



Fremont Sanitation District

107 Berry Parkway Cañon City, CO 81212-3900
(719) 269-9050

To: All Potential Respondents
From: Fremont Sanitation District
Date: March 12, 2025
Re: Addendum No. 2, RFP 2025-06
(Boiler System and Air Handling Unit-3 Replacement Project)

This Addendum No.2 shall become as fully a part of the above-named Request for Proposal as if therein included and shall take full and complete precedence over anything contained to the contrary.

ACKNOWLEDGMENT: Each Proposal shall indicate acknowledgment of receipt of the addendum by signing and submitting the Addenda Receipt page (Section 4.9) with the Proposal.

Each Vendor shall be responsible for reading every item on this addendum to ascertain to what extent and in what manner it affects the proposed Work. No attempt is made to list these addendum items in any special order. The result of this addendum will affect the RFP due date as follows:

NO CHANGE DUE DATE: Monday, March 31, 2025 at 4:00 PM

The following are clarifications and revisions from Fremont Sanitation District:

1. Additional Clarification-Addition to Section 1.3: The following Exhibit shall be attached to this RFP and included by reference:

- Exhibit B: Vendor submittal for existing AHU-3 dated November 16, 2010 received by Fremont Sanitation District during unit installation.

2. Additional Clarification-Addition to Section 1.7 and 2.2:

1.7: Optional pre-proposal site visit: Thursday March 13, 2025 (1:00 p.m. to 4:00 p.m.) or Monday March 17, 2025 (7:00 a.m. to 10:00 a.m.).

2.2 Fremont Sanitation District will provide additional opportunity to any vendor who attended the pre-proposal meeting (or their potential sub-contractors) held on March 11, 2025 an opportunity for further site visit and inspection of the project site on Thursday, March 13, 2025 from 1pm to 4pm or Monday March 17, 2025 from 7am to 10 am.



Attendance for this site visit is optional and is not mandatory and no appointment is necessary. Any vendors or their potential sub-contractors attending this site visit will be required to sign in with current contact information. Fremont Sanitation District staff will be available to support additional inspections but will not be available for questions. Any additional questions must be submitted in writing to ensure that all vendors have access to the full record of issues and concerns discussed regarding this RFP.

All terms and conditions of the original Request for Proposal (RFP) shall remain unchanged and the subsequent proposals received as a result of this solicitation shall be opened and evaluated in accordance with those terms and conditions. Please sign the acknowledgement of addenda receipt page (Section 4.9 of the RFP) and return it with your proposal. Failure to acknowledge this addendum in writing may be cause for rejection of your Proposal. Any questions regarding this RFP Addendum should be directed in writing to Toby Ormandy, Plant Superintendent at rfp@fsd.co.

END OF ADDENDUM NO. 2



Series 20 (15-25 Ton)

ZJ - 10.4 to 12.0 EER Single Pkg. R-410A AC

Date: 11/16/2010 Page: 1

Order No:

Project Name: Fremont County Sanitation District Rev DG

Model #: **J15ZJS24Q4SZZ10007**

Quantity: 1 Tag #: RTU-1

System: **J15ZJS24Q4SZZ10007**

Cooling Performance

Total capacity	169.2 MBH
Sensible capacity	152.4 MBH
Refrigerant type	R410A
Efficiency (at ARI)	12.40 EER
Ambient DB temp.	93.0 °F
Entering DB temp.	80 °F
Entering WB temp.	60.0 °F
Leaving DB temp.	48.4 °F
Leaving WB temp.	47.5 °F
Part load efficiency	13.9 IPLV
Power input (w/o blower)	11.92 kW
Sound power	89 dB(A)

Heating Performance

Entering DB temp.	60 °F
Heating output capacity (Max)	190.1 MBH
Heating input capacity (Max)	237.6 MBH
Leaving DB temp.	99.5 °F
Air temp. rise	39.5 °F
SSE	80.0 %
Stages	2

Supply Air Blower Performance

Supply air	5400 CFM
Ext. static pressure	1.1 IWG
Unit static resistance	0.10 IWG
Blower speed	1092 RPM
Duct location	Bottom
Motor rating	5.00 HP
Actual required BHP	3.44 HP
Power input	3.09 kW
Elevation	5200 ft.
Drive type	BELT

Electrical Data

Power supply	460-3-60
Min circuit ampacity	49.30 Amps
Max over-current protection	50 Amps

Dimensions & Weight

Hgt	53 in.	Len	181 in.	Wth	92 in.	
Weight with factory installed options						3084 lbs.

Clearances

Right	36 in.	Front	36 in.	Back	49 in.
Top	72 in.	Bottom	0 in.	Left	36 in.



15 Ton

- Series 20 units are manufactured at an ISO 9001 registered facility and each rooftop is completely computer-run tested prior to shipment.

STANDARD FEATURES

- Unit Cabinet Constructed of Powder Painted Steel, Certified At 1000 Hours Salt Spray Test (ASTM B-117 Standards).
- Four independent refrigerant circuits for efficient part load operation
- Scroll Compressors
- Through-the-Curb and Through-The-Base electrical and gas connections
- Standard 2" throwaway filter
- Either supply and/or return can be field converted from vertical to horizontal configuration without cutting panels.
- Full perimeter base rails with built in rigging capabilities.
- Field installed 0 - 25% manual outside air damper shipped inside unit
- Liquid line filter-driers

Standard Unit Controller: (Simplicity® Control Board)

- An integrated low-ambient control, anti-short cycle protection, lead-lag, fan on and fan off delays, low voltage protection, on-board diagnostic and fault code display.
- Safety Monitoring - Monitors the high and low-pressure switches, the freezestats, the gas valve, if applicable, and the temperature limit switch on gas and electric heat units. The unit control board will alarm on ignition failures, safety lockouts and repeated limit switch trips.

