Store No.: D406
KMA: MICHIGAN

DESIGN AMBIENT: 90
VOLTAGE: 208v

	BY:	DATE	F1 DATE
	KDG	7/12/23	6/30/23
REV. 1:	D. SPIVEY	9/15/23	9/11/23
REV. 2:	KDG	3/13/24	NA

RACK	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	PNET ITEM 060-000	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #/DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	PARALLEL RACK INFORMATION
A															R407A		EXISTING PARALLEL RACK
	1	17	DRS		RL(IC)-R	G.D.(ICE CREAM) Retro-fitted w/LED's	GROC.	EX.		-19	25.3		1	EL/TEMP			Reclaim: Unknown
	2	18	DRS		RL(LT)-R	G.D.(LOW TEMP) Retro-fitted w/LED's	GROC.	EX.		-11	25.3		1	EL/TEMP			Controller: CPC Einstein II RX-400 Serving Racks A & B
	3				**ABANDON**												Control Voltage: 208V
	4	10	14	10	EXIST COIL(S)	FREEZER	BAK.	EX.		-22	14.0						Control Valve Voltage: 208V
	5	20	20	10	EXIST COIL(S)	FREEZER	GROC.	EX.		-22	29.4						Compressor Voltage: 208
	6	9	DRS		RL(IC)-R	G.D.(ICE CREAM) Retro-fitted w/LED's	GROC.	EX.		-19	26.7		1	EL/TEMP			
	1	**QTY**			**RLN(IC-E-LED2)-2**	**2 DOOR G.D., ICE CREAM TEMP, NARROW**	**GROC.**	**NEW**		**-19**	**2.1**		**1**	**EL/TEMP**			
	7	12	FT		LW(LT)	WIDE ISLE (LOW TEMP)	MEAT	EX.		-20	7.9		1	EL/TEMP			EXISTING COMPRESSORS @ 100 DEG. CONDENSING TEMP:
		2	QTY		LWE(LT)	WIDE ISLE END (LOW TEMP)	MEAT	EX.		-20	3.9		1	EL/TEMP			3DB3-0750-TFC
	8				SPARE												4DL3-1500-TSK
	9	1	QTY		RLN(IC-E-LED)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	BAK.	EX.		-19	2.3		1	EL/TEMP			4DL3-1500-TSK
		1	**QTY**		**RLN(IC-E-LED2)-2**	**2 DOOR G.D., ICE CREAM TEMP, NARROW**	**BAK.**	**NEW**		**-19**	**2.1**		**1**	**EL/TEMP**			4DL3-1500-TSK
	10	**2**	**QTY**		**RLN(LT-E-LED2)-5**	**5 DOOR G.D., LOW TEMP, NARROW**	**MEAT**	**NEW**		**-11**	**9.6**		**1**	**EL/TEMP**			3DF3F-0900-TFC-800
		1	**QTY**		**RLN(LT-E-LED2)-5**	**5 DOOR G.D., LOW TEMP, NARROW**	**SEAF.**	**NEW**		**-11**	**4.8**		**1**	**EL/TEMP**			
	11L				SPARE											153.4	
B															R407A		EXISTING PARALLEL RACK
	11M	**44**	**FT**		**M5GE**	**FIVE DECK**	**MEAT**	**REL.**		**21**	**58.1**	**EVR**	**4**	**OT/TEMP**			Reclaim: Unknown
	12	**1**	**QTY**		**IM5SL-8**	**8' FIVE DECK**	**SEAF.**	**NEW**		**27**	**8.4**	**EVR**	**4**	**OT/TIME**			Controller: Unknown
		1	**QTY**		**IM5SL-8**	**8' FIVE DECK**	**MEAT**	**NEW**		**27**	**8.4**		**4**	**OT/TIME**			Control Voltage: 208V
	13	4	QTY		D5E-12	12' FIVE DECK,	MEAT	EX.		24	68.2		4	OT/TEMP			Control Valve Voltage: 208V
	14	638	SQ FT	10	EXIST COIL(S)	COOLER W/ (16) DOORS	DAIRY	EX.		24	48.9						Compressor Voltage: 208
	15	**1**	**QTY**		**ESBDS-8**	**8' SERVICE**	**DELI.**	**NEW**		**20**	**2.8**		**2**	**OT/TEMP**			
	16	24	16	10	EXIST COIL(S)	COOLER	MEAT	EX.		20	23.5						
	17	2	QTY		O5DMM-12	12' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	PROD.	EX.		28	33.0		6	OT/TEMP			
		2	QTY		O5DMM-8	8' MULTIDECK W/ SYNERG-E COIL - 84" HIGH	PROD.	EX.		28	22.0		6	OT/TEMP			
	18				SPARE		PROD.	EX.									
	19	**2**	**QTY**		**FWG(MT-E)-8**	**8' WIDE ISLAND, MED TEMP, W/G**	**MEAT**	**NEW**		**19**	**6.6**	**EVR**	**1**	**EL/TEMP**			
		2	**QTY**		**FWEG(MT-E)**	**WIDE ISLAND END , MED TEMP, W/G**	**MEAT**	**NEW**		**19**	**3.1**		**1**	**EL/TEMP**			
	20	**2**	**QTY**		**C3NBRSS59-KBL**	**5' SELF SERVICE**	**BAK.**	**REL.**		**20**	**6.5**	**EVR**	**4**	**OT/TIME**			
	21				SPARE												
	22				SPARE												EXISTING COMPRESSORS @ 105 DEG. CONDENSING TEMP.
	23	36	FT		D5LE	MULTI-DECK	PROD.	EX.		24	51.3		4	OT/TEMP			3DS3-1500-TFC
		3	QTY		D5XLEP-8	8' FIVE DECK, LOW FRONT	PROD.	EX.		26	30.3		3	OT/TIME			3DS3-1500-TFC
	24	12	10'-8"	10	EXIST COIL(S)	COOLER	DELI.	EX.		26	11.0						3DS3-1500-TFC
	25				**ABANDON**												4DH3-2500-TSK
	26	1	QTY		Q3-SS-8	SELF SERVICE MULTI-DECK	DELI	EX.		20	6.8		4	OT/TIME			3DS3-1500-TFC
	27	16	23'-5"	10	EXIST COIL(S)	COOLER	PROD.	EX.		24	23.8						*3DB3-1000-TFC (SAT)
	28	8'-2"	9'-7"	10	EXIST COIL(S)	RETARDER	BAK.	EX.		26	7.9						
	29	**1**	**QTY**		**FWG(MT-E)-12**	**12' WIDE ISLAND, MED TEMP, W/G**	**DAIRY**	**NEW**		**19**	**5.1**	**EVR**	**1**	**EL/TEMP**		531.4	
		2	**QTY**		**FWEG(MT-E)**	**WIDE ISLAND END , MED TEMP, W/G**	**DAIRY**	**NEW**		**19**	**3.1**		**1**	**EL/TEMP**			
	30	**1**	**QTY**		**FL5NX-LEP-12**	**12' MULTI DECK, LOW FRONT, NARROW**	**FLOR.**	**NEW**		**28**	**15.9**	**EVR**	**4**	**OT/TIME**			EXISTING Air Cooled Condenser
	31	**2**	**QTY**		**FWG(MT-E)-8**	**8' WIDE ISLAND, MED TEMP, W/G**	**MEAT**	**NEW**		**19**	**6.6**	**EVR**	**1**	**EL/TEMP**			HUSSMANN HACVW-10408, 64.50 mbh/deg td capacity, 56 circuits, 10.9 TD
		2	**QTY**		**FWEG(MT-E)**	**WIDE ISLAND END , MED TEMP, W/G**	**MEAT**	**NEW**		**19**	**3.1**		**1**	**EL/TEMP**			
	32	**2**	**QTY**		**IDD5SL-12**	**12' FIVE DECK WITH DOORS**	**DELI.**	**NEW**		**33**	**4.7**	**ORIT/EVR**	**1**	**OT/TIME**			
	33	833	SQ FT		EXIST COIL(S)	PREP	MEAT	EX.		35	41.7		4	OT/TIME			
		877	SQ FT		EXIST COIL(S)	PREP	PROD.	EX.		35	30.7						

