REFRIGERATION SCHEDULE SYSTEM DTA

Format:	Supercenter	Store#:	1904	System Type:	Hybrid House – Central DX	Refrigerant:	R407a	Refrig. EMS:	CPC
Proto Size:	190	City/State:	Leesburg, VA	Consultant:	William R. Kraner, P.E.	Estimated Refrigerant Charge		System Elec:	460V 3Ph 60Hz
ProtoCycle Date:	4/28/2017	Date Prepared	9/13/2017	Prepared by:	Lance Payerli	Rack and Condenser (lbs)	--	Defrost Elec:	208V 1Ph/3Ph 60Hz
				Specifications Section:	15610 v4.0 - DX	Fixture and Field Piping (lbs)	--	Sys.Pilot Elec:	208V 1Ph 60Hz
								Cond. Elec:	460V 3Ph 60Hz

Condenser Type:	Air	H/R Media:	Water	SG1 Liq Temp °F:	50	SG2 Liq Temp °F:	50	DESIGN DB °F :	104
Sat. Cond. Temp °F:	119	H/R Use:	Dom. Hot Water	SG1 Comp RGT °F:	30	SG2 Comp RGT °F:	50	DESIGN WB °F :	79
Cond Design TD °F:	15	H/R Water GPM:	10					DESIGN INTERIOR DRY BULB °F :	75
Evap. Superheat °F:	10	Est. Summer THR MBH:	N/A					DESIGN INTERIOR RH % :	55%
		Est. Winter THR MBH:	N/A						

ASHRAE Weather Station Location:	LEESBURG EXECUTIVE, VA
EXTERIOR DRY BULB (DB) °F: (Based on 50 yr Extreme DB)	104
EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	79
ASHRAE PUBLISHED YEAR:	2013
DESIGN ELEVATION (FT):	390