WARRANTY

- One (1) -year limited warranty on the complete unit.
- Five (5) -year warranty - Compressors and electric heater elements
- Ten (10) -year warranty - Aluminized and stainless steel tubular heat exchangers





Series 20 (15-25 Ton)

ZJ - 10.4 to 12.0 EER Single Pkg. R-410A AC

Date: 11/16/2010 Page: 2

Order No:

Project Name: Fremont County Sanitation District Rev DG

Model #: J15ZJS24Q4SZZ10007

Quantity: 1 Tag #: RTU-1

System: J15ZJS24Q4SZZ10007

Factory Installed Options

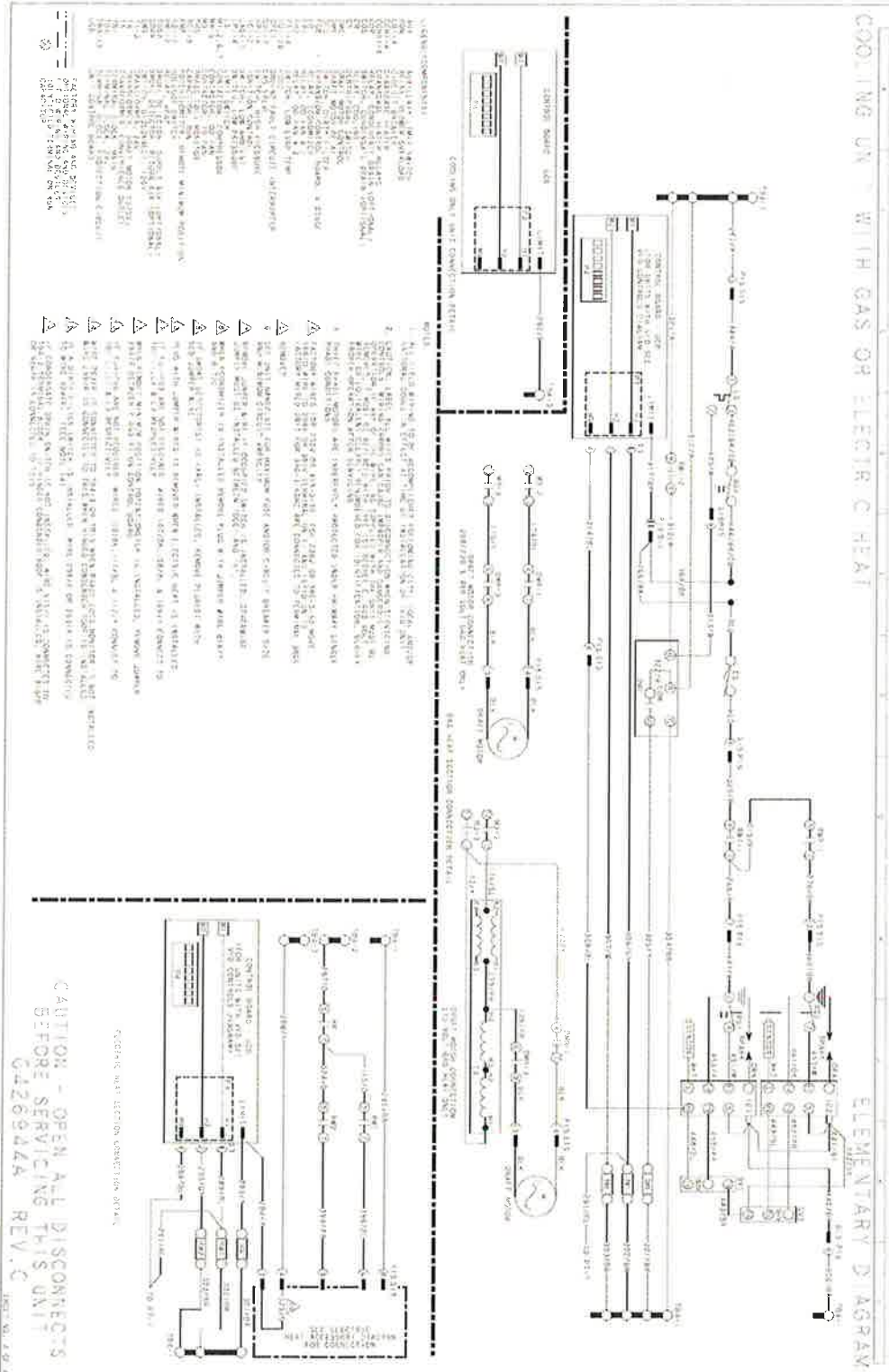
J15ZJS24Q4SZZ10007

Brand Identifier:	J	Johnson Controls
Nominal Cooling Capacity:	15	15 Ton
Product Category:	Z	Single Packaged R-410A Air Conditioner
Product Identifier:	J	
Heat Type and Nominal Heat Capacity:	S24	240 MBH Output Stainless Steel Gas Heat
Airflow:	Q	High Static Drive, Economizer, Power Exhaust (Downflow only)
Voltage:	4	460-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	ZZ	2" Pleated Filters, VAV Controller with VFD & Manual Bypass (Modbus RTU), Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels, Phase Monitor, Dirty Filter Switch, Stainless Steel Drain Pan, Technicoat Condenser Coil, Technicoat Evaporator Coil, Hot Gas Bypass
Product Generation:	1	1st Generation

