Submittal

Prepared For:
All Bidders

Date: January 09, 2026

Job Name:
Two Rivers RTU-3 2026
159 Main St
GRAND JUNCTION, CO 81501

Opportunity ID: 8482403

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

Product Summary

Qty	Product
1	Commercial Rooftop Air Conditioning Units (Midrange)

Derek S McPherren
Trane U.S. Inc.
2387 River Road, Unit 110
Grand Junction, CO 81505
Office Phone: (970) 242-4361

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.

Table of Contents

Tag Data - Commercial Rooftop Air Conditioning Units (Midrange) (Qty: 1)

Item	Tag(s)	Qty	Description	Model Number
A1	RTU-1	1	IPAK 1 90-130T Packaged Rooftop (IP1LG)	SLHRD1346*J8CGGD9001EBWE0000 A004Z1M8A

Product Data - Commercial Rooftop Air Conditioning Units (Midrange)

Item: A1 Qty: 1 Tag(s): RTU-1

Standard Ship Cycle
Cooling / Hot Water Heat
R-454B Refrigerant
130 Ton Air Cooled
460/60/3
High Heat 2.0" Valve
Design Sequence - Factory Assigned
100% Relief - 40 HP w/Statitrac
800 RPM
M8 Hi-Eff TA / None
80 HP (2-40HP)
1600 RPM
0-100% Economizer
VAV DTC Supply & Relief VFD w Bypass
No Accessory Sensors
Standard Ambient
cULus Approval
Unit Mounted Dis w HF SCCR/Conv Outlet
Hot Gas Bypass
Economizer Control with Dry Bulb
Low Leak Fresh Air Damper
Standard Unit
Standard Aluminum Condenser Coil
Non Rapid Restart
Shaft Grounding Ring
Stainless Steel Drain Pan w Grease Lines
IRU w SS DP/Access Doors
Pre Evap Filter Monitor
Trane BACnet Communication
Spring Isolators - Supply/Ex/Return
Downflow supply/Upflow Return
Standard Unit
No
2nd-5th Year Compr Parts Warranty
Year 1 Labor Whole Unit Warranty
1st Year Refrigerant Warranty

Performance Data - Commercial Rooftop Air Conditioning Units (Midrange)

Tags	RTU-1
Supply Airflow (cfm)	46000
Supply Duct Static Pressure (in H2O)	1.400
Return Duct Static Pressure (in H2O)	1.000
Relief Airflow (cfm)	40000
Relief Break horse power (bhp)	30.16
Relief fan rpm (rpm)	806
Cooling EDB (F)	80.00
Cooling EWB (F)	61.00
Ambient DB (F)	105.00
Elevation (ft)	4850.00
Heating Entering Air Temperature (F)	20.00
Baud Rate	76800
Address (Number)	0.00
Leaving Coil Dry Bulb (F)	50.46
Leaving Coil Wet Bulb (F)	50.05
Leaving Unit Dry Bulb (F)	56.02
Leaving Unit Wet Bulb (F)	52.28
Gross Cooling Capacity (MBh)	1296.53
Gross Sensible Capcity (MBh)	1240.47
Gross Latent Capacity (MBh)	56.05
Net Total Capacity (F)	1124.88
Net Sensible Capacity (MBh)	1068.83
Net Sensible Heat Ratio (Number)	95.02
EER @ AHRI (EER)	9.9
IEER @ AHRI (EER)	14.4
Height (in)	81.375
Width (in)	143.625
Overall length (in)	423.750
Footprint Length (in)	0.000
Compressor 1 RLA (A)	47.50
Compressor 2 RLA (A)	53.50
Compressor 3 RLA (A)	47.50
Compressor 4 RLA (A)	53.50
Condenser Fan 1 FLA (A)	26.40
Supply Fan FLA (A)	49.00
Supply Fan 2 FLA (A)	49.00
Other FLA (A)	9.00
Relief FLA (A)	49.00
Minimum Circuit Ampacity (A)	397.78
Maximum Overprotection (A)	450.00
Disconnect Switch Size (A)	600.00
Refrigerant Charge Circuit 1 (lb)	61.5
Refrigerant Charge Circuit 2 (lb)	59.0
Output Heating Capacity (MBh)	2209.97
Output Heating Capacity w Fan (MBh)	2381.61
Heating LAT (F)	72.94
Heating Delta T (F)	52.94
Total Static Pressure (in H2O)	5.578
Economizer SP (in H2O)	0.640
Evaporative Coil SP (in H2O)	1.548
Pre Filter SP (in H2O)	0.240
Final Filter SP (in H2O)	0.000
Heating SP (in H2O)	0.750
Roofcurb SP (in H2O)	0.000

Tags	RTU-1
Hot Gas Reheat Static Presure (in H2O)	0.000
Supply Fan Operating Speed (rpm)	1586
Total Supply BHP (bhp)	61.40
Supply Fan Motor Heat (MBh)	171.64
Relief	Relief fan
Supply Fan Efficiency Grade (Number)	0.00
Condenser Coil Face Area (sq ft)	152.00
Condenser Coil Rows (Number)	1.00
Condenser Fan Count (Number)	12.00
Condenser Fan VFD Count (Number)	0.00
Condenser Fan Size (in)	26.000
Condenser Fan HP (hp)	1.000
Evaporative Coil Rows (Number)	6.00
Evaporative Coil Face Area (sq ft)	59.30
Evaporative Coil Face Velocity (ft/min)	776
Supply Fan Count (Number)	2.00
Supply Fan Motor Count (Number)	2.00
VFD Count (Number)	2.00
Supply duct - 63 Hz (dB)	89
Supply duct - 125 Hz (dB)	89
Supply duct - 250 Hz (dB)	90
Supply duct - 500 Hz (dB)	94
Supply duct - 1000 Hz (dB)	90
Supply duct - 2000 Hz (dB)	82
Supply duct - 4000 Hz (dB)	71
Supply duct - 8000 Hz (dB)	63
Return duct - 63 Hz (dB)	82
Return duct - 125 Hz (dB)	82
Return duct - 250 Hz (dB)	81
Return duct - 500 Hz (dB)	81
Return duct - 1000 Hz (dB)	75
Return duct - 2000 Hz (dB)	65
Return duct - 4000 Hz (dB)	66
Return duct - 8000 Hz (dB)	50
Exhaust fan - 63 Hz (dB)	99
Exhaust fan - 125 Hz (dB)	103
Exhaust fan - 250 Hz (dB)	98
Exhaust fan - 500 Hz (dB)	96
Exhaust fan - 1000 Hz (dB)	91
Exhaust fan - 2000 Hz (dB)	89
Exhaust fan - 4000 Hz (dB)	93
Exhaust fan - 8000 Hz (dB)	85
Total Installed Wieght (lb)	17078.3
Center of Gravity - X Dimension (in)	213.940
Center of Gravity - Y Dimension (in)	72.460
Installed Point Load Weight 1 (lb)	1549.5
Installed Point Load Weight 2 (lb)	1676.8
Installed Point Load Weight 3 (lb)	1603.1
Installed Point Load Weight 4 (lb)	1730.4
Installed Point Load Weight 5 (lb)	1647.0
Installed Point Load Weight 6 (lb)	1774.4
Installed Point Load Weight 7 (lb)	1690.5
Installed Point Load Weight 8 (lb)	1817.8
Installed Point Load Weight 9 (lb)	1730.7
Installed Point Load Weight 10 (lb)	1858.0

