HENDERSON ENGINEERS

SUBMITTAL REVIEW COMMENTS

PROJECT	Optum 3PL - Etna, OH
PROJECT NO	2350003250
DATE	12/14/2023
SUBMITTAL	RTUs 10 through 22
SUBMITTAL NO	237413-1 - Rev 1
REVIEWER	RCF
HENDERSON NO	M003R1

RTU-22 PAGE 22

☒Approved ☐Approved as Corrected	Fabrication and/or installation may be undertaken. Approval does not authorize changes to the contract sum or contract time.
☐Revise and Resubmit ☐Rejected	Fabrication and/or installation may not be undertaken. In resubmitting, limit corrections to items marked.
☐No Action Taken	Submittal either not required for this item or provided for information only. Contract requirements should be followed in all cases.

Review/approval neither extends nor alters any contractual obligations of the Engineer or Contractor. Checking of submittals is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the general requirements of the plans and specifications. Contractor is responsible for dimensions, quantities, and coordination between trades and for coordinating approved items and accepted alternates.

HENDERSON ENGINEERS, INC.

ACTION CODES

1	2	3	4	5	6
Approved	Approved as Corrected	Revise & Resubmit Items Noted	Rejected	Not Reviewed	For Information Only

(Action Item Codes 1, 2, 5 or 6 are not to be resubmitted.)

COMMENT #	ACTION CODE	DESCRIPTION	COMMENTS
1	6	General	• Coordinate final installed weight with structural engineer.
2	1	RTU 10-21	• No exceptions taken.
3	1	RTU 22	• No exceptions taken.

Note: *Henderson's processing of these submittals does not relieve other members of the design and construction team from reviewing submittals for coordination, compliance and performance or reviewing submittals as outlined in the contract documents or both.*

Pepper Construction
Tomorrow Transformed

CBRE

Optum Phase II – 3PL

Project 2301043

Submittal 237413.001 R1 – RTUs 10 through 22

RTUs 10-21 submitted for record, RTU 22 revised per previous review comments

Architectural Approval Stamp & Comments	Engineer Approval Stamp & Comments	Pepper Construction Approval Stamp & Comments
		Pepper Construction Tomorrow Transformed ☐ REVIEWED FOR APPROVAL ☑ REVIEWED AS NOTED FOR APPROVAL ☐ FOR RECORD Review of this shop drawing does not relieve the Architect, Engineer or Subcontractor of their contractual design responsibilities. Pepper Construction's review is not, nor is it responsible for, an engineering or architectural analysis of design elements, load or dimension calculations, or similar matters. The Subcontractor is responsible to furnish additional material or work as required by the Contract and review of these documents, as well as dimensions to be confirmed and correlated at the job site. JOB: 2201433 BY: schleicherc DATE: 12/1/2023 SUBMITTAL# 237413.001 Rev # 01

Notes & Comments:

Submittal Cover Sheet

Optum RX Phase 3

8940 Global Way
Etna, OH 43062

Architect: N/A

Engineer: N/A

HVAC: Perfection Group, Inc.

Item: RTU cut sheet submittal

Spec. No. _____

Perfection Group
Delivering Legendary Service Since 1951

X Approved as Submitted
__ Approved as Noted
__ Revise and Resubmit
Job # 23059
Date: 12-1-23 revised

Signed: Eric J. Rice
Eric J. Rice

Resubmittal Submittal

Prepared For:
Perfection Group Inc.

Date: November 30, 2023

Job Name: Perfection - Optum Phase 3

Trane U.S. Inc. is pleased to provide the following submittal for your review and approval.

Product Summary

Qty	Product
13	6- 25 Ton PKGD Precedent Unitary Rooftops

Alex Helsinger – Trane U.S. Inc.
10300 Springfield Pike
Cincinnati, OH 45215
Office Phone: (513) 771-8884

The attached information describes the equipment we propose to furnish for this project and is submitted for your approval.

Submittal acceptance and return is a critical step, so please ensure submittals are returned with approval to release to production within 14 days of submittal date.

Product performance and submittal data is valid for a period of 6 months from the date of submittal generation. If six months or more has elapsed between submittal generation and equipment release, the product performance and submittal data will need to be verified. It is the customer's responsibility to obtain such verification.

NOTES per returned Submittal 11/30/2023:

1. RH Sensors are combination temp and humidity for RTU-10 thru RTU-21
2. RTU-22 Revised to Ultra High Efficiency with variable speed compressor
    a. The MCA and MOCP on the schedule is 33/45 A which would align with a High Efficiency unit. The ultra high efficiency unit has an MCA/MOCP of 41/60 A
    b. The ultra High Efficiency cabinet is larger than the High Efficiency THJ cabinet. Scheduled weight is 1344 lbs and new weight is 2074 lbs.
3. RTU-22 ESP revised from 1.4 to 1.5 inch ESP per plans
4. RTU-22 Wall Mounted RH Sensors revised to Wall mount Temp Sensor

Table of Contents

Tag Data - 6- 25 Ton PKGD Precedent Unitary Rooftops (Qty: 13)

Item	Tag(s)	Qty	Description	Model Number
A1	RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21	12	6- 25 Ton PKGD Precedent Unitary Rooftop	YSJ240A4S0M**D0D0A1A1A000000000000000000
A2	RTU-22	1	6- 25 Ton PKGD Precedent Unitary Rooftop	TZJ150A4S00**D4E0A1A10004000000000000000

Product Data - 6- 25 Ton PKGD Precedent Unitary Rooftops

All Units

R-410A
460/60/3
Symbio 700
Economizer, DB with Barometric Relief
Through the Base Electric
Non-Fused Disconnect Switch
Unpowered 20A Convenience Outlet
Advanced Controls and BACnet BAS

Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

DX Cooling / Gas Heat
Standard Efficiency
20 Ton
Medium Gas Heat
Standard Access Panels with 2-in MERV 13 Filter
Modulating Hot Gas Reheat (HGRH)
14" Full Perimeter Knockdown Curb (Field Installed)
Humidity wall mounted sensor (Field Installed)

Item: A2 Qty: 1 Tag(s): RTU-22

DX Cooling
Ultra High Efficiency
12.5 Ton
Multiple Zone Variable Air Volume with Standard Motor
Hinged Access Panels with 2-in MERV 13 Filter
CFS and FFS and COS
Room sensor with override button (Field Installed)

Performance Data - 6- 25 Ton PKGD Precedent Unitary Rooftops (PREC)

Tags	RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21	RTU-22
Cooling Entering Dry Bulb (F)	77.30	81.00
Cooling Entering Wet Bulb (F)	63.00	65.00
Summer Ambient (F)	95.00	95.00
Entering Dry Bulb (in HGRH) (F)	73.00	73.00
Entering Wet Bulb (in HGRH) (F)	64.00	64.00
Ambient (In HGRH) (F)	70.00	70.00
Heating Entering Air Temperature (F)	58.00	-
Design Airflow (cfm)	6700	4600
Airflow Application	Downflow	Downflow
Design ESP (in H2O)	0.500	1.500
Fan Pressurized (in H2O)	1.296	1.872
Total SP (in H2O)	0.906	1.698
Elevation (ft)	0.00	0.00
Gross Total Capacity (MBh)	225.11	147.28
Gross Sensible Capacity (MBh)	182.24	126.08
Gross Latent Capacity (MBh)	42.87	21.20
Net Total Capacity (MBh)	219.53	142.74
Net Sensible Capacity (MBh)	176.66	121.54
Net Sensible Heat Ratio (%)	80.00	85.00
Coil LAT DB (F)	51.63	54.45
Coil LAT WB (F)	51.11	54.07
Cooling Leaving Unit Dry Bulb (F)	53.18	55.96
Cooling Leaving Unit WB (F)	51.80	54.70
Fan Motor Heat (MBh)	0.93	0.75
Dew Point Temperature (F)	50.74	53.82
Refrigerant charge (HFC-410A) - Ckt 1 (lb)	17.2	15.9
Saturated Discharge Temperature (F)	119.96	120.75
Saturated Suction Temperature (F)	44.12	48.79
Heat Static Pressure Adj (in H2O)	-0.007	0.000
Component SP Add (in H2O)	0.413	0.198
Max Available ESP (in H2O)	1.594	1.802
Supply Motor Horsepower (hp)	3.000	3.000
Supply Operating Horsepower (hp)	2.290	2.410
Supply RPM (rpm)	1207	1241
Compressor Power (kW)	17.62	12.75
System Power (kW)	23.94	11.29
EER @ AHRI (Number)	9.80	14.40
IEER @ AHRI (Number)	13.00	26.30
MCA (A)	54.00	41.00
MOP (A)	70.00	60.00
Compressor 1 RLA (A)	21.30	21.30
Compressor 2 RLA (A)	12.20	0.00
Condenser Fan FLA (A)	2.20	5.00
Evaporator Fan FLA (A)	4.60	4.60