Field Installed Accessories

- 1HA0409 - High Altitude Kit – Natural Gas 2000 and 6000 feet altitude. All Models. (2.0 lbs) Flat, Uninsulated, Full Perimeter (Shipped Knocked Down) (185.0 lbs)
- 1HG0412 - Hail Guard Kit (48.0 lbs)
- 1RC0437 - Roof Curb - 14" High,

Wiring Diagram 426944 4 of 4



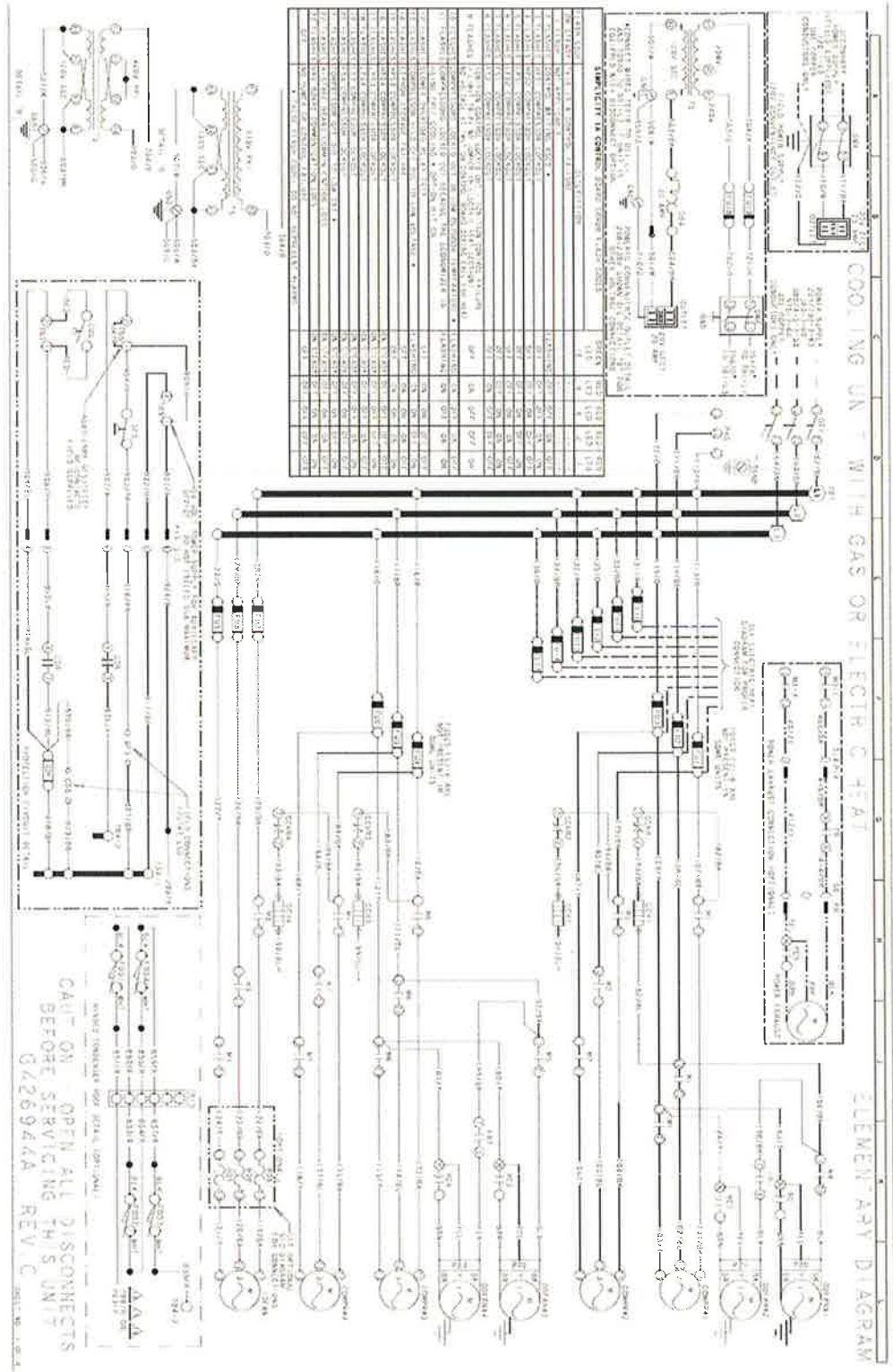
Project Name: Fremont County Sanitation District Rev DG

