

Store No.: D751

KMA: MICHIGAN

DESIGN AMBIENT: 90

VOLTAGE: 208V

ALTITUDE: 600

BY: J. NELSON

DATE 10/9/23

F1 DATE N/A

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST		REFRIG	TOTAL LOAD	DISTRIBUTED UNIT INFORMATION											
																	COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED						
A	1	15'-7"	28'	10'	LFA-230	COOLER	PROD.	EX.		24	27.0	EXISTING			R404A	168.6	EXISTING DISTRIBUTED UNIT											
	2	400	SQ	FT	LFA-150	PREP	PROD.	EX.		35	22.1	EXISTING					Configuration: Vertical											
	3				ABANDONED												Reclaim: Air											
	4	1	QTY		IM-04-C12-R(DELI)	12' UNITIZED MULTI-DECK ISLAND	DELI.	EX.		28	16.5	EXISTING	6	OT/TIME			Controller: DANFOSS AK-SM 880A											
		2	QTY		IM-04-E5(DELI)	MULTI-DECK SELF SERVICE END	DELI.	EX.		28	6.9	EXISTING	6	OT/TIME			Control Voltage: 208V											
	5A	1	QTY		O3UM(DE)-8	8' LOW PROFILE MULTIDECK W/ SYNERG-E COIL - 48" HIGH	DELI.	NEW		28	6.6	ORIT/EVR	6	OT/TEMP			Control Valve Voltage: 208V											
	5B	1	QTY		ESBDS-8	8' SERVICE	DELI.	NEW		20	2.8	EVR	2	OT/TEMP			Compressor Voltage: 208V											
	6	3	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	BEV.	EX.		32	10.8	EXISTING	1	OT/TIME			ZS45K4E		18	49.0	67.3							
	7	8	10	10	ACM-76	RETARDER	BAK.	EX.		26	8.1	EXISTING					ZS45K4E		18	49.0	67.3							
	11	10	12	10	LCA6-110	COOLER	DELI	EX.		26	10.6	EXISTING					ZS45K4E		18	49.0	67.3							
																	ZS45K4E		18	49.0	67.3							
RH1	9	22	19	10	LFAE-230	COOLER	MEAT	EX.		20	24.9	EXISTING				168.6												
	10	554	SQ	FT	LFA-230	PREP	MEAT	EX.		35	32.3	EXISTING																
AR	8	1	QTY		FW(DT-E)-8	8' WIDE ISLAND, DUAL TEMP	MEAT	EX.		-20	4.0	EXISTING	1	EL/TEMP	31.8		ZF15K4E											
		2	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	EX.		-20	4.2		1	EL/TEMP			ZF18K4E											
	9	10	DRS		RLI(LT)	G.D.(LOW TEMP)	SEAF.	EX.		-11	13.0	EXISTING	1	EL/TEMP														
	10	1	QTY		FW(DT-E)-12	12' WIDE ISLAND, DUAL TEMP	MEAT	EX.		-20	6.3	EXISTING	1	EL/TEMP														
		2	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	EX.		-20	4.2		1	EL/TEMP														
																		EXISTING Air Cooled Condenser:										
																		HUSSMANN LCVR-6310, 27.96 mbh/deg td capacity, 68 circuits, 12.0 TD Setpoint										
B	1	1	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	NUTR.	EX.		32	3.6	EXISTING	1	OT/TIME	R404A	188.7	EXISTING DISTRIBUTED UNIT											
		2	QTY		D5LE-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	NUTR.	EX.		32	4.8		1	OT/TIME			Configuration: Vertical											
	2	3	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	PROD.	EX.		32	10.8	EXISTING	1	OT/TIME			Reclaim: Air											
	3	52	FT		P4E	FOUR DECK	PROD.	EX.		24	76.7	EXISTING	4	OT/TEMP			Controller: SEE UNIT A											
	RH2	14	4	QTY		D5E-12 (GL DR)	12' FIVE DECK,, (GLASS DOOR RETROFIT)	DELI	EX.		32	14.4	EXISTING	1			OT/TIME	Control Voltage: 208V										
		15	3	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX.		32	10.8	EXISTING	1			OT/TIME	Control Valve Voltage: 208V										
			1	QTY		D5LE-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX.		32	2.4		1			OT/TIME	Compressor Voltage: 208V										
		12	14	38'-10"	10	(2)LFA-190	COOLER W/15 DRS	DAIRY	EX.		24	46.2	EXISTING					ZS38K4E		22	44.5	60.2						
			1	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX.		32	3.6		1			OT/TIME	ZS45K4E		22	53.2	72.0						
	2	3	QTY		D5LE-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX.		32	10.8	EXISTING	1	OT/TIME			ZS45K4E		22	53.2	72.0							
		2	QTY		D5LE-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX.		32	4.8		1	OT/TIME			ZS45K4E		22	53.2	72.0							
	BR	5	162	SQ	FT	MLT4-165	FREEZER	BAK.	EX.		-22	16.4	EXISTING					23.4		ZF11K4E								
		6	6	DRS		RLI(IC)	G.D.(ICE CREAM)	BAK.	EX.		-19	8.2	EXISTING	1			EL/TEMP			ZF15K4E								
																	29.0						49.0	80.6%				
																	TOTAL THR:						325.2					
																	EXISTING Air Cooled Condenser:											
																	HUSSMANN LCVR-6310, 27.96 mbh/deg td capacity, 68 circuits, 12.0 TD Setpoint											
C	3	1	QTY		FWG(MT-E)-12	12' WIDE ISLAND, MED TEMP, W/G	DAIRY	NEW		19	5.1	EVR	1	EL/TEMP	R448A	108.2	EXISTING KYSOR WARREN DSS-1IX UNIT											
		2	QTY		FWEG(MT-E)	WIDE ISLAND END , MED TEMP, W/G	DAIRY	NEW		19	3.1		1	EL/TEMP			Reclaim: WATER , See RISD-12B, Ship Loose 3-Way Reclaim Valve											
	13	44	FT		M5GE	FIVE DECK	MEAT	EX.		21	58.1	EXISTING	4	OT/TEMP			Controller: Danfoss AK-SM 880A											
	16	3	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	17.0	EVR	4	OT/TIME			Control Voltage: 208V											
	17	12	FT		NFO	UPRIGHT	FLO.R.	EX.		22	18.0	EXISTING	6				Control Valve Voltage: 208V											
	*18	3	QTY		IDD5SL-12	12' FIVE DECK WITH DOORS	DAIRY	NEW		33	6.984	ORIT/EVR	1	OT/TIME			Compressor Voltage: 208V											
																		Suction Temperature: 19° Midpoint, 22.4° Dewpoint (47.5 PSIG Setpoint)										
																		Condensing Temperature: 102° Midpoint										
																		ZBD57KCE	Digital		65.6	87.0						
																		ZB57KCE			65.6	87.0						
CR	1	3	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	16.0	EVR	1	EL/TEMP	167.9		Suction Temperature: -25° Midpoint, -22° Dewpoint (8.6 PSIG Setpoint)											
		2	QTY		RLN(IC-E-LED2)-4	4 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	8.5		1	EL/TEMP														
		1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	3.2		1	EL/TEMP														
	4	18	DRS		RLI(LT)	G.D.(LOW TEMP)	GROC.	EX.		-11	23.4	EXISTING	1	EL/TEMP			Condensing Temperature: 102° Midpoint											
	5	14	DRS		RLI(LT)	G.D.(LOW TEMP)	GROC.	EX.		-11	18.2	EXISTING	1	EL/TEMP														
	6	20	DRS		RLI(LT)	G.D.(LOW TEMP)	GROC.	EX.		-11	26.0	EXISTING	1	EL/TEMP			ZF28K4E			27.7	50.0							
	7	26	DRS		RLI(LT)	G.D.(LOW TEMP)	GROC.	EX.		-11	33.8	EXISTING	1	EL/TEMP			ZF28K4E			27.7	50.0							
	8	8	DRS		RLI(IC)	G.D.(ICE CREAM)	GROC.	EX.		-19	11.0	EVR	1	EL/TEMP			ZFD41K5E	Digital		38.7	63.0							
		2	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	6.4		1	EL/TEMP			ZF54K5E			51.2	87.1							
	11	21'-8"	27	10	(2)MLT4-220	FREEZER	GROC.	EX.		-22	39.4	EXISTING					ZF54K5E			51.2	87.1							
	SP				SPARE																							
																		196.7						337.3	85.4%			
																		TOTAL THR:						511.3				
																	EXISTING 208V Air Cooled Condenser											
																	BOHN BNH-D06-A051 (10 FPI), 49.55 mbh/deg td capacity, 56 circuits											
																	12 Degree Set Point / Operating TD											

GENERAL NOTES :

MICHIGAN
(EXIST) NEIGHBORHOOD

40393 GRAND RIVER AVENUE
NOVI, MICHIGAN
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FRESH FOR EVERYONE™
Kroger
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MINOR WITHIN THE WALLS

D-715
1215 24TH ST
PORT HURON, MI 48060

CURRENT PLAN DATE:
10/9/2023

ORIGINAL PLAN DATE:
8/9/2023

DRAWN: J. NELSON	CHECKED: M.
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U. NELSON		NL	
REVISIONS:			

STANDARD BLOTTED SCALE:				

NO SCALE

BUILDING STATS:	
TOTAL SHELVING	

SALES AREA	3
% OF GROSS BUILDING	

BASE STORE	4
MEZZANINE	

MEZZANINE	
DOCK / UTILITY	

GROSS BUILDING
48,854 SF

REFRIGERAT

EQUIP. SCHED

STEEL PACKAGE ID:

D-715

SHEET:

B6 1

110.1

CAD FILE: