

Store No.: D415 KMA: MICHIGAN					DESIGN AMBIENT: 90 VOLTAGE: 208V										BY: KDG REV. 1: KDG					DATE 7/13/23 7/5/23 7/24/23									
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												
													#/DAY	T/YPE			COMPRESSOR		HP	SUCT TEMP	CAPACITY		THR	PERCENT LOADED					
*** R1.1 MATCHES F1 - R6.1 MATCHES PM SURVEY																													
A																													
1	2	QTY			RLN(LT-E-LED)-4	4 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX		-11	7.8			1	EL/TEMP	R404A	EXISTING DISTRIBUTED UNIT Configuration: Horizontal Reclaim: Unknown Controller: CPC Einstein II Control Voltage: 208V Control Valve Voltage: 208V Compressor Voltage: 208V Modify existing distributed unit electric as required to accomplish remodel												
	1	QTY			RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX		-11	4.9			1	EL/TEMP														
2	2	QTY			RLN(LT-E-LED)-4	4 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX		-11	7.8			1	EL/TEMP														
	1	QTY			RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX		-11	4.9			1	EL/TEMP														
3	3	QTY			RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX		-11	14.6			1	EL/TEMP														
4	2	QTY			RLN(LT-E-LED)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC	EX		-11	10.9			1	EL/TEMP														
	1	QTY			RLN(LT-E-LED)-4	4 DOOR G.D., LOW TEMP, NARROW	GROC	EX		-11	4.4			1	EL/TEMP														
	1	QTY			RLN(LT-E-LED)-4	4 DOOR G.D., LOW TEMP, NARROW	GROC	NEW		-11	4.4			1	EL/TEMP														
																		CONDENSING TEMP: 103°											
																		ZF15K4E				21.3		33.6					
																		ZF18K4E				25.6		40.2					
																		ZF18K4E				25.6		40.2					
																		59.4				72.5		114.1		82.0%			
AR																													
																		CONDENSING TEMP: 103°											
1	3	QTY			RLN(IC-E-LED)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC	EX		-19	7.0			1	EL/TEMP			5	-25	16.5	28.1								
2	3	QTY			RLN(IC-E-LED)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW, BACK-TO-BACK	GROC	EX		-19	15.5			1	EL/TEMP			6	-25	20.0	33.7								
3	209	SQ FT	10		EXIST COIL(S)	FREEZER	GROC	EX		-22	18.6							6	-25	20.0	33.7								
4	12	FT			LNHG(LT)	ISLAND W/GL. (LOW TEMP)	SEAF	EX		-20	5.6			1	EL/TEMP					56.4	95.6								
5	2	QTY			RLN(IC-E-LED)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC	EX		-19	4.6			1	EL/TEMP						90.9%								
																						TOTAL THR:		209.7					
EX HUSSMANN LCVN-3410, 16.22 mbh/deg td capacity, /34 circuits, TD Setpoint																													
B																													
1	3	QTY			D5NLE-8	8' FIVE DECK, LOW FRONT	BEV	REL.		24	36.6			4	OT/TEMP	R404A	EXISTING DISTRIBUTED UNIT Configuration: Horizontal Reclaim: Unknown Controller: CPC Einstein II Control Voltage: 208V Control Valve Voltage: 208V Compressor Voltage: 208V Modify existing distributed unit electric as required to accomplish remodel												
2	24	FT			M5OE	FIVE DECK	MEAT	EX		21	31.7			4	OT/TEMP														
3	1	QTY			ESGMS-8	8' SERVICE	MEAT	EX		22	2.2			1	OT/TIME														
4	381	SQ FT	10		EXIST COIL(S)	COOLER	MEAT	EX		20	23.2																		
5	8	FT			C2XLGE	MULTI-DECK LOW PROFILE	SEAF	EX		21	8.8			4	OT/TEMP														
	4	FT			C2XLGE	MULTI-DECK LOW PROFILE	SEAF	EX		21	4.4			4	OT/TEMP														
	2	QTY			M5XGEP(LED)-8	8' FIVE DECK, W/G	SEAF	EX		26	19.3			4	OT/TIME														
6	2	QTY			D5LE-8	8' FIVE DECK, LOW FRONT	BEV	EX		24	22.7			4	OT/TEMP														
7	24	FT			P4EP	FOUR DECK	PROD	EX		26	31.6			4	OT/TIME														
8	1	QTY			ID5NL-6	6' MULTI DECK, LOW FRONT, NARROW	FLOR	NEW		28	6.4			4	OT/TIME														
																		CONDENSING TEMP: 105°											
																		ZS45K4E		18		49.0		67.3					
																		ZS45K4E		18		49.0		67.3					
																		ZS45K4E		18		49.0		67.3					
																		ZS45K4E		18		49.0		67.3					
																		186.8				195.9		269.3		95.4%			
BR																													
1	305	SQ FT			EXIST COIL(S)	PREP	MEAT	EX		35	15.3						ZS15K4E		33	22.5	30.3								
2	458	SQ FT			EXIST COIL(S)	PREP	PROD	EX		35	16.0						ZS21K4E		33	30.7	40.3								
3					ABANDON															53.2	70.6								
																						TOTAL THR:		340.0		58.7%			
EX HUSSMANN LCVR-4410, 21.74 mbh/deg td capacity, /68 circuits, TD Setpoint																													
C																													
1	985	SQ FT	10		EXIST COIL(S)	COOLER W/ (18) DOORS	DAIRY	EX		24	71.2					R404A	EXISTING DISTRIBUTED UNIT Configuration: Horizontal Reclaim: Water Controller: CPC Einstein II Control Voltage: 208V Control Valve Voltage: 208V Compressor Voltage: 208V Modify existing distributed unit electric as required to accomplish remodel												
2	3	QTY			D5E-12	12' FIVE DECK,	MEAT	EX		24	51.2			4	OT/TEMP														
3	3	QTY			D5LE-12	12' FIVE DECK, LOW FRONT	DAIRY	EX		24	51.2			4	OT/TEMP														
4	1	QTY			D5LE-12	12' FIVE DECK, LOW FRONT	DAIRY	EX		24	17.1			4	OT/TEMP														
	2	QTY			D5LE-8	8' FIVE DECK, LOW FRONT	DAIRY	EX		24	22.7			4	OT/TEMP														
5	2	QTY			IDD5SL-12	12' FIVE DECK WITH DOORS	DAIRY	NEW		33	4.7		ORIT/EVR	1	OT/TIME														
	1	QTY			IDD5SL-8	8' FIVE DECK WITH DOORS	DAIRY	NEW		33	1.6			1	OT/TIME														
																		CONDENSING TEMP: 105°											
																		ZS38K4E		22		44.3		60.0					
																		ZS45K4E		22		53.0		71.8					
																		ZS45K4E		22		53.0		71.8					
																		ZS45K4E		22		53.0		71.8					
																		ZS45K4E		22		53.0		71.8					
																		ZS45K4E		22		53.0		71.8					
																		219.5				309.1		419.2		71.0%			
EX HUSSMANN LCVR-6310, 27.96 mbh/deg td capacity, /68 circuits, TD Setpoint																													
D																													
1	5	FT			C3BFSS	SELF SERVICE FROZEN	BAK.	EX		-20	3.3			2	EL/TIME	R404A	EXISTING DISTRIBUTED UNIT Configuration: Vertical Reclaim: Unknown Controller: CPC Einstein II Control Voltage: 208V Control Valve Voltage: 208V Compressor Voltage: 208V Modify existing distributed unit electric as required to accomplish remodel												
2					SPARE																								
3	9	7	10		EXIST COIL(S)	FREEZER	SEAF.	EX		-20	8.2																		
4	12	8	10		EXIST COIL(S)	FREEZER	BAK.	EX		-22	10.9																		
																		CONDENSING TEMP: 105°											
																		ZF18K4E				19.7		33.7					
																		ZF18K4E				19.7		33.7					
																		22.4				39.3		67.4		56.8%			
DR																													
1	14	28	10		EXIST COIL(S)	COOLER	PROD	EX		24	25.2					R404a	CONDENSING TEMP: 105° ZS45K4E ZS45K4E ZS45K4E ZS45K4E				16	47.1	65.2						
2	12	8	10		EXIST COIL(S)	COOLER	DELI	EX		26	9.2										16	47.1	65.2						
3	2	QTY			D5LEP-12	12' FIVE DECK, LOW FRONT	PROD	EX		26	30.8			2	OT/TIME						16	47.1	65.2						
4	1	QTY			IM-04-C12-R(DAIRY)	12' UNITIZED MULTI-DECK ISLAND	DAIRY	REL.		28	16.5		ORIT/EVR	6	OT/TIME						16	47.1	65.2						
	2	QTY			IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	REL.		28	6.9			6	OT/TIME						16	47.1	65.2						
5	6	FT			MTE	SINGLE DECK	MEAT	EX		18	3.3			4	OT/TEMP														
6	6	FT			PTD(H/C)	HOT/COLD CMB	DELI	EX		18	5.7			6	OT/TIME														
7	3	QTY			SD-8R-HP	8' SERVICE/SELF SERVICE, SUPERDOME	DELI	EX		26	23.7			4	OT/TEMP														
8	15	FT			C3BRSS	SELF SERVICE	BAK.	EX		20	9.8			4	OT/TIME														
																						TOTAL THR:		328.1					
EX HUSSMANN LAVF-13408 (UNIT NOT IN OUR TOOLS)																													
SYS		L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	CON- TROL	DEFROST		REFRIG	TOTAL LOAD	CONDENSING UNIT INFORMATION							RECLAIM CIRCUIT					
													#/DAY	T/YPE			COND UNIT MODEL	COMP BODY	HP	SUCT TEMP	CAPACITY		PERCENT LOADED						
N1		3	QTY		D5LE-12	12' FIVE DECK, LOW FRONT	PROD	EX		24	54.4			4	OT/TEMP	R404a	54.4	HICA0494PS	2DD		22	53.5	101.7%						
PM TO CONFIRM OPERATION																													

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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