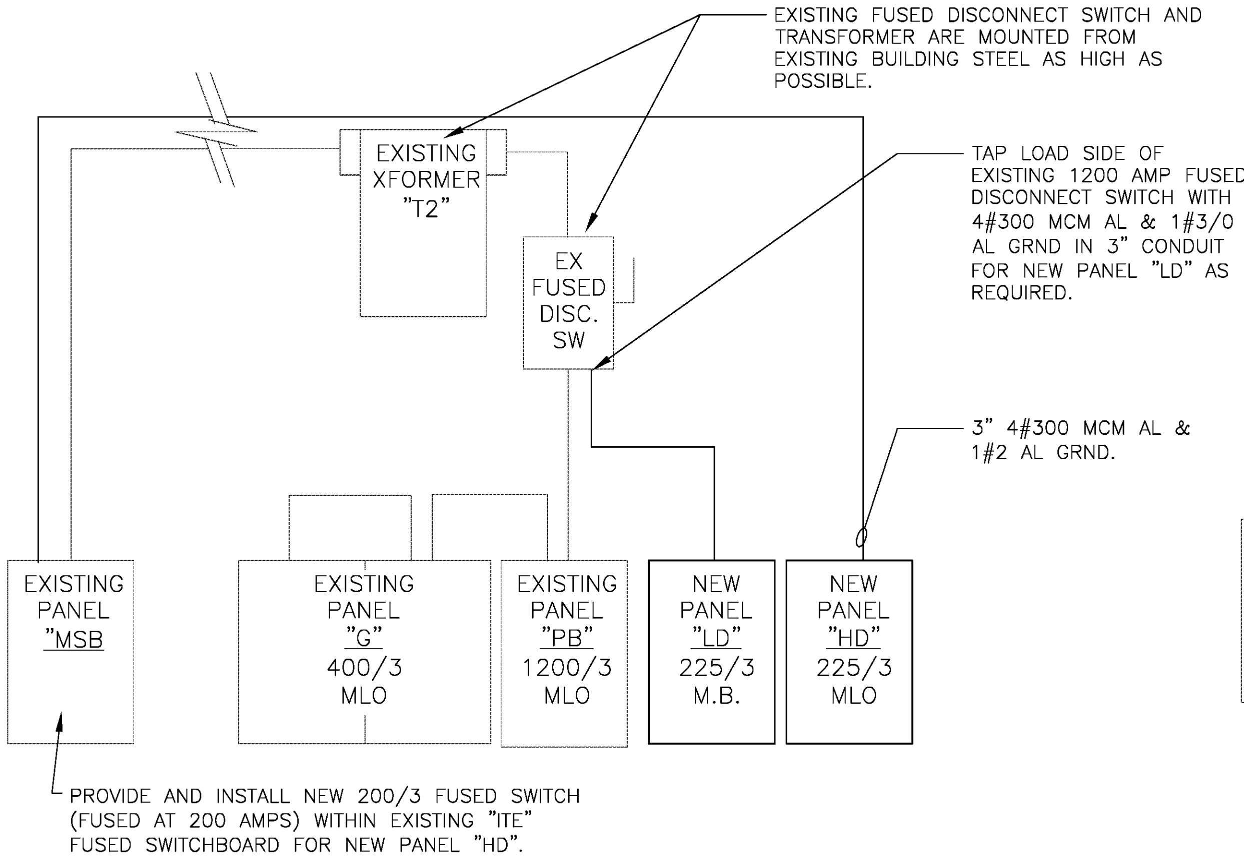
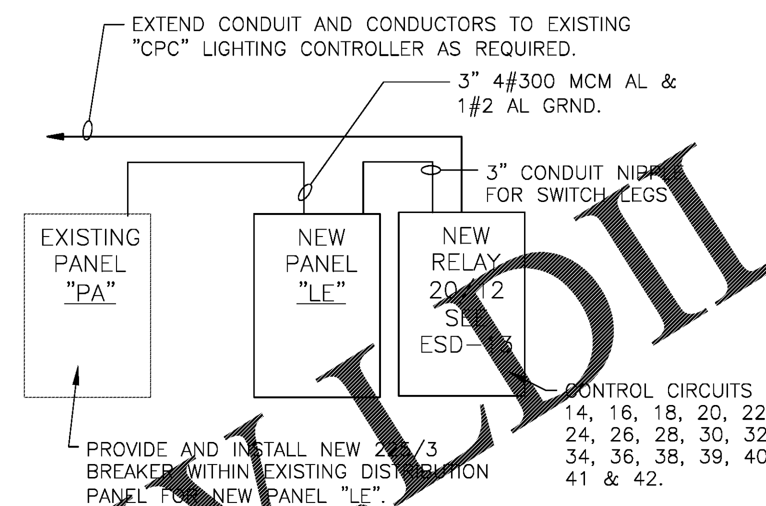


