

LOCATION: C PANEL: MECH ROOM FED FROM: ADP-3						VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 60 Hz		100% NEUTRAL BUS LOCK ON CIRCUIT SHUNT TRIP				65 KA						
MOUNTINGS: UNITIZED SWITCHGEAR						225 AMP <input type="checkbox"/> 250 AMP <input checked="" type="checkbox"/> 300 AMP <input type="checkbox"/> 400 AMP <input type="checkbox"/> 500 AMP <input type="checkbox"/> 600 AMP <input type="checkbox"/> 800 AMP <input type="checkbox"/> 1000 AMP <input type="checkbox"/>				FLUSH <input type="checkbox"/> SURFACE <input checked="" type="checkbox"/>		MINIMUM AIC RATING:						
DEVICE		BRANCH CIRCUIT								BRANCH CIRCUIT								
EARS LOAD	COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)			NO. VOLT-AMPS	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	COND SIZE	EARS LOAD	
								A	B	C								
1	1/2	10	20	1	PRODUCE BUS STRUT	1800	1	1800			2	0	SPARE	1	20	-	-	
1	1/2	10	20	1	PRODUCE BUS STRUT	1800	3	1800	0		4	0	SPARE	1	20	-	-	
					SPARE	0	5			6	0	SPARE	1	20	-	-		
	- 12	20	1	1	SALES AREA LIGHTS	ROW F	555	7	1110		8	555	SALES AREA LIGHTS	ROW 15	1	20	12	-
	- 12	20	1	1	BLANK	0	9		555		10	555	SALES AREA LIGHTS	ROW 15	1	20	fz	-
	- 12	20	1	1	BLANK	0	11		560		12	560	LEGISLATIVE REAR CANOPY	1	20	12	-	
	- 12	20	1	1	BLANK	0	13	0			14	0	SPARE	1	20	-	-	
1	1/2	10	20	1	DELI SALES LIGHTS	352	15		707		16	555	SALES AREA LIGHTS	ROW 13	1	20	fz	-
1	1/2	10	20	1	DELI SALES LIGHTS	352	17				18	0	SPARE	1	20	-	-	
	- 20	1	1	1	SPARE	0	19	0			20	0	SPARE	1	20	-	-	
	- 20	1	1	1	SPARE	0	21	0			22	0	SPARE	1	20	-	-	
	- 12	20	1	1	BLANK	0	23		555		24	555	SALES AREA LIGHTS	ROW 11	1	20	12	-
	- 12	20	1	1	BLANK	0	25	0			26	0	SPARE	1	20	-	-	
	- 12	20	1	1	SALES AREA LIGHTS	ROW H	555	27		555	28	0	SPARE	1	20	-	-	
	- 12	20	1	1	SPARE	0	29		555	30	555		SALES AREA LIGHTS	ROW 3	1	20	fz	-
	- 12	20	1	1	SALES AREA LIGHTS	ROW J	555	31	555		32	0	SPARE	1	20	-	-	
	- 12	20	1	1	BLANK	0	33		560		34	560	EXTERNAL SECURITY LIGHTS	1	20	fz	-	
	- 12	20	1	1	BLANK	0	35	0			36	0	BLANK	1	20	-	-	
	- 12	20	1	1	DOWN LIGHTS	055	37	555		38	0		BLANK	1	20	-	-	
	- 12	20	1	1	BLANK	0	39		440		40	440	PRODUCE LIGHTS	1	20	13	-	
	- 12	20	1	1	BLANK	0	41				42	600	SALES AREA EMERGENCY LIGHTS	1	20	fz	-	
TOTALS PER PHASE							4020	4187	2622				TOTAL CONNECTED LOAD (VA)			11,459		
TOTALS AMPS PER PHASE							34	40	22				VOLTS					

NOTES: EXISTING PANEL, EXISTING INFORMATION FROM FOOD LINQ ASBLUTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS

ELECTRICAL CONTRACTOR TO REMOVE ANY EXISTING DEVIATION ON BREAKERS

SEE SHEET E-04 ELECTRICAL DEFERENCES TO BE REPAIRED ULT FOR FURTHER BREAKER INFORMATION D-121, 143

[illegible][illegible]

NOTE:
ENERGY MANAGEMENT SYSTEM LIMITS
COINCIDENTAL DEMAND PER MDP TO LESS THAN
800 AMPS, ALLOWING FOR MORE THAN 20%
SPARE CAPACITY. NO FUTURE EXPANSIONS ARE
PLANNED. PANEL SIZE SHALL NOT BE INCREASED
WITHOUT PRIOR APPROVAL OF OWNER.

NOTE:
ELECTRICAL CONTRACTOR TO VERIFY REFRIGERATION CIRCUITS ARE NOT OVERLOADED, LARGEST SIZE OF BREAKERS TO BE 30A FOR A/S AND LIGHTS, 15A ON CASE FANS (TYP.).

NOTE:
THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL CORRECTED TYPE WRITTEN PANEL SCHEDULES IN ELECTRICAL PANELS, NEW AND EXISTING, AT THE END OF THE PROJECT. HAN WRITTEN SCHEDULES SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

NOTE:
ALL BRANCH CIRCUIT PANELBOARDS
(NON-DELI/BAKERY) SHALL BE BALANCED TO
WITHIN 10% PHASE TO PHASE.
PERFORM/DOCUMENT AT LEAST THREE RANDOM
AMPERAGE CHECKS AND RELOCATE CONTINUOUS
LOADS TO ACCOMPLISH. FINAL ACCEPTANCE
REQUIRES ALL PANEL SCHEDULES BE TYPE
WRITTEN, DATED AND 100% ACCURATE (AS BUILT)
A FOOD LION COMMISSIONING AGENT WILL VERIFY
YOUR WORK AND PERFORM A THERMAL WARRANTY
SCAN AT 30 DAYS POST GRAND OPENING.

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY CIRCUIT PROPERLY LABEL AND VERIFY THAT NO CIRCUITS ARE OVERLOADED AT END OF PROJECT AND RELABEL ALL PANELS IF INCORRECTLY LABELED, (INCLUDES MOP(S))
2. VACUUM ALL BRANCH CIRCUIT PANELS.
3. ELECTRICAL CONTRACTOR TO REMOVE ANY MULTIPLE LANE CONDUCTORS ON A SINGLE BREAKER AND CONNECT EACH CONDUCTOR TO A SINGLE BREAKER.
4. ALL CIRCUITS FEEDING CASES SHALL BE LABELED WITH CASE TYPE, REFRIGERATION CIRCUIT NUMBER ALONG WITH CASE TYPE. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CIRCUITS.

PANEL: D LOCATION: MECH ROOM FED FROM: MDP-3				VOLTS: 208Y/120 VOLT, 3PH, 4W, 60 HZ 225 AMP X ALUM AMP MAIN BREAKER		100% NEUTRAL BUS LOCK ON CIRCUIT SHUNT TRIP		65 KA						
MOUNTING: UNITIZED SWITCHGEAR				FLUSH		SURFACE		MINIMUM AIC RATING:						
DEVICE		BRANCH CIRCUIT		BRANCH CIRCUIT		BRANCH CIRCUIT		BRANCH CIRCUIT						
EUS LOAD CON SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	PHASE LOAD (VOLT-AMPS) A B C			NO.	VOLT-AMPS	DESIGNATION	POLES	WIRE SIZE	CON SIZE	EUS LOAD
					A	B	C							
-	12	20	1	BACK ROOM LIGHTS	960	1	960	2	0	SPARE	1	20	-	-
-	12	20	1	BACK ROOM LIGHTS	960	3	960	4	0	SPARE	1	20	-	-
-	12	20	1	MEAT PREP LIGHTS	555	5	555	6	110	ASSOCIATES TRAINING LIGHTS	1	20	12	-
-	20	1	1	SPARE	0	7	300	8	300	ECF	1	20	12	-
-	10	1	1	RECEIVING AREA LIGHTS	960	9	1240	10	300	ECF	1	20	12	-
-	10	1	1	RECEIVING ROOM SCALES	240	11	240	12	300	ECF	1	20	12	-
-	10	20	1	MEAT ROOM RECEPT	180	13	180	14	0	SPARE	1	20	-	-
-	12	20	1	RECEPT BETWEEN PANEL D/E	180	15	180	16	0	PRODUCE PREP SPARE	1	20	12	-
-	10	20	1	ASSOCIATES TRAINING RECEPT	180	17	180	18	0	PRODUCE PREP SPARE	1	20	12	-
-	10	20	1	MEAT PREP WRAPPER	540	19	540	20	0	PRODUCE PREP SPARE	1	20	10	-
-	10	20	1	MEAT PREP WRAPPER	540	21	540	22	0	SPARE	1	20	10	-
-	10	20	1	MEAT PREP WRAPPER	540	23	540	24	240	PRODUCE PREP SCALE	1	20	12	-
-	10	20	1	RECEIVING AREA END	300	25	696	26	396	ASSOCIATES TRAINING TF	1	20	12	-
-	20	1	1	SPARE	0	27	240	28	240	BUS LIGHT RECEPT	1	20	12	-
-	20	1	1	SPARE	0	29	240	30	240	SPARE	1	20	12	-
-	20	1	1	SPARE	0	31	180	32	180	RECEPT ABOVE SDR DOOR	1	20	12	-
-	10	20	1	HVAC FANS GROCERY STAGING	300	33	600	34	300	FIRE ALARM	1	20	12	-
-	10	20	1	HVAC FANS	300	35	300	36	1000	PARKING LOT LIGHT	1	20	12	-
-	10	20	1	HVAC FANS	300	37	2300	38	2000	PARKING LOT LIGHT	3	50	6	-
-	20	1	1	SPARE	0	39	2000	40	2000	PARKING LOT LIGHT	3	50	6	-
-	10	20	1	OLD-LOAD 2	2000	41	2000	42	2000					
TOTALS PER PHASE					5154	5780	5465	TOTAL CONNECTED LOAD (VA)			16,601			
TOTALS AMPS PER PHASE					43	48	47	VOLTS						