																		DISTRIBUTED UNIT INFORMATION
RACK	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	PNET ITEM 060-000	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #/DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
C															R404a		EXISTING PARALLEL RACK					
	1	44	FT		D5E	FIVE DECK	DELI.	EX.		24	59.6	EXISTING	4	OT/TEMP			Reclaim: Unknown					
	2	44	FT		D5E	FIVE DECK	DELI.	EX.		24	59.6	EXISTING	4	OT/TEMP			Controller: CPC Einstein II RX-400 Serving units C & D					
	3	32	FT		LNM	ISLAND (MEDIUM TEMP)	DAIRY	EX.		21	10.9	EXISTING	1	OT/TEMP			Control Voltage: 208V					
	4	**2**	**QTY**		**IDD5SL-12**	**12' FIVE DECK WITH DOORS**	**BEV.**	**NEW**		**33**	**4.7**	**ORIT/EVR**	**1**	**OT/TIME**			Control Valve Voltage: 208V					
	5	**2**	**QTY**		**IDD5SL-12**	**12' FIVE DECK WITH DOORS**	**BEV.**	**NEW**		**33**	**4.7**	**ORIT/EVR**	**1**	**OT/TIME**			Compressor Voltage: 208					
	6	**1**	**QTY**		**IM-04-C12-R(DAIRY)**	**12' UNITIZED MULTI-DECK ISLAND**	**DAIRY**	**REL.**		**28**	**16.5**	**EVR**	**6**	**OT/TIME**								
		2	**QTY**		**IM-04-E5(DAIRY)**	**MULTI-DECK SELF SERVICE END**	**DAIRY**	**REL.**		**28**	**6.9**		**6**	**OT/TIME**			***ZS30K4**					
																	ZS45K4	6	19	49.9	68.4	
																	ZS45K4	6	19	49.9	68.4	
																	ZS45K4	6	19	49.9	68.4	
																	ZS45K4	6	19	49.9	68.4	
																162.8				199.8	273.7	81.5%
																	***COMPRESSORS TO BE VALVED OFF AND REMOVED FROM CONTROL STRATEGEY**					
																	EXISTING 460V Air Cooled Condenser					
																	HUSSMANN LCVV-4310, 22.18 mbh/deg td capacity, 68 circuits, 12.3 TD Setpoint					
D															R404a		EXISTING DISTRIBUTED UNIT					
	1	20	DRS		RL(LT)-R	G.D.(LOW TEMP) Retro-fitted w/LED's	GROC.	EX.		-11	28.1		1	EL/TEMP			Configuration: Vertical					
	2	20	DRS		RL(LT)-R	G.D.(LOW TEMP) Retro-fitted w/LED's	GROC.	EX.		-11	28.1		1	EL/TEMP			Reclaim: Unknown					
	3	20	DRS		RL(LT)-R	G.D.(LOW TEMP) Retro-fitted w/LED's	GROC.	EX.		-11	28.1		1	EL/TEMP			Controller: Unknown					
	4	16	DRS		RL(LT)-R	G.D.(LOW TEMP) Retro-fitted w/LED's	GROC.	EX.		-11	22.5		1	EL/TEMP			Control Voltage: 208V					
																	Control Valve Voltage: 208V					
																	Compressor Voltage: 208V					
																	ZS21K4	3	-14	12.4	19.2	
																	ZS45K4	6	-14	26.2	40.5	
																	ZS45K4	6	-14	26.2	40.5	
																	ZS45K4	6	-14	26.2	40.5	
																	ZS45K4	6	-14	26.2	40.5	
																	ZS45K4	6	-14	26.2	40.5	
																106.7				143.5	221.6	74.4%
																	EXISTING Air Cooled Condenser					
																	HUSSMANN LCVV-4310, 22.18 mbh/deg td capacity, 68 circuits, 10.0 TD					

