

PANEL A										
VOLTAGE		208/120 3 PH 4W		AIC RATING: 65K SERIES		MOUNTING: FLUSH		REMARKS:		
FEEDER AMP: 150		MAINS: 225		MLO		ENCLOSURE: NEMA 1		PROVIDE IG BUS		
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1		S-285 BEVERAGE DISPENSER D/T	420	1	A	2	1780	S-546 ICE TEA BREWER		20/1
20/1		S-284 BEVERAGE DISPENSER S/S	480	3	B	4	1200	POS (2) & (2) U-070 (2) [U-100]	IG	20/1
20/1	G	R-009 FULL HEIGHT FREEZER	1080	5	C	6	360	F-174 SAFE IG / FUTURE	IG	20/1
20/1		SHUNT TRIP POWER	300	7	A	8	864	S-570 CARBONATOR		20/1
30/2	LF	P-452 HOT WATER DISPENSER	2013	9	B	10	1200	POS (1) & U-070 (1) [U-100]	IG	20/1
↓	↓	↓	2013	11	C	12	0	SPARE		20/1
20/1	G	S-026 HEATED CABINET	1920	13	A	14	600	U-035 CCTV DVR & MONITOR	IG	20/1
20/1	IG	F-040 OFFICE COMPUTER	300	15	B	16	1200	POS (2) & (1) U-070 (1) [U-100]	IG	20/1
20/1	LO	U-063 OFFICE SECURITY SYSTEM	300	17	C	18	0	SPARE		20/1
20/1		OFFICE RECEPTACLES	540	19	A	20	864	S-570 CARBONATOR		20/1
20/1		L-090 ORDER CONFR BRD/SWITCH BOX	130	21	B	22	480	U-024 DT COMM SYS BASE STATION		20/1
20/1		SPARE	0	23	C	24	360	C-107 RETHERMALIZER	G	20/1
20/1		S-540 PEPSI BOOST TANK/CO2 MONITOR	540	25	A	26	0	SPARE		20/1
20/1		SPARE	0	27	B	28	420	C-400 TIMER	G	20/1
20/1		SPARE	0	29	C	30	0	SPARE		20/1
20/1		SPARE	0	31	A	32	180	U-238 KITCHEN MONITOR	IG	20/1
20/1		SPARE	0	33	B	34	864	S-204 D/T TIMING SYSTEM		20/1
30/2	LF	P-452 HOT WATER DISPENSER	2013	35	C	36	1425	S-547 POD BREWER		20/1
↓	↓	↓	2013	37	A	38	0	SPARE		20/1
20/1		SPARE	0	39	B	40	816	C-046 DUAL VAT FRYER	G	20/1
20/1	G	S-027 HEATED CABINET	1920	41	C	42	0	SPARE		20/1
Connected Load Per Phase			PH A:	10021	PH B:	9103	PH C:	9471		
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps	
Demand Factor	0	0	0	540	1080	17121	9854	28595	79.4	
Demand VA	1.25	1.00	1.00	NEC	1.00	0.65	1.00			
Demand VA	0	0	0	540	1080	11129	9854	22603	62.7	