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LINX ASBUILTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS

ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBTLE TERMINATION ON BREAKER

SHEET SEE 6.0, ELECTRICAL DEFICIENCIES TO BE REPAIRED LOT FOR FURTHER INFORMATION D-147

PANEL: PA1

LOCATION: MECH ROOM

FED FROM: PA

VOLTAGE: 208Y/120 VOLT, 3PH, 4W, 40 Hz

MAINS

225V, 120 AMP

AMP MAIN BREAKER

FLUSH

X SURFACE

100% NEUTRAL BUS

LOCK ON CIRCUIT

SHUNT TRIP

MINIMUM AIR RATING:

65

KA

DEVICES																
BRANCH CIRCUIT						BRANCH CIRCUIT										
EAG LOAD	CROSS SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT.-AMPS	NO.	PHASE LOAD (VOLT.-AMPS)			DESIGNATION	POLES	AMP TRIP	WIRE SIZE	CROSS SIZE	EAG LOAD
								A	B	C						
								NO.	NO.	NO.						
-	-	-	-	-	SPARE	0	1	3000	0	2	3000	0	30	10	-	-
-	-	-	-	-	SPARE	0	1	3000	0	4	3000	0	30	10	-	-
-	-	-	-	-	RECLAMP PUMP	960	5	3000	3960	4	3000	0	40	10	-	-
-	-	-	-	-	HEAT PREP FANS	960	7	3792	0	4	3000	0	40	10	-	-
-	-	-	-	-	GROCCY STAGING LIGHTS	960	5	560	10	0	0	0	30	10	-	-
-	-	-	-	-	RECLAMP TAMP	960	11	960	12	0	0	0	30	10	-	-
-	-	-	-	-	SPARE	0	13	0	0	14	0	0	30	10	-	-
-	-	-	-	-	SPARE	0	13	0	0	16	0	0	30	10	-	-
-	-	-	-	-	SPARE	0	17	0	0	18	0	0	30	10	-	-
-	-	-	-	-	COND.A	4788	19	4788	4788	22	0	0	30	10	-	-
-	-	-	-	-	COND.A	4788	23	4788	24	0	0	0	30	10	-	-
-	-	-	-	-	COND.A	4788	23	4788	24	0	0	0	30	10	-	-
-	-	-	-	-	COND.A	720	25	720	26	0	0	0	30	10	-	-
-	-	-	-	-	EXHAUST FAN	720	27	720	28	0	0	0	30	10	-	-
-	-	-	-	-	EXHAUST FAN	720	29	720	30	0	0	0	30	10	-	-
TOTALS PER PHASE								13300	948	1948	TOTAL CONNECTED LOAD (VA)					
TOTALS AMPS PER PHASE								60	79	87	TOTALS					

