

REFRIGERATION SCHEDULE SYSTEM Rack A																														
Format: Supercenter	Store #: 483	System Type: Compressor House	Refrigerant: R422D	Refrigerant OEM: Kyron/Warren	Condenser Type: Air	Heat Reclaim Media: N/A	SG1 Rehg. Liquid Temp (°F): 43	SG2 Rehg. Liquid Temp (°F): N/A	SG3 Rehg. Liquid Temp (°F): N/A	EXTERIOR DRY BULB (DB) (°F): 101.5																				
Photo Size: 192	City/State: PRATTVILLE, AL	Consultant: HEI	Estimate Refrig. Charge (Dls): N/A	Refrig. EMS: NOVAR	Set. Cond. Temp (°F): 117	Heat Reclaim Use: N/A	SG1 Comp RGT (°F): 30	SG2 Comp RGT (°F): N/A	SG3 Comp RGT (°F): N/A	EXTERIOR WET BULB (WB) (°F): 2017																				
Photo Cycle Date: 1/29/2021	Elevation (ft): 171	Prepared By: SARAH KRUGER	Rack & Cond. Charge (Dls): na	System Elec: 460V 3Ph 60Hz	Cond. Design TD (°F): 15	Heat Reclaim Water (GPM): N/A	Est. Summer THR (MBH): N/A	Evap. Superheat (°F): 10	ASHRAE Design Conditions: ASHRAE Pub. 2017	0.4% Monthly Max WB from ASHRAE Pub.																				
Date Prepared: 3/23/2021	Design DB (F) / WB (F): 102°F / 82°F	Interior Design DB (F) / RH (%): 75°F / 55%	Fixture and Field Piping (Dls): N/A	Sys. Pilot Elec: 208V 1 Ph	Cond. Elec: 460V 3 Ph 60Hz	Est. Winter THR Avail (MBH): N/A	ASHRAE Design Conditions Weather Station: MAXWELL AFB, AL																							
CIRCUIT INFORMATION																														
CKT #	FT # of Doors	2 Dr4"	3 Dr6"	4 Dr8"	5 Dr12"	L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LSHX Y or N? & Model #	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap SST	Case Walk-In Air Temp	Control Valves	Defrost Type	Defrost Heaters	Fans	Lights	Anti-Sweat	Comments	Equip Number	CKT #				
A1.1	18	18	16											25.4	-17	-10		ORIFIT311 ME6	EL	32.8	208V	7.2	208V	-	-	-	-	A1.1		
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																														
											BEM1HOC			12.7	-17	-10				EL	16.4	208V	3.6	208V	-	-	-	-		
											BEM1HOC			12.7	-17	-10				EL	16.4	208V	3.6	208V	-	-	-	-		
A1.2*	7 DR										SPARE			0.0	-	-												A1.2*		
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																														
											RL			8.1	-11	-10				EL	16.8	208V	2.7	120V	-	-	-	-	A1.3	
A1.4	18	10	10								Bakery Freezer W.I.			13.8	-10	-2				EL	9.0	208V	4.0	208V	-	-	-	-	A1.4	
											1/2 Bakery Freezer W.I.			6.9	-10	-2				EL	4.5	208V	2.0	208V	-	-	-	-		
											1/2 Bakery Freezer W.I.			6.8	-10	-2				EL	4.5	208V	2.0	208V	-	-	-	-		
											FWE			4.4	-20	-				EL	13.1	208V	1.3	120V	-	-	-	-		
A2.1	2"										Dual Temp Coffin End			12.7	-20	-				EL	30.5	208V	5.1	120V	-	-	-	-	A2.1	
A2.2	24"										Dual Temp Coffin			10.1	-10	-2				EL	10.1	208V	4.4	120V	-	-	-	-	A2.2	
A2.3	3DR										RL			17.8	-19	-				EL	29.1	208V	20.3	120V	-	-	-	-	A2.3	
A2.4	14DR										RL			21.6	-19	-				EL	38.2	208V	24.9	120V	-	-	-	-	A2.4	
A2.5	17DR										RL			4.4	-20	-				EL	13.1	208V	1.3	120V	-	-	-	-	A2.5	
A3.1	2"										Dual Temp Coffin End			12.7	-20	-				EL	30.5	208V	5.1	120V	-	-	-	-	A3.1	
A3.2	24"										Dual Temp Coffin			10.1	-10	-2				EL	10.1	208V	4.4	120V	-	-	-	-	A3.2	
A3.3	2"										Dual Temp Coffin End			12.7	-20	-				EL	30.5	208V	5.1	120V	-	-	-	-	A3.3	
A3.4	16"										FWE			4.4	-20	-				EL	13.1	208V	1.3	120V	-	-	-	-	A3.4	
A3.5	16"										FWE			4.4	-20	-				EL	13.1	208V	1.3	120V	-	-	-	-	A3.5	
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																														
											BME18OC			18.3	-17	-2				EL	64.0	208V	14.4	208V	-	-	-	-	A3.6	
											BME18OC			18.3	-17	-2				EL	64.0	208V	14.4	208V	-	-	-	-	A3.7	
A3.6	14"										ONUWEM			25.2	-22	-				SPORT1113	OT	0.0	-	-	-	-	-	-	A3.6	
A3.7	14"										SME08B			8.0	-17	-2				ORIFIT29	ME6	10.5	208V	3.3	208V	-	-	-	-	A3.7
SUCTION GROUP #1 REQUIRED CAPACITY (MBH): 298.4																														
General Notes:																														
1.) Owner's designated refrigeration equipment manufacturer: Kyron/Warren.																														