CIRCUIT INFORMATION

CKT #	Equip Information: Tag Number	Cutsheet Date	FT/# of Doors	Case Fixture Length / Quantity: 1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/10'	6 Dr/12'	Walk-In Box Size: L	W	H	Case / Coil Model #	Case / Coil Manufacturer	Application
A01	RD6011.205	4/10/2014	12 FT						1				FWG - LT	Hussmann	Dual Temp Coffin Island
A02	RD6010.205	4/17/2014	12 FT			2							FWEG - LT	Hussmann	Dual Temp Coffin Island Ends
A03	RD6011.205	4/10/2014	12 FT						1				FWG - LT	Hussmann	Dual Temp Coffin Island
A04	RD6010.205	4/17/2014	12 FT			2							FWEG - LT	Hussmann	Dual Temp Coffin Island Ends
A05	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									34	19	12			Grocery Freezer W.I.
A05a													LLE-136	Bohn	1/2 Grocery Freezer W.I.
A05b													LLE-136	Bohn	1/2 Grocery Freezer W.I.
A06										19	18	12	BML-250	Bohn	I.C. Freezer W.I.
A07	RD6011.205	4/10/2014	12 FT						1				FWG - LT	Hussmann	Dual Temp Coffin Island
A08	RD6010.205	4/17/2014	12 FT			2							FWEG - LT	Hussmann	Dual Temp Coffin Island Ends
A09	RD6011.205	4/10/2014	12 FT						1				FWG - LT	Hussmann	Dual Temp Coffin Island
A10	RD6010.205	4/17/2014	12 FT			2							FWEG - LT	Hussmann	Dual Temp Coffin Island Ends
A11	RD3015.142	5/29/2014	2 DRS		1								RN6SL - IC	Kysor//Warren	Reach-In I.C. Cake
A12	RD3015.142	5/29/2014	18 DRS			1		3					RN6SL - IC	Kysor//Warren	Reach-In I.C.
A13	RD3015.142	5/29/2014	13 DRS				2	1					RN6SL - IC	Kysor//Warren	Reach-In I.C.
A14	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									19	17	10			Select Application
A14a													LLE-136	Bohn	1/2 OGP Freezer W.I.
A14b													LLE-136	Bohn	1/2 OGP Freezer W.I.
A15															Spare Stub
AS01	RD4003.352	1/20/2016	36 FT						3				OHMH - NRG	Hill Phoenix	M.D. Fresh Meat
AS02	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									30	19	12			Meat Cooler W.I.
AS02a													WKE-270	Bohn	1/2 Meat Cooler W.I.
AS02b													WKE-270	Bohn	1/2 Meat Cooler W.I.
AS03										19	12	12	WK-156	Bohn	Meat Utility
AS04	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														M.T. Coffin Island w/2 Ends
--	RD6011.005	5/28/2014	12 FT						1				FWG - MT	Hussmann	M.T. Coffin Island Center
-	RD6010.005	4/10/2014	12 FT			2							FWEG - MT	Hussmann	M.T. Coffin Island Ends
AS05	RD6010.005	4/10/2014	12 FT			2							FWEG - MT	Hussmann	Deli Island End
AS06	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														M.T. Coffin Island w/2 Ends
--	RD6011.005	5/28/2014	12 FT						1				FWG - MT	Hussmann	M.T. Coffin Island
-	RD6010.005	4/10/2014	12 FT			2							FWEG - MT	Hussmann	M.T. Coffin Island Ends
AS07	RD4003.352	1/20/2016	40 FT				2		2				OHMH - NRG	Hill Phoenix	M.D. Fresh Meat
AS08	RD2011.852	3/5/2015	4 FT		1								CR3-B	Hussmann	Self-Service Bakery
AS09	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Produce Island W/ Ends
--	RD1049.752	6/29/2016	16 FT				2						PFI-R-IC	Hill Phoenix	M.D. Produce Island
-	RD1050.752	6/29/2016	6 FT			1							PF-R-EC	Hill Phoenix	M.D. Produce Island End
AS10	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Produce Island W/ Ends
--	RD1049.752	6/29/2016	16 FT				2						PFI-R-IC	Hill Phoenix	M.D. Produce Island
--	RD1050.752	6/29/2016	6 FT			1							PF-R-EC	Hill Phoenix	M.D. Produce Island End
AS11	RD1083.652	1/9/2017	12 FT						1				RIM-04MS	Southern Case Arts	Cheese Island
AS12	RD1083.652	1/9/2017	12 FT						1				RIM-04MS	Southern Case Arts	Cheese Island
AS13	RD2006.642	1/15/2016	20 FT				1		1				SMBT	Hussmann	Service Deli
AS14	RD1010.651	11/18/2014	8 FT				1						E2V-SVO	Hussmann	M.D. Deli
AS15										8	11	10	LLE-060	Bohn	Poultry Cooler W.I.
AS16										17	10	10	ADT-130	Bohn	Deli Cooler W.I.
AS17															Subcooler Load Rack A
AS18															Spare Stub

FIXTURE ELECTRICAL INFORMATION / MISC INFORMATION

CKT #	LSHX Model #	Evaporator Coil TXV / Distributor	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap. SST	Case/ Walk-In Air Temp	Circuit Control Valves: EEPR	LLSV	Defrost Type	Defrost Heaters: Amps	Voltage	Fans: Amps	Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Drain Pan Amps (120v)	Comments
A01				7.3	-20	-12	CDST-7-7	E3S140	EL	23.1	208/1	0.5	120/1		3.1		ANTI-SWEAT ON FAN CIRCUIT
A02				5.0	-20	-12	CDST-4-7	E3S140	EL	13.0	208/1	0.2	120/1		1.4		ANTI-SWEAT HEATERS AND FANS SHARE CIRCUIT
A03				7.3	-20	-12	CDST-7-7	E3S140	EL	23.1	208/1	0.5	120/1		3.1		ANTI-SWEAT ON FAN CIRCUIT
A04				5.0	-20	-12	CDST-4-5	E3S140	EL	13.0	208/1	0.2	120/1		1.4		ANTI-SWEAT HEATERS AND FANS SHARE CIRCUIT
A05			TOTAL MAIN CIRCUIT:	33.1	-14	-2	CDST-9-11	E6S140	EL	18.0	208/3	4.0	208/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
A05a	Not Req'd	EGVE-2-Z / #1	16.6		-14	-2			EL	9.0	208/3	2.0	208/1				12.2°F T.D.
A05b	Not Req'd	EGVE-2-Z / #1	16.8		-14	-2			EL	9.0	208/3	2.0	208/1				12.2°F T.D.
A06	Not Req'd	EGVE-3-Z / #1-1/2		22.7	-20	-10	CDST-9-11	E5S140	EL	23.2	208/3	4.2	208/1				9.1°F T.D.
A07				7.3	-20	-12	CDST-7-7	E3S140	EL	23.1	208/1	0.5	120/1		3.1		ANTI-SWEAT ON FAN CIRCUIT
A08				5.0	-20	-12	CDST-4-7	E3S140	EL	13.0	208/1	0.2	120/1		1.4		ANTI-SWEAT HEATERS AND FANS SHARE CIRCUIT
A09				7.3	-20	-12	CDST-7-7	E3S140	EL	23.1	208/1	0.5	120/1		3.1		ANTI-SWEAT ON FAN CIRCUIT
A10				5.0	-20	-12	CDST-4-7	E3S140	EL	13.0	208/1	0.2	120/1		1.4		ANTI-SWEAT HEATERS AND FANS SHARE CIRCUIT
A11				2.4	-18	-11	CDST-2-4	E3S140	EL	6.7	208/1	0.7	120/1	0.3	1.6	0.4	---
A12				22.0	-18	-11	CDST-7-11	E5S140	EL	10.1/16.8/16.8/16.8	208/1	8.5	120/1	2.5	13.4	3.8	---
A13				15.9	-18	-11	CDST-7-11	E3S140	EL	13.5/13.5/16.8	208/1	4.7	120/1	1.8	9.7	2.6	---
A14			TOTAL MAIN CIRCUIT:	25.6	-20	-10	CDST-17-11	E5S140	EL	18.0	208/3	4.0	208/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
A14a	Not Req'd	EGVE-1-1/2-Z / #1	12.8		-20	-10			EL	9.0	208/3	2.0	208/1				9.[illegible]°F T.D.
A14b	Not Req'd	EGVE-1-1/2-Z / #1	12.8		-20	-10			EL	9.0	208/3	2.0	208/1				9.4°F T.D.
A15																	SPARE STUB FOR FUTURE USE
			Suction Group #1 Required Capacity:	170.9	-23	(°F) Suction Temperature											
AS01				46.5	23	29	CDST-9-11	E6S140	OT		N/A	3.0	120/1	4.5			---
AS02			TOTAL MAIN CIRCUIT:	35.1	20	28	CDST-7-9	E6S140	EL	22.6/22.6	208/1	4.0	208/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
AS02a	Not Req'd	EGVE-1-1/2-C / #3/4	17.5		20	28			EL	22.6	208/1	2.0	208/1				6.5°F T.D.
AS02b	Not Req'd	EGVE-1-1/2-C / #3/4	17.5		20	28			EL	22.6	208/1	2.0	[illegible]				6.5°F T.D.
AS03	Not Req'd	EGVE-1-1/2-C / #3/4		19.7	28	43	CDST-7-7	E5S140	OT		N/A	1.8	[illegible]				12.7°F T.D.
AS04			TOTAL MAIN CIRCUIT:	8.2	19	24	CDST-4-5	E3S140	EL	13/23.1	208/1	0.7	[illegible]				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
--			5.1		19	24			EL	--	208/1	0.5	[illegible]				ANTI-SWEAT HEATERS ON FAN CIRCUIT
-			3.1		19	24			EL	--	208/1	0.2	120/1		--		ANTI-SWEAT ON FAN CIRCUIT
AS05				3.1	19	24	CDST-2-4	E3S140	EL	13.0	[illegible]	[illegible]	120/1		1.4		ANTI-SWEAT ON FAN CIRCUIT
AS06			TOTAL MAIN CIRCUIT:	8.2	19	24	CDST-4-5	E3S140	EL	13/23.1	208/1	[illegible]	120/1		4.5		CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
--			5.1		19	24			EL	--	208/1	0.5	[illegible]		--		ANTI-SWEAT HEATERS ON FAN CIRCUIT
-			3.1		19	24			EL	--	208/1	0.2	[illegible]		--		ANTI-SWEAT ON FAN CIRCUIT
AS07				51.6	23	29	CDST-9-11	E6S140	OT		N/A	3.5	[illegible]	5.0			---
AS08				4.0	20	24	CDST-2-4	E3S140	OT		N/A	0.5	[illegible]	0.4	1.5		ANTI-SWEAT HEATER AND FANS ARE ON SEPARATE CIRCUITS
AS09			TOTAL MAIN CIRCUIT:	19.1	24	26	CDST-7-7	E5S140	OT		[illegible]	2.7	[illegible]	1.7			CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
--			13.9		24	28			OT		[illegible]	1.8	[illegible]	1.2	--		-
-			5.2		24	28			[illegible]		[illegible]	0.9	120/1	0.4	--		-
AS10			TOTAL MAIN CIRCUIT:	19.1	24	28	CDST-7-7	E5S140	[illegible]		[illegible]	2.7	120/1	1.7			CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
--			13.9		24	28			OT		N/A	1.8	120/1	1.2	--		-
--			5.2		24	26			OT		N/A	[illegible]	120/1	0.4	--		-
AS11				33.0	22	28	CDST-7-9	E6S140	OT		N/A	1.7	120/1	3.9			0
AS12				33.0	22	28	CDST-7-11	E6S140	OT		N/A	1.7	120/1	3.9			0
AS13				6.4	18	24	CDST-4-5	E3S140	OT		N/A	2.9	120/1	0.9			---
AS14				7.2	21	27	CDST-4-5	E3S140	OT		N/A	0.4	120/1	2.0			---
AS15	Not Req'd	EGVE-3/4-C / #1/3		8.5	18	28	CDST-4-5	E2S140	EL	[illegible]	208/3	1.0	208/1				10.6°F T.D.
AS16	Not Req'd	EGVE-1-C / #1/2		12.8	25	35	CDST-4-7	E3S140	OT		N/A	1.8	120/1				9.5°F T.D.
AS17				63.6	35												
AS18																	SPARE STUB FOR FUTURE USE
			Suction Group #2 Required Capacity:	380.7	16	(°F) Suction Temperature											