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOTING LOW LOADS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS

ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKER

SEE SHEET EA-8 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-141

PANEL: CR				VOLTAGE: 208Y/120 VOLT, 1PH, 3W, 60 Hz				100% NEUTRAL BUS						
LOCATION: WORKROOM				MAINS 125 AMP X MILO				LOCK ON CIRCUIT						
FED FROM: UPS				AMP MAIN BREAKER				SHUNT TRIP						
MOUNTING: UNITIZED SWITCHGEAR				X FLUSH SURFACE				MINIMUM AIC RATING: 65 KA						
DEVICE		BRANCH CIRCUIT		X FLUSH SURFACE				BRANCH CIRCUIT		DEVICE				
COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)	NO.	VOLT-AMPS	DESIGNATION	POLES	AMP TRIP	COND SIZE	WIRE SIZE
						L1	L2							
1/2	12	15	1	REGISTER #1	420	1	840	2	420	REGISTER #2	1	15	12	1/2
1/2	12	15	1	REGISTER #3	420	3	840	4	420	REGISTER #4	1	15	12	1/2
1/2	12	15	1	SELF CHECK OUT 51	420	5	840	6	420	SELF CHECK OUT 52	1	15	12	1/2
1/2	12	15	1	SELF CHECK OUT 53	420	7	840	8	420	SELF CHECK OUT 54	1	15	12	1/2
1/2	12	15	1	SAFE	300	9	450	10	180	REAR DOOR RECEPTACLE	1	15	12	-
				SPARE	180	11	270	12	360	KOHL RECEPTACLE	1	15	12	-
1/2	12	15	1	DEPART MANAGER OFFICE WORKSTATION #1	180	13	540	14	360	CASH RECYCLER	1	15	12	1/2
1/2	12	15	1	DEPART MANAGER OFFICE WORKSTATION #2	180	15		16	0	SPARE	1	15	-	-
1/2	12	15	1	DEPART MANAGER OFFICE WORKSTATION #3	180	17	360	18	180	WORK ROOM RECEPT	1	15	12	1/2
1/2	12	15	1	DATA CAB	360	19	540	20	180	WORK ROOM RECEPT	1	15	12	1/2
1/2	12	15	1	DATA CAB	360	21	540	22	180	WORK ROOM RECEPT	1	15	12	1/2
-	12	15	1	ASSOC. TRAINING	180	23		24	0	SPARE	1	15	-	-
TOTALS PER PHASE					3600	2940	TOTAL CONNECTED LOAD (VA)							
					300	25	AT 120		VOLTS					
TOTALS AMPS PER PHASE														

NOTES: EXISTING PANEL EXISTING INFORMATION FROM FOOD LUN ASBLTS. ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS
ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKERS
MODIFY PANEL AS INDICATED

BOLD INDICATES NEW WORK

SHEET SEE 6.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-150

PANEL: E										VOLTS:		208Y/120 VOLT, 3PH, 4W, 60 Hz		100% NEUTRAL BUS		LOCK ON CIRCUIT		SHUNT TRIP		FLUSH		X SURFACE		MINIMUM AIR RATING:		65 KA	
LOCATION: MECH ROOM										MOUNTING: UNITIZED SWITCHGEAR		DEVICE		BRANCH CIRCUIT		BRANCH CIRCUIT											
FED FROM: MDP-3																											
END LOAD	COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLTS-AMPS	NO.	PHASE LOAD (VOLT-AMPS)			NO.	VOLTS-AMPS	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	COND SIZE	END LOAD									
					A B C																						
-	10	20	3		MEAT SAW	1120	1	3120			2	3000															
-	10	20	3		MEAT SAW	1120	5	3120			6	2000															
-	10	20	3		MEAT SAW	2000	7	2000			0	6	0														
-	10	30	3		MEAT GRINDER	2000	9	2000			10	1000															
-	10	30	3		MEAT GRINDER	2000	11	2000			12	0															
-	-	-	1		BLANK	0	13	4430			14	4430															
-	-	-	1		BLANK	0	15	0			16	4430															
-	-	-	1		BLANK	0	17	0			18	4430															
-	-	-	1		BLANK	0	19	0			20	0															
-	-	-	1		BLANK	0	21	0			22	0															
-	-	-	1		BLANK	0	23	0			24	450															
-	-	-	1		BLANK	0	25	300			26	300															
-	-	-	1		BLANK	0	27	0			28	4430															
-	-	-	1		BLANK	0	29	0			30	4430															
-	8	20	2		FLOOD LIGHTS	1200	31	5630			32	4430															
-	8	20	2		FLOOD LIGHTS	1200	33	1255			34	55															
-	-	-	1		BLANK	0	35	0			36	0															
-	-	-	1		BLANK	0	37	0			38	0															
-	-	-	1		BLANK	0	39	0			40	0															
-	-	-	1		BLANK	0	41	0			42	0															
TOTALS PER PHASE						15480			15335	0	4420	0	TOTAL CONNECTED LOAD (VA)						15145								
TOTALS AMP PER PHASE						129			127	120	120	120	VOLTS														