REFRIGERATION SCHEDULE SYSTEM Rack B																																
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Photo Size: 192	City/State: PRATTVILLE, AL	Consultant: HEI	Estimate Refrig. Charge (Dls): N/A	Refrig. EMS: NOVAR	Set. Cond. Temp (°F): 117	Heat Reclaim Use: N/A	SG1 Comp RGT (°F): 30	SG2 Comp RGT (°F): N/A	SG3 Comp RGT (°F): N/A	EXTERIOR WET BULB (WB) (°F): 2017																						
Photo Cycle Date: 1/29/2021	Elevation (ft): 171	Prepared By: SARAH KRUGER	Rack & Cond. Charge (Dls): na	System Elec: 460V 3Ph 60Hz	Cond. Design TD (°F): 15	Heat Reclaim Water (GPM): N/A	Est. Summer THR (MBH): N/A	Evap. Superheat (°F): 10	ASHRAE Design Conditions: ASHRAE Pub. 2017	0.4% Monthly Max WB from ASHRAE Pub.																						
Date Prepared: 3/23/2021	Design DB (F) / WB (F): 102°F / 82°F	Interior Design DB (F) / RH (%): 75°F / 55%	Fixture and Field Piping (Dls): N/A	Sys. Pilot Elec: 208V 1 Ph	Cond. Elec: 460V 3 Ph 60Hz	Est. Winter THR Avail (MBH): N/A	ASHRAE Design Conditions Weather Station: MAXWELL AFB, AL																									
CIRCUIT INFORMATION																																
CKT #	FT # of Doors	2 Dr4"	3 Dr6"	4 Dr8"	5 Dr12"	L	W	H	Case/Coil Model	Case/Coil Manuf.	Application	LSHX Y or N? & Model #	Evaporator Coil TXV / Distributor Nozzle	Sub-Circuit Load (MBH)	Circuit Load (MBH)	Evap SST	Case Walk-In Air Temp	Control Valves	Defrost Type	Defrost Heaters	Fans	Lights	Anti-Sweat	Comments	Equip Number	CKT #						
B1	14 DRS													33.6	-11	-11												B1				
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																																
B1.3	14 DRS										M/D REACH IN FREEZER			16.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B1.3			
B1.4	14 DRS										M/D REACH IN FREEZER			16.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B1.4			
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																																
B2	3 DRS													48.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B2			
B2.2	14 DRS										FROZEN FOOD DOORS			3.6	-11	-11				EL	10.1	208V	4.4	120V	-	-	-	-	B2.2			
B2.3	14 DRS										M/D REACH IN FREEZER			16.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B2.3			
B2.4	3 DRS										FROZEN FOOD DOORS			3.6	-11	-11				EL	10.1	208V	4.4	120V	-	-	-	-	B2.4			
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																																
B3	3 DRS													38.4	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B3			
B3.1	14 DRS										FROZEN FOOD DOORS			2.4	-11	-11				EL	6.7	208V	3.9	120V	-	-	-	-	B3.1			
B3.2	14 DRS										M/D REACH IN FREEZER			16.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B3.2			
B3.3	14 DRS										M/D REACH IN FREEZER			16.8	-11	-11				EL	29.1	208V	20.5	120V	-	-	-	-	B3.3			
B3.4	2 DRS										FROZEN FOOD DOORS			2.4	-11	-11				EL	6.7	208V	3.9	120V	-	-	-	-	B3.4			
B4	2 DRS													2.6	-19	-19				EL	1.7	208V	0.9	120V	-	-	-	-	B4			
MAIN CIRCUIT - SUBCIRCUITS ARE BELOW																																
B5	17	12	10								Pickup Freezer			33.3	-19	-10				EL	29.1	208V	6.0	208V	-	-	-	-	B5			
B5a											1/2 Pickup Freezer			16.2	-19	-10				EL	29.1	208V	3.0	208V	-	-	-	-	B5a			
B5b											1/2 Pickup Freezer			16.2	-19	-10				EL	29.1	208V	3.0	208V	-	-	-	-	B5b			
SUCTION GROUP #1 REQUIRED CAPACITY (MBH): 147.1																																
General Notes:																																
1.) Owner's designated refrigeration equipment manufacturer: Kyron/Warren.																																
2.) Subcooler sized for 43°F liquid and 13°F approach.																																
3.) The scheduled data for existing to remain components, circuit loads, and electrical conditions are reproduced from original design documents and may not reflect actual as-built conditions.																																
4.) Contractor shall field verify existing status of data shown for modified racks and notify engineer of any discrepancies.																																
5.) OEM to ensure adequate size of compressor and condenser to meet 100% NRE at the scheduled ambient temperature conditions above.																																

REFRIGERATION SCHEDULE SYSTEM Rack C									
Format: Supercenter	Store #: 483	System Type: Compressor House	Refrigerant: R422D	Refrigerant OEM: Kyron/Warren	Condenser Type: Air	Heat Reclaim Media: N/A	SG1 Rehg. Liquid Temp (°F): 75		