Tags	**RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21**	**RTU-22**
Heating Input Capacity (MBh)	320.00	-
Output Heating Capacity (MBh)	259.20	-
Heating Leaving Air Temperature (F)	92.95	-
Heating Temperature Rise (F)	34.95	-
Height (ft)	4.92	5.50
Width (ft)	7.25	7.25
Length (ft)	10.25	10.25
Approx Installed Weight (lb)	2479.0	2074.0
Corner weight A (lb)	754.0	589.0
Corner Weight B (lb)	516.0	493.0
Corner Weight C (lb)	337.0	382.0
Corner Weight D (lb)	493.0	457.0
Center of Gravity - Length (ft)	4.17	4.67
Center of Gravity - Width (ft)	2.83	3.17
Leaving dry bulb w HGRH (F)	79.07	-
Temperature Rise (HGRH) (F)	26.33	-
HGRH Capacity (MBh)	192.76	-
Dew Point Temperature (HGRH) (F)	50.37	-
Reheat Coil LAT DB (HGRH) (F)	78.18	-
Reheat Coil LAT WB (HGRH) (F)	61.35	-
Moisture Removal Rate (HGRH) (gph)	10.60	-
Evap Coil LAT DB (HGRH) (F)	51.84	-
Evap Coil LAT WB (HGRH) (F)	51.00	-
Heat pump heating ambient temperature (F)	47.00	47.00
Heat pump heating ambient relative humid (%)	70.00	70.00
Supply Fan Count (Number)	2.00	2.00

Mechanical Specifications - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1, A2 Qty: 13 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21, RTU-22

General
- Packaged rooftop units cooling, heating capacities, and efficiencies are AHRI Certified within scope of AHRI Standard 210-240 for 6 to 25 Tons and ANSIZ21.47 and 10 CFR Part 431 pertaining to Commercial Warm Air Furnaces (all gas heating units).
-Convertible airflow.
-Symbio controls operating range is from 0-125.0 F from factory; if designing for cooling mode operation below 40.0 F ambient temp, add low ambient kit to assure continuous and reliable operation.
-Factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to check cooling operation, fan and blower rotation, and control sequence before leaving the factory.
-Colored and numbered wiring internal to the unit for simplified identification.
-Units cULus listed and labeled, classified in accordance for Central Cooling Air Conditioners.

General - eFlex
- Packaged rooftop units cooling, heating capacities, and efficiencies are AHRI Certified within scopeof AHRI Standard 210-240 for 6 to 25 Tons and ANSIZ21.47 and 10 CFR Part 431 pertaining toCommercial Warm Air Furnaces (all gas heating units).
- Convertible airflow.
- Symbio controls operating range between 40.0 F and 125.0 F in cooling mode standard from thefactory. Factory or field-installed low ambient kit extended operating range down to 0F.
- Factory assembled, internally wired, fully charged with R-410A, and 100 percent run tested to checkcooling operation, fan and blower rotation, and control sequence before leaving the factory.
- Colored and numbered wiring internal to the unit for simplified identification.
- Units cULus listed and labeled, classified in accordance for Central Cooling Air Conditioners.

Casing
-Zinc coated, heavy gauge, galvanized steel.
-Weather resistant pre-painted metal with galvanized substrate.
-Meets ASTM B117, 672 hour salt spray test.
-Removable single side maintenance access panels.
-Lifting handles in maintenance access panels (can be removed and reinstalled by removing fasteners while providing a water and air tight seal).
-Exposed vertical panels and top covers in the indoor air section insulated with a cleanable foil-faced, fire-retardant permanent, odorless glass fiber material.
-Base pan shall have no penetrations within the perimeter of the curb other than the raised 1 inch high downflow supply/return openings to provide an added water integrity precaution, if the condensate drain backs up.
-Base of the unit insulated with 1/8 inch, foil-faced, closed-cell insulation.
-Unit base provisions for forklift and/or crane lifting on three sides of unit.

Hail Guards
-Provides condenser coil protection.

Powered or Unpowered Convenience Outlet
-Powered GFCI, 120V/15A, 2 plug, convenience outlet or unpowered GFCI, 120V/20A, 2 plug, convenience outlet.
-When convenience outlet is powered, a service receptacle disconnect will be available.
-Convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker.
-Available to order when through-the-base electrical with disconnect switch or circuit breaker option is ordered.

Microchannel Coils
-Optimal heat transfer performance due to flat, streamlined tubes with small ports, and metallurgical tube-to-fin bond.
-Reduce system refrigerant charge by up to 50% leading to better compressor reliability.
-Compact all-aluminum microchannel coils reduce the unit weight.
-Recyclable all aluminum coils All aluminium construction minimizes galvanic corrosion.
-Strong aluminum brazed structure provides better fin protection.
-Flat streamlined tubes more dust resistant and easy to clean.
-Coils leak tested at the factory to ensure the pressure integrity.

Compressors
-All units have direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps.
-Suction gas-cooled motor with voltage utilization range of plus or minus 10 percent of unit nameplate voltage.
-Internal overloads standard with scroll compressors.
-All units have dual compressors.
-Three stages of cooling available on 6 to 17.5 tons units and four stages of cooling available on 20 and 25 tons units.

Compressors - eFlex
- All units have variable speed compressor matched with variable frequency drive that modulates thespeed of the compressor motor and provides several compressor protection functions.
- Permanent magnet motor with voltage utilization range of plus or minus 10 percent of unitnameplate voltage.
- Crankcase heaters sized to minimize the amount liquid refrigerant present in the oil sump during offcycles are standard on all compressors
- Single variable speed compressors in 12.5 and 15 ton units. Manifolded variable and fixed speedcompressors in 17.5 to 25 ton units
- Variable speed modulation to 15 Hz equating to 25 percent or less of full capacity
- Control of the eFlex system is integrated with the Symbio 700 unit controller to ensure optimalequipment reliability and performance.

Filters
Two inch pleated media filters shall be available on all models.

Frostat
-Utilized as a safety device.
-Opens to prevent freezing temperatures on evaporator coil.
-Temperature will need to rise to 50°F before closing.
-Utilized in low airflow or high outside air applications (cooling only).

Gas Heating Section
-The heating section shall have a progressive tubular heat exchanger with corrosion-resistant aluminized steel tubes and burners as standard on all models.
-Stainless steel heat exchanger with 409 stainless steel tubes and 439 stainless steel burners shall be optional.
-Induced draft combustion blower shall be used to pull the combustion products through the firing tubes.
-Heater shall use a direct spark ignition (DSI) system.
-On initial call for heat, the combustion blower shall purge the heat exchanger for 20 seconds before ignition.
-After three unsuccessful ignition attempts, entire heating system shall be locked out until manually reset at the thermostat/zone sensor.
-Units shall be suitable for use with natural gas or propane (field-installed kit).

Heat Exchanger
-Compact cabinet features a tubular heat exchanger in low, medium and high heat capacities.
-Corrosion-resistant aluminized steel tubes and burners are standard on all models.
-Induced draft blower to pull the gas mixture through the burner tubes.
-Direct spark ignition and a flame sensor as a safety device to validate the flame.

Indoor Fan
- Direct drive plenum fan design - 6 to 25 tons units.
- Plenum fan design - backward-curved fan wheel along with an external rotor direct drive variable speed indoor motor.
- Supply fan speed adjustments can be made using the Symbio 700 or Mobile App.
- Motors are thermally protected.
- Variable speed direct drive motors are high efficiency - 6 to 25 tons.

Indoor Fan - eFlex
- Direct drive plenum fan design.
- Plenum fan design - backward-curved fan wheel along with an external rotor direct drive variablespeed indoor motor.
- Supply fan speed adjustments can be made using the Symbio 700 or Mobile App.
- Motors are thermally protected.
- Variable speed direct drive motors are high efficiency.

Roof Curb

-Designed to mate with the unit?s downflow supply and return.
-Provide support and a water tight installation when installed properly.
-Shall allow field-fabricated rectangular supply/return ductwork to be connected directly to the curb.
-Curb shall be shipped knocked down for field assembly.
-Shall include wood nailer strips.

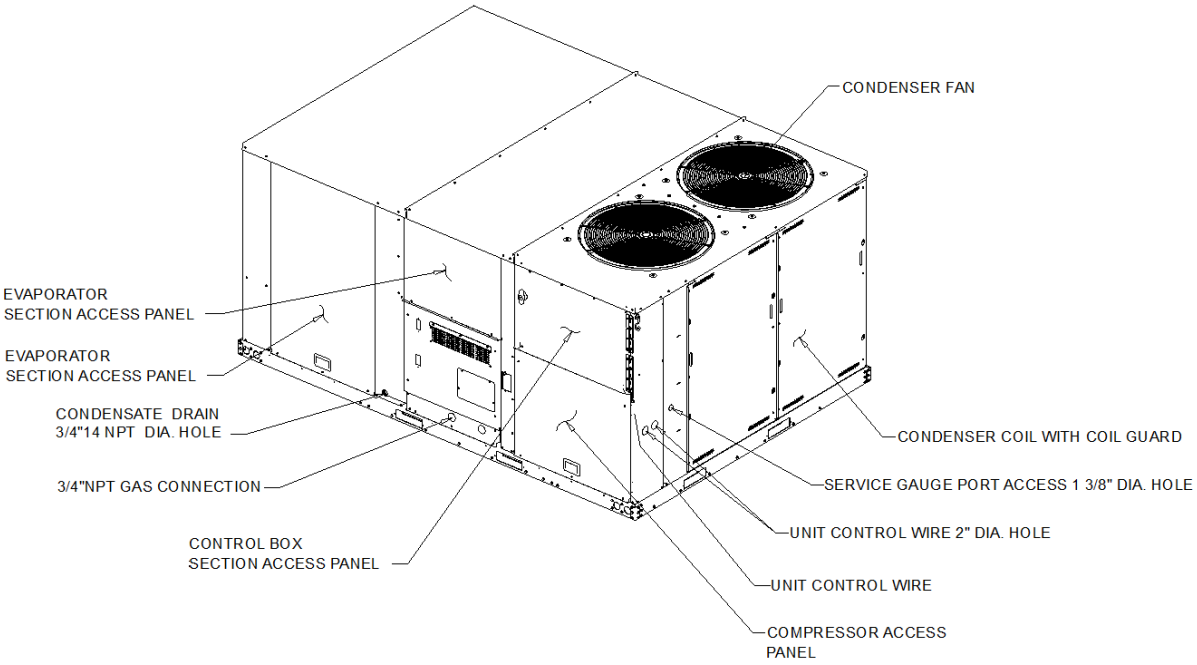
Through-the-Base Electrical with Disconnect Switch
-3-pole, molded case, disconnect switch with provisions for through-the-base electrical connections.
-Disconnect switch installed within unit in a water tight enclosure.
-Wiring provided from the switch to the unit high voltage terminal block.
-Switch cULus agency recognized.
Note: Disconnect switch sized per NEC and cULus guidelines but will not be used in place of unit overcurrent protection.

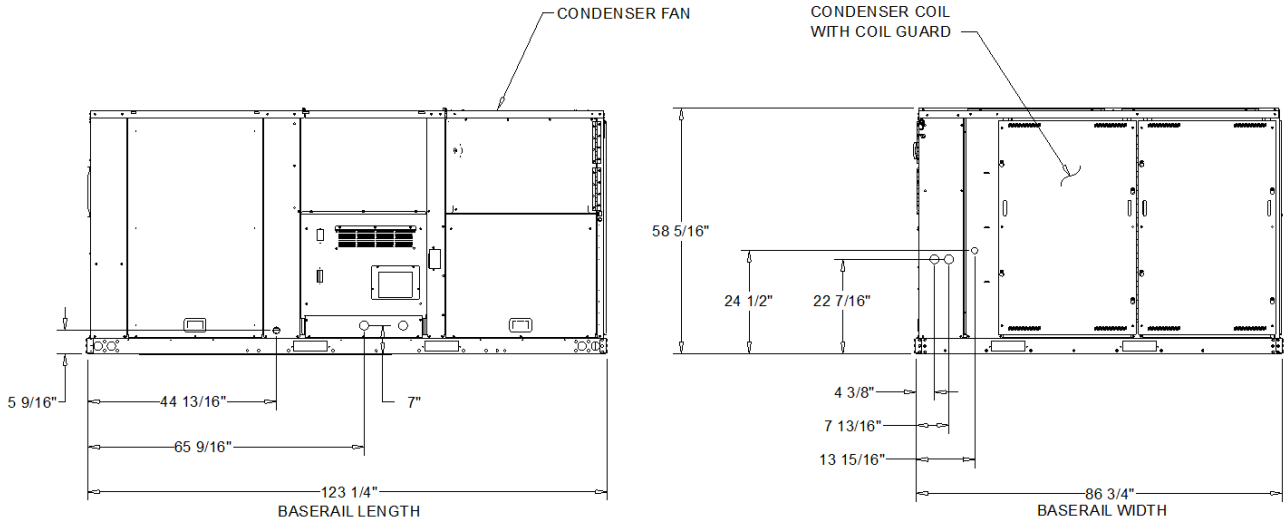
Economizer (Standard)
-Available with or without barometric relief.
-Fully modulating 0-100 percent motor and dampers, minimum position setting, preset linkage, wiring harness with plug, spring return actuator and fixed dry bulb control.
-Barometric relief shall provide a pressure operated damper that shall be gravity closing.
-Barometric relief shall prohibit entrance of outside air during the equipment ?off? cycle.
-Optional solid state or differential enthalpy control.
-Arrives in shipping position and shall be moved to the operating position by the installing contractor.

Reference or Comparative Enthalpy
-Reference enthalpy used to measure and communicate outdoor humidity.
-Unit receives and uses information to provide improved comfort cooling while using the economizer.
-Comparative enthalpy measures and communicates humidity for both outdoor and return air conditions, and return air temperature.
-Unit receives and uses information to maximize use of economizer cooling, and to provide maximum occupant comfort control.
-Reference or comparative enthalpy available when a factory or field installed downflow economizer ordered.

Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

NOTES:
1. THRU -THE -BASE ELECTRICAL IS NOT STANDARD ON ALL UNITS.
2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION

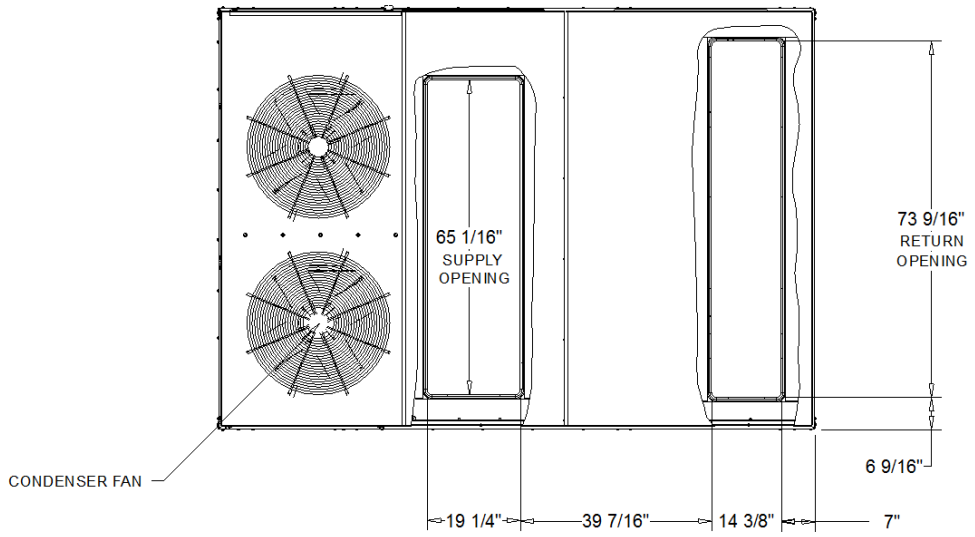




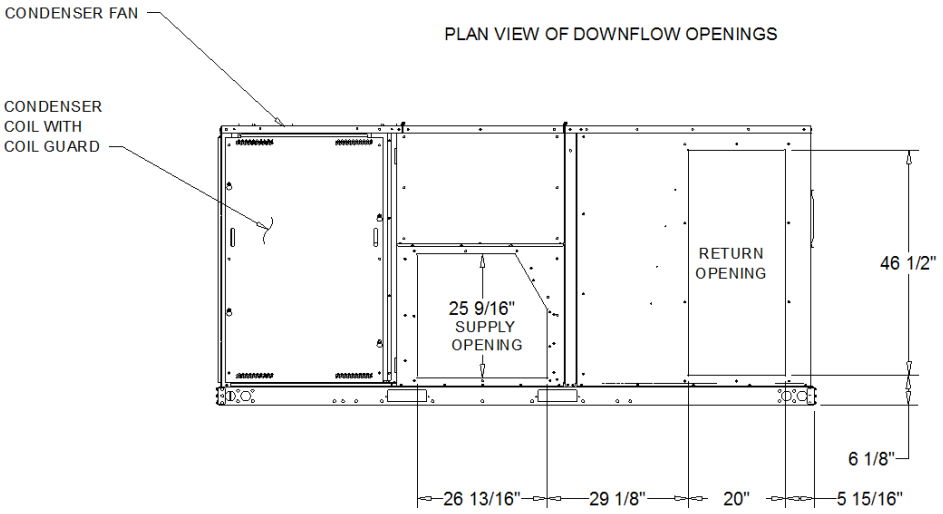
DX COOLING / GAS HEAT STANDARD EFFICIENCY

