0.50	2	4	RECEPTACLES-PACKAGING OFFICE 102	20	1	5	0.50	2
5	RECEPTACLES-PACKAGING GENERAL PURP	20	1	8	0.50	4	6	RECEPTACLES-PACKAGING GENERAL PURP	20	1	8	0.50	4
7	POWER FOR GARAGE DOOR OPENER	20	1	12	1.00	12	8		20	1	0	0.50	0
9	SCU#1 UNT ON ROOF-SAC#1 UNIT IN OFFICE POWER FROM SCU#1	20	2	11	1.00	11	10		20	1	0	0.50	0
11							12		20	1	0	0.70	0
13							14		20	1	0	0.50	0
15		20	1	0	0.70	0	16		20	1	0	0.70	0
17		20	1			0	18		20	1	0	0.70	0
19		20	1	0	0.70	0	20	SPARE	20	1			0
21 SPARE		20	1			0	22	SPARE	20	1			0
23 SPARE		20	1			0	24	SPARE	20	1			0
25 SPARE		20	1			0	26	SPARE	20	1			0
27 SPARE		20	1			0	28	SPARE	20	1			0
29 SPARE		20	1			0	30	SPARE	20	1			0
31 SPARE		20	1			0	32	SPARE	20	1			0
33 SPARE		20	1			0	34	SPARE	20	1			0
35 SPARE		20	1			0	36	SPARE	20	1			0
37 SPARE		20	1			0	38	SPARE	20	1			0
39 SPARE		20	1			0	40	SPARE	20	1			0
41 SPARE		20	1			0	42	SPARE	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 18.83  
Demand Factor 74.78%  
Total Amps/PH - Demand 14.08  
Connected KVA 6.78  
Demand KVA 5.07  
Min. Panel Size (Demand x 1.25) - Amps 17.60

NOTES:  
1. PROVIDE ARC FAULT TYPE CIRCUIT BREAKERS IN ACCORDANCE WITH NEC 210.12  
2. PROVIDE TAMPER RESISTANT OUTLETS PER NEC 406.11 SECTION 210.52



ADDITION POWER PLAN  
SCALE: 1/8" = 1'-0"  
CALLED NORTH