



EXISTING PANEL LA																								
LOCATION: ELECTRICAL ROOM VOLTAGE: 208Y/120V TRIM: SURFACE										MAIN: 225A MLO SYSTEM: 36 AWG BUS RATING: 225A										CONN. LOAD: 59.7 KVA FEED: BOTTOM GROUND BUS: YES				
EMS	CKT	LOAD SERVED	COND	PHASE	NEUT	W	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W	Ø	BKR	DMD	L1	L2	L3
1	1	LOAD SERVED	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
2	2	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
3	3	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
4	4	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
5	5	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
6	6	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
7	7	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
8	8	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
9	9	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
10	10	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
11	11	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
12	12	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
13	13	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
14	14	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
15	15	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
16	16	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
17	17	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
18	18	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
19	19	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
20	20	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
21	21	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
22	22	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
23	23	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
24	24	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
25	25	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
26	26	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
27	27	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
28	28	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
29	29	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
30	30	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
31	31	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
32	32	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
33	33	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
34	34	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
35	35	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
36	36	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
37	37	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
38	38	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
39	39	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
40	40	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
41	41	SALES AREA LIGHTING	3/4"	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12

Note 1. Feeder size: SEE RISER DIAGRAM  
Note 2. (E) REFERS TO EXISTING EMS CIRCUIT.

EXISTING PANEL LB																									
LOCATION: ELECTRICAL ROOM										MAIN: 225A MLO					CONN. LOAD: 30.1 KVA										
VOLTAGE: 208Y/120V										SYSTEM: 36 AWG					FEED: BOTTOM										
TRIM: SURFACE										BUS RATING: 225A					GROUND BUS: YES										
EMS	CKT	LOAD SERVED	COND	PHASE	NEUT	W	Ø	BKR	DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	W	Ø	BKR	DMD	L1	L2	L3	
1	1	WALL WASH/LEFT SALES AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000	
2	2	WALL WASH/RIGHT SALES AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
3	3	WALL WASH/STORAGE AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
4	4	OFFICE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
5	5	WALL WASH/STORAGE AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
6	6	OFFICE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
7	7	WALL WASH/STORAGE AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
8	8	OFFICE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
9	9	WALL WASH/STORAGE AREA	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
10	10	OFFICE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
11	11	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
12	12	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
13	13	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
14	14	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
15	15	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
16	16	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
17	17	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
18	18	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
19	19	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
20	20	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
21	21	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
22	22	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
23	23	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
24	24	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
25	25	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
26	26	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
27	27	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
28	28	(A16) PRODUCE PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
29	29	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
30	30	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
31	31	BLK BK DISPLAY	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
32	32	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
33	33	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
34	34	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
35	35	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
36	36	PRODUCE LIT	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
37	37	(B16) B' MEAT PRODMO-HTR	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
38	38	(B16) B' MEAT PRODMO-HTR	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
39	39	(B16) B' MEAT PRODMO-HTR	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
40	40	(B16) B' MEAT PRODMO-HTR	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
41	41	(A22) MEAT PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000
42	42	(A22) MEAT PREF. FAN COOL.	3/4"	#12	#12	#12	#12	#12	#12	1000	1000	1000	1000	1000	1000	1000	1000	#12	#12	#12	#12	1000	1000	1000	1000

INTERUPT RATING: EXISTING										9647 10869 9583					FROM: EXISTING MOD-3																								
LOADS (NO. V)										CONNECTED					DEMAND FEEDER					REMAINING CONTINUOUS LOADS					0 1.25 0														
LIGHTING										19853					1.25					23681					REMAINING					NON-CONTINUOUS LOADS					44884 1.0 4484				
RECEPTS TO 150V										1000					1.00					1000					MISC. DEMAND LOADS					44884 1.0 4484									
RECEPTS REHEATING										0					0.5					0					0					0									
SPACE HEATING										0					0.0					0					0					0									
AIR CONDITIONING										0					1.0					0					0					0									