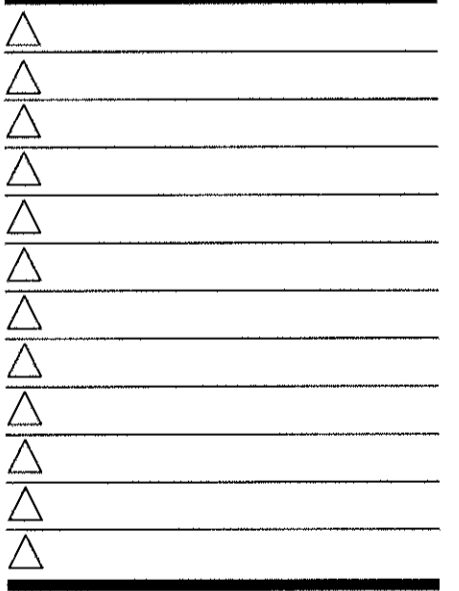
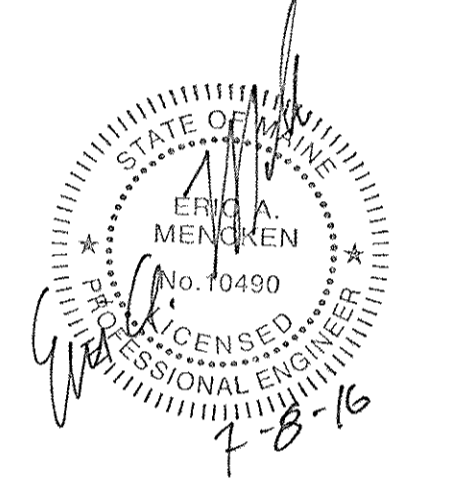
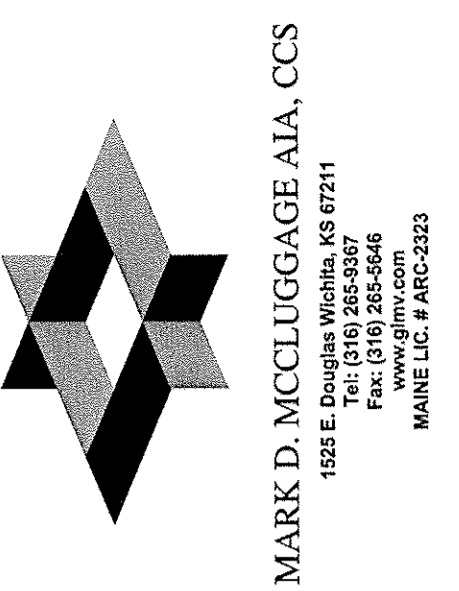
PANEL B										
VOLTAGE		208/120 3 PH 4W		AIC RATING: 65K SERIES		MOUNTING: FLUSH		REMARKS:		
FEEDER AMP: 150		MAINS: 225		MLO		ENCLOSURE: NEMA 1		PROVIDE IG BUS		
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1	LR	KITCHEN	480	1	A	2	0	SPACE		20/1
20/1		SPARE	0	3	B	4	495	DINING ROOM LIGHTS	LR	20/1
20/1	LR	COOLER / FREEZER LIGHTS	800	5	C	6	0	SPARE		20/1
20/1		SPARE	0	7	A	8	1076	L-016 MENU/BRD&REMOTE ALRM LYT		20/1
20/1	LC	OUTSIDE LIGHTS	618	9	B	10	0	SPARE		20/1
20/1		SPARE	0	11	C	12	0	SPARE		20/1
20/1		SPARE	0	13	A	14	0	SPARE		20/1
20/1	LC	MENU BOARD @ D/T	500	15	B	16	78	PARKING LIGHTING	LC	20/2
20/1		SPARE	0	17	C	18	0	SPARE		20/1
20/1		SHOW WINDOW	1200	19	A	20	1500	SHOW WINDOW		20/1
20/1		SHOW WINDOW	1200	21	B	22	1500	SHOW WINDOW		20/1
20/1		SHOW WINDOW	1200	23	C	24	78	PARKING LIGHTING	LC	20/2
20/1		SHOW WINDOW	1200	25	A	26	78	↓		20/1
20/1	LC	BUILDING SIGNS	1200	27	B	28	0	SPARE		20/1
20/1	LC	PYLON SIGN / MONUMENT	1200	29	C	30	200	HOOD LIGHTS		20/1
20/1	LC	DIRECTIONAL SIGNS	1200	31	A	32	0	SPACE		20/1
20/1	LO	LIGHTING CONTROLS	500	33	B	34	0	SPACE		20/1
20/1	LC	BUILDING SIGNS	1200	35	C	36	0	SPACE		20/1
20/1	LC	BUILDING SIGNS	1200	37	A	38	0	SPACE		20/1
20/1		SPARE	0	39	B	40	0	SPACE		20/1
20/1	LC	BUILDING SIGNS	1200	41	C	42	0	SPACE		20/1
Connected Load Per Phase			PH A:	7934	PH B:	6091	PH C:	5956		
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps	
Demand Factor	19481	0	0	0	0	500	500	19981	55.5	
Demand VA	1.25	1.00	1.00	NEC	1.00	0.65	1.00			
Demand VA	24351	0	0	0	0	500		24851	69.0	