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LOG ASSURITS. ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS

ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKERS

SEE SHEET 66.04 ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-144

PANEL: PB

LOCATION: MECH ROOM

FEED FROM: ADP-1

VOLTAGE: MAINS

225 AMP MAIN BREAKER

FLUSH

208Y/120 VOLT, 3PH, 4W, 60 Hz

X MLO

SURFACE

100% NEUTRAL BUS

LOCK ON CIRCUIT

SHUNT TRIP

MINIMUM AIR GAP RATINGS:

65

KA

DESIGNATION

VOLT-AMPS

NO.

PHASE LOAD (VOLT-AMPS)

VOLT-AMPS

DESIGNATION

VOLT-AMPS

NO.

PHASE LOAD (VOLT-AMPS)

VOLT-AMPS

POLES

WIRE SIZE

AMP TRIP

CONSD

EMG LOAD

POLES

WIRE SIZE

AMP TRIP

CONSD

EMG LOAD

-	10	20	1	FROZEN FOOD CASE FANS	[B6]	600	1	1008	2	408	FROZEN FOOD CASE LIGHTS	[B5]	1	20	12	-						
-	10	20	1	FROZEN FOOD CASE LIGHTS	[B6]	696	3	1176	4	480	FROZEN FOOD CASE FANS	[B5]	1	20	12	-						
-	10	20	1	FROZEN FOOD CASE FANS	[B6]	1056	3	1072	6	480	FROZEN FOOD CASE LIGHTS	[B5]	1	20	12	-						
-	10	20	1	FROZEN FOOD CASE FANS	[B7]	900	7	1236	8	336	BEER CASE LIGHTS	[A5]	1	20	10	-						
-	10	20	1	FROZEN FOOD CASE LIGHTS	[B4]	420	9	1260	10	840	BEER CASE FANS	[A5]	1	20	10	-						
-	10	20	1	FROZEN FOOD CASE FANS	[B7]	1548	11	1316	12	1668	ICE CREAM CASE LIGHTS	[B9]	1	20	10	-						
-	10	20	1	FROZEN FOOD CASE FANS	[B4]	1238	13	1680	14	1152	ICE CREAM CASE LIGHTS	[B9]	1	20	10	-						
-	10	20	1	FROZEN FOOD CASE LIGHTS	[B7]	1044	15	2004	16	960	ICE CREAM CASE FANS	[B9]	1	20	10	-						
-	10	20	1	FROZEN FOOD CASE FANS	[B4]	1536	17	2004	18	960	LOUNGE MICROWAVE	[B9]	1	20	12	1/2						
-	10	20	1	SWARE	0	19	220	220	220	220	LOUNGE LIGHTS	1	20	12	-							
-	10	20	1	SHIRT WISER	300	21	700	22	400	200	MECH ROOM RECEPT	1	20	12	-							
1/2	10	20	1	ICE CREAM CASE FANS	[B9]	1168	23	2064	24	360	SUPPLY JAN MECH ROOM	1	20	12	-							
-	10	20	1	AIR CURTAIN	960	25	1356	26	396	36	SUPPLY JAN MECH ROOM	1	20	12	-							
-	10	20	1	AIR CURTAIN	960	27	1920	28	960	36	LOUNGE REFRIGER	1	10	12	1/2							
-	10	20	1	PRODUCET RECEIPT	540	29	1500	30	960	36	PRODUCET COFFEE MAKER	1	20	12	-							
-	10	20	1	PRODUCET RECEIPT	540	31	1500	32	960	36	WOMENS HAND DRYER	1	20	12	-							
-	10	20	1	AIR CURTAIN	960	33	1920	34	960	36	MENS HAND DRYER	1	20	12	-							
1/2	10	20	1	FROZEN FOOD CASE FANS	[B6]	1056	35	2616	36	960	WOMENS HAND DRYER	1	20	12	-							
1/2	10	20	1	FROZEN FOOD CASE FANS	[B7]	1548	37	2508	38	960	WOMENS HAND DRYER	1	20	12	-							
1/2	10	20	1	FLOOR MACHINE	1200	39	2160	40	960	WOMENS HAND DRYER	1	20	12	-								
1/2	10	20	1	FLOOR MACHINE	1200	41	2160	42	960	WOMENS HAND DRYER	1	20	12	-								
TOTALS PER PHASE										TOTAL, CONNECTED LOAD (VA)										37,280		
TOTALS AMPS PER PHASE										TOTALS												
79										93										139	AT	120