DIMENSION DRAWING

Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21



PLAN VIEW OF DOWNFLOW OPENINGS

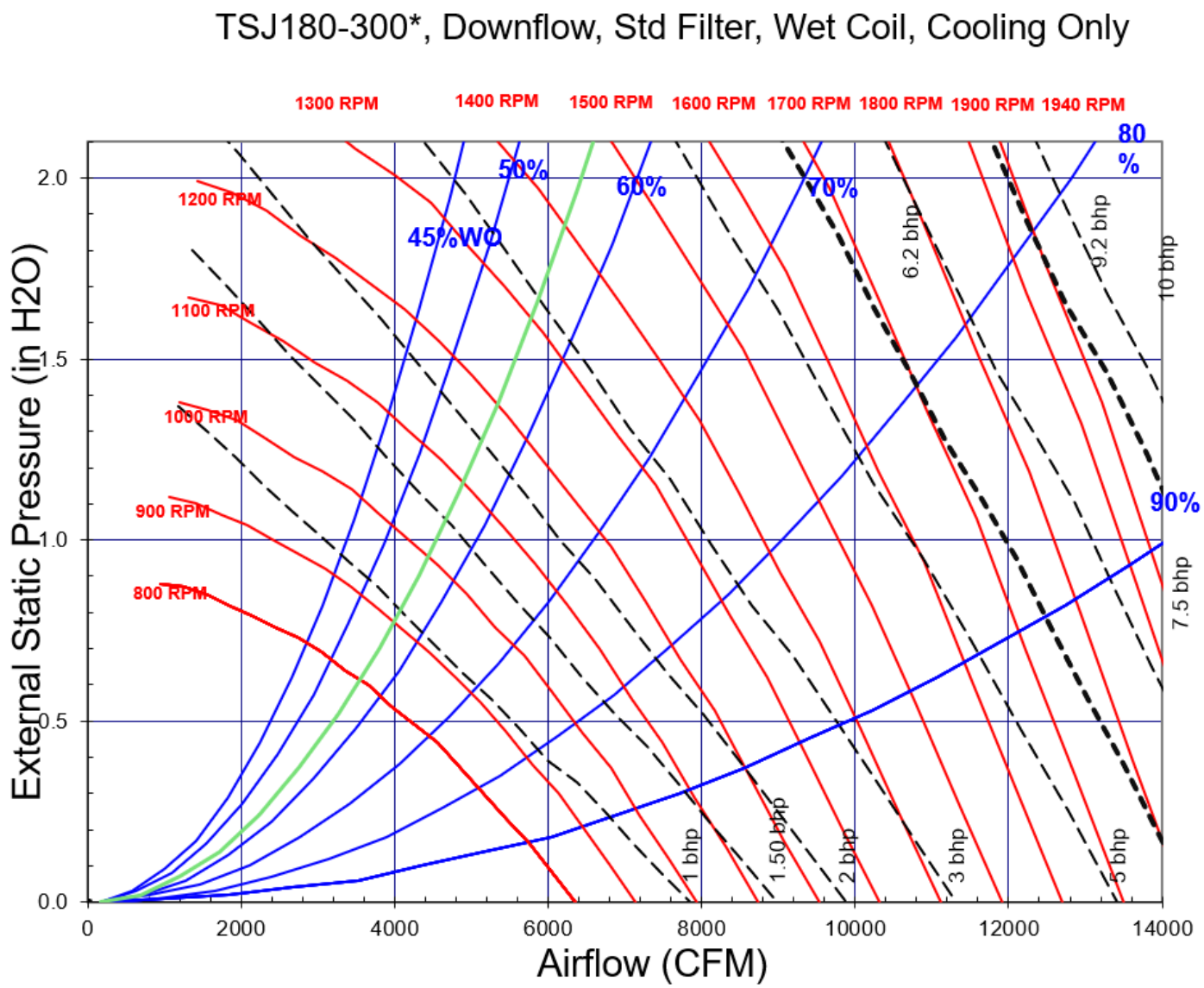


HORIZONTAL AIR FLOW OPENING

DX COOLING / GAS HEAT STANDARD EFFICIENCY

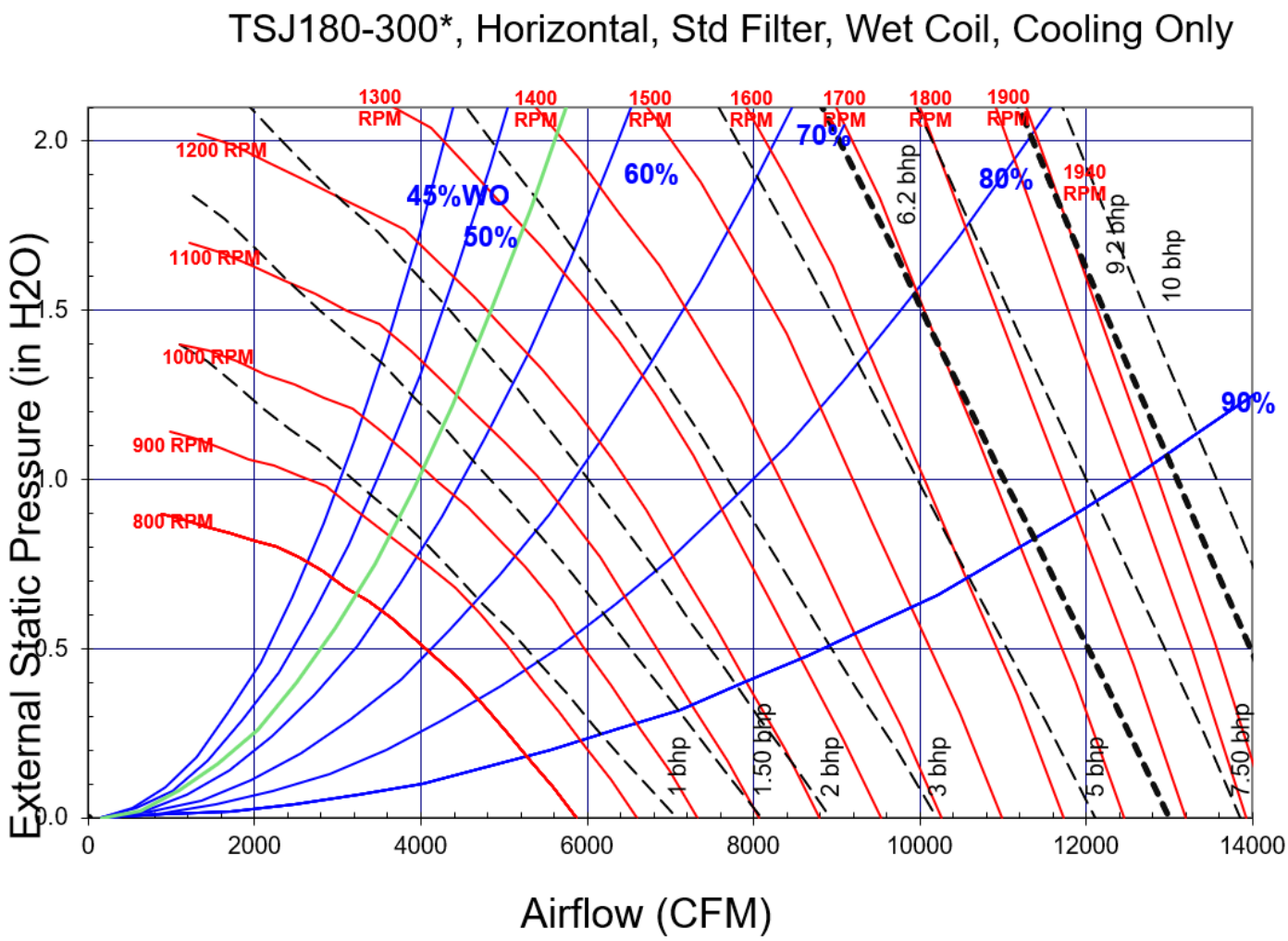
DIMENSION DRAWING

Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21



Note: Fan Curves are for TSJ/WSJ units. For YSJ units, add additional static pressure for Gas Heat Exchanger (ref. RT-PRC098*, table 47)

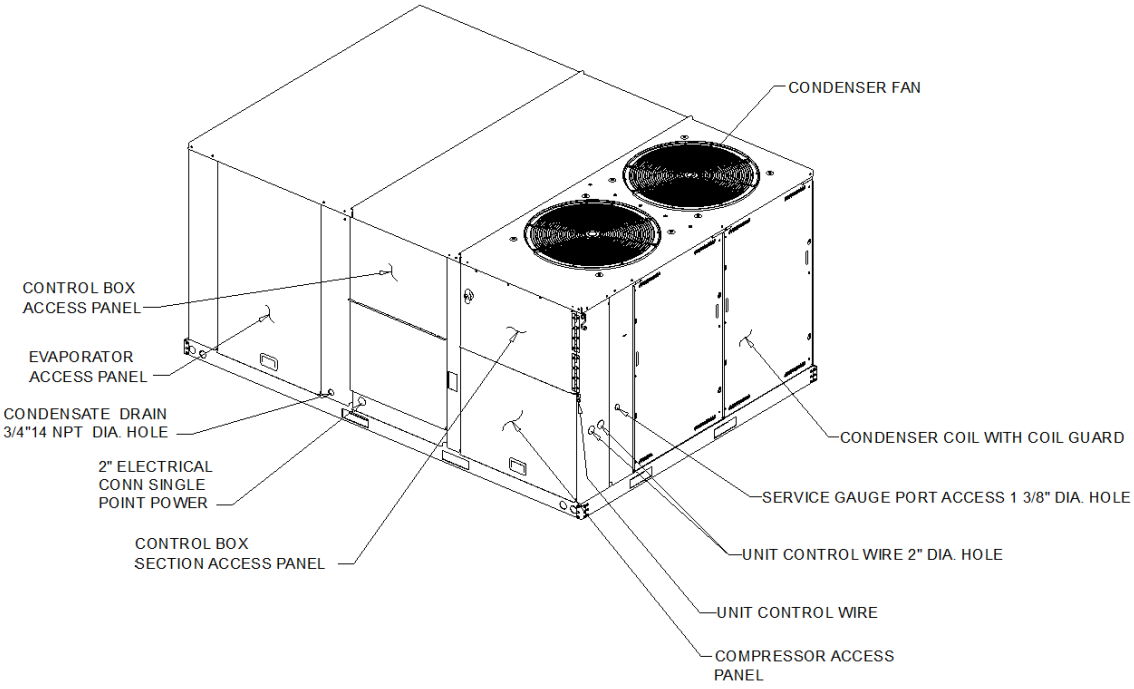
Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

