

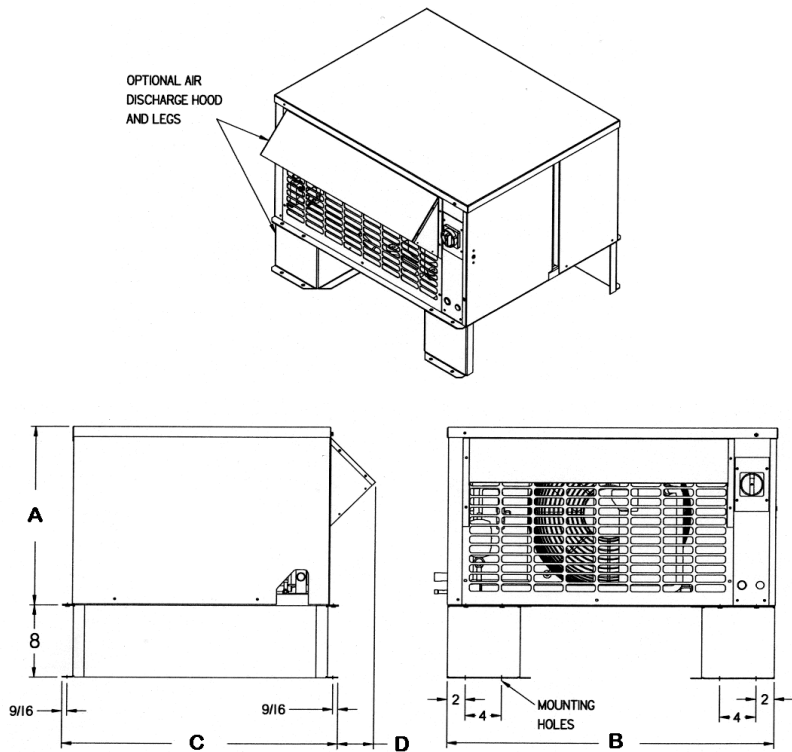
					WYLIE ELEMENTARY COMBO FREEZER				
Prepared By					Prepared For				
COOLING REQUIREMENTS									
Application Title	Location	Interior Temperature			External Temperature		Internal RH	External RH	
General Walk-in Freezer	Indoor	-10 °F			95 °F		95%	55%	
Wall Load 33%	Infiltration Load 47%			Product Load 2%			Miscellaneous Load 18%		
1,640 BTUH	2,320 BTUH			112 BTUH			892 BTUH		
WALL, FLOOR AND CEILING LOADS									
Section	Construction	Thickness (in)	K-Factor	R-Value	Ext Temp (°F)	Dim 1 (ft)	Dim 2 (ft)	Area (ft²)	Load (BTUH)
Rear	Urethane, Standard panels	4	0.14	28.57	95	8	8	64	235
Right End	Urethane, Standard panels	4	0.14	28.57	45	9.75	8	78	150
Front	Urethane, Standard panels	4	0.14	28.57	95	8	8	45	164
	Door			15	95	3	6.5	20	135
Left End	Urethane, Standard panels	4	0.14	28.57	95	9.75	8	78	287
Floor	Composite :- Insulated Floor - Panels On Concrete	10	0.31	32.32		8	9.75	78	383
Ceiling	Urethane, Standard panels	4	0.14	28.57	95	8	9.75	78	287
Volume (ft³)		624	TOTAL WALL, FLOOR AND CEILING LOAD						1,640
INFILTRATION LOAD : ESTIMATED BY DOORS AND OPENINGS									
Quantity	Door or Opening Type	Height (in)	Width (in)	Ext Temp (°F)	External Rh (%)	Open Time (hrs)	Curtains	Load (BTUH)	
1	Door	78	36	95	55	0.18	None	2,320	
TOTAL INFILTRATION LOAD ESTIMATED BY DOORS AND OPENINGS								2,320	
PRODUCT LOADS									
Type		Weight (lb)	Enter Temp (°F)	Final Temperature (°F)		Pull Down (hrs)	Load (BTUH)		
General, Mixed Products, Approximation		624	0	-10		24	112		
TOTAL PRODUCT LOAD (lb)			Total Product Load				112		
MISCELLANEOUS LOADS									
Quantity	Description			Power	Units	Run Time (hrs)		Load (BTUH)	
	LIGHTING			1	W/ft²	24		266	
2	EVAPORATOR MOTORS			100	W	22		626	
TOTAL MISCELLANEOUS LOAD								892	
SYSTEM DESIGN SUMMARY									
Design Load (BTUH)	Safety Factor	Safety Load (BTUH)	Run Time (Hours)	Capacity Required (BTUH)	Refrigerant	Line Frequency (Hz)	Design TD (°F)	Line Loss (°F)	
4,964	10%	5,460	18	7,280	R448A	60	10	0.5	
SYSTEM EQUIPMENT SELECTION									
Equipment Type	Quantity	Model Number	Description			Voltage	RATING (BTUH)		
Condensing Units-Air	1	BEZA025L8-HT3D	EZ-Line Scroll Condensing Units-Air			208-230/3/60	8,798		
Evaporator	1	BLP211LE-S2D	Low Profile Evaporator			208-230/1/60	11,330		
SYSTEM BALANCE									
Condenser Ambient (°F)		Suction Temp (°F)		Evaporator TD (°F)		System Capacity (BTUH)			
95		-18.6		8.1		9,212			

PURCHASER:	SUBMITTED BY:			
PROJECT:	DATE: 11/22/2023			
ORDER #: -A00	ITEM #: 0			
QUOTE #:	ID #:			
PURCHASER'S PO#:	TAGGING:			
STANDARD FEATURES				
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <ul style="list-style-type: none"> • 3/8" Tubing coil construction (reduces refrigerant operating charge) • Adjustable pressure fan cycling control on 2 fan models only • Anti-short cycle time delay • Copper tubing secured with cushion clamps • Crankcase heater • Discharge line temperature sensor • Fan Guard • Fan motors are inherently protected with internal overloads </div> <div style="width: 33%;"> <ul style="list-style-type: none"> • Pre-formed piping • Receiver with fusible plug and liquid shut off valve • Suction Service valve • Adjustable flooded head pressure control (unless otherwise indicated) • Units are shipped with Helium holding charge • Weatherproof electrical control box with compressor contactor and fused control circuit </div> <div style="width: 33%;"> <ul style="list-style-type: none"> • Welded hermetic Scroll compressor • Adjustable low pressure control with flex hose / fixed high pressure control • High efficiency enhanced copper tube and aluminium fin coil design • Compatible with Low GWP Refrigerants • Outdoor weatherproof pre-painted steel cabinet </div> </div>				
MODEL OPTIONS				
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="vertical-align: top; width: 33%;"> OPTION PACKAGES <input checked="" type="checkbox"/> 1 Small B (Good@Warm/Moderate) <input type="checkbox"/> Small N (Better@Warm/Moderate) <input type="checkbox"/> Small P (Best@Warm/Moderate) <input type="checkbox"/> Small D (Good@Moderate/Cold) <input type="checkbox"/> Small J (Better@Moderate/Cold) <input type="checkbox"/> Small Q (Best@Moderate/Cold) <input type="checkbox"/> Small K <input type="checkbox"/> Small H <input type="checkbox"/> 115V Control Circuit ADJUSTABLE PRESSURE CONTROLS <input type="checkbox"/> Johnson Dual with flex hose <input type="checkbox"/> Separate High/Low <input type="checkbox"/> Separate High/Low: MAN Reset on HP BALL VALVE <input type="checkbox"/> Liquid Line (Shipped Loose) <input type="checkbox"/> Liquid Line (Factory Installed) <input type="checkbox"/> Suction Line (Shipped Loose) <input type="checkbox"/> Suction Line (Factory Installed) CAPACITY CONTROL - HOT GAS BYPASS <input type="checkbox"/> To Inlet of Evaporator <input type="checkbox"/> To Suction Line <input type="checkbox"/> Compressor Circuit Breaker CONDENSING UNIT PRISON PACKAGE <input type="checkbox"/> Tamper Proof Screws <input type="checkbox"/> Crankcase Pressure Regulator CONTACTORS <input type="checkbox"/> 30A Contactor <input type="checkbox"/> 40A Contactor <input type="checkbox"/> 60A Contactor </td> <td style="vertical-align: top; width: 33%;"> DEFROST KIT (USE W/KE2 EVAP EFF) <input type="checkbox"/> Up to 30A per Evap <input type="checkbox"/> 35A to 50A per Evap <input type="checkbox"/> Over 50A per Evap <input type="checkbox"/> Discharge Air Hood <input type="checkbox"/> Discharge Line Check Valve <input type="checkbox"/> Discharge Line Temperature Sensor DISCONNECT SWITCH <input type="checkbox"/> Fused <input type="checkbox"/> Non-Fused EC FAN MOTORS + SPEED CONTROLLER <input type="checkbox"/> SmartSpeed ELECTRONIC PRESSURE CONTROL <input type="checkbox"/> Low Pressure Control <input type="checkbox"/> High Pressure Control <input type="checkbox"/> Export Crating EXTENDED 4-YEAR COMPRESSOR WARRANTY <input type="checkbox"/> Copeland <input type="checkbox"/> Extended Leg Kit COIL COATING <input type="checkbox"/> E-Coat FIN MATERIAL <input type="checkbox"/> Gold Coat Fins <input type="checkbox"/> Copper Fins <input type="checkbox"/> Hail Guard for Condenser <input type="checkbox"/> Heated and Insulated Receiver HOUSING MATERIAL <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Insulated Suction Line </td> <td style="vertical-align: top; width: 33%;"> LIQUID LINE FILTER + SIGHT GLASS <input checked="" type="checkbox"/> 1 Sealed <input type="checkbox"/> Replaceable <input type="checkbox"/> Liquid Line Lock-Out Relay LIQUID LINE SOLENOID VALVE <input type="checkbox"/> Standard 230V Coil (Shipped Loose) <input type="checkbox"/> Standard 115V Coil (Shipped Loose) OIL SEPARATOR <input type="checkbox"/> With Oil Filter and Solenoid <input type="checkbox"/> One Time Pump Down <input type="checkbox"/> Oversized Receiver PHASE / VOLTAGE MONITOR <input type="checkbox"/> 3-Lead <input type="checkbox"/> 6-Lead (MotorSaver455) <input type="checkbox"/> Pump Down Toggle Switch <input type="checkbox"/> QuickVac Valves <input type="checkbox"/> Receiver Inlet Ball Valve <input type="checkbox"/> Single Point Electrical <input type="checkbox"/> Sub Cooling Circuit SUCTION ACCUMULATOR <input type="checkbox"/> With Heat Exchanger <input type="checkbox"/> Without Heat Exchanger SUCTION FILTER <input type="checkbox"/> Sealed Type <input type="checkbox"/> Replaceable Core TIME CLOCK <input type="checkbox"/> Paragon 8145 Style (Factory Installed) <input type="checkbox"/> 230V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> 115V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> Wind Guard <input type="checkbox"/> Less Flooding Valve(s) </td> </tr> </table>		OPTION PACKAGES <input checked="" type="checkbox"/> 1 Small B (Good@Warm/Moderate) <input type="checkbox"/> Small N (Better@Warm/Moderate) <input type="checkbox"/> Small P (Best@Warm/Moderate) <input type="checkbox"/> Small D (Good@Moderate/Cold) <input type="checkbox"/> Small J (Better@Moderate/Cold) <input type="checkbox"/> Small Q (Best@Moderate/Cold) <input type="checkbox"/> Small K <input type="checkbox"/> Small H <input type="checkbox"/> 115V Control Circuit ADJUSTABLE PRESSURE CONTROLS <input type="checkbox"/> Johnson Dual with flex hose <input type="checkbox"/> Separate High/Low <input type="checkbox"/> Separate High/Low: MAN Reset on HP BALL VALVE <input type="checkbox"/> Liquid Line (Shipped Loose) <input type="checkbox"/> Liquid Line (Factory Installed) <input type="checkbox"/> Suction Line (Shipped Loose) <input type="checkbox"/> Suction Line (Factory Installed) CAPACITY CONTROL - HOT GAS BYPASS <input type="checkbox"/> To Inlet of Evaporator <input type="checkbox"/> To Suction Line <input type="checkbox"/> Compressor Circuit Breaker CONDENSING UNIT PRISON PACKAGE <input type="checkbox"/> Tamper Proof Screws <input type="checkbox"/> Crankcase Pressure Regulator CONTACTORS <input type="checkbox"/> 30A Contactor <input type="checkbox"/> 40A Contactor <input type="checkbox"/> 60A Contactor	DEFROST KIT (USE W/KE2 EVAP