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LION LOADS, ELECTRICAL CONTRACT TO REPAIR LIFT FOR FURTHER BREAKER INFORMATION D-140

ELECTRICAL CONTRACTOR TO REMOVE ANY DUEBULATION ON BREAKER

PANEL: B

LOCATION: MECH ROOM

FED FROM: MD-3

VOLTS: 225 AMP

3 W

MO

MOUNTING: UNUNITIZED SWITCHGEAR

FLUSH

S SURFACE

100% NEUTRAL BUS

LOAD ON CIRCUIT

SHUNT TRIP

MINIMUM AIR RATING:

65

KA

BRANCH CIRCUIT										BRANCH CIRCUIT									
EAG LOAD	CROSS SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS)			NO.	VOLT-AMPS	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	CROSS SIZE	EAG LOAD	
								A	B	C									
-	-	-	-	-	KE	300	1	300			2	0	SPARE	1	20	-	-	-	
-	-	-	-	-	KE	300	3	300			4	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	5			778	6	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	7			778	8	0	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	9			778	10	0	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	11			778	12	0	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	13			778	14	0	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	15			555	16	555	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	17			555	18	555	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	19			555	20	555	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	21			178	22	778	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	23			778	24	778	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	25			778	26	778	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	SPARE	0	27			778	28	778	SALES AREA LIGHTS	1	20	-	-	-	
-	-	-	-	-	CANOPY LIGHTS	560	29			560	30	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	31			0	34	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	35			0	36	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	37			300	38	300	WIRE BREAKER	1	20	-	-	-	
-	-	-	-	-	SPARE	0	39			0	40	0	SPARE	1	20	-	-	-	
-	-	-	-	-	SPARE	0	41			349	42	349	SPARE	1	20	-	-	-	
TOTALS PER PANEL						1489	319	247				TOTAL CONNECTED LOAD (VA)							
TOTALS AMP PER PHASE						29	29	29				VOLTS							

NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD LOG AVAILABLE. ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS.

ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBLE TERMINATION ON BREAKER

SEE SHEET E-4 FOR ELECTRICAL DEVICES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-144