Model #: **J15ZJS24Q4SZ210007**

Quantity: 1 Tag #: **RTU-1**

System: **J15ZJS24Q4SZ210007**

Wiring Diagram 426944 1 of 4



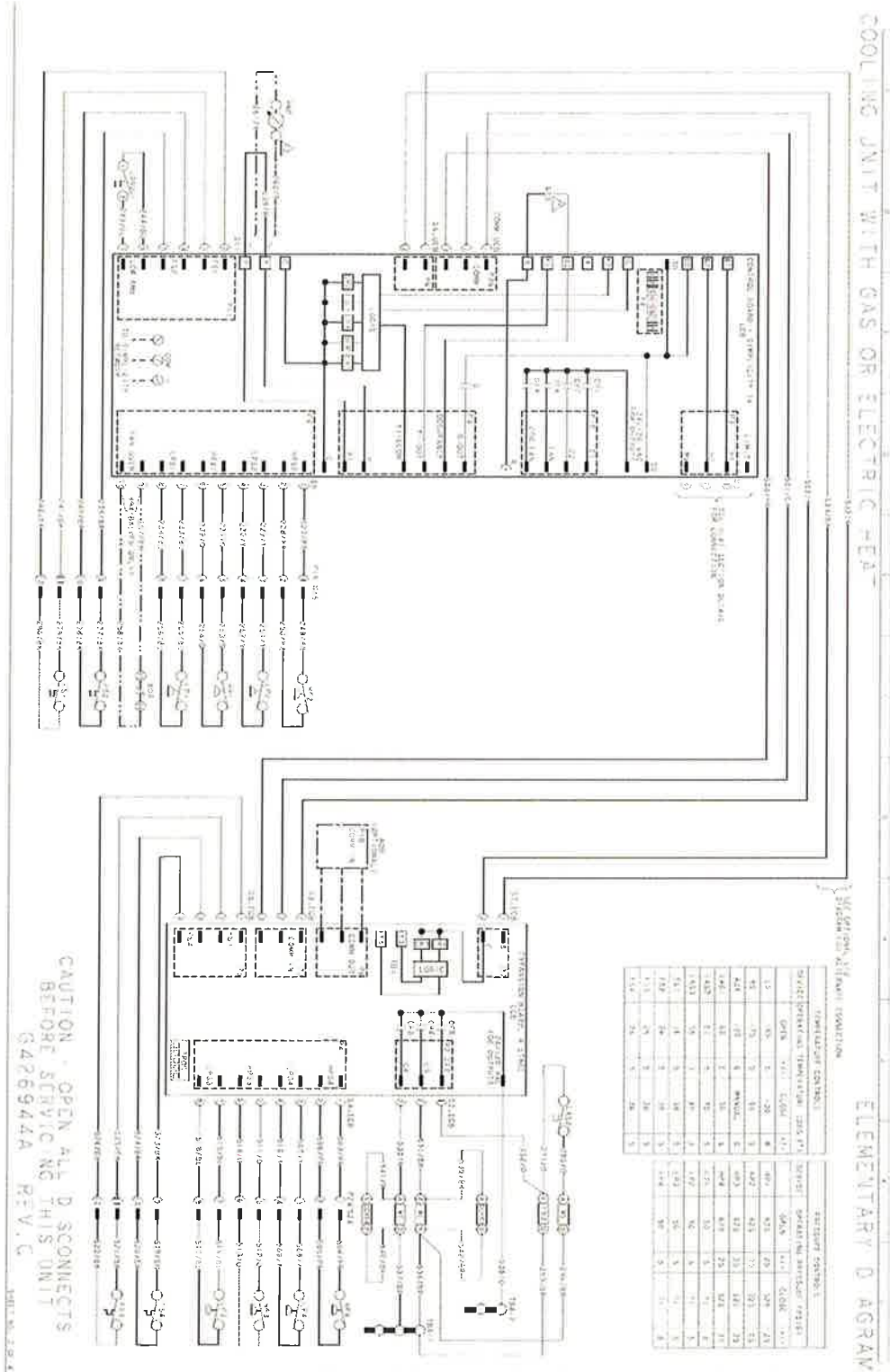
Project Name: Fremont County Sanitation District Rev DG

Model #: **J15ZJS24Q4SZZ10007**

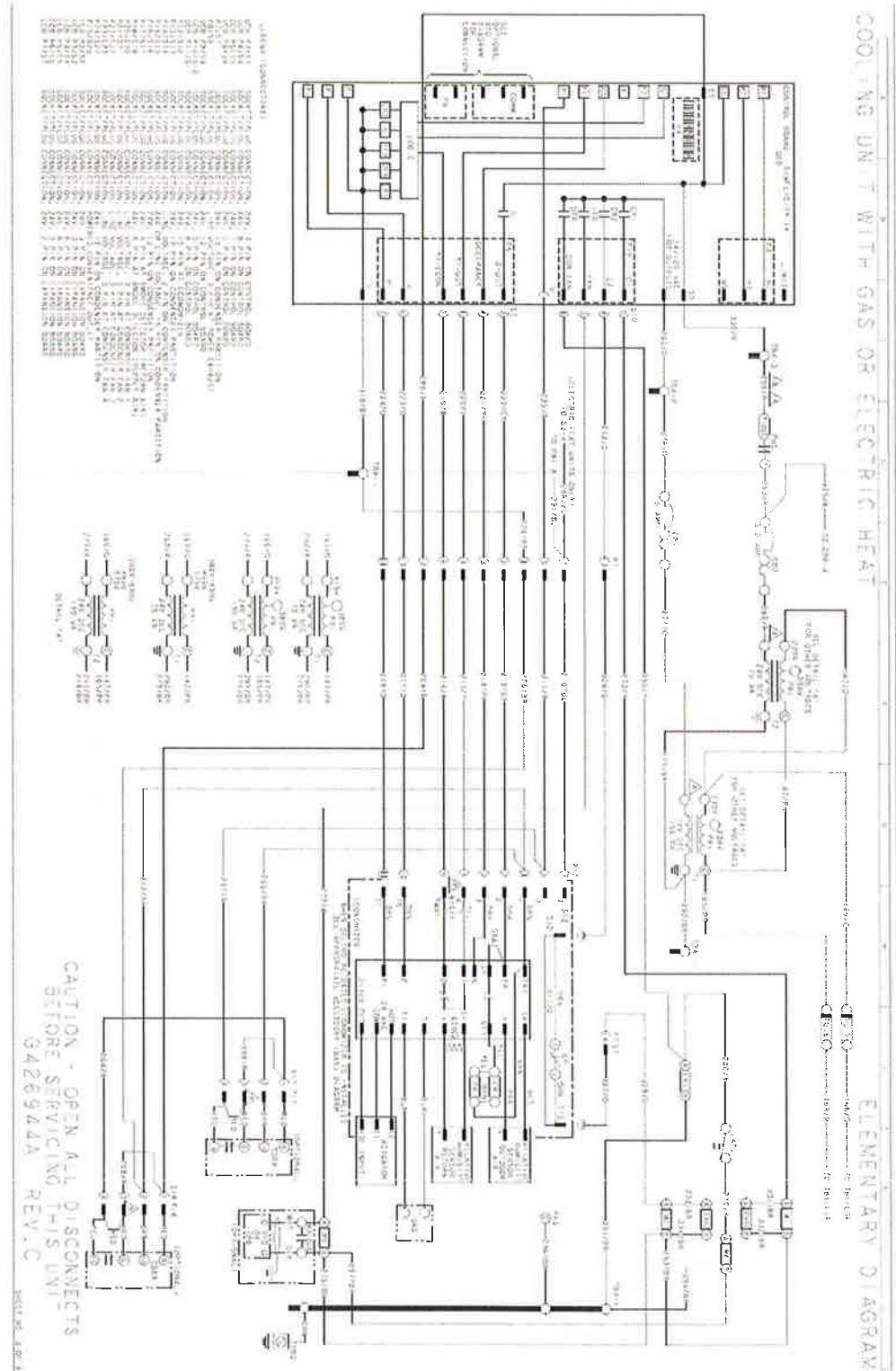
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Wiring Diagram 426944 2 of 4



Wiring Diagram 426944 3 of 4





Series 20 (15-25 Ton)

ZJ - 10.4 to 12.0 EER Single Pkg. R-410A AC

Date: 11/16/2010 Page: 7
Order No:

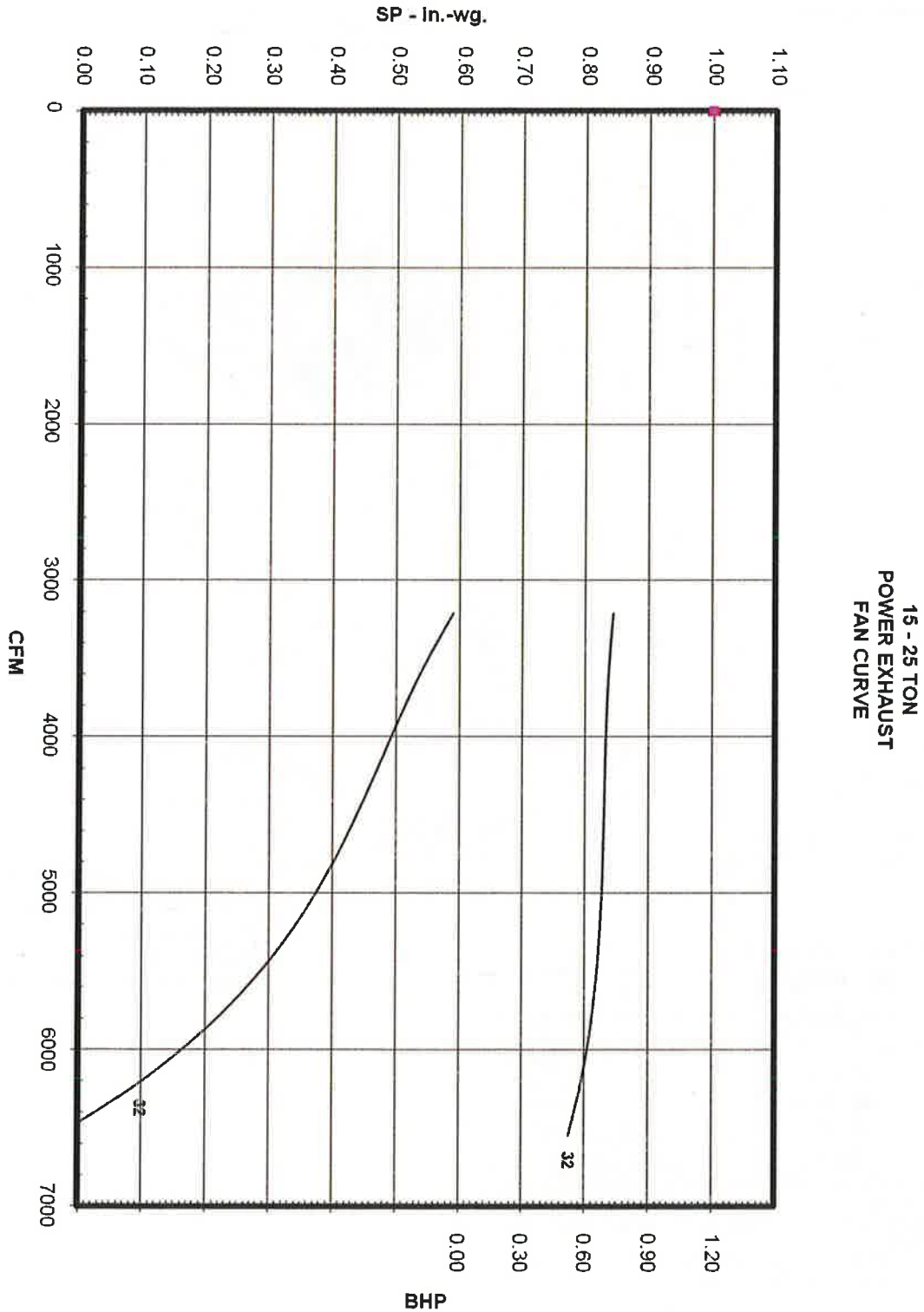
Project Name: Fremont County Sanitation District Rev DG