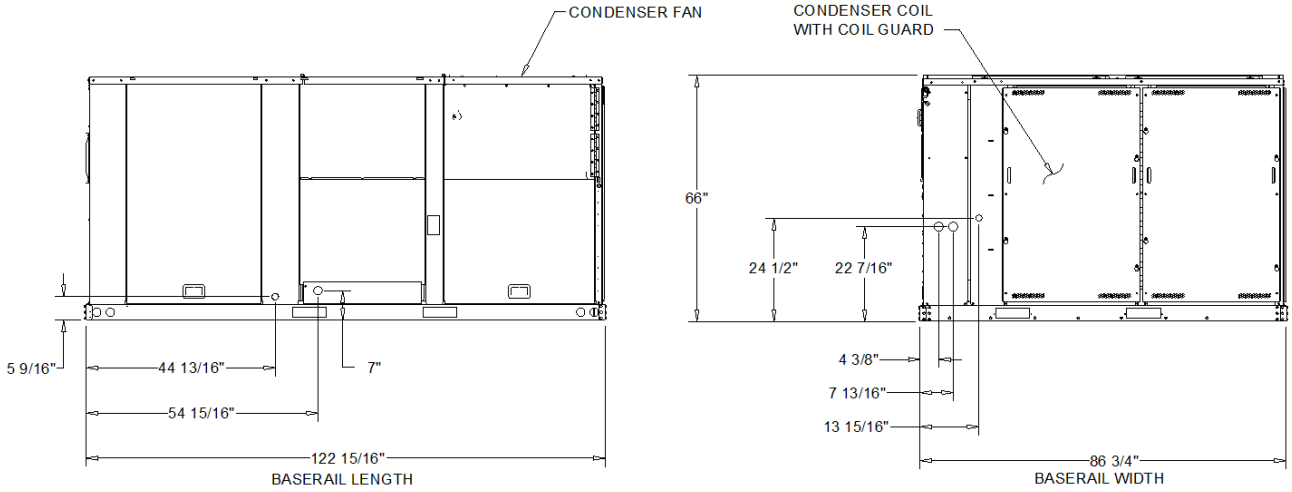


Note: Fan Curves are for TSJ/WSJ units. For YSJ units, add additional static pressure for Gas Heat Exchanger (ref. RT-PRC098*, table 47)

Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 Tag(s): RTU-22

NOTES:
1. THRU -THE -BASE ELECTRICAL IS NOT STANDARD ON ALL UNITS.
2. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION

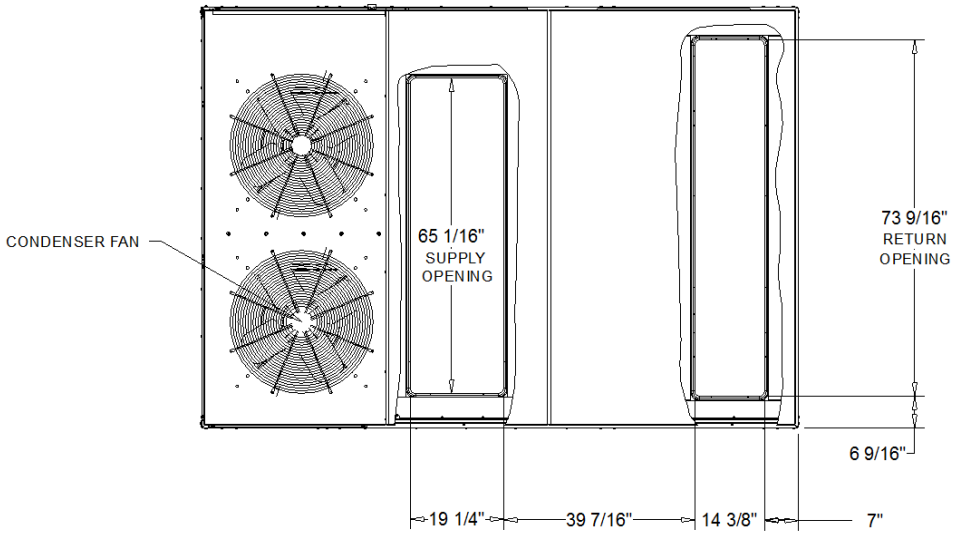




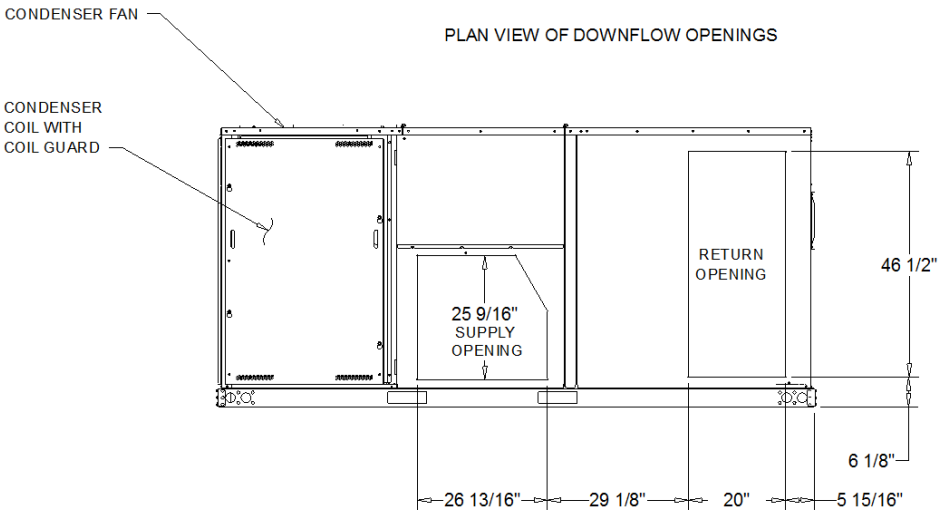
DX COOLING / ELECTRIC HEAT ULTRA HIGH EFFICIENCY

DIMENSION DRAWING

Dimensional Drawings - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 Tag(s): RTU-22



PLAN VIEW OF DOWNFLOW OPENINGS



HORIZONTAL AIR FLOW OPENING

DX COOLING / ELECTRIC HEAT ULTRA HIGH EFFICIENCY

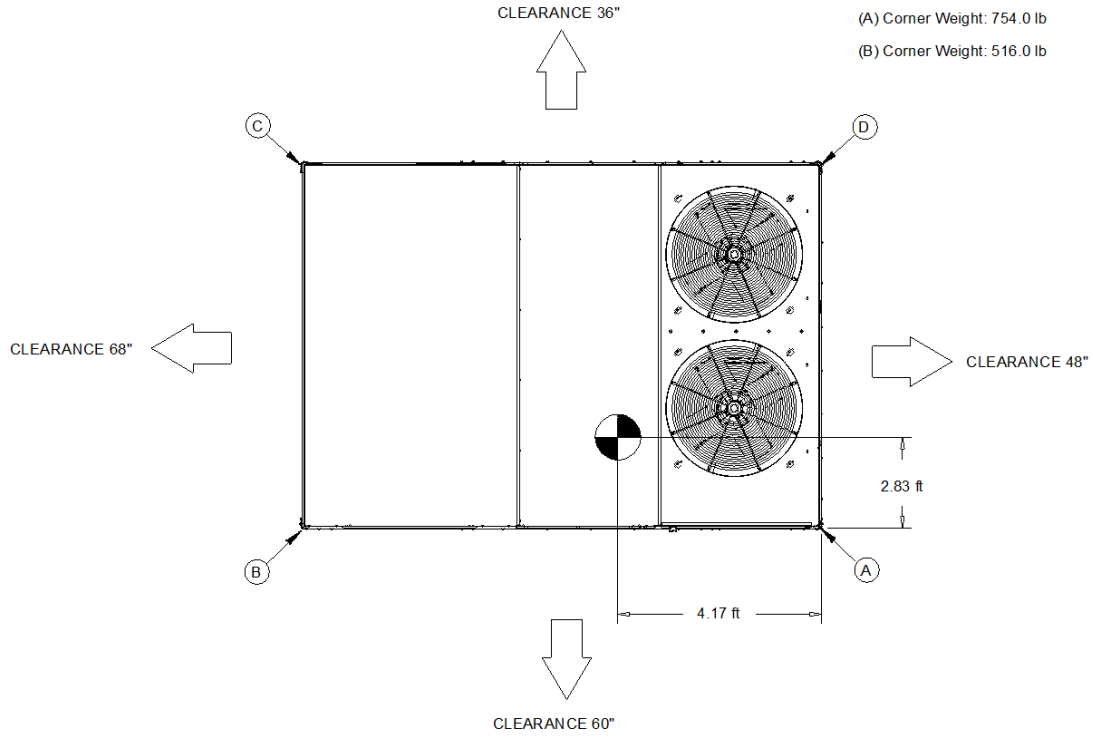
DIMENSION DRAWING

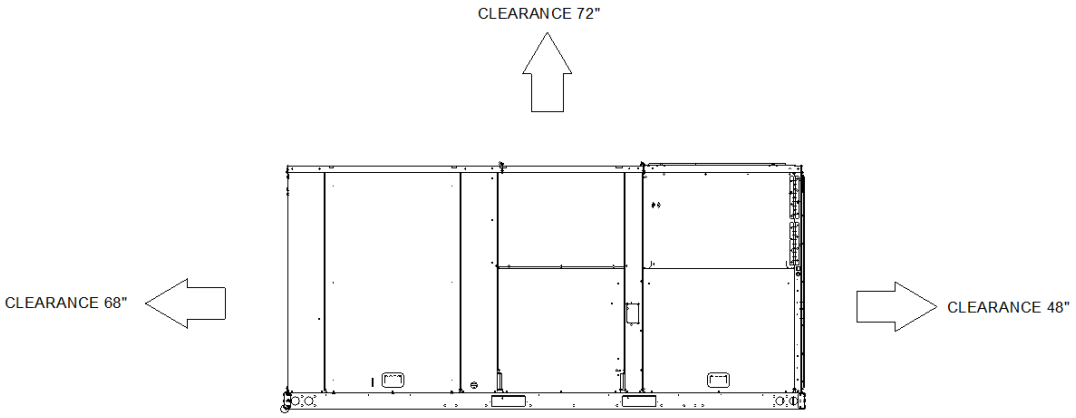
Weight, Clearance & Rigging - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

NOTES:
1. APPROX. INSTALLED WEIGHT INCLUDES ALL SELECTED OPTIONS AND ACCESSORIES.
2. CORNER WEIGHTS ARE FOR BASE UNIT ONLY AND DO NOT INCLUDE OPTIONS OR ACCESSORIES.
3. WEIGHT INCLUDES BOTH FACTORY AND FIELD INSTALLED ACCESSORY.

