Store No.: L407
KMA: MVD-SOUTH

DESIGN AMBIENT: 95
VOLTAGE: 460

ALTITUDE: 909

BY: Maria Brinck
REV. 1: E SEARS

DATE: 6/12/17
REV. 1: 12/20/17

FY DATE: 6/13/17
12/16/17

RACK	CKT	L	W	H	CASE/COOL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	SUCTION CONTROL	DEFROST #DAYS	DEFROST TYPE	REFRIG	TOTAL LOAD	PARALLEL RACK INFORMATION COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
A															R404A		EXISTING PARALLEL RACK					
	1	3	QTY		RLNJ(C-E-L)52J-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	16.0	EVR	1	ELI/TEMP			Reclaim: Air					
		1	QTY		RLNJ(C-E-L)52J-4	4 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	4.3		1	ELI/TEMP			Controller: CPC Einstein II RX-400 Serking Racks A & B					
	2	2	QTY		RLNJ(C-E-L)52J-3	3 DOOR G.D., ICE CREAM TEMP, NARROW (Converted from LT)	GROC.	REL.		-19	11.8	EVR	1	ELI/TEMP			Control Voltage: 208V					
		1	QTY		RLNJ(C-E-L)52J-4	4 DOOR G.D., ICE CREAM TEMP, NARROW (Converted from LT)	GROC.	REL.		-19	4.7		1	ELI/TEMP			Compressor Voltage: 460V					
		2	QTY		RLNJ(C-E-L)52J-3	3 DOOR G.D., ICE CREAM TEMP, NARROW (Converted from LT)	GROC.	REL.		-19	7.9		1	ELI/TEMP			Modify existing parallel rack electric as required to accomplish remodel					
	3	7	QTY		RLNJ(C-E-L)52J-2	2 DOOR G.D., ICE CREAM TEMP, NARROW (Converted from LT)	GROC.	REL.		-19	4.7		1	ELI/TEMP								
		1	QTY		RLNJ(C-E-L)52J-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX.		-19	16.3	EVR	1	ELI/TEMP			2DL520K	-23	21.1	34.5		
		1	QTY		RLNJ(C-E-L)52J-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	REL.		-19	2.3		1	ELI/TEMP			5DP140K	-23	42.6	69.3		
		1	QTY		RLNJ(C-E-L)52J-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1		1	ELI/TEMP			3DF140K	-23	42.6	69.3		
	4	1	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	MEAT	EX.		-20	2.1	EVR	1	ELI/TEMP								
		1	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	MEAT	REL.		-20	2.1		1	ELI/TEMP	66.7				100.3	173.0	91.6%
		1	QTY		FWL(LT)-12	12' WIDE ISLAND, LOW TEMP	MEAT	EX		-20	6.3		1	ELI/TEMP								
		1	QTY		FWL(T-E)-6	6' WIDE ISLAND, LOW TEMP	MEAT	NEW		-20	4.0		1	ELI/TEMP								
AR																						
	1	1	QTY		RLN(LT-E-L)52J-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	4.6		1	ELI/TEMP								
		3	QTY		RLN(LT-E-L)ED1-4	4 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	11.6		1	ELI/TEMP			3DS090K	-14	44.8	66.3		
		2	QTY		RLN(LT-E-L)52J-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	5.8		1	ELI/TEMP			4DP140K	-14	63.1	109.5		
	2	4	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	19.4		1	ELI/TEMP			4DP180K	-14	83.1	129.3		
		1	QTY		RLN(LT-E-L)52J-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	1.8		1	ELI/TEMP	177.8				210.5	326.2	64.3%
	3	4	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	19.4		1	ELI/TEMP								
		1	QTY		RLN(LT-E-L)52J-2	2 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	1.8		1	ELI/TEMP								
	4	4	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	19.4		1	ELI/TEMP								
		1	QTY		RLN(LT-E-L)52J-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	2.9		1	ELI/TEMP			A-4-6R			504.2		
	5	4	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	19.4		1	ELI/TEMP								
		1	QTY		RLN(LT-E-L)52J-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	2.9		1	ELI/TEMP			EXISTING 460V Air Cooled Condenser					
	6	2	QTY		RLN(LT-E-L)ED1-3	3 DOOR G.D., LOW TEMP, NARROW (Convert from IC Temp)	GROC	EX.		-11	9.6	EVR	1	ELI/TEMP			HUSSMANN LAVF-23410, 51.28 mbh/deg sd capacity, 68 circuits, 15.0 TD Setpoint					
		2	QTY		RLN(LT-E-L)ED1-4	4 DOOR G.D., LOW TEMP, NARROW (Convert from IC Temp)	GROC	EX.		-11	7.6		1	ELI/TEMP								
		1	QTY		RLN(LT-E-L)ED1-3	3 DOOR G.D., LOW TEMP, NARROW (Convert from IC Temp)	GROC	EX.		-11	2.9		1	ELI/TEMP								
		1	QTY		RLN(LT-E-L)52J-2	2 DOOR G.D., LOW TEMP, NARROW (Convert from IC Temp)	GROC	EX.		-11	1.9		1	ELI/TEMP								
	7	2	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	DAIRY	EX.		19	2.6		1	ELI/TEMP								
		1	QTY		FWL(MT-E)-12	12' WIDE ISLAND, MED TEMP	DAIRY	EX.		19	4.8		1	ELI/TEMP								
		1	QTY		FWE(MT-E)-8	8' WIDE ISLAND, MED TEMP	DAIRY	EX.		19	3.1		1	ELI/TEMP								
		2	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	MEAT	EX.		19	2.6		1	ELI/TEMP								
		1	QTY		FWL(MT-E)-12	12' WIDE ISLAND, MED TEMP	MEAT	EX.		19	4.8		1	ELI/TEMP								
	8	2	QTY		**FWE(MT-E)**	**WIDE ISLAND END , MED TEMP**	**DAIRY**	**NEW**		**19**	**2.6**	**(SIGRIT**	**1**	**ELI/TEMP**								
		1	QTY		**FW(MT)-E)-8**	**8' WIDE ISLAND, MED TEMP**	**DAIRY**	**NEW**		**19**	**3.1**		**1**	**ELI/TEMP**								
NEW	9	1	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	4.9	EVR	1	ELI/TEMP								
		3	QTY		RLN(LT-E-L)ED1-4	4 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	11.6		1	ELI/TEMP								
		2	QTY		RLN(LT-E-L)ED1-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC	EX.		-11	8.6		1	ELI/TEMP								
B															R404A		EXISTING PARALLEL RACK					
	1	3	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DAIRY	EX.		26	16.3	EVR	3	OTT/TIME			Reclaim: Air					
		1	QTY		**DSKLEP-12**	**12' FIVE DECK, LOW FRONT**	**DAIRY**	**REL.**		**26**	**5.4**		**3**	**OTT/TIME**			Controller: SEE RACK A					
	2	3	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DAIRY	EX.		26	16.3		3	OTT/TIME			Control Voltage: 208V					
	3	965	SQ-FT	10	EWET CDKL(S)	CRACKER W/ LYSL DOORS	DAIRY	EX.		26	69.0		3	OTT/TIME			Compressor Voltage: 460V					
	4	3	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DAIRY	EX.		26	16.3		3	OTT/TIME								
		2	QTY		DSKLEP-8	8' FIVE DECK, LOW FRONT	DAIRY	EX.		26	10.9		3	OTT/TIME								
	5	2	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DELI	EX.		26	30.2		3	OTT/TIME								
	6	3	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DELI	EX.		26	30.2		3	OTT/TIME								
		1	QTY		DSKLEP-8	8' FIVE DECK, LOW FRONT	DELI	EX.		26	7.6		3	OTT/TIME								
	7	4	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DELI	EX.		26	40.6	EVR	3	OTT/TIME								
		1	**QTY**		**DSKLEP-8**	**8' FIVE DECK, LOW FRONT**	**DELI**	**NEW**		**26**	**7.6**		**3**	**OTT/TIME**								
	8	2	QTY		DSKLEP-12	12' FIVE DECK, LOW FRONT	DAIRY	EX.		26	16.3		4	OTT/TIME								
		3	QTY		DSKLEP-8	8' FIVE DECK, ULTRA LOW FRONT	DAIRY	EX.		26	34.9		4	OTT/TIME	551.1		2DL520K	24	69.4	89.4		
	9	2	QTY		MSKDEP(LED)-12	12' FIVE DECK, WIG	MEAT	EX.		26	28.9		4	OTT/TIME			3DE511M	24	126.8	172.4		
	10	2	QTY		MSKDEP(LED)-12	12' FIVE DECK, WIG	MEAT	EX.		26	28.9		4	OTT/TIME			3DF511M	24	126.8	172.4		
		1	QTY		MSNDEP(LED)-8	8' FIVE DECK, WIG	MEAT	EX.		26	9.6		4	OTT/TIME			3DP511M	24	126.8	172.4		
	11	700	SQ-FT	15	EWET CDKL(S)	COOLER	FROZ	EX.		26	72.8		4	OTT/TIME								
	* 12	2	QTY		**DDSXLP-12**	**12' FIVE DECK WITH DOORS**	**DAIRY**	**NEW**		**32**	**6.5**	**CRIT/EVR**	**1**	**OTT/TIME**								
		1	QTY		**DDXSLP-4**	**4' FIVE DECK WITH DOORS**	**DAIRY**	**NEW**		**32**	**1.6**		**1**	**OTT/TIME**								
	* 13	3	QTY		**DDXSLP-12**	**12' FIVE DECK WITH DOORS**	**DAIRY**	**NEW**		**32**	**9.8**	**CRIT/EVR**	**1**	**OTT/TIME**								
		(*) CREATE NEW LOOP FROM EXISTING SPARE CIRCUIT																				

UNIT	CKT	L	W	H	CASE/COOL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	SUCTION CONTROL	DEFROST #DAYS	DEFROST TYPE	REFRIG	TOTAL LOAD	DISTRIBUTED UNIT INFORMATION COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
1															R404A		EXISTING DISTRIBUTED UNIT					
	1	QTY			FWE(MT-E)	WIDE ISLAND END , MED TEMP	MEAT	EX.		19	1.3	EVR	1	ELI/TEMP			Configuration: Vertical					
	1	QTY			FWE(MT-E)	WIDE ISLAND END , MED TEMP	MEAT	REL.		19	1.3		1	ELI/TEMP			Reclaim: Air					
	1	QTY			FW(MT-E)-12	12' WIDE ISLAND, MED TEMP	MEAT	EX.		19	4.8		1	ELI/TEMP			Controller: CPC Einstein II RX-400					
**	1	QTY			FW(MT-E)-6	6' WIDE ISLAND, MED TEMP	MEAT	NEW		19	3.1		1	ELI/TEMP			Control Voltage: 208V					
	1	QTY			QLHS-12 (GRAY)	SERVICE SINGLE-DECK SERPENTINE COIL (NO SHELF)	MEAT	EX.		28	1.4	SC BY OEM	1	OTT/TIME			Compressor Voltage: 460V					
	1	QTY			QLHS-12 (GRAY)	SERVICE SINGLE-DECK GRAVITY COIL (NO SHELF)	MEAT	NEW		28	1.2	SC BY OEM	1	OTT/TIME								
	1	QTY			QLHS-8 (GRAY)	SERVICE SINGLE-DECK GRAVITY COIL (NO SHELF)	MEAT	NEW		28	0.8	SC BY OEM	1	OTT/TIME								
	1	QTY			QLHS-8 (SERP)	SERVICE SINGLE-DECK SERPENTINE COIL (NO SHELF)	MEAT	NEW		28	1.2	SC BY OEM	1	OTT/TIME								
2	1	QTY			2-2070R	3-DOOR REFRIGERATOR	SEAF.	REL.		20	3.9	EXISTING	3	OTT/TIME								
	4	2	QTY		DSFM-8	8' SERVICE	SEAF.	NEW		24	4.6	EVR	3	OTT/TIME								
	5	700	SQ-FT	15	EWET CDKL(S)	COOLER	MEAT	EX.		26	36.5											
	6	4	QTY		**DLF-995R**	**SELF SERVICE**	**BAK.**	**NEW**		**20**	**22.9**	**EVR**	**4**	**OTT/TIME**		89.7				96.3	139.9	68.9%
	(*) OEM to supply (1) QNIT-E-EPR for System 1-2																					
1R																						
	1	1	QTY		DSKEP-8	8' FIVE DECK	DELI	EX.		26	9.7		3	OTT/TIME								
	2	2	QTY		DSKEP-12	12' FIVE DECK	DELI	EX.		26	29.0		3	OTT/TIME								
	3	1	QTY		MSKDEP(LED)-8	8' FIVE DECK, WIG	MEAT	EX.		26	7.2		4	OTT/TIME								
	4	642	SQ-FT		EWET CDKL(S)	FWKP	MEAT	EX.		25	42.2					99.1				127.3	179.4	70.9%
	5	9	9	10	EWET CDKL(S)	REFRIGERATOR	BAK.	EX.		26	8.1											
																				1+1R	310.3	
																	EXISTING 460V Air Cooled Condenser					
																	HUSSMANN LAVF-22210, 20.77 mbh/deg sd capacity, 68 circuits, 15.0 TD Setpoint					
2															R404A		EXISTING DISTRIBUTED UNIT					
	1	1	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	SEAF.	REL.		-20	2.1	EVR	1	ELI/TEMP			Configuration: Vertical					
		1	QTY		FWE(LT-E)	WIDE ISLAND END , LOW TEMP	SEAF.	NEW		-20	2.1		1	ELI/TEMP			Reclaim: Air					
		1	QTY		FW-(LE-T-E)-8(12)	8' WIDE ISLAND W/ LIDS, LOW TEMP	SEAF.	NEW		-18	1.9		1	ELI/TEMP			Controller: CPC Einstein II RX-400					
		1	QTY		FWE(LT-E)-8(12)	(12)- 8' WIDE ISLAND, LOW TEMP	SEAF.	NEW		-20	3.5		1	ELI/TEMP			Control Voltage: 208V					
2		1	QTY		FWE-2020E-S	ICE MAKER	SEAF.	EX.									Compressor Voltage: 460V					
3		1	QTY		XGR-G2H011	3-DOOR FREEZER	SEAF.	NEW		-20	4.7	SC BY OEM	0	NONE			Modify existing distributed unit electric as required to accomplish remodel					
4		1	QTY		RLN(LT-E-L)ED1-5	5 DOOR G.D., LOW TEMP, NARROW	BAK.	EX.		-11	5.5		1	ELI/TEMP								
5		1	QTY		4LNJ(C-E-L)ED1-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	BAK.	EX.		-19	5.9		1	ELI/TEMP								
6		705	SQ-FT	10	EWET CDKL(S)	SWEEDISH	GROC.	EX.		-22	46.9											
3															R404A		EXISTING DISTRIBUTED UNIT					
	1	24	15	10	EWET CDKL(S)	FREEZER	BAK.	EX.		-22	7.1						Configuration: Vertical					
	1	1	QTY		RBC(10)	BLAST CHILLER	DELI	EX.		-10	11.0						Reclaim: Air					
	8	12	9	10	EWET CDKL(S)	FREEZER	DELI	EX.		-29	11.1						Controller: CPC Einstein II RX-300					
																	Control Voltage: 208V					
																	Compressor Voltage: 460V					
																	Modify existing distributed unit electric as required to accomplish remodel					
																		ZF09K4E	-25	9.0	16.2	
																		ZF16K4E	-25	16.2	28.1	
																		ZF09K4E	-25	19.7	33.7	
																		ZF16K4E	-25	19.7	33.7	
																		ZF16K4E	-25	19.7	33.7	
																		ZF16K4E	-25	19.7	33.7	
																88.7				84.0	162.8	80.4%
																	EXISTING 460V Air Cooled Condenser					
																	HUSSMANN LAVF-22005, 18.55 mbh/deg sd capacity, 68 circuits, 10.0 TD Setpoint					
4															R404A		EXISTING DISTRIBUTED UNIT					
	1	557	SQ-FT	10	EWET CDKL(S)	COOLER	MEAT	EX.		24	36.5						Configuration: Vertical					
	2	551	SQ-FT		EWET CDKL(S)	FWKP	DELI	EX.		30	35.5						Reclaim: Air					
	3	1	QTY		ESKLEP-12	12' SERVICE	DELI	EX.		30	4.3	EVR	2	OTT/TIME			Controller: CPC Einstein II RX-400					
		1	QTY		ESKLEP-8	8' SERVICE	DELI	NEW		29	4.3		2	OTT/TIME			Control Voltage: 208V					
	4	1	QTY		DLF-995R	10' SERVICE	CHEESE	NEW		26	6.4	EVR	6	OTT/TIME			Compressor Voltage: 460V					
		1	QTY		DLF-995R	90 DEGREE SERVICE CASE WEDGE	CHEESE	NEW		26	2.6		6	OTT/TIME								
		1	QTY		DLF-995R	6' SELF SERVICE	CHEESE	NEW		26	3.9		6	OTT/TIME								
	5	1	QTY		QLHS-8	SELF SERVICE MULTI-DECK	DELI	NEW		20	6.4	EVR	4	OTT/TIME								
	6	1	QTY		QLHS-8 (BOWLS & WIRE)	SELF SERVICE MULTI-DECK SERVICE	DELI	NEW		25	1.0	EVR	4	OTT/TIME								
	7	1	QTY		QLHS-12	SELF SERVICE MULTI-DECK	DELI	NEW		20	10.2	EVR	4	OTT/TIME								
	8	1	QTY		DKEP-12	12' FIVE DECK	DELI	EX.		26	29.0		3	OTT/TIME								
		1	QTY		DSKEP-8	8' FIVE DECK	DELI	EX.		26	9.7		3	OTT/TIME								
		1	QTY		KRO-16(1/4)	(1/4) 16' SERVICE CANDY BAR	PROD.	NEW		25	10.4	EVR	8	OTT/TIME								
		1	QTY		KRO-16-E	16' SALAD BAR SERVICE END CAP	PROD.	NEW		25	2.9		8	OTT/TIME								
	10	1	QTY		QLHS-8	SELF SERVICE MULTI-DECK	DELI	NEW		20	3.4	EVR	4	OTT/TIME								