EFF) <input type="checkbox"/> Up to 30A per Evap <input type="checkbox"/> 35A to 50A per Evap <input type="checkbox"/> Over 50A per Evap <input type="checkbox"/> Discharge Air Hood <input type="checkbox"/> Discharge Line Check Valve <input type="checkbox"/> Discharge Line Temperature Sensor DISCONNECT SWITCH <input type="checkbox"/> Fused <input type="checkbox"/> Non-Fused EC FAN MOTORS + SPEED CONTROLLER <input type="checkbox"/> SmartSpeed ELECTRONIC PRESSURE CONTROL <input type="checkbox"/> Low Pressure Control <input type="checkbox"/> High Pressure Control <input type="checkbox"/> Export Crating EXTENDED 4-YEAR COMPRESSOR WARRANTY <input type="checkbox"/> Copeland <input type="checkbox"/> Extended Leg Kit COIL COATING <input type="checkbox"/> E-Coat FIN MATERIAL <input type="checkbox"/> Gold Coat Fins <input type="checkbox"/> Copper Fins <input type="checkbox"/> Hail Guard for Condenser <input type="checkbox"/> Heated and Insulated Receiver HOUSING MATERIAL <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Insulated Suction Line	LIQUID LINE FILTER + SIGHT GLASS <input checked="" type="checkbox"/> 1 Sealed <input type="checkbox"/> Replaceable <input type="checkbox"/> Liquid Line Lock-Out Relay LIQUID LINE SOLENOID VALVE <input type="checkbox"/> Standard 230V Coil (Shipped Loose) <input type="checkbox"/> Standard 115V Coil (Shipped Loose) OIL SEPARATOR <input type="checkbox"/> With Oil Filter and Solenoid <input type="checkbox"/> One Time Pump Down <input type="checkbox"/> Oversized Receiver PHASE / VOLTAGE MONITOR <input type="checkbox"/> 3-Lead <input type="checkbox"/> 6-Lead (MotorSaver455) <input type="checkbox"/> Pump Down Toggle Switch <input type="checkbox"/> QuickVac Valves <input type="checkbox"/> Receiver Inlet Ball Valve <input type="checkbox"/> Single Point Electrical <input type="checkbox"/> Sub Cooling Circuit SUCTION ACCUMULATOR <input type="checkbox"/> With Heat Exchanger <input type="checkbox"/> Without Heat Exchanger SUCTION FILTER <input type="checkbox"/> Sealed Type <input type="checkbox"/> Replaceable Core TIME CLOCK <input type="checkbox"/> Paragon 8145 Style (Factory Installed) <input type="checkbox"/> 230V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> 115V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> Wind Guard <input type="checkbox"/> Less Flooding Valve(s)
OPTION PACKAGES <input checked="" type="checkbox"/> 1 Small B (Good@Warm/Moderate) <input type="checkbox"/> Small N (Better@Warm/Moderate) <input type="checkbox"/> Small P (Best@Warm/Moderate) <input type="checkbox"/> Small D (Good@Moderate/Cold) <input type="checkbox"/> Small J (Better@Moderate/Cold) <input type="checkbox"/> Small Q (Best@Moderate/Cold) <input type="checkbox"/> Small K <input type="checkbox"/> Small H <input type="checkbox"/> 115V Control Circuit ADJUSTABLE PRESSURE CONTROLS <input type="checkbox"/> Johnson Dual with flex hose <input type="checkbox"/> Separate High/Low <input type="checkbox"/> Separate High/Low: MAN Reset on HP BALL VALVE <input type="checkbox"/> Liquid Line (Shipped Loose) <input type="checkbox"/> Liquid Line (Factory Installed) <input type="checkbox"/> Suction Line (Shipped Loose) <input type="checkbox"/> Suction Line (Factory Installed) CAPACITY CONTROL - HOT GAS BYPASS <input type="checkbox"/> To Inlet of Evaporator <input type="checkbox"/> To Suction Line <input type="checkbox"/> Compressor Circuit Breaker CONDENSING UNIT PRISON PACKAGE <input type="checkbox"/> Tamper Proof Screws <input type="checkbox"/> Crankcase Pressure Regulator CONTACTORS <input type="checkbox"/> 30A Contactor <input type="checkbox"/> 40A Contactor <input type="checkbox"/> 60A Contactor	DEFROST KIT (USE W/KE2 EVAP EFF) <input type="checkbox"/> Up to 30A per Evap <input type="checkbox"/> 35A to 50A per Evap <input type="checkbox"/> Over 50A per Evap <input type="checkbox"/> Discharge Air Hood <input type="checkbox"/> Discharge Line Check Valve <input type="checkbox"/> Discharge Line Temperature Sensor DISCONNECT SWITCH <input type="checkbox"/> Fused <input type="checkbox"/> Non-Fused EC FAN MOTORS + SPEED CONTROLLER <input type="checkbox"/> SmartSpeed ELECTRONIC PRESSURE CONTROL <input type="checkbox"/> Low Pressure Control <input type="checkbox"/> High Pressure Control <input type="checkbox"/> Export Crating EXTENDED 4-YEAR COMPRESSOR WARRANTY <input type="checkbox"/> Copeland <input type="checkbox"/> Extended Leg Kit COIL COATING <input type="checkbox"/> E-Coat FIN MATERIAL <input type="checkbox"/> Gold Coat Fins <input type="checkbox"/> Copper Fins <input type="checkbox"/> Hail Guard for Condenser <input type="checkbox"/> Heated and Insulated Receiver HOUSING MATERIAL <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Insulated Suction Line	LIQUID LINE FILTER + SIGHT GLASS <input checked="" type="checkbox"/> 1 Sealed <input type="checkbox"/> Replaceable <input type="checkbox"/> Liquid Line Lock-Out Relay LIQUID LINE SOLENOID VALVE <input type="checkbox"/> Standard 230V Coil (Shipped Loose) <input type="checkbox"/> Standard 115V Coil (Shipped Loose) OIL SEPARATOR <input type="checkbox"/> With Oil Filter and Solenoid <input type="checkbox"/> One Time Pump Down <input type="checkbox"/> Oversized Receiver PHASE / VOLTAGE MONITOR <input type="checkbox"/> 3-Lead <input type="checkbox"/> 6-Lead (MotorSaver455) <input type="checkbox"/> Pump Down Toggle Switch <input type="checkbox"/> QuickVac Valves <input type="checkbox"/> Receiver Inlet Ball Valve <input type="checkbox"/> Single Point Electrical <input type="checkbox"/> Sub Cooling Circuit SUCTION ACCUMULATOR <input type="checkbox"/> With Heat Exchanger <input type="checkbox"/> Without Heat Exchanger SUCTION FILTER <input type="checkbox"/> Sealed Type <input type="checkbox"/> Replaceable Core TIME CLOCK <input type="checkbox"/> Paragon 8145 Style (Factory Installed) <input type="checkbox"/> 230V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> 115V Paragon 8145 Style (Shipped Loose) <input type="checkbox"/> Wind Guard <input type="checkbox"/> Less Flooding Valve(s)		
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><u>Notes:</u> † MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection</p> <p>MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.</p> <p>AWEF = 3.15 for R404A/R507/407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants</p> </div> <div style="width: 15%; text-align: center;"> APPROVALS <div style="border: 1px solid black; padding: 2px; display: inline-block;"> </div> </div> </div>				
APPROVED BY :	DATE :			
<p>Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.</p>				

PURCHASER:		SUBMITTED BY:	
PROJECT: Wylie Elementary		DATE: 11/22/2023	
ORDER #: -A00		ITEM #: 0	
QUOTE #:		ID #:	
PURCHASER'S PO#:		TAGGING:	
SELECTED OPTION DESCRIPTIONS			
<u>Option Packages, Small B (Good@Warm/Moderate)</u> LLFD+SG <u>Liquid Line Filter + Sight Glass, Sealed</u>		Sporlan C Series with ODF solder connections and Sporlan SA moisture indicator factory installed in liquid line.	
Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.			

PURCHASER:	SUBMITTED BY:
PROJECT:	DATE: 11/22/2023
ORDER #: -A00	ITEM #: 0
QUOTE #:	ID #:
PURCHASER'S PO#:	TAGGING:

DIMENSIONS SHOWN ARE FOR STANDARD UNIT LESS OPTIONS.



DIMENSIONS				FIELD CONNECTIONS				OTHER		
DIMENSION A	19 7/8 in	DIMENSION E		LIQUID	3/8 in	PAN LOOP		SHIPPING WEIGHT	335 lb	
DIMENSION B	36 3/8 in	DIMENSION F		SUCTION	7/8 in	HOT GAS SIDE PORT		REFRIGERANT CHARGE	6 lb	
DIMENSION C	30 3/8 in	DIMENSION G		DRAIN		HOT GAS INLET		RECEIVER CAPACITY	14 lb	
DIMENSION D	4 in	DIMENSION H		WATER		HOT GAS OUTLET		AWEF COMPLIANT	YES	
				DISCHARGE						
Voltage		SYSTEM REFRIGERANT		RATING		Suction Temp		Ambient Temp		CAPACITY
208-230/3/60		R448A		NaN		-20.5 °F		95 °F		8,798 BTUH
Fans			COMPRESSOR				CIRCUIT TOTAL			
QTY	Power	FLA/FAN	Type	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	240	1.1	ZF08K4E-TF5	1	9.6	63.0	10.7		13.1	20
LIQUID		3/8 in	SOUND		REC CAPACITY			14 lb	APPROVALS:	c(UL)us
SUCTION		7/8 in	WEIGHT	335 lb	REF CHARGE			6 lb		

Notes: † MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection
MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.
AWEF = 3.15 for R404A/R507/407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

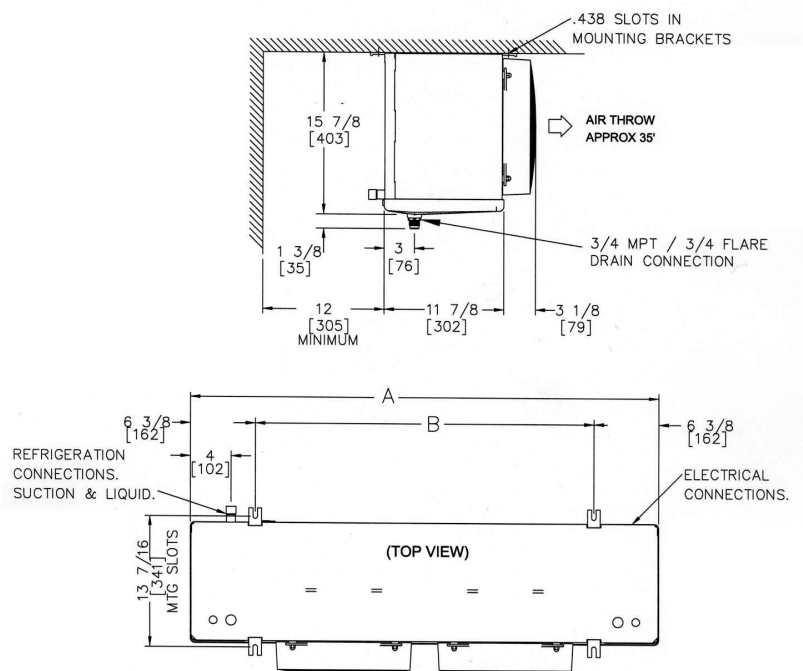
APPROVED BY :	DATE :
NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.	



PURCHASER:	SUBMITTED BY:
PROJECT:	DATE: 11/22/2023
ORDER #: -A00	ITEM #: 0
QUOTE #:	ID #:
PURCHASER'S PO#:	TAGGING:
STANDARD FEATURES	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <ul style="list-style-type: none"> • 3/8" Tubing coil construction (reduces refrigerant operating charge) • Factory installed solenoid valve wire harness • Heavy gauge textured aluminum cabinet construction resists scratches/corrosion • Spacious piping end compartment allows for easy assembly </div> <div style="width: 30%;"> <ul style="list-style-type: none"> • Hinged drain pan with central universal drain connection (3/4" drain) • Front access to spacious electrical and header compartments • Schrader connection on suction header • Attractive and durable high density polyethylene fan guards </div> <div style="width: 30%;"> <ul style="list-style-type: none"> • Ultra efficient Electronically Commutated Motor (ECM) • ECM with SmartSpeed Technology • High efficiency enhanced copper tube and aluminium fin coil design • 6 FPI • Unit Cooler is DOE/NRCAN compliant with R404A/R507/R448A/R449A/R407A </div> </div>	
MODEL OPTIONS	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PRE-ASSEMBLED EVAP</p> <p><input checked="" type="checkbox"/> SmartVap+ with EEV + Solvlv</p> <p><input type="checkbox"/> Sporlan TXV, LLSV,T-stat</p> <p><input type="checkbox"/> KE2 Evap Efficiency w/Sporlan TXV (Factory Installed)</p> <p><input type="checkbox"/> KE2 Evap Efficiency w/Sporlan EEV (Factory Installed)</p> <p><input type="checkbox"/> KE2 Evap Efficiency w/Sporlan TXV (Shipped Loose)</p> <p><input type="checkbox"/> KE2 Evap Efficiency w/Sporlan EEV (Shipped Loose)</p> <p><input type="checkbox"/> Aux Sideport Connector</p> <p>CABINET FINISH</p> <p><input type="checkbox"/> Painted White</p> <p><input type="checkbox"/> Stainless Steel</p> <p>SENSORS FOR CPC BOARDS</p> <p><input type="checkbox"/> Coil Temp Sensor</p> <p><input type="checkbox"/> Return Air Temp Sensor</p> <p>DEMAND DEFROST ELECTRONIC CONTROLLER</p> <p><input type="checkbox"/> KE2 Adaptive Control (Factory Installed)</p> <p><input type="checkbox"/> KE2 Adaptive Control (Shipped Loose)</p> <p><input type="checkbox"/> KE2 Therm Evaporator Efficiency (Factory Installed)</p> <p><input type="checkbox"/> KE2 Therm Evaporator Efficiency (Shipped Loose)</p> </div> <div style="width: 30%;"> <p><input type="checkbox"/> Dual Circuit</p> <p>ELECTRONIC CONTROLLER</p> <p><input checked="" type="checkbox"/> SmartVap+ Control Board and Display (Factory Installed)</p> <p>EXPANSION VALVE</p> <p><input type="checkbox"/> Sporlan TXV</p> <p><input type="checkbox"/> Sporlan EEV</p> <p><input checked="" type="checkbox"/> EEV for SmartVap+</p> <p>EVAPORATOR PRISON PACKAGE</p> <p><input type="checkbox"/> Tamper Proof Screws</p> <p><input type="checkbox"/> Export Crating</p> <p>COIL COATING</p> <p><input type="checkbox"/> E-Coat</p> <p>FIN MATERIAL</p> <p><input type="checkbox"/> Gold Coat Fins</p> <p><input type="checkbox"/> Copper Fins</p> <p><input type="checkbox"/> Insulated Drain Pan</p> <p>KE2 THERM</p> <p><input type="checkbox"/> CAT5e Shielded Cable - 50ft w/connectors (Shipped Loose)</p> <p><input type="checkbox"/> Temp Sensors for Shipped Loose Controller</p> <p><input type="checkbox"/> Ethernet Adapter Kit</p> <p><input type="checkbox"/> Remote Combo Display (Shipped Loose)</p> <p>LIQUID / SUCTION HEAT EXCHANGER</p> <p><input type="checkbox"/> (Shipped Loose)</p> </div> <div style="width: 30%;"> <p>LIQUID LINE SOLENOID VALVE</p> <p><input checked="" type="checkbox"/> Sporlan (Factory Installed)</p> <p><input type="checkbox"/> Dual Voltage Coil 120-230V Field Wired</p> <p><input type="checkbox"/> Nitrogen Charged and Sealed</p> <p>ROOM THERMOSTATS</p> <p><input type="checkbox"/> Mechanical (Factory Installed)</p> <p><input type="checkbox"/> Mechanical (Shipped Loose)</p> <p><input type="checkbox"/> Johnson A19ABC (Shipped Loose)</p> <p><input type="checkbox"/> Johnson A421ABC-02C (Shipped Loose)</p> <p><input type="checkbox"/> Johnson A421ABC-02 (Factory Installed)</p> <p><input type="checkbox"/> Wire Fan Guards</p> <p>REMOTE DEFROST PANEL</p> <p><input type="checkbox"/> 230V Control (Shipped Loose)</p> <p><input type="checkbox"/> 115V Control (Shipped Loose)</p> <p>INSTALLATION REQUIREMENTS</p> <p><input checked="" type="checkbox"/> Minimum slope of 1" per foot on all drain lines</p> <p><input checked="" type="checkbox"/> P-trap per evap required outside of box</p> <p><input checked="" type="checkbox"/> Insulated drain line requires heat - 20W/ft</p> <p>USED WITH MECHANICAL SUBCOOLER</p> <p><input type="checkbox"/> Circuit for sub-cooled Liquid - note temperature</p> </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><u>Notes:</u> † MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection</p> </div> <div style="width: 15%; text-align: center;"> <p>APPROVALS</p> <div style="display: flex; justify-content: space-around;"> </div> </div> </div>	
APPROVED BY :	DATE :
<p>Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.</p>	

PURCHASER:		SUBMITTED BY:	
PROJECT: Wylie Elementary		DATE: 11/22/2023	
ORDER #: -A00		ITEM #: 0	
QUOTE #:		ID #:	
PURCHASER'S PO#:		TAGGING:	
SELECTED OPTION DESCRIPTIONS			
<u>Pre-assembled Evap. SmartVap+ with EEV + Solvly</u> Electronic evaporator control complete with EEV, controller, digital display and solenoid valve <u>Electronic Controller, SmartVap+ Control Board and Display (Factory Installed)</u> <u>Expansion Valve, EEV for SmartVap+</u> <u>Liquid Line Solenoid Valve, Sporlan (Factory Installed)</u> Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.		<u>Installation Requirements, Minimum slope of 1" per foot on all drain lines</u> Bally recommends a minimum slope of 1" per foot on all drain lines. <u>Installation Requirements, P-trap per evap required outside of box</u> All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface. <u>Installation Requirements, Insulated drain line requires heat - 20W/ft</u> Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.	
Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.			

PURCHASER:	SUBMITTED BY:
PROJECT:	DATE: 11/22/2023
ORDER #: -A00	ITEM #: 0
QUOTE #:	ID #:
PURCHASER'S PO#:	TAGGING:

DIMENSIONS SHOWN ARE FOR STANDARD UNIT LESS OPTIONS.



DIMENSIONS				FIELD CONNECTIONS				OTHER		
DIMENSION A	46 1/4 in	DIMENSION E		DISTRIBUTOR	3/8 in	PAN LOOP		SHIPPING WEIGHT		84 lb
DIMENSION B	33 1/4 in	DIMENSION F		SUCTION	7/8 in	HOT GAS SIDE PORT		REFRIGERANT CHARGE		3 lb
DIMENSION C		DIMENSION G		DRAIN	3/4 in	HOT GAS INLET		RECEIVER CAPACITY		
DIMENSION D		DIMENSION H		WATER		HOT GAS OUTLET		AWEF COMPLIANT		YES
				DISCHARGE						
Voltage		SYSTEM REFRIGERANT		AIR FLOW		Evap temperature		Box Temperature		CAPACITY
208-230/1/60		R448A		1,360 CFM		-20 °F		-10 °F		11,330 BTUH
Fans			HEATERS			CIRCUIT TOTAL				
QTY	Power	FLA/FAN	Type		QTY	AMPS	AMPS	WATTS	MCA†	MOP‡
2	0.07 HP	0.6					1.2	120.0	1.4	15
			DEFROST HTRS			8.2		1890.0	10.3	15
DISTRIBUTOR		3/8 in	SOUND		REC CAPACITY			APPROVALS:		
SUCTION		7/8 in	WEIGHT		REF CHARGE		3 lb			

Notes: † MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection

APPROVED BY :	DATE :
<p>NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.</p>	