Model #: J15ZJS24Q4SZZ10007

Quantity: 1 Tag #: RTU-1

System: J15ZJS24Q4SZZ10007

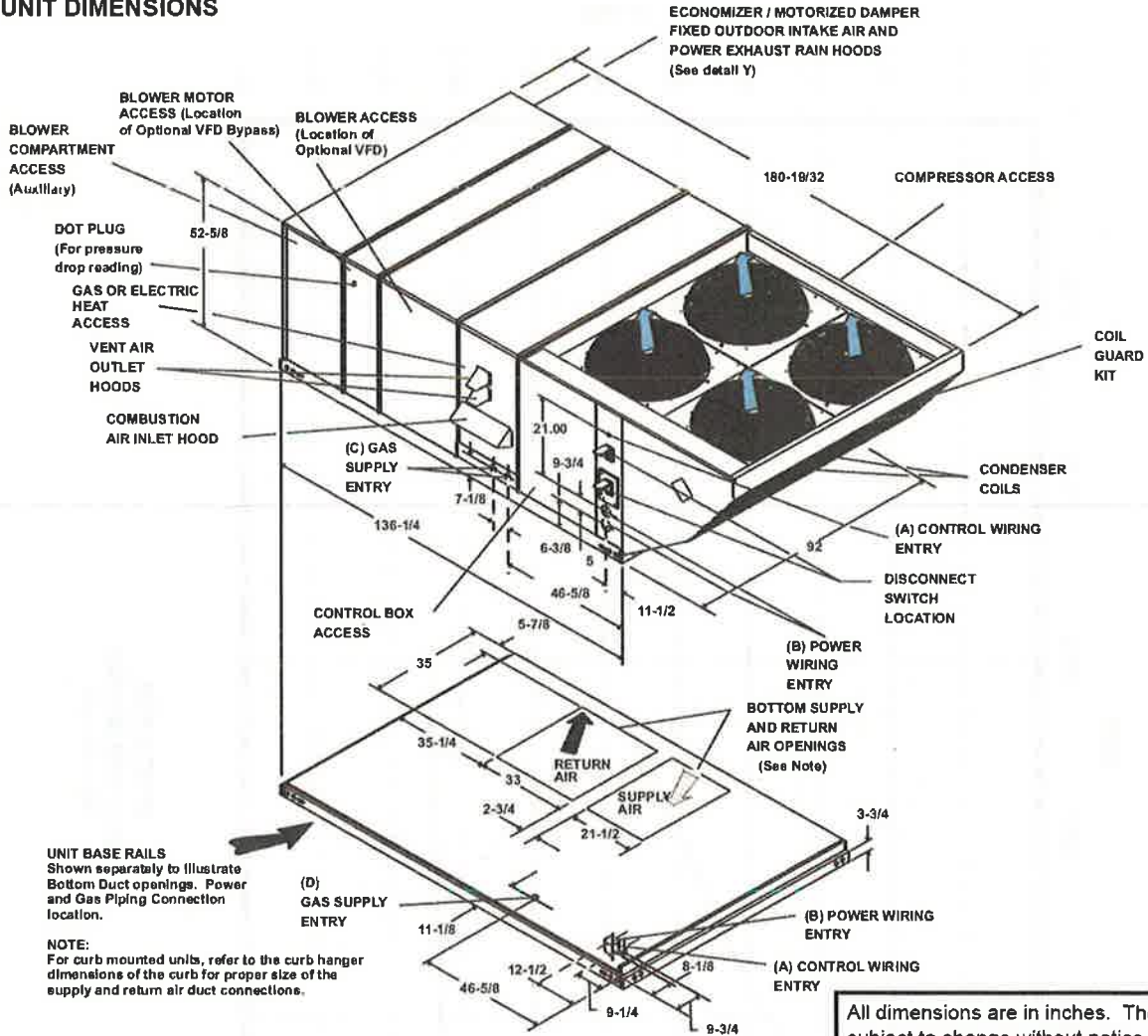
Factory Installed Power Exhaust Fan Curve 15-25 Ton



15 - 25 TON
POWER EXHAUST
FAN CURVE

Unit Dimensions Front View and Utilities Entry

UNIT DIMENSIONS



UNIT BASE RAILS
Shown separately to illustrate Bottom Duct openings. Power and Gas Piping Connection location.

NOTE:
For curb mounted units, refer to the curb hanger dimensions of the curb for proper size of the supply and return air duct connections.

All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

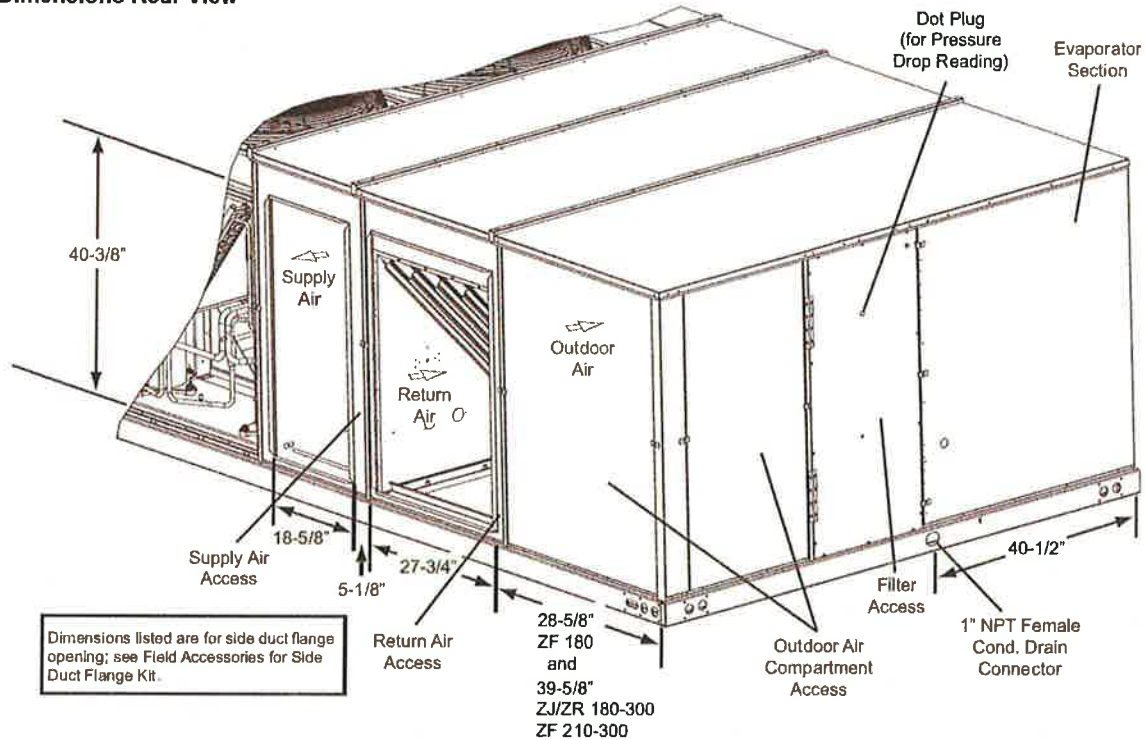
UTILITIES ENTRY DATA

HOLE	OPENING SIZE (DIA.)	USED FOR	
A	1-1/8" KO	Control Wiring	Side
	3/4" NPS (Fem.)		Bottom
B	3-5/8" KO	Power Wiring	Side
	3" NPS (Fem.)		Bottom
C	2-3/8" KO	Gas Piping (Front) ¹	
D	1-11/16" Hole	Gas Piping (Bottom) ^{1, 2}	

¹ One-Inch gas piping NPT required.
² Opening in the bottom of the unit can be located by the slice in the insulation.
NOTE: All entry holes should be field sealed to prevent rain water entry into the building.

Rear View Unit Dimensions

Unit Dimensions Rear View



Dimensions listed are for side duct flange opening; see Field Accessories for Side Duct Flange Kit.

NOTE: Units are shipped with the bottom duct openings covered. An accessory flange kit is available for connecting side ducts.

For bottom duct applications:

1. Remove the side panels from the supply and return air compartments to gain access to the bottom supply and return air duct covers.
2. Remove and discard the bottom duct covers. Duct openings are closed with sheet metal covers except when the unit includes a power exhaust option. The covering consists of a heavy black paper composition.
3. Replace the side supply and return air compartment panels.

For side duct applications:

1. Replace the side panels on the supply and return air compartments with the accessory flange kit panels.
2. Connect ductwork to the flanges on those panels.

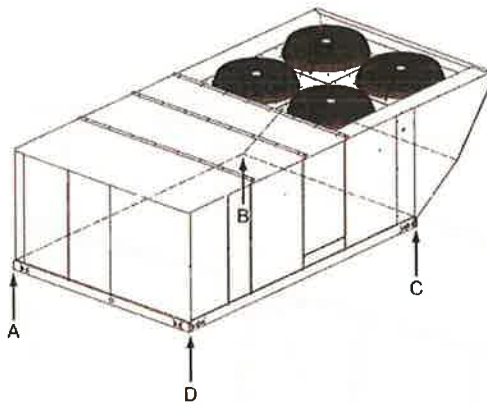
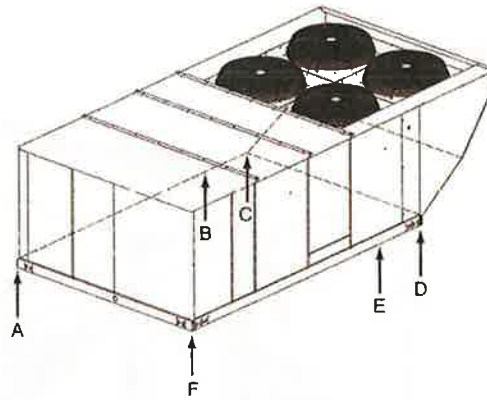
Project Name: Fremont County Sanitation District Rev DG

