

Store No.: N856					DESIGN AMBIENT: 90					ALTITUDE: 800					DATE					F1 DATE							
KMA: COLUMBUS					VOLTAGE: 460										BY: B. AUGUSTUS					8/10/23	6/29/23						
RACK	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST		REFRIG	TOTAL LOAD	PARALLEL RACK INFORMATION											
												#/DAY	TYPE			COMPRESSOR		HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED					
RACK 'A' LOOP 1	1	20	DRS		RLN(IC)	G.D.(ICE CREAM)	GROC.	EX	-19	27.4		1	EL/TEMP	R404A	179.7	EXISTING PARALLEL RACK											
	2	21	DRS		RLN(IC)	G.D.(ICE CREAM)	GROC.	EX	-19	28.8		1	EL/TEMP			Reclaim: Air											
	3	2	DRS		RLN(IC)	G.D.(ICE CREAM)	GROC.	EX	-19	2.7		1	EL/TEMP			Controller: CPC Einstein II RX-300											
	4	2	DRS		RLN(IC)	G.D.(ICE CREAM)	GROC.	EX	-19	2.7		1	EL/TEMP			Control Voltage: Unknown											
	5	3	DRS		RLN(IC)	G.D.(ICE CREAM)	GROC.	EX	-19	4.1		1	EL/TEMP			Control Valve Voltage: Unknown											
	3	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	BAK.	EX	-19	2.1		1	EL/TEMP			Compressor Voltage: UNKNOWN											
	7	42	16	10	EXISTING COIL(S)	FREEZER	GROC.	EX	-22	46.1																	
	8	2	QTY		LWEGH(LT)	WIDE ISLE END W/GL. (L.T.)	MEAT.	EX	-20	4.7		1	EL/TEMP														
	12		FT		LWGH(LT)	WIDE ISLE W/GL. (L.T.)	MEAT.	EX	-20	9.3		1	EL/TEMP														
	9	2	QTY		LWEGH(LT)	WIDE ISLE END W/GL. (L.T.)	SEAF.	EX	-20	4.7		1	EL/TEMP														
	8		FT		LWGH(LT)	WIDE ISLE W/GL. (L.T.)	SEAF.	EX	-20	6.2		1	EL/TEMP														
	10	1	QTY		RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW	MEAT	NEW	-11	2.9	ORIT/EVR	1	EL/TEMP														
	2	QTY			RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW	SEAF.	NEW	-11	5.7		1	EL/TEMP														
	11	1	QTY		2GR-G22010	2-DOOR FREEZER	SEAF.	EX	-20	3.1		0	NONE			3DB (EXISTING)		7.5	-25	34.6	55.8						
12	10	24	10	EXISTING COIL(S)	FREEZER	BAK.	EX	-22	23.9				4DL (EXISTING)		15	-25	66.1	105.9									
13				SPARE									4DL (EXISTING)		15	-25	66.1	105.9									
14	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	2.1		1	EL/TEMP	4DL (EXISTING)		15	-25	66.1	105.9									
	1	QTY		RLN(IC-E-LED2)-3	3 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	EX	-19	3.2		1	EL/TEMP															
LOOP 2					SPARE															232.8					373.6	77.2%	
RACK 'AR' LOOP 1	1	15	DRS		RLN(LT)	G.D.(LOW TEMP), BACK-TO-BACK	GROC.	EX	-11	17.7		1	EL/TEMP	141.7		2DL (EXISTING)		4	-14	28.8	43.8						
	2	16	DRS		RLN(LT)	G.D.(LOW TEMP), BACK-TO-BACK	GROC.	EX	-11	18.9		1	EL/TEMP			3DS (EXISTING)		10	-14	64.0	97.4						
	3	15	DRS		RLN(LT)	G.D.(LOW TEMP), BACK-TO-BACK	GROC.	EX	-11	17.7		1	EL/TEMP			3DS (EXISTING)		10	-14	64.0	97.4						
	4	16	DRS		RLN(LT)	G.D.(LOW TEMP), BACK-TO-BACK	GROC.	EX	-11	18.9		1	EL/TEMP														
	5	15	DRS		RLN(LT)	G.D.(LOW TEMP)	GROC.	EX	-11	19.5		1	EL/TEMP														
	6	3	DRS		RLN(LT)	G.D.(LOW TEMP)	MEAT.	EX	-11	3.9		1	EL/TEMP														
	7	19	DRS		RLN(LT)	G.D.(LOW TEMP)	GROC.	EX	-11	24.7		1	EL/TEMP														
	8	2	QTY		RLN(LT-E-LED)-3	3 DOOR G.D., LOW TEMP, NARROW	GROC.	EX	-11	6.5	EVR	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														
	2	QTY			RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW	-11	9.6		1	EL/TEMP														
	LOOP 2					SPARE																					
	RACK 'B' LOOP 1	1				SPARE											R404A	125.6	EXISTING PARALLEL RACK								
		2	1	QTY		IM-04-C12-R(DAIRY)	12' UNITIZED MULTI-DECK ISLAND	DAIRY	EX	28	16.5		6			OT/TIME			Reclaim: Water								
2		QTY			IM-04-E5(DAIRY)	MULTI-DECK SELF SERVICE END	DAIRY	EX	28	6.9		6	OT/TIME	Controller: CPC Einstein II RX-400													
3		2	QTY		LWEGH(MT)	WIDE ISLE END W/GL. (M.T.)	MEAT.	EX	21	4.0		1	EL/TEMP	Control Voltage: Unknown													
12			FT		LWGH(MT)	WIDE ISLE W/GL. (M.T.)	MEAT.	EX	21	7.9		1	EL/TEMP	Control Valve Voltage: Unknown													
4		2	QTY		ID05SL-12	12' FIVE DECK WITH DOORS	DAIRY	NEW	33	4.7	ORIT/EVR	1	OT/TIME	Compressor Voltage: Unknown													
5		13	31	10	EXISTING COIL(S)	COOLER	MEAT	EX	20	25.3				Modify existing parallel rack electric as required to accomplish remodel													
6		1	QTY		FWG(MT-E)-12	12' WIDE ISLAND, MED TEMP, W/G	MEAT	EX	19	5.1		1	EL/TEMP														
2		QTY			FWEG(MT)	WIDE ISLE END W/GL. (M.T.)	MEAT.	EX	19	3.2		1	EL/TEMP														
7		1	QTY		IMSSL-8	8' FIVE DECK	SEAF.	NEW	27	8.4	ORIT/EVR	4	OT/TIME	2DC (EXISTING)		5			17	38.0	52.0						
8		1	QTY		2-2045R	2-DOOR REFRIGERATOR	SEAF.	EX	20	2.6				*3DA (EXISTING)		7.5			17	76.6	104.5						
9		1	QTY		Q3-SS-8	SELF SERVICE MULTI-DECK	DELI.	NEW	20	6.8		4	OT/TIME	3DS (EXISTING)		15			17	125.6	172.6						
10		1	QTY		PT-6R-RRS-56-SU	6' SELF SERVICE W/R.R. STOR. (SUSHI)	SUSHI	REL.	20	6.9	EVR	4	OT/TIME							240.2	329.0	52.3%					
11		1	QTY		ESBDS-12	12' SERVICE	DELI.	NEW	20	4.3	EVR	2	OT/TEMP	EXISTING Air Cooled Condenser:													
12	2	QTY		BLF-59SR	SELF SERVICE	BAK.	REL.	20	11.3		4	OT/TIME	HUSSMANN LAVF-22210, 20.94 mbh/deg td capacity, 34 circuits, 15.8 TD														
13	1	QTY		D5NXLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, NARROW, (GLASS DOOR RETR)	BEV.	REL.	32	3.3	ORIT/EVR	1	OT/TIME															
1	QTY			D5NXLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, NARROW, (GLASS DOOR RETR)	BEV.	REL.	32	2.2		1	OT/TIME	RAISE SUCT TEMP TO 17 DEG														
14	8	8	9	ACM076S	COOLER	FLO.	EX	29	6.5				*New Danfoss FC103 VFD Base Drive, NEMA 1, 460V, 25HP, 34A (VT)														
																Model Numer-134G0934											
																ePro Number - K-0060202											
RACK 'C' LOOP 1	1	1093	SQ FT	10	EXIST COIL(S)	COOLER W/ (18) DOORS	DAIRY	EX	26	81.2				R404A	462.4	EXISTING PARALLEL RACK											
	2	20	FT		D5LEP	MULTI-DECK	BEV.	EX	26	27.7		2	OT/TIME			Reclaim: Air											
	3	32	FT		D5LEP	MULTI-DECK	BEV.	EX	26	44.3		2	OT/TIME			Controller: Unknown											
	4	1	QTY		D5LEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, GL DR RETROFIT	DAIRY	EX	32	3.1		1	OT/TIME			Control Voltage: Unknown											
	5	2	QTY		D5LEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, GL DR RETROFIT	DAIRY	EX	32	4.1		1	OT/TIME			Control Valve Voltage: Unknown											
	3	QTY			D5LEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, GL DR RETROFIT	DAIRY	EX	32	9.3		1	OT/TIME			Compressor Voltage: Unknown											
	4	QTY			D5XEP-12 (GL DR)	12' FIVE DECK, GL DR RETROFIT	MEAT.	EX	32	13.0		1	OT/TIME			Modify existing parallel rack electric as required to accomplish remodel											
	7	2	QTY		D5NXLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, NARROW, GL DR RETROFIT	DAIRY	EX	32	6.5		1	OT/TIME														
	1	QTY			D5NXLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, NARROW, GL DR RETROFIT	DAIRY	EX	32	2.2		1	OT/TIME														
	8	3	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, GL DR RETROFIT	DAIRY	EX	32	9.8		1	OT/TIME			2DA (EXISTING)		7.5	24	77.1	101.5						
	9	3	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	BEV.	EX	26	45.5		3	OT/TIME			4DA (EXISTING)		20	24	157.6	208.1						
																	4DA (EXISTING)		20	24	157.6	208.1					
																	4DA (EXISTING)		20	24	157.6	208.1					
																	4DA										
LOOP 2					SPARE															549.8					726.0	84.1%	
RACK 'C' LOOP 1	1	1	QTY		D5XEP-8 (GL DR)	8' FIVE DECK, GL DR RETROFIT	DELI.	EX	32	2.2		1	OT/TIME	R404A	468.168	EXISTING PARALLEL RACK											
	2	192	SQ FT	10	EXISTING COIL(S)	COOLER	DELI.	EX	26	15.1						Reclaim: Air											
	3	16	FT		FL5NXLEP	MULTI-DECK	FLO.	EX	28	23.2		3	OT/TIME			Controller: Unknown											
	4	48	FT		M5GEP	FIVE DECK	MEAT.	EX	26	60.5		4	OT/TIME			Control Voltage: Unknown											
	5	455	SQ FT		EXISTING COIL(S)	PREP	MEAT	EX	35	22.8						Control Valve Voltage: Unknown											
	6	14	30	10	EXISTING COIL(S)	COOLER	PROD.	EX	26	26.7						Compressor Voltage: Unknown											
	7	495	SQ FT		EXISTING COIL(S)	PREP	PROD.	EX	35	17.3						Modify existing parallel rack electric as required to accomplish remodel											
	8B	2	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	EX	26	30.3		3	OT/TIME														
	1	QTY			D5XLEP-8	8' FIVE DECK, LOW FRONT	PROD.	EX	26	10.1		3	OT/TIME			EXISTING Air Cooled Condenser											
	8A	1	QTY		D5XLEP-12 (GL DR)	12' FIVE DECK, LOW FRONT, GL DR RETROFIT	PROD.	EX	32	3.3		1	OT/TIME			HUSSMANN LAVF-24410, 63.24 mbh/deg td capacity, 68 circuits, 14.8 TD											
	2	QTY			D5XLEP-8 (GL DR)	8' FIVE DECK, LOW FRONT, GL DR RETROFIT	PROD.	EX	32	4.3		1	OT/TIME														
	9				SPARE																						
	10				SPARE																						
	LOOP 3					SPARE																					
SYS		L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	EVAP TEMP	LOAD (MBH)	CON-TROL	DEFROST		REFRIG	TOTAL LOAD	REMOTE CONDENSER SYSTEM INFORMATION											
												#/DAY	TYPE			COND UNIT MODEL	COMP BODY	HP	SUCT TEMP	CAPACITY	PERCENT LOADED	No. OF CIRCUITS					
RC-1					SPARE										R404A		HRH-D0500MS	2DC3R53KE									
																EXISTING 208V REMOTE CONDENSING UNIT											
																EXISTING 208V Air Cooled Condenser											
																HUSSMANN LAVF-11310, 4.57 mbh/deg td capacity, 34 circuits, 13.1 TD											
RC-2		3	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	EX	26	48.2		3	OT/TIME	R404A	48.168	HRH-Z0600MS	ZB45KCE		24	55.2	87.2%						
																EXISTING 208V REMOTE CONDENSING UNIT											
																EXISTING 460V Air Cooled Condenser											
																HUSSMANN LAVF-11410, 5.34 mbh/deg td capacity, 34 circuits, 14.0 TD											