REFRIGERATION SCHEDULE SYSTEM MTD

				Refrig. EMS: NOVAR	Condenser Type: Air	H/R Media: N/A	Subcooler Liquid Temps	SG1 Comp RGT °F: 50	DESIGN DB °F : 102	EXTERIOR DRY BULB (DB) °F : 102.2
Format: Supercenter	Store#: 1261	System Type: Weather Pac	Primary Refrigerant: R404A	System Elec: 460V 3Ph 60Hz	Sat. Cond. Temp °F: 117	H/R Use: N/A	SG1 Liquid Temp 117	SG2 Comp RGT °F: N/A	DESIGN WB °F : 76	Based on 5 yr Extreme DB-ASHRAE Pub.: Year 2017
Proto Size: Renovation	City/State: Fayetteville, NC	Consultant: DCE	Estimated Refrigerant Charge N/A	Defrost Elec: 208V 60Hz 1 or 3 Ph	Cond Design TD °F: 15	H/R Water GPM: N/A	SG2 Liquid Temp N/A	SG3 Comp RGT °F: N/A	DESIGN INTERIOR DRY BULB °F : 75	EXTERIOR WET BULB (WB) °F : 75.7
ProtoCycle Date: 2/28/2020	Date Prepared 4/6/2020	Prepared by: Kelci Parrish	Rack and Condenser (lbs) --	Sys Pilot Elec: 208V 1 Ph	Summer H/R Avail: N/A	H/R Glycol Type: N/A	SG3 Liquid Temp N/A	Evap. Superheat °F: 10	DESIGN INTERIOR RH % : 55%	Based on 0.4% Monthly Max WB-ASHRAE Pub.: Year 2017
			Fixture and Field Piping (lbs) N/A	Cond. Elec: 460V 3 Ph 60Hz	Winter H/R Avail: N/A	H/R Glycol %: N/A				ELEVATION ft: 263

CIRCUIT INFORMATION / FIXTURE ELECTRICAL INFORMATION / MISC INFORMATION

CKT #	Case Fixture Length / Quantity: FT /# of Doors	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/12'	Walk-In Box Size: L	W	H	Case Model	Case/Coil Manuf.	Application	Evaporator Model #	LSHX Y or N? & Model # WI Evaps	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap Temp	Case/ Walk-In Air Temp	Circuit Control Valves: EPR	LLSV	Defrost Type	Defrost Heaters: Amps	Voltage	Fans: Amps	Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Amps	Comments
D1	15 FT								ON3UM/EM	HILL PHOENIX	Deli Promo Island		-	-		25.8	22	ETR	SORIT15	ME9	OT		-	0.9	115/1	ETR	ETR		EXISTING TO REMAIN
D2	32 FT			1	2				M5XGEP	HUSSMANN	M.D. Meat		-	-		40.3	26	ETR	SORIT15	ME14	OT		-	11.2	115/1	ETR	ETR		EXISTING TO REMAIN
D3	32 FT			1	2				M5XGEP	HUSSMANN	M.D. Meat		-	-		40.3	26	ETR	SORIT15	ME14	OT		-	11.2	115/1	ETR	ETR		EXISTING TO REMAIN
D4						18	42	12		BOHN	Meat/Deli Cooler W.I.	(2)WKE210B	HXR250A	SSSE3C / E2		42.0	22	ETR	SORIT20	ME14	EL	45.2	208/1	8.8	208/1				EXISTING TO REMAIN
D5	28 FT			2	1				N6DHPM_d	TYLER	M.D. Dairy		-	-		8.5	30	ETR	SPORTII3	ME14	OT		-	3.7	115/1	ETR	ETR		EXISTING TO REMAIN
D6	32 FT			1	2				N6DHPM_d	TYLER	M.D. Dairy		-	-		9.8	30	ETR	SPORTII3	ME14	OT		-	4.2	115/1	ETR	ETR		EXISTING TO REMAIN
D7	24 FT				2				N6DHPM_d	TYLER	M.D. Deli		-	-		7.3	30	ETR	SPORTII3	ME14	OT		-	3.2	115/1	ETR	ETR		EXISTING TO REMAIN
D8	24 FT				2				N6DHPM_d	TYLER	M.D. Deli		-	-		7.3	30	ETR	SPORTII3	ME14	OT		-	3.2	115/1	ETR	ETR		EXISTING TO REMAIN
D9	8 FT			1					BWU-96 TOP	BARKER	M.T. Service Seafood		-	-		5.0	20	ETR	SORIT12	ME6	OT		-	0.9	115/1	ETR	ETR		EXISTING TO REMAIN
D10*	24 FT				2				DX6LD** (RD3007.042)	KYSOR/WARREN	M.D. Beer		-	-		4.3	24	36	CDST2**	E3	OT		-	0.8	115/1	1.4			
													Suction Group #1 Required Capacity (MBH)			190.6	18	(°F) Saturated Suction Temperature											

General Notes:

1.) The scheduled data for existing to remain components, circuit loads, and electrical conditions are reproduced from original documents and may not reflect as-built conditions.
2.) Contractor shall field verify existing status of data shown for modified racks and notify engineer of any discrepancies.
3.) Owner's designated refrigeration equipment manufacturer: Hill Phoenix
4.) 5 yr. extreme design dry bulb temp used.
5.) Case manufacturer shall size and provide mechanical TXVs for new cases.
6.)

*MODIFIED CIRCUIT/**NEW CASE, VALVE, OR EVAPORATOR

REFRIGERATION SCHEDULE SYSTEM MTE

				Refrig. EMS: NOVAR	Condenser Type: Air	H/R Media: N/A	Subcooler Liquid Temps	SG1 Comp RGT °F: 50	DESIGN DB °F : [illegible]	EXTERIOR DRY BULB (DB) °F : 102.2
Format: Supercenter	Store#: 1261	System Type: Weather Pac	Primary Refrigerant: R404A	System Elec: 460V 3Ph 60Hz	Sat. Cond. Temp °F: 121	H/R Use: N/A	SG1 Liquid Temp 121	SG2 Comp RGT °F: N/A	DESIGN WB °F : 76	Based on 5 yr Extreme DB-ASHRAE Pub.: Year 2017
Proto Size: Renovation	City/State: Fayetteville, NC	Consultant: DCE	Estimated Refrigerant Charge N/A	Defrost Elec: OFF TIME	Cond Design TD °F: 15	H/R Water GPM: N/A	SG2 Liquid Temp N/A	SG3 Comp RGT °F: [illegible]	DESIGN INTERIOR DRY BULB °F : 75	EXTERIOR WET BULB (WB) °F : 75.7
ProtoCycle Date: 2/28/2020	Date Prepared 4/6/2020	Prepared by: Kelci Parrish	Rack and Condenser (lbs) --	Sys Pilot Elec: 208V 1 Ph	Summer H/R Avail: N/A	H/R Glycol Type: N/A	SG3 Liquid Temp N/A	Evap. Superheat °F: [illegible]	DESIGN INTERIOR RH % : 55%	Based on 0.4% Monthly Max WB-ASHRAE Pub.: Year 2017
			Fixture and Field Piping (lbs) N/A	Cond. Elec: 460V 3 Ph 60Hz	Winter H/R Avail: N/A	H/R Glycol %: N/A				ELEVATION ft: 263

CIRCUIT INFORMATION / FIXTURE ELECTRICAL INFORMATION / MISC INFORMATION

CKT #	Case Fixture Length / Quantity: FT /# of Doors	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/12'	Walk-In Box Size: L	W	H	Case Model	Case/Coil Manuf.	Application	Evaporator Model #	LSHX Y or N? & Model # WI Evaps	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap Temp	Case/ Walk-In Air Temp	Circuit Control Valves: EPR	LLSV	Defrost Type	Defrost Heaters: Amps	Voltage	Fans: Amps	Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Amps	Comments
E1*	MAIN CIRCUIT-SUBCIRCUITS ARE BELOW										M.D. Beer			TOTAL MAIN CIRCUIT:		10.8	30	ETR	SPORTII3	ME14	OT		-	6.0	115/1				CIRCUIT LOAD & ELECTRICAL ARE TOTALS OF THE SUBCIRCUITS
E1.1*	28 FT			2	1				HQD6L1_d	KYSOR/WARREN	M.D. Beer		-	-	7.6		30	ETR			OT		-	4.2	115/1	ETR	ETR		RELOCATED
E1.2*	12 FT				1				HQD6L1_d	KYSOR/WARREN	M.D. Beer		-	-	3.2		30	ETR			OT		-	1.8	115/1	ETR	ETR		RELOCATED
E2	24 FT				2				N6DHPM_d	TYLER	M.D. Dairy		-	-		7.3	30	ETR	SPORTII3	ME14	OT		-	3.2	115/1	ETR	ETR		EXISTING TO REMAIN
E3						22	62	11		BOHN	1/3 Dairy Cooler W.I.	ADT312A	HXR250A	SSSE4C / L2 1/2		30.8	[illegible]	ETR	SORIT15	ME14	OT		-	10.8	115/1				EXISTING TO REMAIN
E4						22	62	11		BOHN	2/3 Dairy Cooler W.I.	(2)ADT312A	HXR250A	SSSE4C / L2 1/2		61.6	[illegible]	ETR	SORIT20	ME19	OT		-	21.6	115/1				EXISTING TO REMAIN
E5						6	52	11		BOHN	Dairy Cooler W.I.	(3)SM090A	HXR75	EGSE1C / L3/4		[illegible]	27	ETR	SORIT12	ME9	OT		-	12.6	115/1				EXISTING TO REMAIN
E6	20 FT			1	1				N6DHPMR_d	TYLER	M.D. Rear Load Dairy		-	-		[illegible]	30	[illegible]	SPORTII3	ME9	OT		-	2.7	115/1	ETR	ETR		EXISTING TO REMAIN
E7	12 FT				1				N6DHPM_d	TYLER	M.D. Dairy		-	-		3.7	30	[illegible]	SPORTII3	ME6	OT		-	1.6	115/1	ETR	ETR		EXISTING TO REMAIN
E8	24 FT				2				N6DHPMR_d	TYLER	M.D. Rear Load Dairy		-	-		2.3	[illegible]	ETR	SPORTII3	ME14	OT		-	3.2	115/1	ETR	ETR		EXISTING TO REMAIN
E9*	16 FT			2					O5DM-NRG_d	HILL PHOENIX	M.D. Beer		-	-		4.0	[illegible]	ETR	SPORTII3	ME6	OT		-	0.9	115/1	ETR	ETR		RELOCATED
													Suction Group #1 Required Capacity (MBH)			153.0	25	(°F) Saturated Suction Temperature											

General Notes:

1.) The scheduled data for existing to remain components, circuit loads, and electrical conditions are reproduced from original documents and may not reflect as-built conditions.
2.) Contractor shall field verify existing status of data shown for modified racks and notify engineer of any discrepancies.
3.) Owner's designated refrigeration equipment manufacturer: Hill Phoenix
4.) Original design dry bulb temp used.
5.) Case manufacturer shall size and provide mechanical TXVs for new cases.
6.)

*MODIFIED CIRCUIT/**NEW CASE, VALVE, OR EVAPORATOR

REFRIGERATION SCHEDULE SYSTEM MTF

				Refrig. EMS: NOVAR	Condenser Type: Air	H/R Media: N/A	Subcooler Liquid Temps	SG1 Comp RGT °F: 50	DESIGN DB °F : 102	EXTERIOR DRY BULB (DB) °F : 102.2
Format: Supercenter	Store#: 1261	System Type: [illegible] Pac	Primary Refrigerant: R404A	System Elec: 460V 3Ph 60Hz	Sat. Cond. Temp °F: 117	H/R Use: N/A	SG1 Liquid Temp 117	SG2 Comp RGT °F: N/A	DESIGN WB °F : 76	Based on 5 yr Extreme DB-ASHRAE Pub.: Year 2017
Proto Size: Renovation	City/State: Fayetteville, NC	[illegible] DCE	Estimated Refrigerant Charge N/A	Defrost Elec: 208V 60Hz 1 or 3 Ph	Cond Design TD °F: 15	H/R Water GPM: N/A	SG2 Liquid Temp N/A	SG3 Comp RGT °F: N/A	DESIGN INTERIOR DRY BULB °F : 75	EXTERIOR WET BULB (WB) °F : 75.7
ProtoCycle Date: 2/28/2020	Date Prepared 4/6/2020	Prepared [illegible] Parrish	Rack and Condenser (lbs) --	Sys.Pilot Elec: 208V 1 Ph	Summer H/R Avail: N/A	H/R Glycol Type: N/A	SG3 Liquid Temp N/A	Evap. Superheat °F: 10	DESIGN INTERIOR RH % : 55%	Based on 0.4% Monthly Max WB-ASHRAE Pub.: Year 2017
			Fixture and Field Piping (lbs) N/A	Cond. Elec: 460V 3 Ph 60Hz	Winter H/R Avail: N/A	H/R Glycol %: N/A				ELEVATION ft: 263

CIRCUIT INFORMATION / FIXTURE ELECTRICAL INFORMATION / MISC INFORMATION

CKT #	Case Fixture Length / Quantity: FT /# of Doors	2 Dr/4'	3 Dr/6'	4 Dr/8'	5 Dr/12'	Walk-In Box Size: L	W	H	Case Model	Case/Coil Manuf.	Application	Evaporator Model #	LSHX Y or N? & Model # WI Evaps	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap Temp	Case/ Walk-In Air Temp	Circuit Control Valves: EPR	LLSV	Defrost Type	Defrost Heaters: Amps	Voltage	Fans: Amps	Voltage	Lights Amps (120v)	Anti-Sweat Amps (120v)	Amps	Comments
F1						[illegible]	[illegible]	10		BOHN	Poultry/Deli Cooler W.I.	WKE155B	HXR150	EGSE2C / L1 1/2		14.7	22	ETR	SORIT12	ME6	EL	17.4	208/1	2.2	208/1				EXISTING TO REMAIN
F2						7	[illegible]	10		BOHN	Bakery Cooler W.I.	ADT104A	HXR150	EGSE1 1/2C / L1		10.0	27	ETR	SORIT12	ME6	OT		-	3.6	115/1				EXISTING TO REMAIN
F3						16	26	[illegible]		BOHN	Produce Cooler W.I.	WK270A	HXR250A	SSSE3C / C2 1/2		19.8	27	ETR	SORIT12	ME9	OT		-	8.4	115/1				EXISTING TO REMAIN
F4*											SPARE STUB						-		SORIT12	ME6									
F5*	40 FT				[illegible]				ON5DMX-NRG** (RD4043.042)	HILL PHOENIX	M.D. Deli		-	-		48.0	28	31	CDST9**	E14**	OT		-	2.3	115/1	0.5			
F6*	12 FT				1				SMBT	HUSSMANN	Service Deli		-	-		5.0	18	ETR	SPORTII5**	E3**	OT		-	1.0	115/1	TBD			REDUCED/RELOCATED
F7	20 FT			1	1				B31	KYSOR/WARREN	M.D. Cake		-	-		20.0	20	ETR	SORIT12	ME9	OT		-	2.7	115/1	ETR	ETR		EXISTING TO REMAIN
F8*	[illegible] FT								RIM-04MS** (RD1063.652)	SOUTHERN	Cheese Island		-	-		33.0	22	28	CDST9**	E9**	OT		-	1.7	115/1	3.9			
F9	[illegible]								P4613A	BORGEN	Floral		-	-		14.0	22	ETR	SORIT12	ME6	OT		-	0.4	115/1	ETR	ETR		EXISTING TO REMAIN
F10*	36 [illegible]				3				DX6LN** (RD4018.742)	KYSOR/WARREN	M.D. Produce		-	-		45.6	25	32	CDST9**	E14**	OT		-	3.0	115/1	2.3			
F11*	36 F[illegible]				3				DX6LN** (RD4018.742)	KYSOR/WARREN	M.D. Produce		-	-		45.6	25	32	CDST9**	E14**	OT		-	3.0	115/1	2.3			
F12											SPARE STUB						-												EXISTING TO REMAIN
													Suction Group #1 Required Capacity (MBH)			255.7	16	(°F) Saturated Suction Temperature											

General Notes:

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3.) Owner's designated refrigeration equipment manufacturer: Hill Phoenix
4.) 5 yr. extreme design dry bulb temp used.
5.) Case manufacturer shall size and provide mechanical TXVs for new cases.
6.)

*MODIFIED CIRCUIT/**NEW CASE, VALVE, OR EVAPORATOR

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EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

DC ENGINEERING
Phone:208.288.2181 Project:20CYN01

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CONSULTANTS

Walmart
Fayetteville, NC
STORE NO: 1261
JOB NUMBER: #1261 GENERAL REMODEL

ISSUE BLOCK

CHECKED BY:	KK
DRAWN BY:	KP
PROTO:	02/28/2020
PROTO CYCLE:	195 SC
DOCUMENT DATE:	04/15/2020

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REFRIGERATION SCHEDULES

SHEET: R3