PANEL: LG				208Y/120 VOLT, 3PH, 4W, 60 Hz				100% NEUTRAL BUS															
LOCATION: MECH ROOM				VOLTS: 225 AMP <input checked="" type="checkbox"/> MLO				LOAD ON CIRCUIT															
FEED FROM: MDP-1				AMP MAIN BREAKER				SHUNT TRIP															
MOUNTING: UNITIZED SWITCHGEAR				FLUSH <input checked="" type="checkbox"/> SURFACE				MINIMUM AIC RATING:				65 KA											
DEVICE		BRANCH CIRCUIT						BRANCH CIRCUIT															
EUS LOAD	COND SIZE	WIRE SIZE	AMP TRIP	POLES	DESIGNATION	VOLTS-AMPS	NO.	PHASE LOAD (WATT-AMPS)			VOLTS-AMPS	NO.	DESIGNATION	POLES	AMP TRIP	WIRE SIZE	COND SIZE	EUS LOAD					
								A	B	C													
-	-	20	1		SPARE	0	1	1872			2	1872	REFRIGERATED PRODUCE BIN	2	20	10	1/2						
-	-	20	1		SPARE	0	3	1872			4	1872	(208/120-18.9 MKA, 20A MOPO)	2	20	10	1/2						
-	-	20	1		SPARE	0	1	1872			6	1872	REFRIGERATED PRODUCE BIN	2	20	10	1/2						
-	-	30	1		FROZEN FOOD CASE A/IS	(B13)	2064	7	3936		8	1872	(208/120-18.9 MKA, 20A MOPO)	2	20	10	1/2						
-	-	20	1		BLANK	0	9	1872			10	1872	REFRIGERATED PRODUCE BIN	2	20	10	1/2						
-	-	20	1		FROZEN FOOD CASE A/IS	(B12)	1656	11	1172		1372	1872	(208/120-18.9 MKA, 20A MOPO)	2	20	10	1/2						
-	-	2	2		DSD HEATER	1500	13	3372			14	1872	REFRIGERATED PRODUCE BIN	2	20	10	1/2						
-	-	20	1		FROZEN FOOD CASE A/IS	(B10)	1500	15	3372		16	1872	(208/120-18.9 MKA, 20A MOPO)	2	20	10	1/2						
1/2	-	20	1		FROZEN FOOD CASE A/IS	(B10)	1140	17	3372		18	2184	REFRIGERATED PRODUCE BIN	1	25	10	1/2						
-	-	12	20	1	DSD RECEPT	360	19	600			20	240	REFRIGERATED PRODUCE BIN MONITOR	1	20	10	1/2						
-	-	12	20	1	DSD RECEPT	360	21			1080	22	0	BLANK	1	20	10	1/2						
-	-	12	20	1	DSD RECEPT	360	23			1080	24	720	REFRIGERATED PRODUCE BIN	1	20	10	1/2						
-	-	12	20	1	FROZEN FOOD CASE FANS	(B10)	564	25	564		26	564	SPARE	1	20	-	-						
-	-	100	3		SPARE	0	27	576		28	576	FROZEN FOOD CASE LIGHTS	(B12)	1	20	12	-						
-	-	12	20	1	SPARE	0	29	696		30	696	FROZEN FOOD CASE LIGHTS	(B12)	1	20	12	-						
-	-	12	20	1	FROZEN FOOD CASE FANS	(B12)	480	31	480		32	0	SPARE	1	20	-	-						
-	-	12	20	1	FROZEN FOOD CASE FANS	(B13)	600	35	600		36	0	SPARE OVER AIR HANDLER	1	20	-	-						
-	-	1			BLANK	0	37	312		38	312	FROZEN FOOD CASE LIGHTS	(B10)	1	20	12	1/2						
-	-	1			BLANK	0	39	0		40	0	SPARE	1	20	-	-							
-	-	1			BLANK	0	41	0		42	0	BLANK	1	20	-	-							
TOTALS PER PHASE						10564						6522						11000		TOTAL CONNECTED LOAD (VA)		30,288	
TOTALS AMP PER PHASE						89						71						93		AT 120		VOLTS	
NOTES EXISTING PANEL EXISTING INFORMATION FROM FOOD ISLAND ASSURTS, ELECTRICAL CONTRACTOR TO FIELD VERIFY PANEL CIRCUITS																							
ELECTRICAL CONTRACTOR TO REMOVE ANY DOUBT TERMINATION ON BREAKER																							