General Notes:
1.) Project coordinated with Kysor//Warren
2.) Walk-in expansion valves sized with liquid pressure regulating valve set at 138 psig.
3.) Suction Group A is subcooled by suction group AS (subcooler load 45.3 MBH). Suction Group AS is self-subcooled (subcooler load 94.6 MBH). Total subcooler load 139.9 MBH. Subcooler sized for 50°F liquid and 15°F approach.
4.)
5.)

REFRIGERATION SCHEDULE SYSTEM DTB

Format:	Supercenter	Store#:	1904	System Type:	Hybrid House – Central DX	Refrigerant:	R407a	Refrig. EMS:	CPC
Proto Size:	190	City/State:	Leesburg, VA	Consultant:	William R. Kraner, P.E.	Estimated Refrigerant Charge		System Elec:	460V 3Ph 60Hz
ProtoCycle Date:	4/28/2017	Date Prepared	9/13/2017	Prepared by:	Lance Payerli	Rack and Condenser (lbs)	--	Defrost Elec:	208V 1Ph/3Ph 60Hz
				Specifications Section:	15610 v4.0 - DX	Fixture and Field Piping (lbs)	--	Sys.Pilot Elec:	[illegible]
								Cond. Elec:	460V 3Ph 60Hz

Condenser Type:	Air	H/R Media:	Water	SG1 Liq Temp °F:	50	SG2 Liq Temp °F:	50	DESIGN DB °F :	104
Sat. Cond. Temp °F:	119	H/R Use:	Dom. Hot Water	SG1 Comp RGT °F:	30	SG2 Comp RGT °F:	50	DESIGN WB °F :	79
Cond Design TD °F:	[illegible]	H/R Water GPM:	12					DESIGN INTERIOR DRY BULB °F :	75
Evap. Superheat °F:	10	Est. Summer THR MBH:	N/A					DESIGN INTERIOR RH % :	55%
		Est. Winter THR MBH:	N/A						

ASHRAE Weather Station Location:	LEESBURG EXECUTIVE, VA
EXTERIOR DRY BULB (DB) °F: (Based on 50 yr Extreme DB)	104
EXTERIOR WET BULB (WB) °F: (Based on 0.4% Monthly Max MCWB)	79
ASHRAE PUBLISHED YEAR:	2013
DESIGN ELEVATION (FT):	390

CIRCUIT INFORMATION

CKT #	Equip Information: Tag Number	Cutsheet Date	FT/# of Doors	Case Fixture Length / Quantity: 1 Dr/2'	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/10'	6 Dr/12'	Walk-In Box Size: L	W	H	Case / Coil Model #	Case / Coil Manufacturer	Application
B01	RD3015.242	5/29/2014	8 DRS				2						RN6SL - FF	Kysor//Warren	Reach-In Frozen Seafood
B02	RD3016.242	5/29/2014	15 DRS					3					RN6TL - FF	Kysor//Warren	Reach-In F.F.
B03	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Reach-In F.F.
–	RD3016.242	5/29/2014	15 DRS					3					RN6TL - FF	Kysor//Warren	Reach-In F.F.
--	RD3015.242	5/29/2014	2 DRS		1								RN6SL - FF	Kysor//Warren	Reach-In F.F.
B04	RD3016.242	5/29/2014	15 DRS					3					RN6TL - FF	Kysor//Warren	Reach-In F.F.
B05	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Reach-In F.F.
–	RD3016.242	5/29/2014	15 DRS					3					RN6TL - FF	Kysor//Warren	Reach-In F.F.
–	RD3015.242	5/29/2014	2 DRS		1								RN6SL - FF	Kysor//Warren	Reach-In F.F.
B06										29	15	12	LLE-170	Bohn	[illegible] Freezer W.I.
B06a													LLE-170	Bohn	1/2 [illegible] Freezer W.I.
B06b													LLE-170	Bohn	1/2 [illegible] W.I.
B07										12	18	10	LLE-170	Bohn	Deli Freezer W.I.
B08	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Reach-In F.F.
--	RD3016.242	5/29/2014	14 DRS				1	2					RN6TL - FF	Kysor//Warren	Reach-In F.F.
--	RD3015.242	5/29/2014	2 DRS		1								RN6SL - FF	Kysor//Warren	[illegible]
B09	RD3016.242	5/29/2014	14 DRS				1	2					RN6TL - FF	[illegible]	Reach-In F.F.
B10	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW														Reach-In F.F.
–	RD3016.242	5/29/2014	14 DRS				1	2					[illegible]	Kysor//Warren	Reach-In F.F.
--	RD3015.242	5/29/2014	2 DRS		1								[illegible]	Kysor//Warren	Reach-In F.F.
B11	RD3016.242	5/29/2014	14 DRS				1	2					[illegible]	Kysor//Warren	Reach-In F.F.
B12															Spare Stub
BS01	RD3007.042	2/16/2016	28 FT				2		1				DX6LD	Kysor//Warren	Reach-In Deli
BS02	RD3007.042	2/16/2016	24 FT						2				DX6LD	Kysor//Warren	Reach-In Deli
BS03	RD3007.042	2/16/2016	36 FT										[illegible]	Kysor//Warren	Reach-In Dairy
BS04	RD3007.042	2/16/2016	40 FT				2						[illegible]	Kysor//Warren	Reach-In Dairy
BS05	RD3007.042	2/16/2016	20 FT				1						[illegible]	Kysor//Warren	Reach-In Deli
BS06	RD3026.042	1/22/2016	20 FT						1				DR6LD	Kysor//Warren	Reach-In Rear Load Dairy
BS07	RD3026.042	1/22/2016	32 FT				1		2				DR6LD	Kysor//Warren	Reach-In Rear Load Dairy
BS08	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									62	26	[illegible]			Dairy Cooler W.I. w/ Drs
BS08a													ADT-370	Bohn	1/3 Dairy Cooler W.I. w/ Drs
BS08b													ADT-370	Bohn	1/3 Dairy Cooler W.I. w/ Drs
BS08c													ADT-370	Bohn	1/3 Dairy Cooler W.I. w/ Drs
BS09	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									55	9	11			Dairy Cooler W.I.
BS09a													ADT-156	Bohn	1/2 Dairy Cooler W.I.
BS09b													ADT-156	Bohn	1/2 Dairy Cooler W.I.
BS10	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									30	19	12			Produce Cooler W.I.
BS10a													WK-210	Bohn	1/2 Produce Cooler W.I.
BS10b													WK-210	Bohn	1/2 Produce Cooler W.I.
BS11	RD3007.042	[illegible]	32 FT				1		2				DX6LD	Kysor//Warren	Reach-In Beer
BS12	RD3007.042	[illegible]	44 FT				1		3				DX6LD	Kysor//Warren	Reach-In Beer
BS13	RD1018.852	1/15/2016	20 FT				1		1				BX3LN	Kysor//Warren	M.D. Cake
BS14	RD4018.742	1/15/2016	36 FT						3				DX6LN - PRODUCE	Kysor//Warren	M.D. Produce
BS15	RD4032.902	[illegible]	8 FT				1						P6462	Borgen	Floral
BS16	RD4018.742	[illegible]	[illegible] FT						3				DX6LN - PRODUCE	Kysor//Warren	M.D. Produce
BS17										12	11	10	WK-130	Bohn	Bakery Cooler W.I.
BS18	[illegible]	[illegible]				1							DX6XN - DELI/DAIRY/PIZZA	Kysor//Warren	M.D. Deli
BS19	[illegible]	[illegible]	28				2		1				DX6LD	Kysor//Warren	Reach-In Produce
BS20	MAIN CIRCUIT - SUBCIRCUITS ARE BELOW									36	17	10			OGP Cooler W.I.
BS20a													WKE-270	Bohn	1/2 OGP Cooler W.I.
[illegible]													WKE-270	Bohn	1/2 OGP Cooler W.I.
[illegible]															Subcooler Load Rack B
[illegible]															Spare Stub

FIXTURE ELECTRICAL INFORMATION / MISC INFORMATION

CKT #	LSHX Model #	Evaporator Coil TXV / Distributor	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap. SST	Case/ Walk-In Air Temp	Circuit Control Valves: EEPR	LLSV	Defrost Type	Defrost Heaters: Amps	Voltage	Fans: Amps	Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Drain Pan Amps (120v)	Comments
B01				8.9	-11	-4	CDST-7-7	E3S140	EL	13.5/13.5	208/1	2.9	120/1	1.1	6.0	1.6	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B02				16.8	-11	-4	CDST-7-9	E5S140	EL	16.9/16.9/16.9	208/1	5.4	120/1	2.1	11.4	3.2	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B03			TOTAL MAIN CIRCUIT:	19.0	-11	-4	CDST-7-9	E5S140	EL	23.6/16.9/16.9	208/1	8.1	120/1	2.4	13.0	3.5	CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
–			16.8		-11	-4			EL	--	208/1	5.4	120/1	2.1	--	3.2	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
--			2.2		-11	-4			EL	--	208/1	0.7	120/1	0.3	–	0.4	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B04				16.8	-11	-4	CDST-7-9	E5S140	EL	16.9/16.9/16.9	208/1	5.4	120/1	2.1	11.4	3.2	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B05			TOTAL MAIN CIRCUIT:	19.0	-11	-4	CDST-7-9	E5S140	EL	23.6/16.9/16.9	208/1	8.1	120/1	2.4	13.0	3.5	CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
–			16.8		-11	-4			EL	--	208/1	5.4	120/1	2.1	--	3.2	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
–			2.2		-11	-4			EL	--	208/1	0.7	120/1	0.3	--	0.4	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B06	Not Req'd	EGVE-1-1/2-Z / #3/4		12.7	-10	-2	CDST-7-9	E3S140	EL	11.3	208/3	2.5	208/1				
B06a	Not Req'd	EGVE-1-1/2-Z / #3/4	12.7		-10	-2			EL	11.3	208/3	2.5	208/1				
B06b	Not Req'd	EGVE-1-1/2-Z / #3/4	12.7		-10	-2			EL	11.3	208/3	2.5	208/1				
B07	Not Req'd	EGVE-2-Z / #1		14.8	-10	-2	CDST-7-9	E3S140	EL	11.3	208/3	2.5	208/1				
B08			TOTAL MAIN CIRCUIT:	17.9	-11	-4	CDST-7-9	E5S140	EL	20.2/16.9/16.9	208/1	5.8	120/1	2.2	12.2	3.3	CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
--			15.6		-11	-4			EL	--	208/1	5.0	120/1	2.0	–	2.9	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
--			2.2		-11	-4			EL	--	208/1	0.7	120/1	0.3	–	0.4	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B09				15.6	-11	-4	CDST-7-9	E5S140	EL	13.5/16.9/16.9	208/1	5.0	120/1	2.0	10.6	2.9	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B10			TOTAL MAIN CIRCUIT:	17.9	-11	-4	CDST-7-9	E5S140	EL	20.2/16.9/16.9	208/1	5.8	120/1	2.2	12.2	3.3	CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
–			15.6		-11	-4			EL	--	208/1	5.0	120/1	2.0	–	2.9	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
--			2.2		-11	-4			EL	--	208/1	0.7	120/1	0.3	–	0.4	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B11				15.6	-11	-4	CDST-7-9	E5S140	EL	13.5/16.9/16.9	208/1	5.0	120/1	2.0	10.6	2.9	FANS AND DRAIN PAN HTRS SHARE CIRCUIT, RUN ALTERNATELY
B12																	SPARE STUB FOR FUTURE USE
			Suction Group #1 Required Capacity:	174.9	-14	(°F) Suction Temperature											
BS01				7.2	28	32	CDST-2-5	E3S140	OT		N/A	0.8	120/1	1.0			---
BS02				6.1	28	32	CDST-2-5	E3S140	OT		N/A	0.8	120/1	0.8			---