PARTIAL FEEDER DIAGRAM
NO SCALE:



PARTIAL FEEDER DIAGRAM
NO SCALE:

PANEL "LD" — DELI/BAKERY — 120/208 VOLTS, 3-PHASE, 4-WIRE, WYE CONNECTED, 1 LUG / PHASE (22,000 AIC) — 225 MAIN BREAKER

POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES	LOAD V. A. A-PH.	B-PH.	C-PH.	POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES
1	1	20	1	#10	3/4"	SUSHI CASES	1200 / 1200			2	2	20	1	#10	3/4"	SUSHI PLUGS
3	3	20	1	#10	3/4"	SUSHI CASES		1200 / 1200		4	4	20	1	#10	3/4"	SUSHI PLUGS
5	5	20	1	#10	3/4"	SUSHI CASES			1200 / 1200	6	6	20	1	#10	3/4"	SUSHI PLUGS
7	7	20	1	#10	3/4"	SUSHI CASES	1200 / 1200			8	8	20	1	#10	3/4"	SUSHI PLUGS
9	9	20	1	#10	3/4"	SUSHI CASES		1200 / 1200		10	10	20	1	#10	3/4"	PLUG - CP-2
11	11	20	1	—	—	SPARE			— / 1200	12	12	20	1	#10	3/4"	SUSHI PLUGS
13	13	20	1	—	—	SPARE	— / 1200			14	14	20	1	#10	3/4"	PLUGS - DROP CORD
15	15	30		#8	3/4"	SUSHI CASE		1200 / 1200		16	16	20	1	#10	3/4"	PLUGS - DROP CORD
17	17		2			"GFCI" BREAKER			1200 / 1200	18	18	20	1	#10	3/4"	FLY GRID
19	19	30		#8	3/4"	SUSHI CASE	1200 / 1200			20	20	20	1	#10	3/4"	SEAFOOD EF-1 ON ROOF
21	21		2			"GFCI" BREAKER		1200 / 1200		22	22	20	1	#10	3/4"	FLY GRID
23	23	30		#8	3/4"	SUSHI CASE			1200 / 1200	24	24	20	1	#10	3/4"	MRAD
25	25		2			"GFCI" BREAKER	1200 / —			26	26	20	1	#10	3/4"	SPARE
27	27	30		#8	3/4"	BERRY CASE		1200 / —		28	28	20	1	#10	3/4"	SPARE
29	29		2			"GFCI" BREAKER			1200 / —	30	30	20	1	#10	3/4"	SPARE
31	31	30		#8	3/4"	BERRY CASE	1200 / —			32	32	20	1	#10	3/4"	SPARE
33	33		2			"GFCI" BREAKER		1200 / —		34	34	20	1	#10	3/4"	SPARE
35	35	30		#8	3/4"	BERRY CASE			1200 / 1200	36	36	20		#10	3/4"	HAND DRYER - MEN
37	37		2			"GFCI" BREAKER	1200 / 1200			38	38		2			
39	39	30		#8	3/4"	BERRY CASE		1200 / 1200		40	40	20		#10	3/4"	HAND DRYER - WOMEN
41	41		2			"GFCI" BREAKER			1200 / 1200	42	42		2			
FLUSH MTD. ____						CONNECTED V. A. / PHASE	11,200	13,200	13,200							
SURFACE MTD. YES						CONNECTED AMP. / PHASE	93.3	110.0	110.0							

PANEL SCHEDULE NOTES:
1. ALL SUB-PANELS SHALL BE EQUIPPED WITH SEPARATE EQUIPMENT FACTORY GROUND BUS BAR KIT AS PER NEC ARTICLE 250.
2. DO NOT SHARE NEUTRAL CONDUCTORS BETWEEN SINGLE POLE BREAKERS AS PER 2017 NATIONAL ELECTRICAL CODE 210.4(A) & (B).
3. ALL BREAKERS WITH IN THIS PANEL SHALL BE "GFCI" TYPE.