SEE SHEET E-6 ON ELECTRICAL DEFICIENCIES TO BE REPAIRED LIST FOR FURTHER BREAKER INFORMATION D-138

ELECTRICAL FEEDER SCHEDULE									
FEEDER CONDUCTOR SIZE (75°C)					CONDUIT SIZE (EMT)				
FEEDER AMPACITY	NO. OF SETS	COPPER CONDUCTORS (THWN)		ALUMINUM CONDUCTORS (THWN)		3 PHASE CONDUCTORS AND GROUND		3 PHASE CONDUCTORS, NEUTRAL, AND GROUND	
		PHASE & NEUTRAL	GROUND & I.G.	PHASE & NEUTRAL	GROUND & I.G.	COPPER FEEDERS	ALUMINUM FEEDERS	COPPER FEEDERS	ALUMINUM FEEDERS
20	1	12	12	-	-	3/8"	-	3/8"	-
30	1	10	10	-	-	3/8"	-	3/8"	-
40	1	8	10	-	-	3/8"	-	3/8"	-
50	1	8	10	-	-	3/8"	-	3/8"	-
60	1	6	6	-	-	3/8"	-	3/8"	-
70	1	4	8	-	-	3/8"	-	1 1/8"	-
80	1	4	8	-	-	1"	-	1 1/8"	-
100	1	3	8	-	-	1 1/8"	-	1 1/8"	-
110	1	2	8	-	-	1 1/8"	-	1 1/8"	-
125	1	1	6	-	-	1 1/8"	-	1 1/8"	-
150	1	1/0	6	-	-	1 1/8"	-	2"	-
175	1	1/0	6	-	-	2"	-	2"	-
200	1	3/0	6	-	-	2"	-	2"	-
225	1	4/0	4	-	-	2"	-	2 1/2"	-
250	1	250kcmil	4	-	-	2 1/2"	-	2 1/2"	-
300	2	1/0	4	-	-	2 1/2"	-	2"	-
350	2	2/0	3	-	-	2"	-	2"	-
400	2	3/0	3	-	-	2"	-	2"	-
450	2	4/0	2	-	-	2"	-	2 1/2"	-
500	2	250kcmil	2	-	-	2 1/2"	-	2 1/2"	-
600	2	350kcmil	1	-	-	2 1/2"	-	3"	-
750	2	500kcmil	1/0	-	-	3"	-	3"	-
800	3	300kcmil	1/0	400kcmil	3/0	2 1/2"	2 1/2"	2 1/2"	3"
1000	3	500kcmil	2/0	600kcmil	4/0	3"	3"	3 1/2"	3 1/2"

NOTES:
 1.) SIZE BASED ON THE 2020 NEC EDITION. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SIZED PER NEC.
 2.) ALUMINUM WIRING ALTERNATE ACCEPTABLE FOR FEEDS TO MDP MAINS.
 3.) WIRING USING ALUMINUM ALTERNATE.
 4.) THE SURFACE OF THE CONDUCTOR MUST BE WIRE-BRUSHED TO BREAK ANY ALUMINUM OXIDE BARRIER LEAVING A CLEAN SURFACE FOR CONNECTION.
 5.) ANY MANUFACTURER APPROVED WIRE-ODENT COMPOUND OR JOINT COMPOUND AT ALL ALUMINUM TERMINAL CONNECTIONS.
 6.) ALL INTERIOR WIRING SHOULD BE COPPER.

NOTES:

- 1) SIZE BASED ON THE 2020 NEC EDITION. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SIZED PER NEC.
- 2) ALUMINUM WIRING ALTERNATE ACCEPTABLE FOR FEEDS TO MDP MAINS.

WHEN USING ALUMINUM ALTERNATE:

- 1.) THE SURFACE OF THE CONDUCTOR MUST BE WIRE-BRUSHED TO BREAK ANY ALUMINUM OXIDE BARRIER LEAVING A CLEAN SURFACE FOR CONNECTION.
- 2.) APPLY MANUFACTURER APPROVED ANTI-OXIDANT COMPOUND OR JOINT COMPOUND AT ALL ALUMINUM TERMINAL CONNECTIONS.
- 3.) ALL INTERIOR WIRING SHALL BE COPPER.

ELECTRICAL CONTRACTOR VERIFY ALL CIRCUITS IN ALL PANELS AND REMOVE ANY UNUSED CONDUCTORS IN ALL PANELS (FIELD VERIFY EACH BREAKER) AND MARK AS SPARE

FOOD LION
STORE NO. 2654
INTERIOR ALTERATIONS
610 East King Street | Kings Mountain, NC 28086

FL PROJECT NO.: 2654FLMHP24

FILE NAME: 2654 E6.01_00.dwg

YCHA COM. #: 22423.00

PHASE & DATE:
Construction
Documents
09-20-2024

REVISIONS:

ARCHITECTURAL

E6.01