Tags	RTU-1
Installed Point Load - 1X (in)	4.000
Installed Point Load - 2X (in)	120.000
Installed Point Load - 3X (in)	215.000
Installed Point Load - 4X (in)	309.000
Installed Point Load - 5X (in)	396.000
Installed Point Load - 1Y (in)	4.000
Installed Point Load - 2Y (in)	136.000
Pre-Evap Filter Qty/Size - #1	25 24x24X2
Filter Face Area (sq ft)	100.00
Filter Face Velocity (ft/min)	460
System Power (kW)	193.98
SCCR Rating (A)	65000.00
Compressor Count (Number)	4.00
Compressor Stages (Number)	4.00
Heating Fluid Type	Water
Hot Water Flow Rate (gpm)	157.71
Heating Entering Water Temperature (F)	180.00
Heating Leaving Water Temperature (F)	152.00
Fluid freeze protection to (F)	32.00
Hydronic coil water pressure drop (ft H2O)	8.52
Minimum Room Area (sq ft)	1821.60
Minimum Supply Fan Hertz (Hz)	22.02
Design Supply Fan Hertz (Hz)	60.00
Replication Run	302

Mechanical Specifications - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

General
Units shall be specifically designed for outdoor rooftop installation on a roof curb and be completely factory assembled and tested, piped, internally wired, fully charged with R-454B compressor oil, factory run tested and shipped in one piece. Units shall be available for direct expansion cooling only, or direct expansion cooling with natural gas, electric, hot water or steam heating. Filters, outside air system, exhaust air system, optional non-fused disconnect switches and all operating and safety controls shall be furnished factory installed. All units shall be UL listed to US and Canadian Safety Standards. Cooling capacity shall be rated in accordance with AHRI Standard 360. All units shall have decals and tags to aid in service and indicate caution areas. Electrical diagrams shall be printed on long life water resistant material and shall ship attached to control panel doors.

Leak Detection
Unit shall be furnished with a leak detection system from the factory. The leak detection system shall consist of one or more refrigerant detection sensors. When the system detects a leak, the unit controller shall initiate mitigation actions.

Casing
Exterior panels shall be zinc-coated, galvanized steel painted with a slate gray air-dry finish durable enough to withstand a minimum of 672 hours consecutive salt spray application in accordance with standard ASTM B117. Screws shall be zinc-plus-zinc chromate coated. Heavy gauge steel hinged access panels with tiebacks to secure door in open position shall provide access to filters and heating sections. Refrigeration components, supply air fan and compressor shall be accessible through removable panels as standard. Unit control panel, filter section, and gas heating section shall be accessible through hinged access panels as standard. Optional double wall construction hinged access doors shall provide access to filters, return/ exhaust air, heating and supply fan section. All access doors and panels shall have neoprene gaskets. Interior surfaces or exterior casing members shall have 1/2 inch fiberglass insulation. Unit base shall be watertight with heavy gauge formed load-bearing members, formed recess and curb overhang. Unit lifting lugs shall accept chains or cables for rigging. Lifting lugs shall also serve as unit tie down points.

Compressors
The Trane Scroll compressor shall be industrial grade, direct drive 3600 RPM maximum speed scroll type. The motor shall be suction gas-cooled hermetic design. Compressor shall have centrifugal oil pump with dirt separator, oil sight glass, and oil charging valve. Compressor shall also be provided with thermostatic motor winding temperature control to protect against excessive motor temperatures resulting from over-/under-voltage or loss of charge, high and low pressure cutouts, and reset relay.

Power Supplies
90 to 130 tons units shall be available with 460 or 575 voltage power supplies.

Hot Gas Bypass
Electronic Hot Gas Bypass valve piping and controls shall all be included on circuit 1 to allow operation at low airflow, avoiding coil frosting and damage to compressor. When suction pressure falls below valve adjustable setpoint, the valve shall modulate hot gas to the inlet of the evaporator. Valves sized to meet ASHRAE 90.1.

Evaporator Coil Drain Pan
Drain pan shall be double sloping [galvanized] [stainless] steel and promote runoff of standing water from condensation inside the unit. Two drain pipes shall be installed through the base channel on each side of the unit. Drain pipe connection shall be installed through the side of the unit and connector size is 1.25 NPTI. The stainless steel option shall provide protection in corrosive environments.

Air-Cooled Condenser Coil
Condenser coils shall have all aluminum microchannel coils. All coils shall be leak tested at the factory to ensure pressure integrity. The condenser coil shall be pressure tested to 650 psig. Subcooling circuit(s) shall be provided as standard.
The High Efficiency Condenser Coil option shall include additional rows of coil that provide increased efficiency compared to standard coils.

Air-Cooled Condenser Fans and Motors
All condenser fans shall be vertical discharge, direct drive fans, statically balanced, with aluminum blades and zinc plated steel hubs. Condenser fan motors shall be three-phase motors with permanently lubricated ball bearings, built-in current and thermal overload protection and weather-tight slingers over motor bearings.

Supply Fan
Supply fan motors shall be open drip-proof. All supply fans shall be dynamically balanced in factory. Supply fan shall be test run in unit and shall reach rated rpm.

90 to 130 Tons Forward-Curved Supply Fan
All supply fans shall have two independent fan assemblies with double inlet, forward-curved air foil fan, motor and fixed pitch sheave drive. All fans shall be statically and dynamically balanced and tested in factory. Supply fans shall be test run in unit as part of unit test. Unit shall reach rated rpm before fan shaft passes through first critical speed. Fan shafts shall be mounted on two grease lubricated ball bearings designed for 200,000 hours average life. Optional extended grease lines shall allow greasing of bearings from unit filter section. Fan motor and fan assembly shall be mounted on common base to allow consistent belt tension with no relative motion between fan and motor shafts. Entire assemblies shall be completely isolated from unit and fan board by two-inch deflection spring isolators.

Variable Air Volume Supply Air Temperature Control with Variable Frequency Drives and Bypass
Bypass control shall provide full nominal airflow in the event of drive failure.

Electrical
Unit shall be completely factory wired with necessary control and contactor pressure lugs or terminal block for power wiring. Units shall provide an option for a non-fused disconnect with external handle for safety

Unit Interrupt Rating (Short Circuit Current Rating-SCCR)
A standard SCCR of 5,000 amps shall be applied to the unit enclosure. A high fault SCCR option is available that provides a 65,000A SCCR for 200V, 230V, and 460V units; 25,000A SCCR for 575V units.

Internal Shaft Grounding Ring
Motors shall have internal bearing protection for use with VFDs to provide a conductive discharge path away from the motor bearings to ground. Bearing Protection Rings shall be circumferential rings with conductive micro fibers which provide the path of least resistance and dramatically extend motor life.

Non-Fused Disconnect
An external handle mounted on the control box door shall be provided to disconnect unit power with the control box door closed for safety.

Symbio 800 Controller
The Symbio 800 controller is an application-specific, programmable controller that is factory installed and designed to control packaged HVAC equipment. A 7" user interface features a touch-sensitive color screen that provides facility managers with at-a-glance operating status, performance monitoring, scheduling changes and operating adjustments. Other advanced features include automated controller backup and optional features such as secure remote connectivity, wireless building communications, mobile device connectivity and custom programming with expandable I/O.

BACnet® Communication Interface
The Symbio® 800 controller shall support standard BACnet communication protocol through a RS485, two-wire communication link or BACnet/IP.

Filters
Filter options shall mount integral within unit and be accessible by hinged access panels

High Efficiency Throwaway Option, MERV 8
Shall be two-inch high efficiency media filters with average dust spot efficiency of 25-35 percent and an average arrestance in excess of 90 percent when tested in accordance with ASHRAE 52¬76.

Modulating Relief Fan Option
Two, double-inlet, forward-curved fans shall be mounted on a common shaft with fixed sheave drive. All fans shall be dynamically balanced and tested in factory before being installed in unit. Exhaust fan shall be test run as part of unit

final run test. Unit shall reach rated rpm before fan shaft passes through first critical speed. Fan shaft shall be mounted on two grease lubricated ball bearings designed for 200,000-hour average life.
Optional extended grease lines shall be provided to allow greasing of bearings from unit filter section. Fan motor and assembly shall be mounted on common base to allow consistent belt tension with no relative motion between fan and motor shafts. Entire assembly shall be completely isolated from unit and fan board by spring isolation.

With Statitrac Enabled
For VAV IPAK rooftops, the modulating relief discharge dampers shall be modulated in response to the Relief Fan operation with a VFD. Relief Dampers are Gravity/Pressure Driven. A differential pressure control system, (Statitrac), shall use a differential pressure transducer to compare indoor building pressure to outdoor ambient atmospheric pressure. The FC exhaust fan shall be turned on when required to lower building static pressure setpoint.

With Statitrac Disabled
Relief dampers at unit outlet shall modulate relief airflow in response to OA damper position.

0-100 Percent Modulating Economizer Option
Economizer option shall be operated through the primary temperature controls to automatically utilize outside air for ?free? cooling. Automatically modulated return and outside air dampers shall maintain proper temperature in the conditioned space. Economizer shall be equipped with an automatic lockout when the outdoor high ambient temperature is too high for proper cooling. Minimum position control shall be standard and adjustable at the user interface or through the building management system. A spring return motor shall ensure closure of OA dampers during unit shutdown or power interruption. Mechanical cooling shall be available to aid the economizer mode at any ambient. Standard economizer dampers leakage rate shall be 2.5 percent of nominal airflow (400 cfm/ton) at 1 inch wg. static pressure.

Low-Leak Economizer Damper Option
Low leak dampers shall be provided with gasketing added to the damper blades and rolled stainless steel jamb seals to the sides of the damper assembly. Low leak economizer dampers shall have a leakage rate of 1 percent based on testing data completed in accordance with AMCA Standard 500 at AMCA Laboratories.

Economizer Control with Dry Bulb
An outdoor temperature sensor shall be included for comparing the outdoor dry bulb temperature to a locally adjustable temperature setpoint. The setpoint shall be programmed at the user interface to determine if outdoor air temperature is suitable for economizer operation.

Hot Water Heating Option
Hot water coils shall be Type 5W and factory mounted in the rooftop unit to provide complete drainage of coil. Hot water modulating valve with actuator shall be provided.

Access Doors
Hinged access doors shall provide easy access to supply fan, filters, exhaust/return fan, and the heating section. Double wall construction with dual density insulation sandwiched between heavy gauge galvanized steel panels for strength and durability can be selected.

100 Percent Modulating Return Fan - External Capacity Control Version
When configured for External Capacity Control, the operation of the return fan is managed by an external signal provided by the customer, such as a 2-10 VDC analog input. Space pressure control features-Statitrac? is disabled in this configuration. All modulation and activation of the return fan, return plenum control and associated dampers are the customer?s responsibility to achieve desired building performance. Optional bypass control provides full nominal airflow in the event of drive failure.

Powered Convenience Outlet
A 15A, 115V Ground Fault Interrupter convenience outlet shall be factory installed. It shall be wired and powered from a factory mounted transformer. Unit-mounted, non-fused disconnect with external handle shall be furnished with factory powered outlet.

Extended Grease Lines
Lines shall allow greasing of supply and relief fan bearings through the filter access door

IntelliPak Replacement Unit (IRU)
The IntelliPak replacement solution shall include a condenser base pan, strengthening of the condenser section with welded reinforcement of condenser base rail, as well as welded integral supports to the condenser base. This additional strength shall allow the reuse of the existing pedestal as well as any Trane® full perimeter curb and reduce installation risk and labor. Also optional with stainless steel.

Two-Inch Spring Isolators
Supply and relief/return fan (if applicable) assemblies shall be isolated with two-inch nominal deflection to reduce transmission of vibrations (standard feature on 90 to 130 tons).

Certified AHRI Performance
Packaged Rooftop units cooling, heating capacities and efficiencies shall be rated within the scope of the Air-Conditioning, Heating & Refrigeration Institute (AHRI) Certification Program and display the AHRI Certified® mark as a visual confirmation of conformance to the certification sections of AHRI Standard 340-360 (I-P) and ANSIZ21.47 and 10 CFR Part 431 pertaining to Commercial Warm Air Furnaces. The applications in this catalog specifically excluded from the AHRI certification program are:

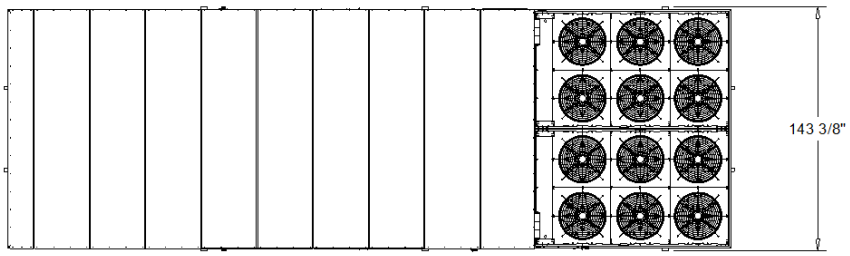
-Ventilation modes

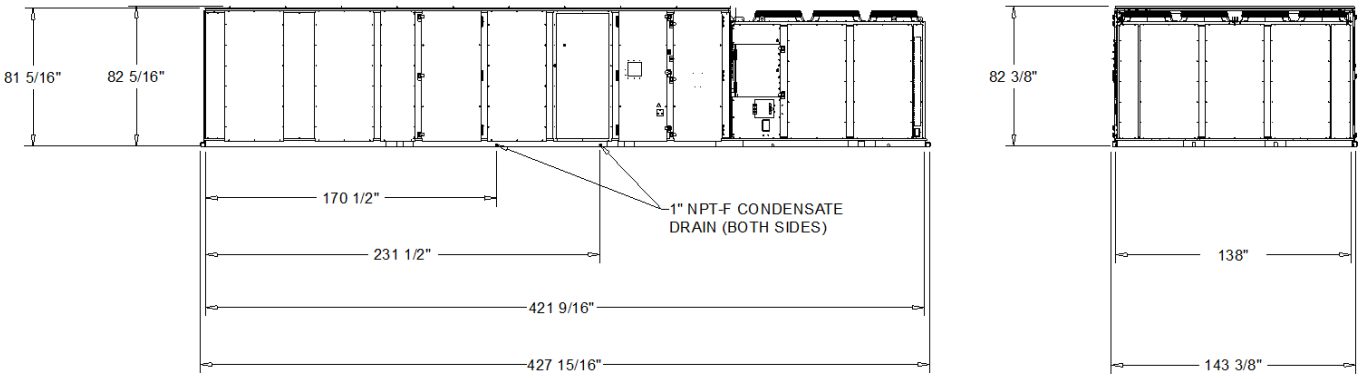
-Heat Recovery

-Units larger than nominal 63 tons

Dimensional Drawings - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

NOTES:
1. VERIFY WEIGHTS, CONNECTIONS, AND ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION





90 - 130 TON SELF- CONTAINED

PLAN VIEW DRAWING

Dimensional Drawings - Commercial Rooftop Air Conditioning Units (Midrange)
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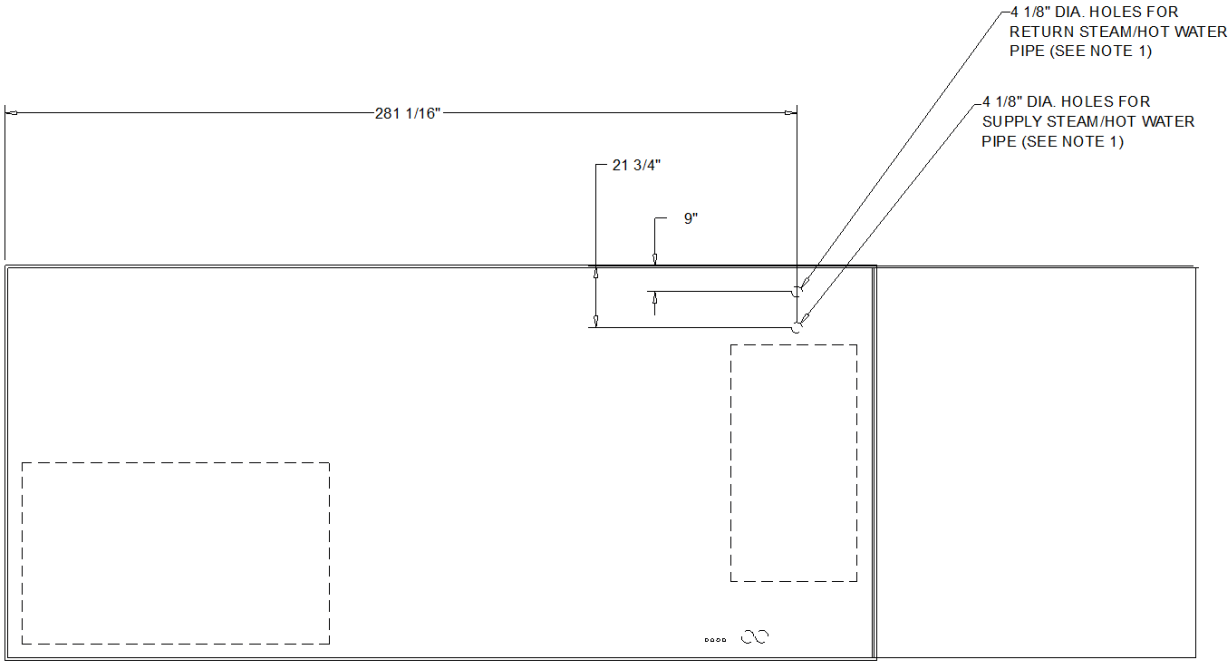

STEAM AND HOT WATER CONNECTION

PLAN VIEW DRAWING

Dimensional Drawings - Commercial Rooftop Air Conditioning Units (Midrange)
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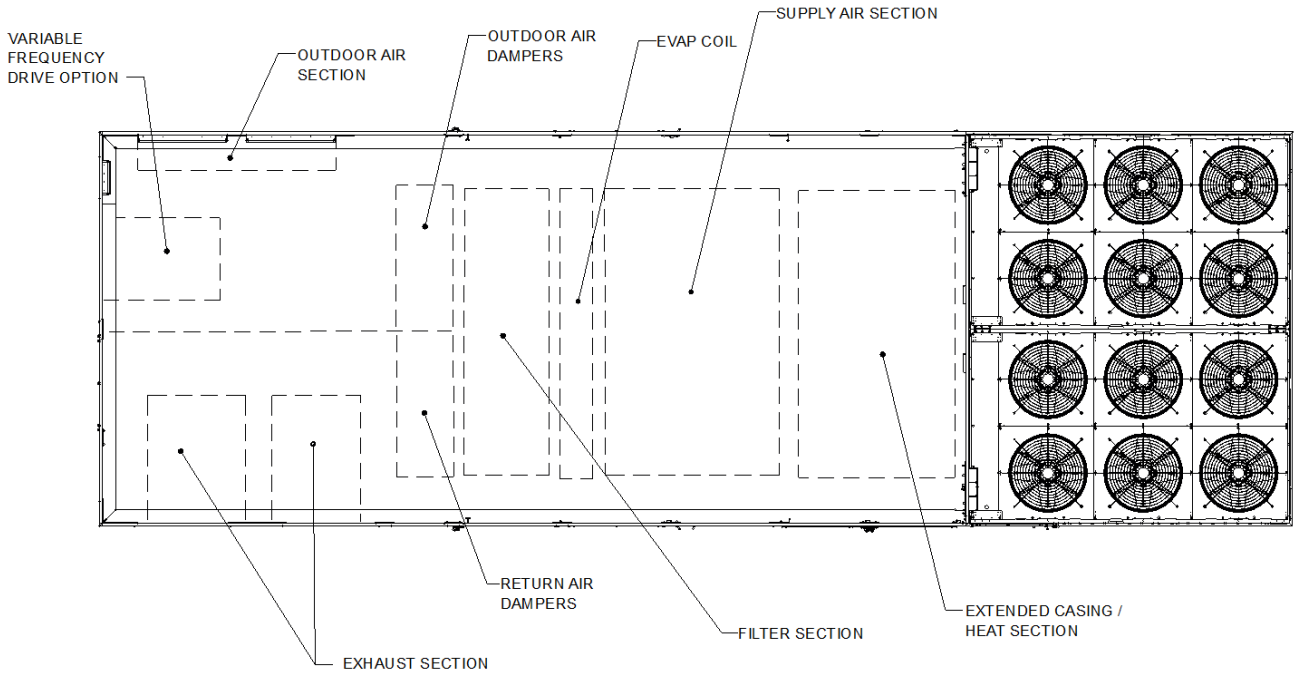

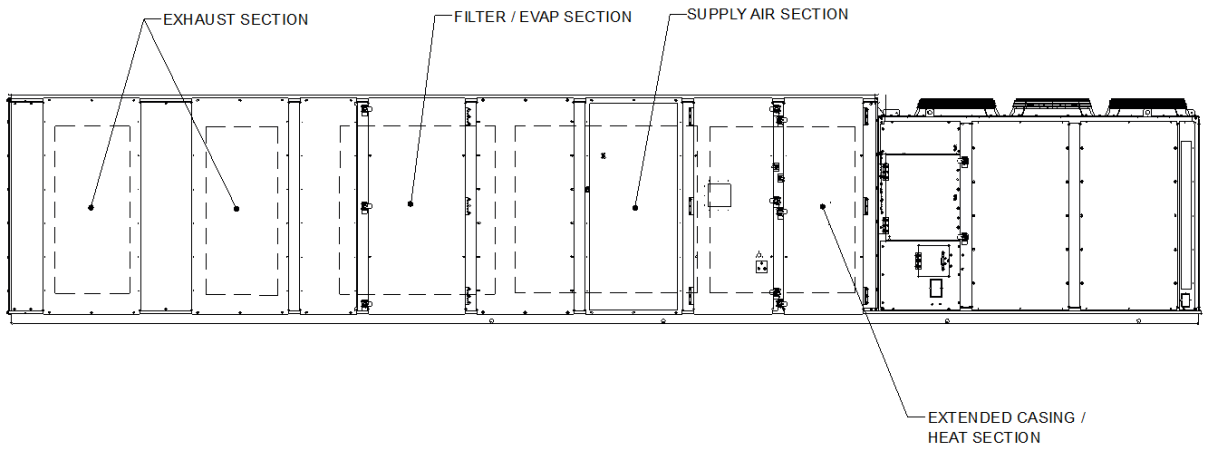

90 - 130 TON COOLING EXTENDED CASING TYPICAL LAYOUT

DIMENSION DRAWING

Dimensional Drawings - Commercial Rooftop Air Conditioning Units (Midrange)
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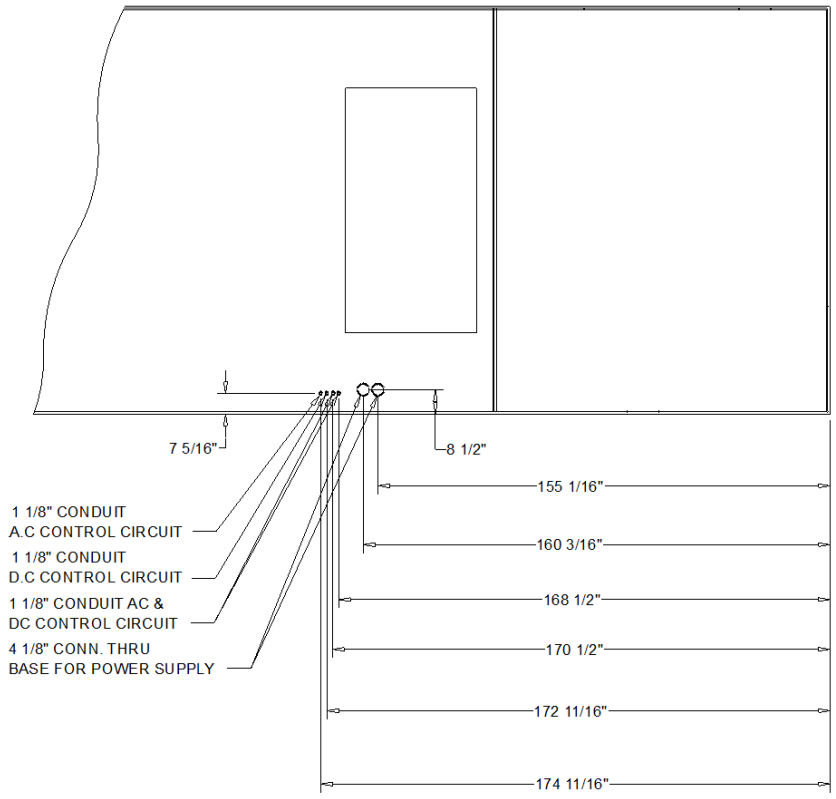
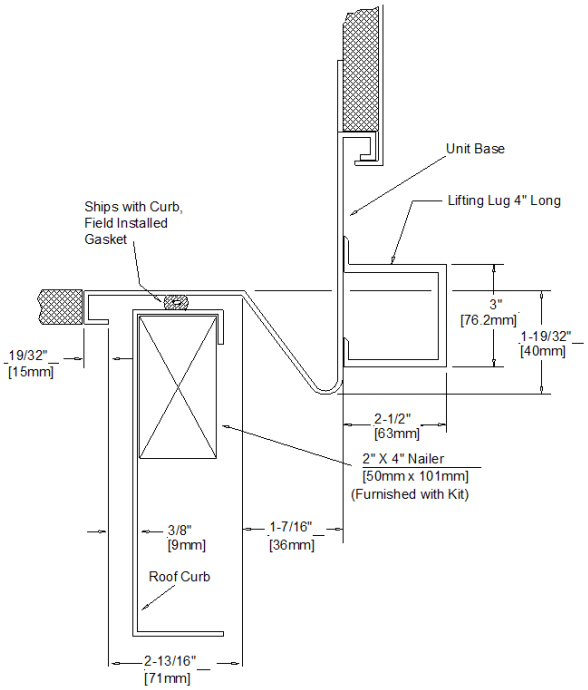


90-130 TON POWER AND CONTROL OPENINGS

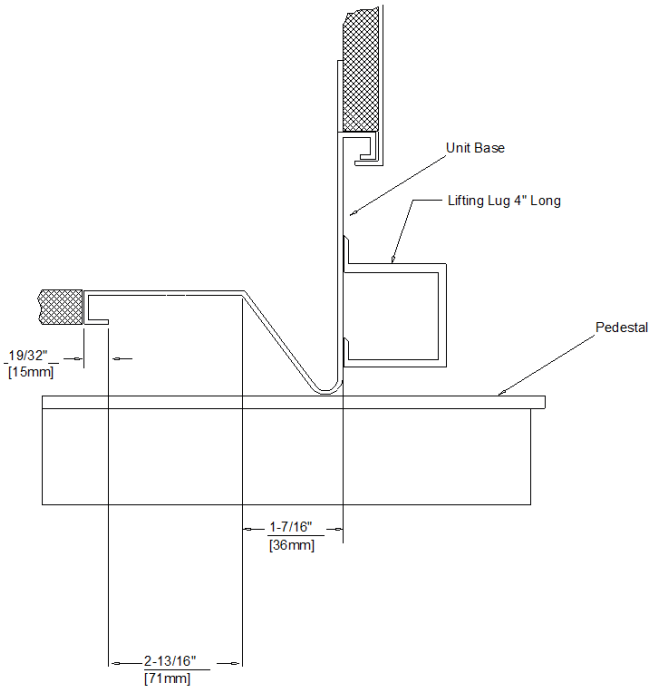
DIMENSION DRAWING

Dimensional Drawings - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

TYPICAL ROOF CURB AND BASE PAN DETAIL



TYPICAL PEDESTAL AND BASE PAN DETAIL



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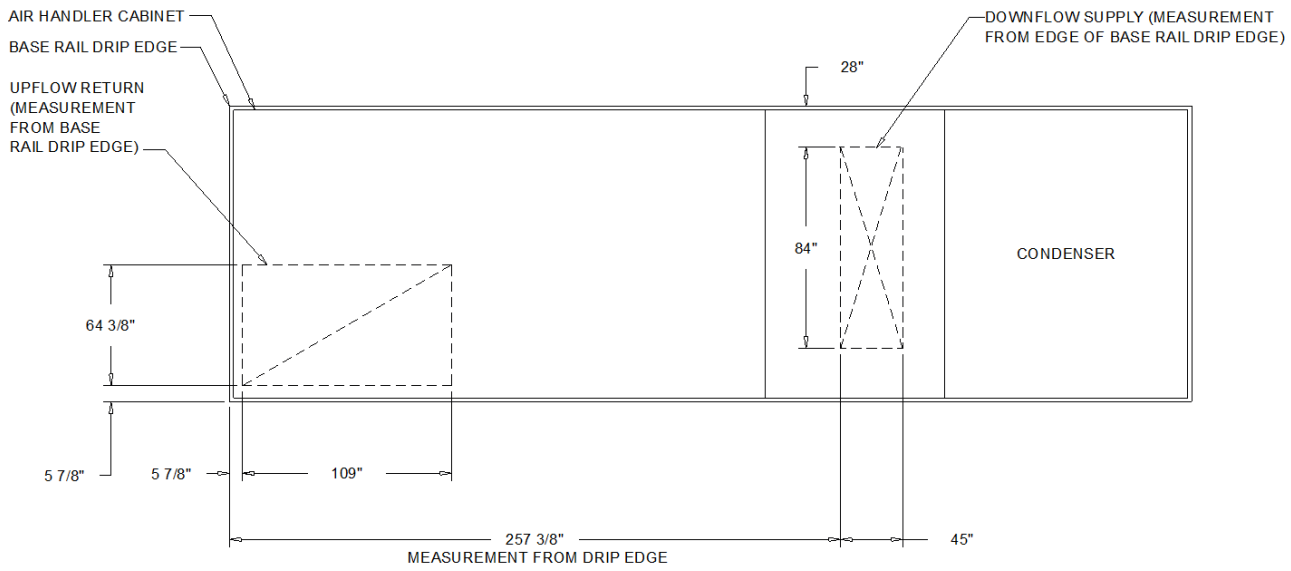


PLAN VIEW DOWNFLOW SUPPLY / UPFLOW RETURN

NOTES:
1. SXHL UNITS HAVE TWO PANELAS THAT CAN BE REMOVED. ONCE UNIT IS INSTALLED, THE PANEL(S) AND THE 6 1/2" VERTICAL SUPPORT CHANNEL IN BETWEEN CAN BE REMOVED.
2. OPENINGS ALL HAVE A 1 1/4" FLANGE AROUND THE PERIMETER TO FACILITATE DUCTWORK ATTACHMENT
3. IF EXHAUST/RETURN FANS ARE BEING USED, PROVISION SHOULD BE MADE FOR ACCESS TO THE EXHAUST COMPONENTS, SINCE THE ACCESS DOOR IS NOW BEING USED AS RETURN
4. USE THE DIMENSIONS PROVIDED AND THE SUPPLY CFM TO CALCULATE THE VELOCITY (FT/MIN) THROUGH THE SUPPLY AIR OPENING TO BE SURE THEY ARE ACCEPTABLE COIL.

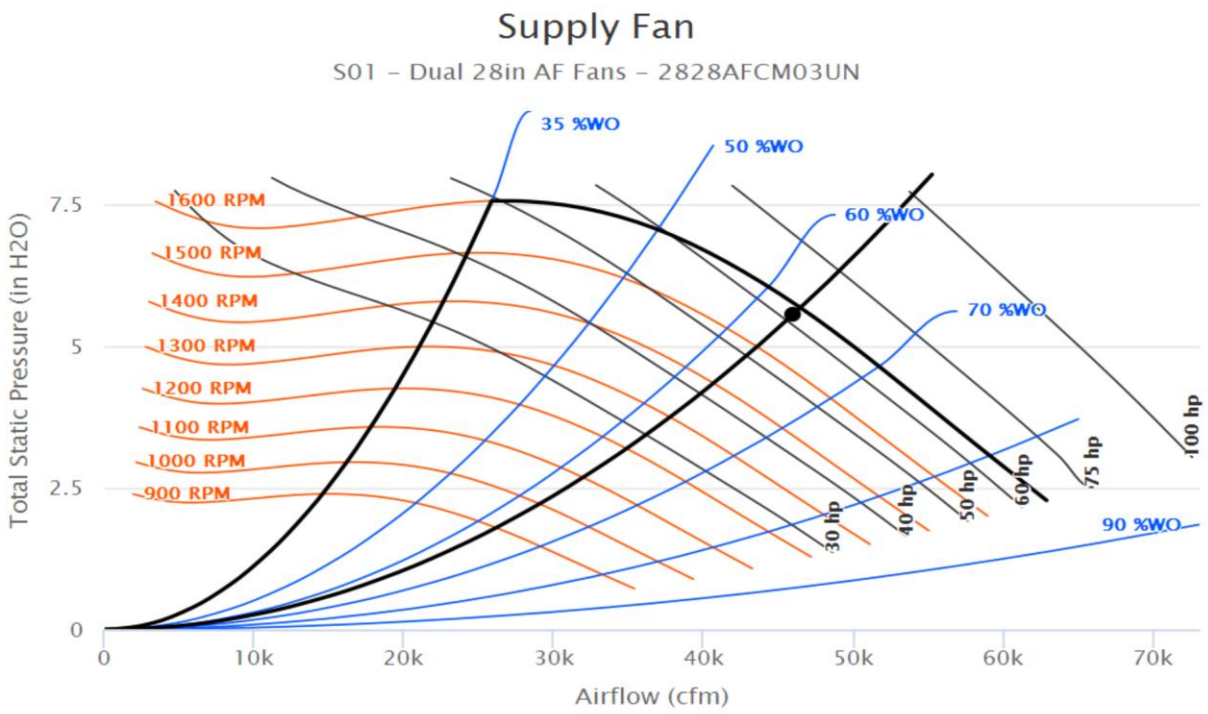
DOWNFLOW SUPPLY / UPFLOW RETURN

DIMENSION DRAWING

Fan Curve - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

Fan Details

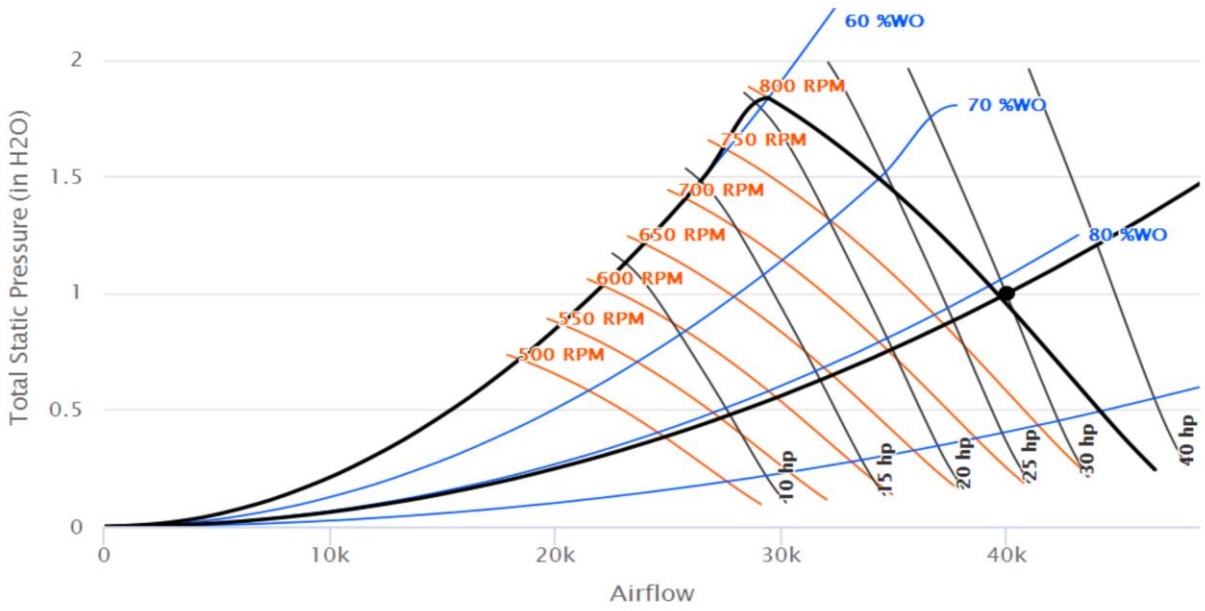
Unit Size		**Operating Brake Power**	61.40 bhp
Operating Airflow	46,000 cfm	**Altitude**	4,850.00 ft
Operating Static Pressure	5.578 in H2O	**Design Temp.**	50.46 F
Operating RPM	1,586 rpm		



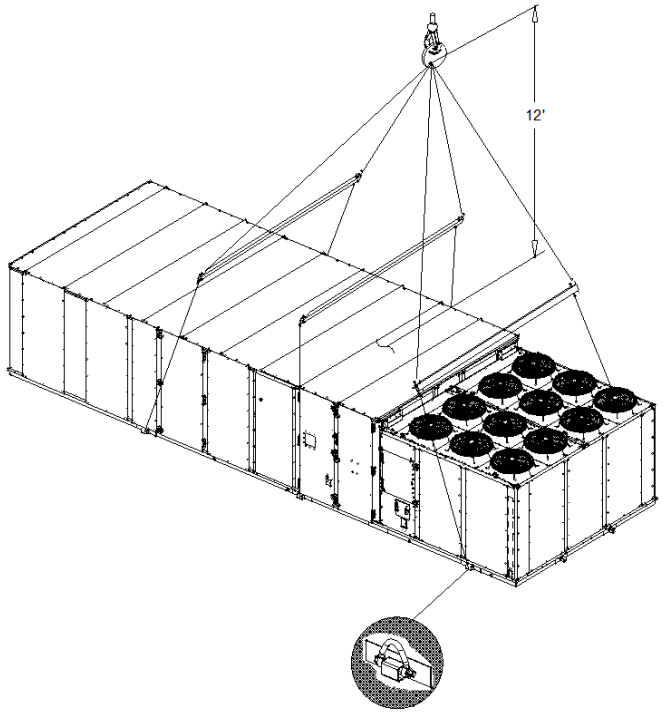
Fan Curve - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

Fan Details

Unit Size		**Operating Brake Power**	30.16 bhp
Operating Airflow	40000	**Altitude**	4,850.00 ft
Operating Static Pressure	1.000 in H2O	**Design Temp.**	80.00 F
Operating RPM	806 rpm		

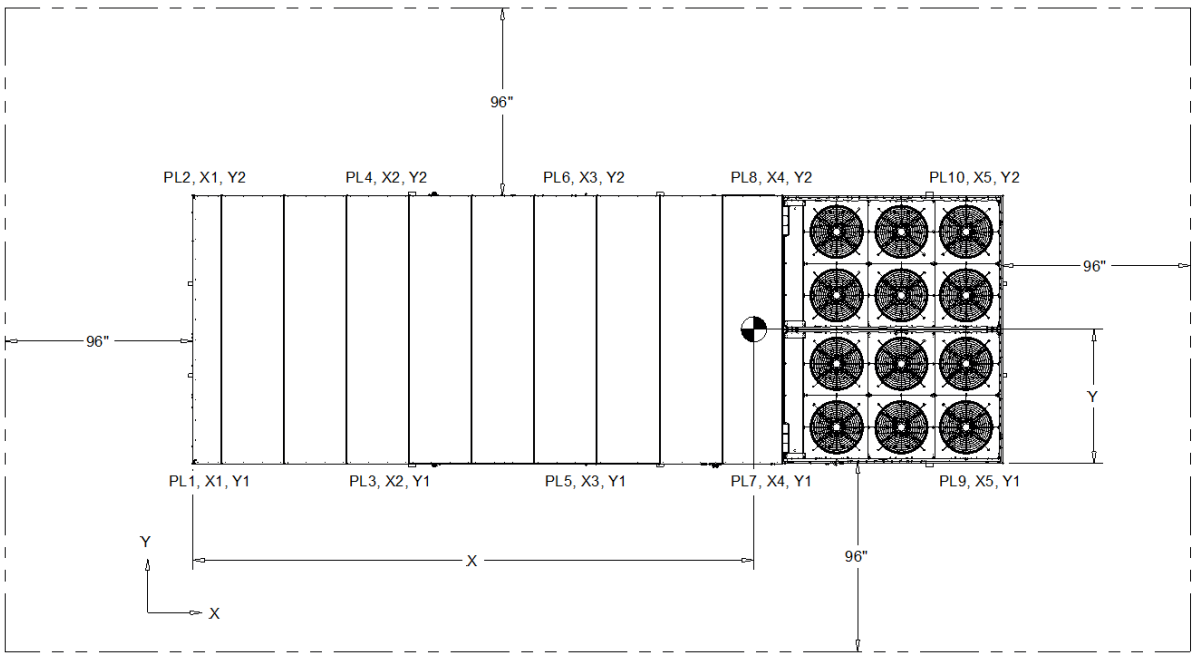


Weight, Clearance & Rigging - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1



Notes:
1.The actual weight is stamped on the unit nameplate.
2. The weight shown represents the typical unit operating weight for the configuration selected. Estimated at +/- 10% of the nameplate weight.
3. Design special weights are not displayed. Any weight added through COD (Custom Order Design) will not be accounted in the +/- 10% estimate
4. When 2 or more units are to be placed side by side, the distance between the units should be increased to 150% of the recommended single unit clearance. The units should also be staggered to reduce span deflection & assure proper diffusion of exhaust air.

Point Load 1:	1,549.5 lb	Point Load Location X1:	4.000 in
Point Load 2:	1,676.8 lb	Point Load Location X2:	120.000 in
Point Load 3:	1,603.1 lb	Point Load Location X3:	215.000 in
Point Load 4:	1,730.4 lb	Point Load Location X4:	309.000 in
Point Load 5:	1,647.0 lb	Point Load Location X5:	396.000 in
Point Load 6:	1,774.4 lb	Point Load Location Y1:	4.000 in
Point Load 7:	1,690.5 lb	Point Load Location Y2:	136.000 in
Point Load 8:	1,817.8 lb		
Point Load 9:	1,730.7 lb		
Point Load 10:	1,858.0 lb		
Total Weight:	17,078.3 lb		
Center of Gravity X:	213.940 in		
Center of Gravity Y:	72.460 in		



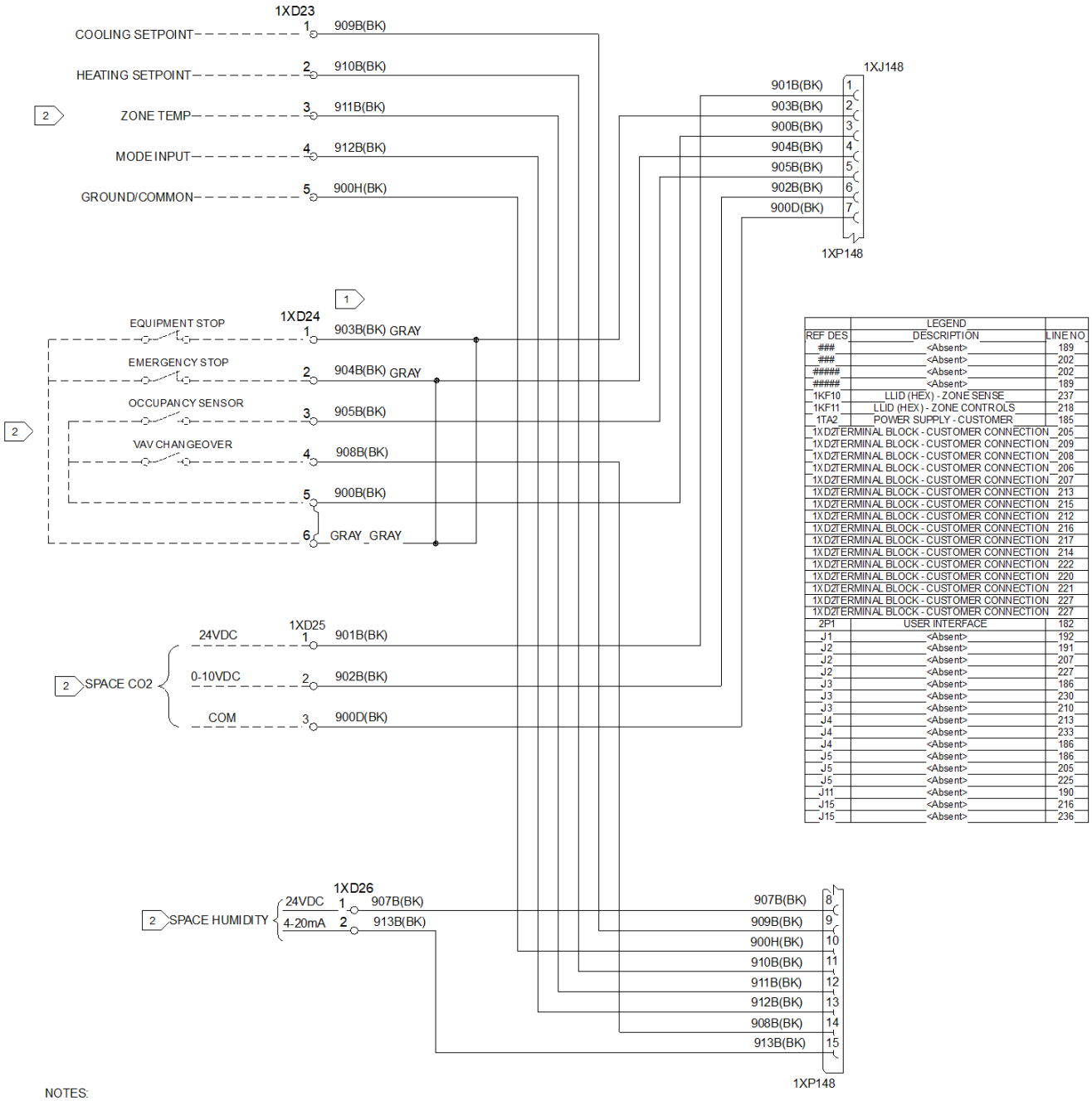
CENTER OF GRAVITY AND CLEARANCES
PLAN VIEW OF UNIT

Field Wiring - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

CUSTOMER CONNECTION WIRE RANGE			
NOTES:	COMPONENT TYPE/SIZE	WIRE QTY PER PHASE	WIRE RANGE
TERMINAL BLOCK AND STD SCCR DISCONNECT SWITCH SIZES ARE CALCULATED BY SELECTING THE SIZE GREATER THAN OR EQUAL TO 1.15 X (SUM OF UNIT LOADS). SEE UNIT LITERATURE FOR UNIT LOAD VALUES.	510A TERMINAL BLOCK	2	6 AWG - 250 kcmil
	760A TERMINAL BLOCK	2	4 AWG - 500 kcmil
	150A DISCONNECT SWITCH (STD SCCR)	1	14 AWG - 3/0 AWG
	250A DISCONNECT SWITCH (STD SCCR)	1	3/0 AWG - 350 kcmil *
	400A DISCONNECT SWITCH (STD SCCR)	2	2/0 AWG - 500 kcmil
	600A DISCONNECT SWITCH (STD SCCR)	2	2/0 AWG - 500 kcmil
HIGH SCCR DISCONNECT SWITCH SIZES ARE CALCULATED BY SELECTING THE SIZE GREATER THAN OR EQUAL TO 1.25 X (SUM OF UNIT LOADS). SEE UNIT LITERATURE FOR UNIT LOAD VALUES.	150A DISCONNECT SWITCH (HIGH SCCR)	1	14 AWG - 3/0 AWG
	250A DISCONNECT SWITCH (HIGH SCCR)	1	3/0 AWG - 350 kcmil *
	400A DISCONNECT SWITCH (HIGH SCCR)	2	2/0 AWG - 500 kcmil
	600A DISCONNECT SWITCH (HIGH SCCR)	2	2/0 AWG - 500 kcmil

*250A DISCONNECT SWITCHES CAN ACCOMMODATE 4 AWG - 4/0 AWG IF LUG SCREWS ARE CHANGED TO S1A59551 KIT (PROVIDED WITH UNIT)

Field Wiring - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1

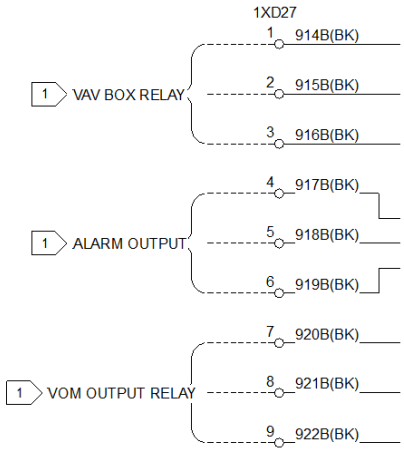


LEGEND		
REF DES	DESCRIPTION	LINE NO
###	<Absent>	189
###	<Absent>	202
#####	<Absent>	202
#####	<Absent>	189
1KF10	LLID (HEX) - ZONE SENSE	237
1KF11	LLID (HEX) - ZONE CONTROLS	218
1TA2	POWER SUPPLY - CUSTOMER	185
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	205
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	209
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	208
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	206
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	207
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	213
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	215
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	212
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	216
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	217
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	214
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	222
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	220
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	221
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	227
1XD2	TERMINAL BLOCK - CUSTOMER CONNECTION	227
2P1	USER INTERFACE	182
J1	<Absent>	192
J2	<Absent>	191
J2	<Absent>	207
J2	<Absent>	227
J3	<Absent>	186
J3	<Absent>	230
J3	<Absent>	210
J4	<Absent>	213
J4	<Absent>	233
J4	<Absent>	186
J5	<Absent>	186
J5	<Absent>	205
J5	<Absent>	225
J11	<Absent>	190
J15	<Absent>	216
J15	<Absent>	236

NOTES:

1. REMOVE THE APPLICABLE GRAY JUMPER WHEN EMERGENCY OR EQUIPMENT STOP SWITCHES ARE INSTALLED.
2. USE CLASS 2 CIRCUIT ONLY
3. FUNCTIONAL EARTH TERMINAL PROVIDED FOR CUSTOMER CONTROLS WIRING

Field Wiring - Commercial Rooftop Air Conditioning Units (Midrange)
Item: A1 Qty: 1 Tag(s): RTU-1



NOTES:

1. USE CLASS 2 CIRCUIT ONLY