Approximate Installed Weight: 2,479.0 lb

(A) Corner Weight: 754.0 lb	(C) Corner Weight: 337.0 lb
(B) Corner Weight: 516.0 lb	(D) Corner Weight: 493.0 lb

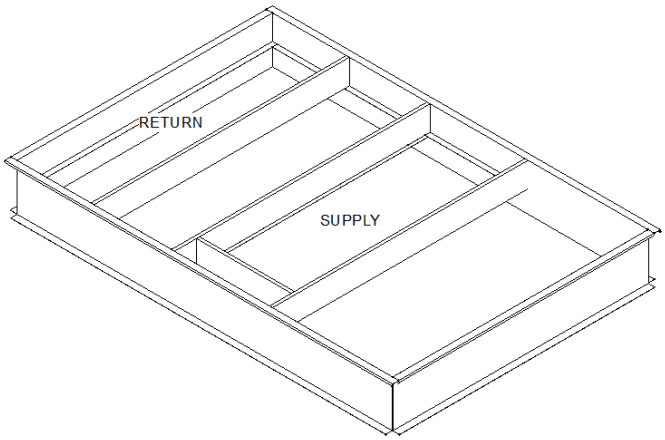


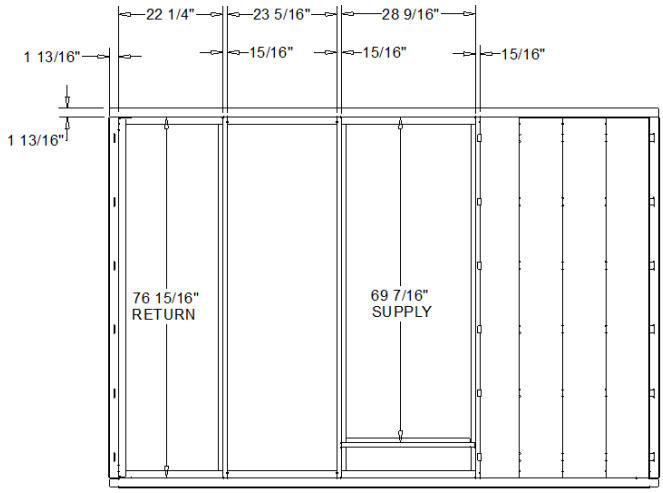


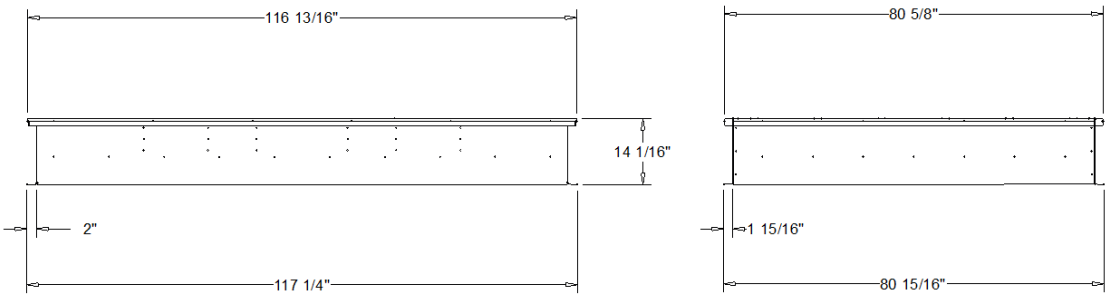
DX COOLING / GAS HEAT STANDARD EFFICIENCY

WEIGHTS AND CLEARANCES

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21



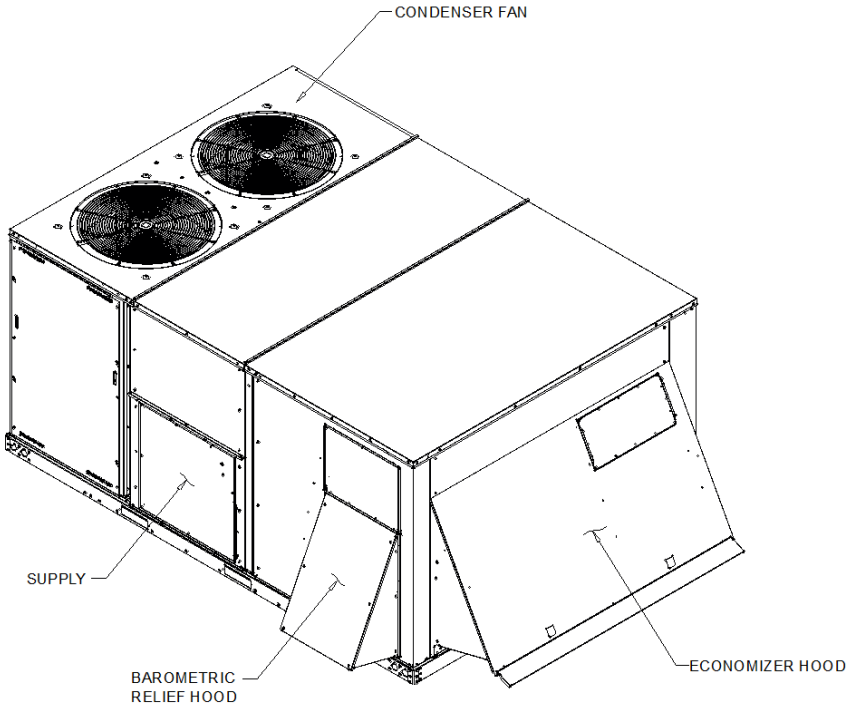


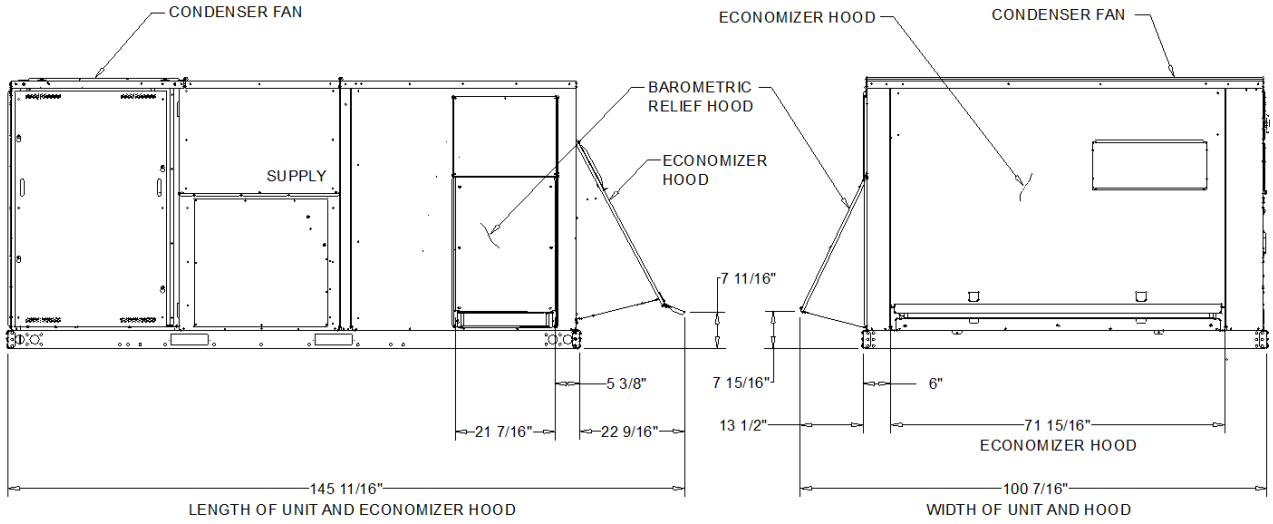


ROOF CURB (FIELD ACCESSORY)

DX COOLING / GAS HEAT STANDARD EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

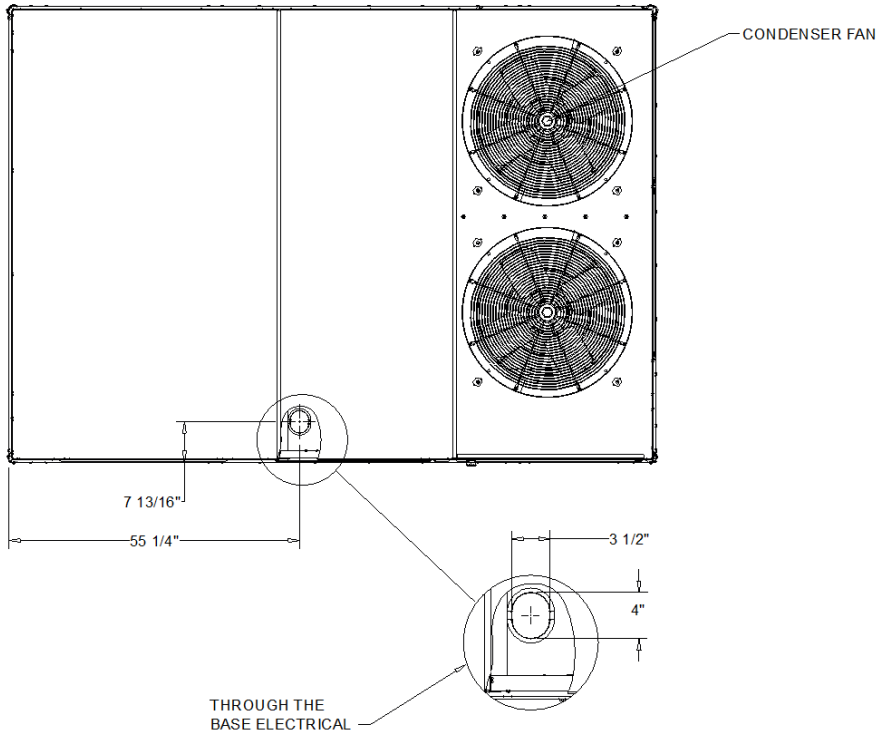


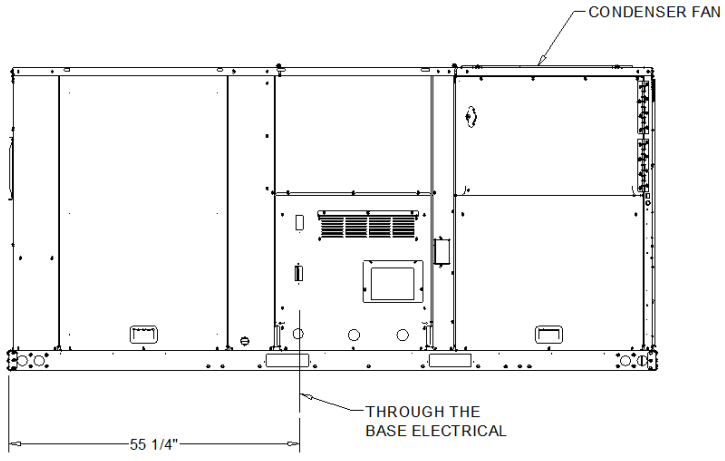


ECONOMIZER AND BAROMETIC AIR DAMPER(S) (OPTION)

DX COOLING / GAS HEAT STANDARD EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1 Qty: 12 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21

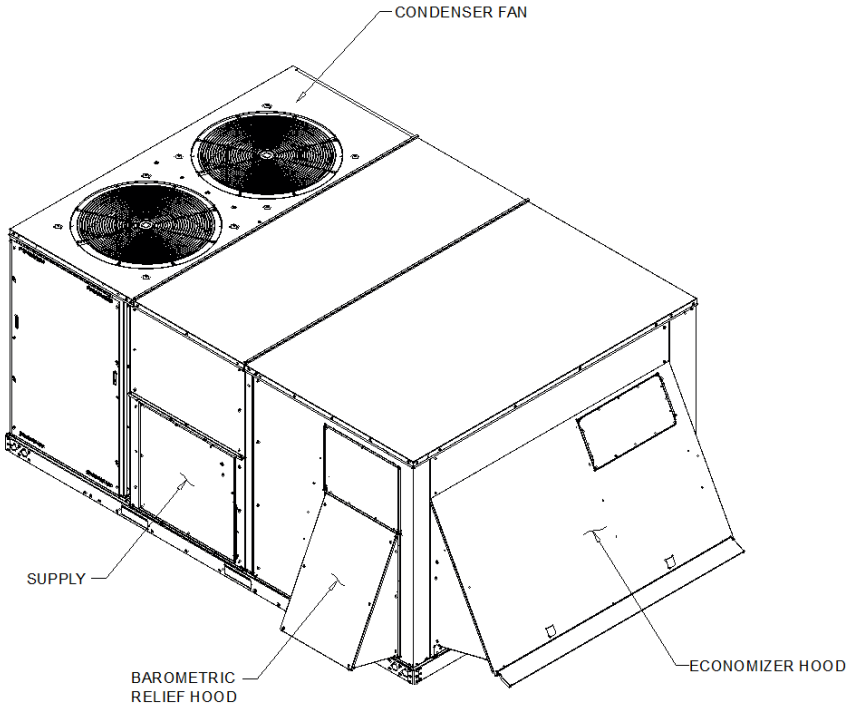


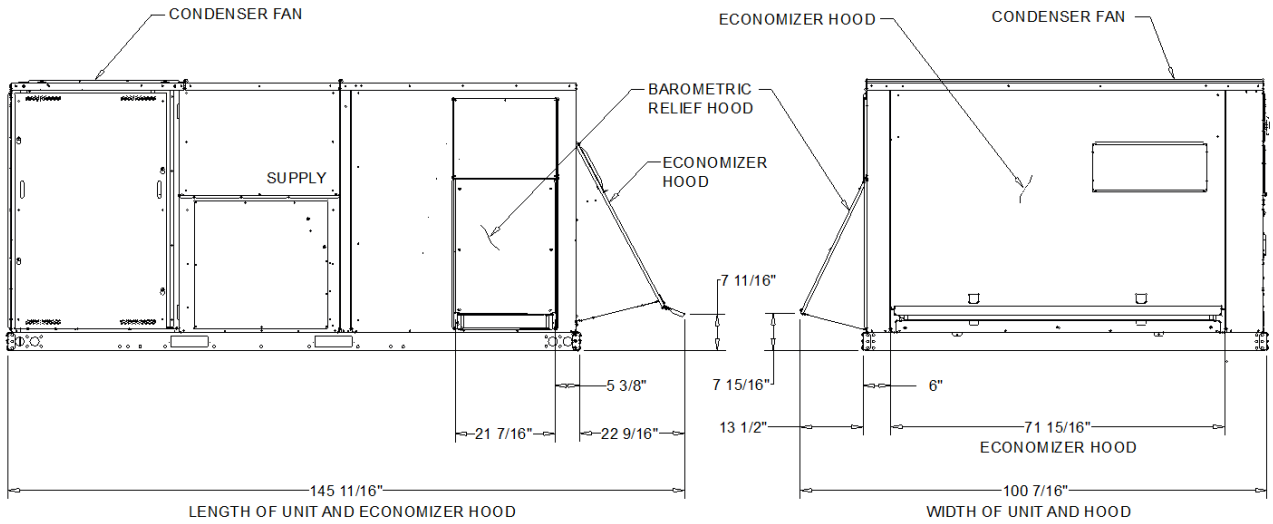


THROUGH-THE-BASE ELECTRICAL (OPTION)

DX COOLING / GAS HEAT STANDARD EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 **Tag(s): RTU-22**

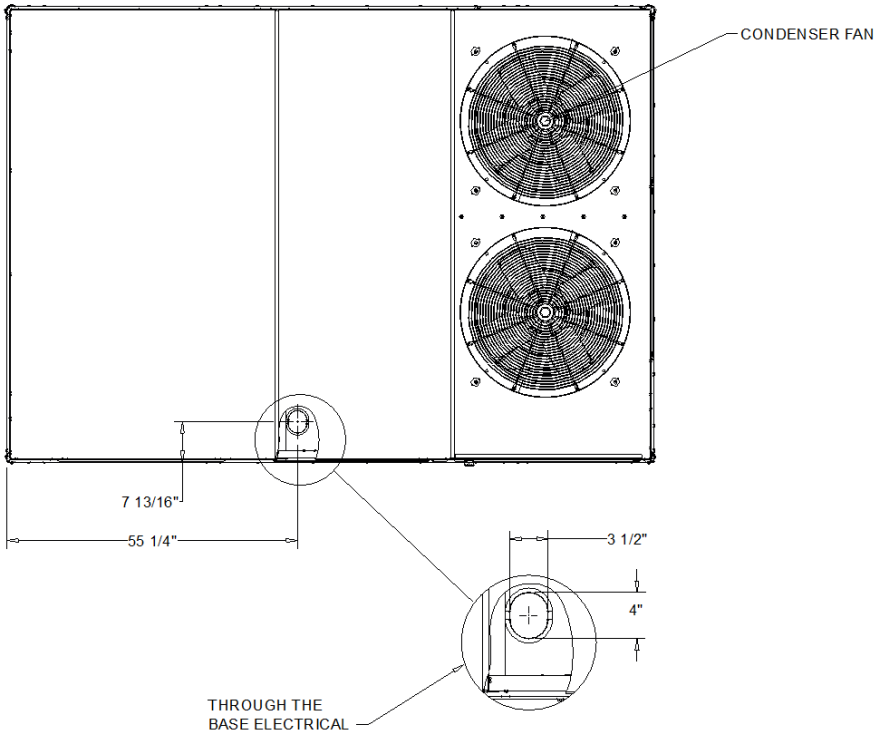


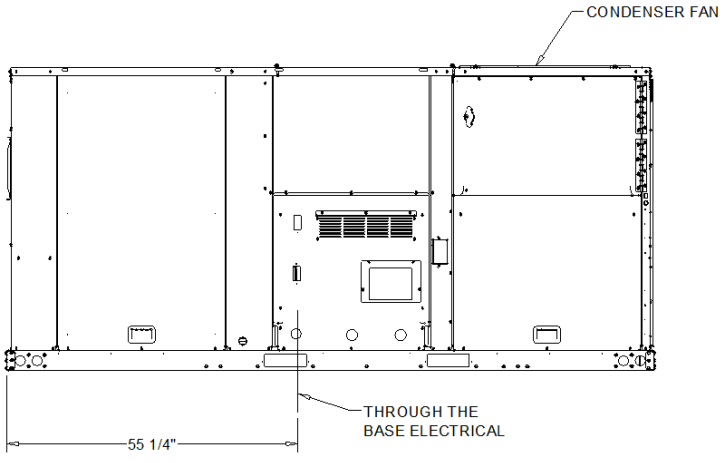


ECONOMIZER AND BAROMETIC AIR DAMPER(S) (OPTION)

DX COOLING / ELECTRIC HEAT ULTRA HIGH EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 Tag(s): RTU-22

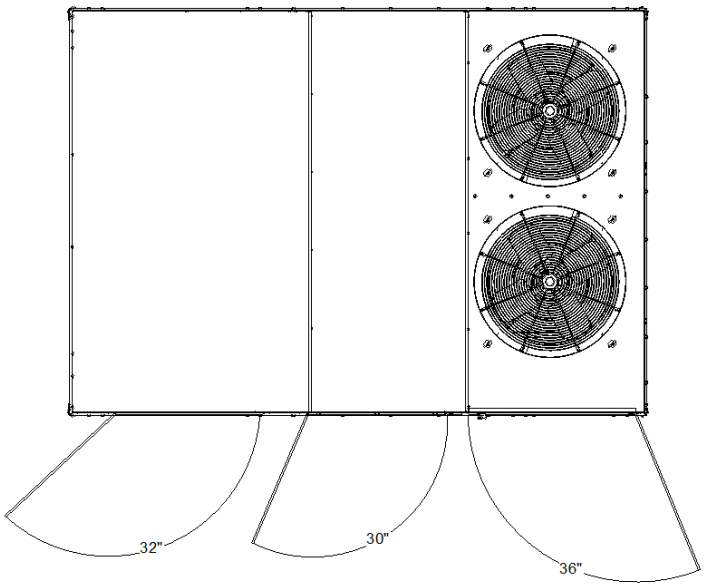


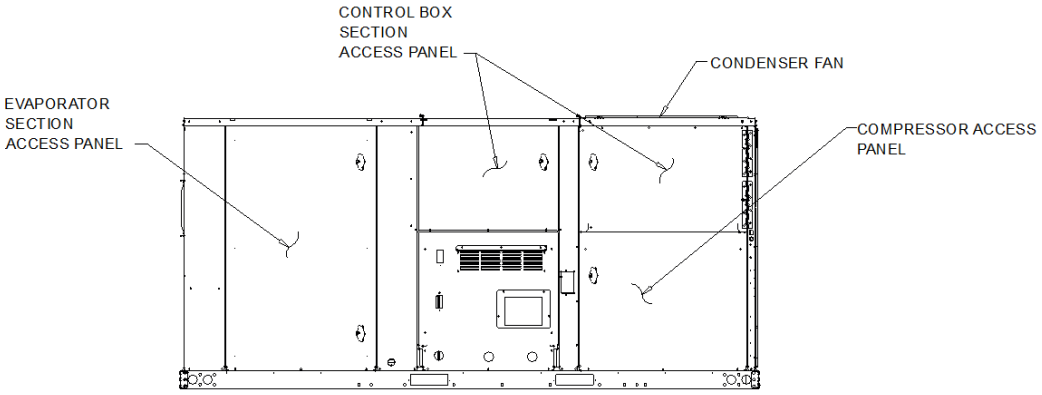


THROUGH-THE-BASE ELECTRICAL (OPTION)

DX COOLING / ELECTRIC HEAT ULTRA HIGH EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 Tag(s): RTU-22

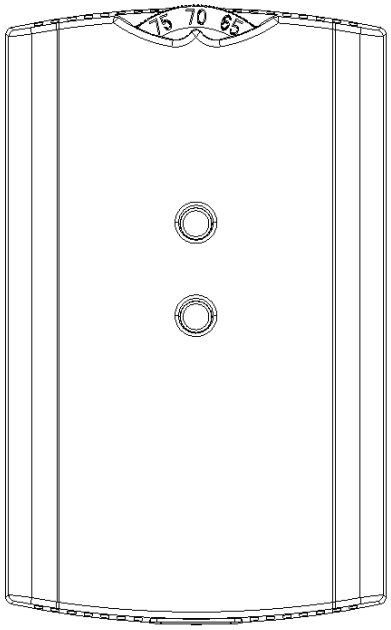




SWING DIAMETER FOR HINGED DOOR(S) (OPTION)

DX COOLING / ELECTRIC HEAT ULTRA HIGH EFFICIENCY

Accessory - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A2 Qty: 1 Tag(s): RTU-22

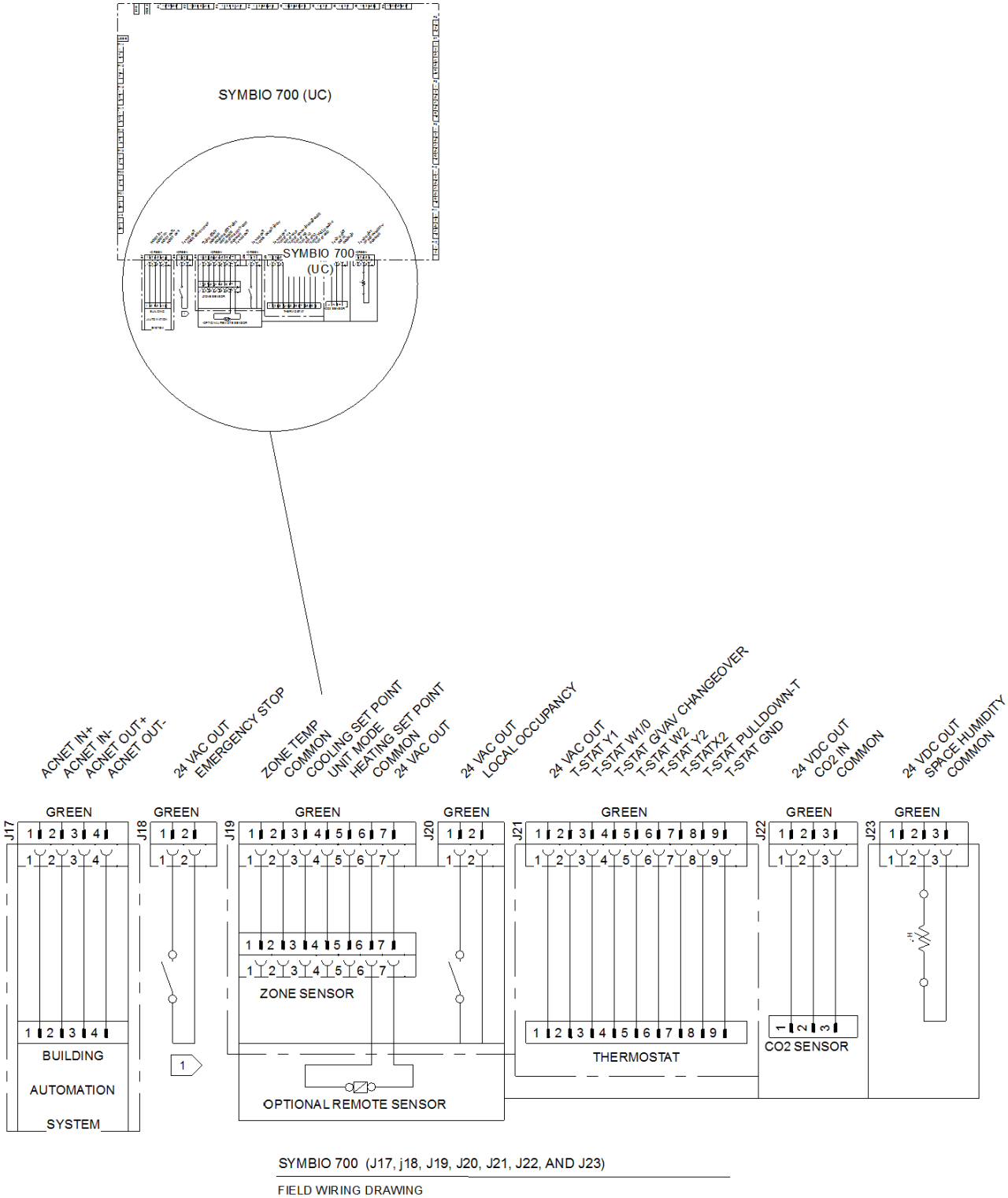


BAYSENS073 INTEGRATED COMFORT SYSTEM

ZONE SENSOR (ACCESSORY)

Field Wiring - 6- 25 Ton PKGD Precedent Unitary Rooftops
Item: A1, A2 Qty: 13 Tag(s): RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21, RTU-22

NOTES:
1. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH INSTALLER DOCUMENTS BEFORE INSTALLATION



SYMBIO 700 (J17, j18, J19, J20, J21, J22, AND J23)

FIELD WIRING DRAWING

Field Installed Options - Part/Order Number Summary
This is a report to help you locate field installed options that arrive at the jobsite. This report provides part or order numbers for each field installed option, and references it to a specific product tag. It is NOT intended as a bill of material for the job.

Product Family - 6- 25 Ton PKGD Precedent Unitary Rooftops

Item	Tag(s)	Qty	Description	Model Number
A1	RTU-10, RTU-11, RTU-12, RTU-13, RTU-14, RTU-15, RTU-16, RTU-17, RTU-18, RTU-19, RTU-20, RTU-21	12	6- 25 Ton PKGD Precedent Unitary Rooftop	YSJ240A4S0M**D0D0A1A 1A000000000000000000

Field Installed Option Description	Part/Ordering Number
14" Full Perimeter Knockdown Curb	FIACURB404A
Humidity wall mounted sensor	BAYSENS036A

Item	Tag(s)	Qty	Description	Model Number
A2	RTU-22	1	6- 25 Ton PKGD Precedent Unitary Rooftop	TZJ150A4S00**D4E0A1A10004000000 000000000

Field Installed Option Description	Part/Ordering Number
Room sensor with override button	BAYSENS073A