PANEL "HD" — DELI/BAKERY — 277/480 VOLTS, 3-PHASE, 4-WIRE, WYE CONNECTED, 1 LUG / PHASE (25,000 AIC) — 225 M.L.O.

POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES	LOAD V. A. A-PH.	B-PH.	C-PH.	POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES
1	1	40				COMBI CHICKEN	7300 / 7300			2	2	40				COMBI CHICKEN
3	3			#8	3/4"	DOUBLE OVEN		7300 / 7300		4	4			#8	3/4"	DOUBLE OVEN
5	5		3			DISCD-480			7300 / 7300	6	6		3			DISCD-480
7	7	—	—	—	—	SHUNT TRIP COILS	— / —			8	8	—	—	—	—	SHUNT TRIP COILS
9	9	20	1	—	—	SPACE		— / —		10	10	20	1	—	—	SPACE
11	11	20	1	—	—	SPACE			— / —	12	12	20	1	—	—	SPACE
13	13	20	1	—	—	SPACE	— / —			14	14	20	1	—	—	SPACE
15	15	20	1	—	—	SPACE		— / —		16	16	20	1	—	—	SPACE
17	17	20	1	—	—	SPACE			— / —	18	18	20	1	—	—	SPACE
19	19	20	1	—	—	SPACE	— / —			20	20	20	1	—	—	SPACE
21	21	20	1	—	—	SPACE		— / —		22	22	20	1	—	—	SPACE
23	23	20	1	—	—	SPACE			— / —	24	24	20	1	—	—	SPACE
25	25	20	1	—	—	SPACE	— / —			26	26	20	1	—	—	SPACE
27	27	20	1	—	—	SPACE		— / —		28	28	20	1	—	—	SPACE
29	29	20	1	—	—	SPACE			— / —	30	30	20	1	—	—	SPACE
31	31	20	1	—	—	SPACE	— / —			32	32	20	1	—	—	SPACE
33	33	20	1	—	—	SPACE		— / —		34	34	20	1	—	—	SPACE
35	35	20	1	—	—	SPACE			— / —	36	36	20	1	—	—	SPACE
37	37	20	1	—	—	SPACE	— / —			38	38	20	1	—	—	SPACE
39	39	20	1	—	—	SPACE		— / —		40	40	20	1	—	—	SPACE
41	41	20	1	—	—	SPACE			— / —	42	42	20	1	—	—	SPACE
FLUSH MTD. ____						CONNECTED V. A. / PHASE	21,900	21,900	21,900							
SURFACE MTD. YES						CONNECTED AMP. / PHASE	79.1	79.1	79.1							

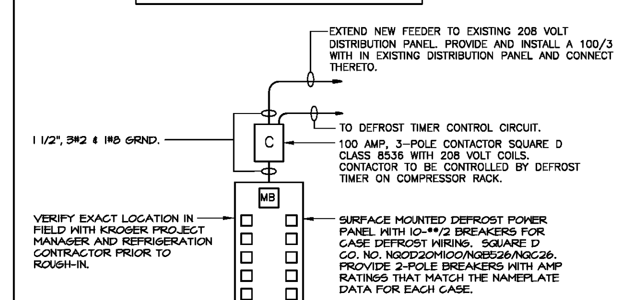
PANEL SCHEDULE NOTES:
1. ALL SUB-PANELS SHALL BE EQUIPPED WITH SEPARATE EQUIPMENT FACTORY GROUND BUS BAR KIT AS PER NEC ARTICLE 250.
2. DO NOT SHARE NEUTRAL CONDUCTORS BETWEEN SINGLE POLE BREAKERS AS PER 2011 NATIONAL ELECTRICAL CODE 210.4(A) & (B).

PANEL "LE" — 120/208 VOLTS, 3-PHASE, 4-WIRE, WYE CONNECTED, 1 LUG / PHASE (22,000 AIC) — 225 M.L.O.

POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES	LOAD V. A. A-PH.	B-PH.	C-PH.	POLE NO.	BKR. NO.	TRIP AMP.	BKR. POLE	WIRE AWG.	COND SIZE	SERVES
1	1	20	1	#10	3/4"	CORD DROPS	1200 / 1200			2	2	20	1	#10	3/4"	PLUGS
3	3	20	1	#10	3/4"	CORD DROPS		1200 / 1200		4	4	20	1	#10	3/4"	PLUGS
5	5	20	1	#10	3/4"	CORD DROPS			1200 / 1200	6	6	20	1	#10	3/4"	PLUGS
7	7	20	1	#10	3/4"	CORD DROPS	1200 / 1200			8	8	20	1	#10	3/4"	PLUGS
9	9	20	1	#10	3/4"	PET FOOD		1200 / 1200		10	10	20	1	#10	3/4"	PLUGS
11	11	20	1	#10	3/4"	PET FOOD			1200 / 1200	12	12	20	1	#10	3/4"	PLUGS
13	13	20	1	#10	3/4"	SHELVING	1200 / 1200			14	14	20	1	#10	3/4"	COSM. SHELVING
15	15	20	1	#10	3/4"	SHELVING		1200 / 1200		16	16	20	1	#10	3/4"	COSM. SHELVING
17	17	20	1	#10	3/4"	SHELVING			1200 / 1200	18	18	20	1	#10	3/4"	COSM. SHELVING
19	19	20	1	#10	3/4"	SHELVING	1200 / 1200			20	20	20	1	#10	3/4"	COSM. SHELVING
21	21	20	1	#10	3/4"	SHELVING		1200 / 1200		22	22	20	1	#10	3/4"	COSM. SHELVING
23	23	20	1	#10	3/4"	SHELVING			1200 / 1200	24	24	20	1	#10	3/4"	COSM. SHELVING
25	25	20	1	#10	3/4"	SHELVING	1200 / 1200			26	26	20	1	#10	3/4"	COSM. SHELVING
27	27	20	1	#10	3/4"	SHELVING		1200 / 1200		28	28	20	1	#10	3/4"	COSM. SHELVING
29	29	20	1	#10	3/4"	SHELVING			1200 / 1200	30	30	20	1	#10	3/4"	COSM. SHELVING
31	31	20	1	#10	3/4"	SHELVING	1200 / 1200			32	32	20	1	#10	3/4"	COSM. SHELVING
33	33	20	1	#10	3/4"	SHELVING		1200 / 1200		34	34	20	1	#10	3/4"	COSM. SHELVING
35	35	20	1	#10	3/4"	SHELVING			1200 / 1200	36	36	20	1	#10	3/4"	COSM. SHELVING
37	37	20	1	#10	3/4"	SHELVING	1200 / 1200			38	38	20	1	#10	3/4"	COSM. SHELVING
39	39	20	1	#10	3/4"	COSM. SHELVING		1200 / 1200		40	40	20	1	#10	3/4"	COSM. SHELVING
41	41	20	1	#10	3/4"	COSM. SHELVING			1200 / 1200	42	42	20	1	#10	3/4"	COSM. SHELVING
FLUSH MTD. ____						CONNECTED V. A. / PHASE	15,200	15,200	15,200							
SURFACE MTD. YES						CONNECTED AMP. / PHASE	126.7	126.7	126.7							

PANEL SCHEDULE NOTES:
1. ALL SUB-PANELS SHALL BE EQUIPPED WITH SEPARATE EQUIPMENT FACTORY GROUND BUS BAR KIT AS PER NEC ARTICLE 250.
2. DO NOT SHARE NEUTRAL CONDUCTORS BETWEEN SINGLE POLE BREAKERS AS PER 2017 NATIONAL ELECTRICAL CODE 210.4(A) & (B).

NOTE:
ELECTRICAL CONTRACTOR SHALL PROVIDE A DEFROST PANEL PER REFRIGERATION SYSTEM WITH ELECTRIC DEFROST. VERIFY EXACT NUMBER REQUIRED WITH REFRIGERATION DRAWINGS.



DEFROST POWER PANEL DETAIL
NTS (KR101k)

KEVIN E. NORRIS
ELECTRICAL ENGINEER
5518 WALLWOOD ROAD
KNOXVILLE, TN 37912
PHONE: (865) 584-3063

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