PANEL D										
VOLTAGE		208/120 3 PH 4W		AIC RATING: 65K SERIES		MOUNTING: FLUSH		REMARKS:		
FEEDER AMP: 380		MAINS: 400		MLO		ENCLOSURE: NEMA 1		PROVIDE IG BUS		
BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/3		W-059 WALK-IN COOLER	1621	1	A	2	1200	S-740 FROZEN BEV. REMOTE CONDENSER	V	15/2
↓	↓	↓	1621	3	B	4	1200	↓	↓	↓
↓	↓	↓	1621	5	C	6	0	SPARE		20/1
15/3		W-059 WALK-IN FREEZER	1321	7	A	8	500	F-131 MUSIC SYSTEM (MUZAK)		20/1
↓	↓	↓	1321	9	B	10	264	S513 ICE MAKERS S/S & D/T (2)		15/1
↓	↓	↓	1321	11	C	12	1306	S-513 ICE MACHINE CONDENSER		20/2
20/1		SPARE	0	13	A	14	1306	↓	↓	↓
20/1		SPARE	0	15	B	16	1306	S-513 ICE MACHINE CONDENSER		20/2
20/1		SPARE	0	17	C	18	1306	↓	↓	↓
15/2		N-043 POWER SOAK	1169	19	A	20	700	EF-2 (RESTROOM)		15/1
↓	↓	↓	1169	21	B	22	0	SPARE		20/1
20/1	LO	E-275 HOOD FIRE SUPPRESSION SYS.	720	23	C	24	0	SPARE		20/1
20/1		IRRIGATION TIMER	360	25	A	26	1800	UTILITY RECEPTACLES		20/1
20/1		ROOF RECEPTACLES	540	27	B	28	1180	EF-1 (HOOD)		20/1
20/1		B-223 WATER HEATER IGNITION	180	29	C	30	0	SPARE		20/1
50/3	V	RTU-1	5122	31	A	32	0	SPARE		20/1
↓	↓	↓	5122	33	B	34	1620	UTILITY RECEPTACLES		20/1
↓	↓	↓	5122	35	C	36	0	SPARE		20/1
80/3	V	RTU-2	8880	37	A	38	1120	UTILITY RECEPT/VSAT (F-050-U-061)		20/1
↓	↓	↓	8880	39	B	40	3120	S-739 FROZEN BEV. DISPENSER		30/2
↓	↓	↓	8880	41	C	42	3120	↓	↓	↓
Connected Load Per Phase			PH A:	25099	PH B:	27343	PH C:	23576		
Connected VA	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps	
Demand Factor	0	43186	0	5080	16714	6240	4798	76018	211.0	
Demand VA	1.25	1.00	1.00	NEC	1.00	0.65	1.00			
Demand VA	0	43186	0	5080	16714	4056	4798	73834	204.9	

- PANEL SCHEDULE NOTES**
- E EXISTING CIRCUIT TO REMAIN
 - G GFI CIRCUIT BREAKER
 - IG ISOLATED GROUND CIRCUIT
 - LC ROUTE CIRCUIT HOMERUN VIA LIGHTING CONTACTOR REFER TO DETAIL ON E6.0
 - LF PROVIDE PADLOCK ATTACHMENT FOR MAINTENANCE LOCK-OUT OF CIRCUIT BREAKER
 - LO PROVIDE LOCK-ON DEVICE FOR CIRCUIT BREAKER
 - ST SHUNT-TRIP CIRCUIT BREAKER
 - LR CIRCUIT SHALL BE WIRED THRU THE LIGHTING CONTROL RELAY. REFER TO DETAIL ON E6.0
 - V VERIFY BRANCH CIRCUIT BREAKER AND WIRE REQUIREMENTS WITH ACTUAL EQUIPMENT PROVIDED.

PANEL SCHEDULES

LOAD SUMMARY	TACO BELL	
LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAND LOAD (VA)
GENERAL LIGHTING	19481	24351
HVAC	61265	61265
MOTORS	0	0
GENERAL RECEPTACLES	5620	5620
REFRIGERATION	17794	17794
KITCHEN EQUIPMENT	49686	32296
MISCELLANEOUS	15872	15872
TOTALS:		
CALCULATED FACILITY LOAD (VA) =	169718	157198
LOAD AMPS AT SYSTEM VOLTAGE (SELECT BELOW) = 208/120 3-PH	471.1	436.4



CONTRACT DATE: 07.06.2016
 BUILDING TYPE: CONVERSION
 PLAN VERSION: FEBRUARY 2015
 SITE NUMBER: XXX-XXX
 STORE NUMBER: XXXXX

TACO BELL
 1363 WASHINGTON AVE.
 PORTLAND, ME



PANEL SCHEDULES AND LOAD SUMMARY E2.1

PLOT DATE:

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DETAIL NOT USED

B

LOAD SUMMARY

C

DETAIL NOT USED

D

DETAIL NOT USED

E