- FOR REFERENCE ONLY -

GENERAL NOTES :

UNLESS NOTED OTHERWISE, ALL EQUIPMENT IS TO BE CONSIDERED EXISTING, NEW, AND/OR RELOCATED. EQUIPMENT SHALL BE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED EQUIPMENT AS INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS DATED 07/07/2023 AND KROGER PLANS DATED 07/12/2023. ALL WORK MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTACT THE KROGER ENGINEER IF ANY DISCREPANCIES ARE FOUND.

NOTE:
THE DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. AND NOT TO SHOW COMPLIANCE WITH ANY CODES, LAWS, ORDINANCES, REGULATIONS, ORDINANCES AND APPROVAL OF THE JURISDICTION AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE CODES AND REPORT ANY DISCREPANCIES BEFORE BIDDING.

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MINOR WITHIN THE WALLS

D-406
1200 E BRISTOL RD
BURTON, MI 48529

CURRENT PLAN DATE: 3/13/2024
ORIGINAL PLAN DATE: 7/12/2023
DRAWN: M. GRIESSMANN
CHECKED:
REVISIONS:
DS 09/15/23 KDG 03/13/24

STANDARD PLOTTED SCALE: NO SCALE

BUILDING STATS:

TOTAL SHELVING	2,530 LF
SALES AREA % OF GROSS BUILDING	39,393 SF 72 %
BASE STORE	51,902 SF
MEZZANINE	1,013 SF
DOCK / UTILITY	1,476 SF
GROSS BUILDING	54,391 SF

REFRIGERATION EQUIP. SCHEDULE

STEEL PACKAGE ID:

D-406

SHEET: R6.1

CAD FILE: