Store No.: R327 — **KMA:** MID ATLANTIC — **DESIGN AMBIENT:** 92°F — **ALTITUDE:** 940 — **VOLTAGE:** 460 — **BY:** KDG — **DATE** 9/29/21 — **F1 DATE** 9/13/21

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST #DAY	DEFROST TYPE	REFRIG	TOTAL LOAD	DISTRIBUTED UNIT INFORMATION: COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
						PM TO VERIFY ALL AS NEEDED - SURVEY HAS ERRORS & INCOMPLETE															
A														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	20	33	10	EXIST COIL(S)	FREEZER	GROC.	EX	-22	43.8						Configuration: Vertical					
	2	4	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	REL.	-19	21.3	EVR	1	EL/TEMP			Reclaim: Air, See RISD-12A					
	3	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	3.2		1	EL/TEMP			Controller: See unit 'C'					
	4	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	2.1		1	EL/TEMP			Control Voltage: 208V					
	5	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	REL.	-19	2.1	EVR	1	EL/TEMP			Control Valve Voltage: 208V					
	6	3	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	16.0		1	EL/TEMP			Compressor Voltage: 460V					
	7	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	3.2		1	EL/TEMP			Modify existing distributed unit electric as required to accomplish remodel					
	8	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	2.1		1	EL/TEMP								
	9	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW	-19	2.1	EVR	1	EL/TEMP			ZF18K4E		-25	20.1	33.8	
	10	9'-2"	17'-2"	9	EXIST COIL(S)	CLICKLIST FREEZER	GROC.	EX	-22	14.5						ZF18K4E		-25	20.1	33.8	
																ZF18K4E		-25	20.1	33.8	
																ZF18K4E		-25	20.1	33.8	
																ZF18K4E		-25	20.1	33.8	
																ZF18K4E		-25	20.1	33.8	
															110.5				120.6	202.6	91.6%
																EX. HUSSMANN LAVF-22210, 20.94 mbh/deg td capacity, 68 circuits, 9.7 TD					
																PM TO VERIFY - NOT ON SURVEY					
B														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	3	QTY		RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	EX	-11	16.4		1	EL/TEMP			Configuration: Vertical					
	2	3	QTY		RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	EX	-11	16.4		1	EL/TEMP			Reclaim: Air, See RISD-12A					
	3	3	QTY		RLNI(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	14.6		1	EL/TEMP			Controller: See unit 'C'					
	4	3	QTY		RLNI(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	14.6		1	EL/TEMP			Control Voltage: 208V					
	5	3	QTY		RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	EX	-11	16.4		1	EL/TEMP			Control Valve Voltage: 208V					
	6	3	QTY		RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	EX	-11	16.4		1	EL/TEMP			Compressor Voltage: 460V					
	7	3	QTY		RLNI(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	14.6		1	EL/TEMP			Modify existing distributed unit electric as required to accomplish remodel					
		1	QTY		RLNI(LT-E-LED)-2	2 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	1.9		1	EL/TEMP								
	8	3	QTY		RLNI(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	14.6		1	EL/TEMP			ZF18K4E		-14	25.8	40.3	
		1	QTY		RLNI(LT-E-LED)-2	2 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	EX	-11	1.9		1	EL/TEMP			ZF18K4E		-14	25.8	40.3	
																ZF18K4E		-14	25.8	40.3	
																ZF18K4E		-14	25.8	40.3	
																ZF18K4E		-14	25.8	40.3	
																ZF18K4E		-14	25.8	40.3	
															127.6				155.0	241.9	82.3%
																EX. HUSSMANN LAVF-22210, 20.94 mbh/deg td capacity, 68 circuits, 12.5 TD					
																PM TO VERIFY - NOT ON SURVEY					
C														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	1	QTY		IM-04-C12-R(DAIRY)	12' UNITIZED MULTI-DECK ISLAND	DAIRY	EX	28	16.5		6	OT/TIME			Configuration: Vertical					
		2	QTY		IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	EX	28	6.9		6	OT/TIME			Reclaim: Air, See RISD-12A					
	2	1	QTY		IM-04-C12-R(DAIRY)	12' UNITIZED MULTI-DECK ISLAND	DAIRY	NEW	28	16.5	ORIT/EVR	6	OT/TIME			Controller: Danfoss AK2-SC255 Serving units 'A', 'B', and 'C'					
		2	QTY		IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	NEW	28	6.9		6	OT/TIME			Control Voltage: 208V					
	3	15'-7"	17'-4"	9	EXIST COIL(S)	CLICKLIST COOLER	GROC.	EX	26	17.6						Control Valve Voltage: 208V					
																Compressor Voltage: 460V					
																Modify existing distributed unit electric as required to accomplish remodel					
																ZB19KCE		23	22.3	30.2	
																ZB45KCE		23	53.1	71.3	
															64.3				75.4	101.5	85.4%
CR																ZB45KCE		22	52.0	70.3	
	1	40	19	10	EXIST COIL(S)	COOLER W/ (15) DOORS	DAIRY	EX	24	54.8						ZB45KCE		22	52.0	70.3	
	2	4	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX	32	13.0		1	OT/TIME			ZB45KCE		22	52.0	70.3	
	3	2	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX	32	6.5		1	OT/TIME			ZB45KCE		22	52.0	70.3	
		2	QTY		D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX	32	4.3		1	OT/TIME								
	4	2	QTY		D5XEP-12 (GL DR)	12' FIVE DECK, (GLASS DOOR RETROFIT)	MEAT	EX	32	6.5		1	OT/TIME		106.8				208.1	281.0	51.3%
	5	4	QTY		D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	DAIRY	EX	32	8.7		1	OT/TIME								
NEW	6	4	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	NEW	32	13.0	ORIT/EVR	1	OT/TIME						TOTAL THR:	382.6	
																EX. HUSSMANN LAVF-22310, 27.58 mbh/deg td capacity, 68 circuits, 13.8 TD					
																PM TO VERIFY - NOT ON SURVEY					
D														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	1	QTY		FW(LT-E)-12	12' WIDE ISLAND, LOW TEMP	MEAT	EX	-20	6.3		1	EL/TEMP			Configuration: Vertical					
		2	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	MEAT	EX	-20	4.2		1	EL/TEMP			Reclaim: Water, See RISD-12B					
	2	1	QTY		FW(LT-E)-12	12' WIDE ISLAND, LOW TEMP	MEAT	EX	-20	6.3		1	EL/TEMP			Controller: See unit 'F'					
		2	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	MEAT	EX	-20	4.2		1	EL/TEMP			Control Voltage: 208V					
	3	1	QTY		2GR-G20010	2-DOOR REFRIGERATOR	SEAF.	EX	20	2.4		0	NONE			Control Valve Voltage: 208V					
	4	1	QTY		F1522L-1	ICE FLAKER W/ FACTORY INSTALLED EPR AND LIQUID SOLENOID	SEAF.	EX	-8	7.2		0	NONE			Compressor Voltage: 460V					
	5	2	QTY		RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW	SEAF.	EX	-11	5.7		1	EL/TEMP			Modify existing distributed unit electric as required to accomplish remodel					
	6	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	BAK	EX	-19	3.2		1	EL/TEMP								
		1	QTY		RLN(IC-E-LED2)-4	4 DOOR G.D., ICE CREAM TEMP, NARROW	BAK	EX	-19	4.3		1	EL/TEMP			ZF11K4E		-23	11.9	21.0	
																ZF18K4E		-23	20.3	34.7	
																ZF18K4E		-23	20.3	34.7	
															43.8				52.4	90.4	83.6%
DR																					
	1	688	SQ FT		EXIST COIL(S)	PREP	MEAT	EX	35	34.4						ZB45KCE		22	52.0	70.3	
	2	2	QTY		D5XEP-12 (GL DR)	12' FIVE DECK, (GLASS DOOR RETROFIT)	MEAT	EX	32	6.5		1	OT/TIME			ZB45KCE		22	52.0	70.3	
		1	QTY		D5XEP-8 (GL DR)	8' FIVE DECK, (GLASS DOOR RETROFIT)	MEAT	EX	32	2.2		1	OT/TIME			ZB45KCE		22	52.0	70.3	
	3	40	15	10	EXIST COIL(S)	COOLER	PROD.	EX	24	35.7											
	4	567	SQ FT		EXIST COIL(S)	PREP	PROD.	EX	35	19.8					98.6				156.0	156.0	63.2%
																			Total THR =	246.4	
																EX. HUSSMANN LAVF-22310, 27.58 mbh/deg td capacity, 68 circuits, 11.1 TD					
																PM TO VERIFY - NOT ON SURVEY					
E														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	4	QTY		M5XGEP(LED)-12	12' FIVE DECK, W/G	MEAT	EX	26	57.8		4	OT/TIME			Configuration: Vertical					
		1	QTY		M5XGEP(LED)-8	8' FIVE DECK, W/G	MEAT	EX	26	9.6		4	OT/TIME			Reclaim: Water, See RISD-12B					
	2	1	QTY		M5XGEP(LED)-6	6' FIVE DECK, W/G	SEAF.	EX	26	7.2		4	OT/TIME			Controller: See unit 'F'					
	3	2	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	EX	26	30.3		3	OT/TIME			Control Voltage: 208V					
	4				SPARE											Control Valve Voltage: 208V					
	5	1	QTY		D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	BEV.	EX	32	2.2		1	OT/TIME			Compressor Voltage: 460V					
		1	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	BEV.	REL.	32	3.3	ORIT/EVR	1	OT/TIME			Modify existing distributed unit electric as required to accomplish remodel					
		1	QTY		D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	BEV.	REL.	32	2.2		1	OT/TIME								
	6	2	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	EX	26	30.3		3	OT/TIME			ZB21KCE		24	27.3	36.8	
		1	QTY		D5XLEP-8	8' FIVE DECK, LOW FRONT	PROD.	EX	26	10.1		3	OT/TIME			ZB45KCE		24	54.1	72.3	
	7	18	DRS		ORBH (G.D. BEV.)	G.D. BEVERAGE (MED TEMP)	BEV.	EX	34	14.4		4	OT/TEMP			ZB45KCE		24	54.1	72.3	
	8	14	DRS		ORBH (G.D. BEV.)	G.D. BEVERAGE (MED TEMP)	BEV.	EX	34	11.2		4	OT/TEMP			ZB45KCE		24	54.1	72.3	
																ZB45KCE		24	54.1	72.3	
																ZB45KCE		24	54.1	72.3	
															178.6				297.8	398.5	60.0%
																EX. HUSSMANN LAVF-22310, 27.58 mbh/deg td capacity, 68 circuits, 13.9 TD					
																PM TO VERIFY - NOT ON SURVEY					
F														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	1	QTY		FW(MT-E)-12	12' WIDE ISLAND, MED TEMP	MEAT	EX	19	4.8		1	EL/TEMP			Configuration: Vertical					
		2	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	MEAT	EX	19	2.6		1	EL/TEMP			Reclaim: Air, See RISD-12A					
	2	37	16	10	EXIST COIL(S)	COOLER	MEAT	EX	20	33.7						Controller: Danfoss AK2-SC255 Serving units 'D', 'E', and 'F'					
	3	1	QTY		FW(MT-E)-12	12' WIDE ISLAND, MED TEMP	MEAT	EX	19	4.8		1	EL/TEMP			Control Voltage: 208V					
		2	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	MEAT	EX	19	2.6		1	EL/TEMP			Control Valve Voltage: 208V					
	4	1	QTY		2GR-G20010	2-DOOR REFRIGERATOR	SEAF.	EX	20	2.4		0	NONE			Compressor Voltage: 460V					
	5	1	QTY		DSFM-12	12' SERVICE	SEAF.	EX	24	3.6		3	OT/TIME			Modify existing distributed unit electric as required to accomplish remodel					
	6	1	QTY		ESGMS-12	12' SERVICE	MEAT	EX	22	3.2		1	OT/TIME								
	7	2	QTY		C3NBRSS59-KBL	5' SELF SERVICE	BAK.	EX	20	6.5		4	OT/TIME			ZB21KCE		17	23.8	33.3	
		5	FT		C3BRFS	SERVICE	BAK.	REL.	20	2.3	EVR	4	OT/TIME			ZB45KCE		17	47.1	65.3	
	8	1	QTY		IM-04-I12U(DAIRY)	MULTI-DECK SELF SERVICE UNITIZED ISLAND	DAIRY	REL.	28	16.5	ORIT/EVR	6	OT/TIME			ZB45KCE		17	47.1	65.3	
		2	QTY		IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	REL.	28	6.9		6	OT/TIME			ZB45KCE		17	47.1	65.3	
	9	2	QTY		ESBDS-12	12' SERVICE	DELI.	REL.	20	8.5	EVR	2	OT/TEMP			ZB45KCE		17	47.1	65.3	
	10	1	QTY		PC-6R-RP	6' SINGLE DECK	CHEES.	EX	20	3.9		4	OT/TIME								
		1	QTY		PC-90EW-RP	90 DEGREE EXTERIOR SINGLE DECK WEDGE	CHEES.	EX	20	2.6		4	OT/TIME		171.2				212.0	294.4	80.8%
		1	QTY		PC-11R-RP	11' SINGLE DECK	CHEES.	EX	20	7.2		4	OT/TIME								
		1	QTY		PF-6R-51-35	6' MULTI-DECK, 51" TALL	CHEES.	EX	22	4.4		4	OT/TIME			EX. HUSSMANN LAVF-22210, 20.94 mbh/deg td capacity, 68 circuits, 13.9 TD					
	11	1	QTY		Q3-SS-8	SELF SERVICE MULTI-DECK	DELE	EX	20	6.8		4	OT/TIME			PM TO VERIFY - NOT ON SURVEY					
	12	1	QTY		IM-04-I12U(DAIRY)	MULTI-DECK SELF SERVICE UNITIZED ISLAND	DAIRY	EX	28	16.5		6	OT/TIME								
		2	QTY		IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	EX	28	6.9		6	OT/TIME								
	13	1	QTY		PT-8R-RRS-60-SU	8' SELF SERVICE W/R.R. STOR. (SUSHI)	DELI.	REL.	24	7.0	EVR	6	OT/TIME								
	14	1	QTY		Q3-SS-8	SELF SERVICE MULTI-DECK	DELI.	REL.	20	6.8	EVR	4	OT/TIME								
NEW	15	1	QTY		IM-04-R-10 (MT)	10 FT. MULTI-DECK ISLAND	DELI.	NEW	25	8.0	EVR	6	OT/TIME								
NEW	16	1	QTY		IM-04-E4-FR	MURRAY'S 4 FT FOOD COUNTER (3 WELLS)	DELI	NEW	20	2.6	EVR	6	OT/TIME								
G														R404a		EXISTING DISTRIBUTED UNIT With Insulated Panels					
	1	10	9	10	EXIST COIL(S)	FREEZER	DELI.	EX	-22	10.3						Configuration: Vertical					
	2	2	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	REL.	-19	10.7	EVR	1	EL/TEMP			Reclaim: Air, See RISD-12A					
		1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	REL.	-19	2.1		1	EL/TEMP			Controller: Danfoss AK2-SC255					
	3	15	21	10	EXIST COIL(S)	FREEZER	BAK.	EX	-22							Control Voltage: 208V					
																Control Valve Voltage: 208V					
																Compressor Voltage: 460V					
																Modify existing distributed unit electric as required to accomplish remodel					
																ZF18K4E		-25	20.1	33.8	
																ZF18K4E		-25	20.1	33.8	
																*ZF18K4E					
															23.1				40.2	67.5	57.4%
																* VALVE OFF AND REMOVE FROM STRATEGY					
GR																ZB45KCE		20	50.0	68.2	
	1	2	QTY		Q2-SS-R-6 (DELI)	6 FT. MULTI-DECK SELF SERVICE	DELI.	NEW	22	8.9	EVR	4	OT/TIME			ZB45KCE		20	50.0	68.2	
	2	1	QTY		FL5NX-LEP-12	12' MULTI DECK, LOW FRONT, NARROW	FLOR.	EX	28	15.9		3	OT/TIME			ZB45KCE		20	50.0	68.2	
		1	QTY		FL5NX-LEP-8	8' MULTI DECK, LOW FRONT, NARROW	FLOR.	EX	28	10.6		3	OT/TIME								
	3	7	6'-6"	10	EXIST COIL(S)	COOLER	FLOR.	EX	29	5.6					103.9				150.0	204.7	69.3%
	4	3	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	BEV.	NEW	32	9.8	ORIT/EVR	1	OT/TIME								
	5	3	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	PROD.	EX	32	9.8		1	OT/TIME						TOTAL THR:	272.2	
		3	QTY		D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, (GLASS DOOR RETROFIT)	PROD.	EX	32	6.5		1	OT/TIME								
	6	1	QTY		L-11196	8' TABLE W/ REF. BASE	DELI.	REL.	26	1.7	EVR		OT			EX. HUSSMANN LAVF-22310, 27.58 mbh/deg td capacity, 68 circuits, 11.65 TD					
	7	1	QTY		L-11196	8' TABLE W/ REF. BASE	DELI.	REL.	26	1.7	EVR		OT			PM TO VERIFY - NOT ON SURVEY					
	8	1	QTY		L-11196	8' TABLE W/ REF. BASE	DELI.	REL.	26	1.7	EVR		OT								
	9	12	20	10	EXIST COIL(S)	COOLER	DELI.	EX	26	17.4											
	10	10	8	10	EXIST COIL(S)	RETARDER	BAK.	EX	26	8.1											
	11	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	BEV.	EX	32	3.3		1	OT/TIME								
	12	1	QTY		IM-04-R-4 (MT)	4 FT. MULTI-DECK ISLAND	DELI.	EX	25	3.2		6	OT/TIME								

NOTE:
THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. THE DESIGN OF THE BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, REGULATIONS, ORDINANCES AND APPROVAL OF THE INSPECTION AUTHORITIES HAVING JURISDICTION IS THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

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MINOR WITHIN THE WALLS

R-327

7805 TIMBERLAKE DRIVE
LYNCHBURG,VA

CURRENT PLAN DATE: 9/28/2021
ORIGINAL PLAN DATE: 9/28/2021
DRAWN: D. GRIESSMANN
CHECKED:
REVISIONS:
STANDARD PLOTTED SCALE: 3/32"=1'-0"

BUILDING STATS:

TOTAL SHELVING	0 LF
SALES AREA	0 SF
% OF GROSS BUILDING	0 %
BASE STORE	0 SF
MEZZANINE	0 SF
DOCK / UTILITY	0 SF

GROSS BUILDING 0 SF

REFRIGERATION EQUIP. SCHEDULE

STEEL PACKAGE ID: Not Applicable

R-327

SHEET: R6.1

CAD FILE: R327R6.1.DWG

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