BS03				9.2	28	32	CDST-4-5	E3S140	OT		N/A	1.2	120/1	1.3			---
BS04				10.2	28	32	CDST-4-5	E3S140	OT		N/A	1.2	120/1	1.4			---
BS05				5.1	28	32	CDST-2-4	E3S140	OT		N/A	0.8	120/1	0.7			---
BS06				4.6	28	32	CDST-2-4	E3S140	OT		N/A	0.8	120/1	0.7			
BS07				7.4	28	32	CDST-2-5	E3S140	OT		N/A	1.0	120/1	1.1			
BS08			TOTAL MAIN CIRCUIT:	89.4	26	35	CDST-17-17	E10S250	OT		N/A	16.2	120/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
BS08a	Not Req'd	EGVE-3-C / #1	29.8		26	35			OT		N/A	5.4	120/1				
BS08b	Not Req'd	EGVE-3-C / #1	29.8		26	35			OT		N/A	5.4	120/1				
BS08c	Not Req'd	EGVE-3-C / #1	29.8		26	35			OT		N/A	5.4	120/1				
BS09			TOTAL MAIN CIRCUIT:	27.5	26	35	CDST-7-9	E5S140	OT		N/A	5.4	120/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
BS09a	Not Req'd	EGVE-1-1/2-C / #1/2	13.8		26	35			OT		N/A	2.7	120/1				
BS09b	Not Req'd	EGVE-1-1/2-C / #1/2	13.8		26	35			OT		N/A	2.7	120/1				
BS10			TOTAL MAIN CIRCUIT:	32.3	28	36	CDST-7-9	E5S140	OT		N/A	7.2	120/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
BS10a	Not Req'd	EGVE-1-1/2-C / #1/2	16.1		28	36			OT		N/A	3.6	120/1				
BS10b	Not Req'd	EGVE-1-1/2-C / #1/2	16.1		28	36			OT		N/A	3.6	120/1				
BS11				8.2	28	32	CDST-4-5	E3S140	OT		N/A	1.0	120/1	1.1			---
BS12				11.3	28	32	CDST-4-5	E3S140	OT		N/A	1.4	120/1	1.6			---
BS13				13.5	28	31	CDST-4-7	E3S140	OT		N/A	0.7	120/1	2.2			LOADS BASED ON 2 ROWS OF SHELF LIGHTS.
BS14				37.6	27	33	CDST-7-11	E6S140	OT		N/A	4.0	120/1	4.3			--
BS15				8.6	25	31	CDST-4-5	E3S140	OT		N/A	0.6	120/1	2.4			
BS16				37.6	27	33	CDST-7-11	E6S140	OT		N/A	4.0	120/1	4.3			---
BS17	Not Req'd	EGVE-1-C / #1/3		10.5	28	35	CDST-4-5	E3S140	OT		N/A	1.8	120/1				–
BS18				6.2	27	33	CDST-2-4	E3S140	OT		N/A	0.7	120/1	0.6			
BS19				7.2	28	32	CDST-2-5	E3S130	OT		N/A	0.6	120/1	1.0			
BS20			TOTAL MAIN CIRCUIT:	30.7	28	34	CDST-7-9	E5S130	EL	22.6/22.6	208/1	4.0	208/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
BS20a	Not Req'd	EGVE-1-1/2-C / #1/2	15.3		28	34			EL	22.6	208/1	2.0	208/1				
[illegible]	Not Req'd	EGVE-1-1/2-C / #1/2	15.3		28	34			EL	22.6	208/1	2.0	208/1				
[illegible]				69.1	35												
[illegible]																	SPARE STUB FOR FUTURE USE
			Suction Group #2 Required Capacity:	439.3	23	(°F) Suction Temperature											

General Notes:
1.) Owner's designated refrigeration equipment manufacturer: Kysor//Warren.
2.) Walk-in expansion valves sized with liquid pressure regulating valve set at 138 psig.
3.) Suction Group B is subcooled by suction group BS (subcooler load 45.6 MBH). Suction Group BS is self-subcooled (subcooler load 107.9 MBH). Total subcooler load 153.6 MBH. Subcooler sized for 50°F liquid and 15°F approach.
*Combined 208/3 circuit amperage of all cases on circuit exceeds allowable load of circuit breaker. First value indicates amperage of three cases wired as 208/3. Second value indicates amperage of final case wired as 208/1.
5.)

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CONSULTANTS
William R. Kraner P.E.
SUITE5516 1805 N 2ND ST ROGERS, AR 72756
479-636-5004 800-321-8721
JOB NO.: 18955 DESIGNED BY: ROP

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