 Model #: **J15ZJS24Q4SZZ10007**

 Quantity: 1 Tag #: **RTU-1**

 System: **J15ZJS24Q4SZZ10007**

4 and 6 Point Loads, Center of Gravity, Unit and Accessory Weights


Unit 4 Point Load Weight

Unit 6 Point Load Weight

Unit Weights

Size (Tons)	Model	Weight (lbs.)		Center of Gravity		4 Point Load Location (lbs.)				6 Point Load Location (lbs.)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
J15 (15)	ZJ	2614	2609	85.25	44	467	781	852	510	287	392	568	620	428	313
J18 (17.5)	ZJ	2670	2665	85.25	44	477	797	870	520	293	401	580	633	437	320
J20 (20)	ZJ	2702	2697	85.05	44	485	805	878	529	298	406	585	638	443	326
J25 (25)	ZJ	2788	2783	85.25	44	498	833	908	544	306	419	606	661	457	334
J15 (15)	ZR	2365	2360	85.25	44	422	706	770	461	260	355	514	561	387	284
J20 (20)	ZR	2665	2660	85.05	44	478	794	866	522	294	401	477	630	437	321
J25 (25)	ZR	2765	2760	85.25	44	494	826	901	539	304	415	601	656	453	332

Unit Accessory Weights

Unit Accessory	Weight (lbs.)	
	Shipping	Operating
Economizer	165	160
Power Exhaust	250	245
Electric Heat ¹	40	40
Gas Heat ²	240	240
Double Wall	260	260
Motorized Damper	150	150
Barometric Damper	50	45
Econ./Motorized Damper Rain Hood	60	55
Econ./Power Exhaust Rain Hood	95	90
Wood Skid	220	220
Roof Curb	190	185
Hot Gas Bypass	10	10
Supply Fan VFD	See Supply Fan VFD Weights	

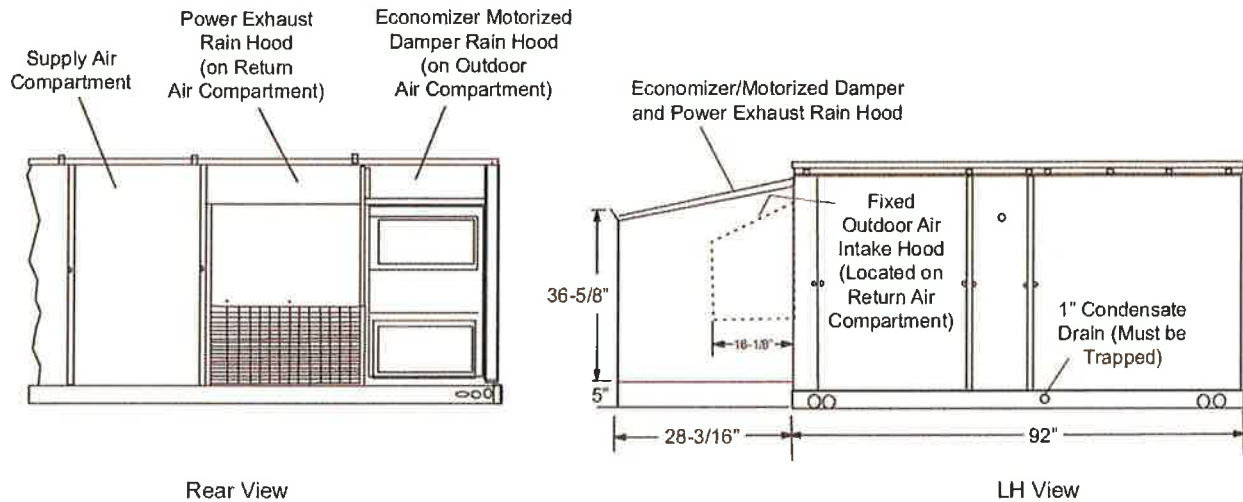
Supply Fan VFD Weights, in Lbs.

Supply Fan Motor	230V	460V	575V
W/O Manual Bypass			
5.0 hp	25	25	30
7.5 hp	30	30	30
10.0 hp	30	30	35
15.0 hp	30	30	40
W/Manual Bypass			
5.0 hp	30	30	35
7.5 hp	35	35	35
10.0 hp	35	35	40
15.0 hp	40	35	45

- Weight given is for the maximum heater size available (54KW).
- Weight given is for the maximum number of tube heat exchangers available (8 tube).

Rain Hood Unit Dimensions and Clearances

Unit Dimensions Rain Hood



Unit Clearances

Direction	Distance (in.)	Direction	Distance (in.)
Top ¹	72 With 36 Maximum Horizontal Overhang (For Condenser Air Discharge)	Right	36
Front	36	Bottom ²	0
Rear	24 (W/O Economizer)	Left	24 (W/O Economizer)
	49 (W/Economizer)		36 (W/Economizer) ³

- Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
- Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.
- If economizer is factory installed, the unassembled rain hood must be removed from its ride along position in front of the evaporator coil, or in the outdoor air compartment, prior to final installation.

Note: ELEC/ELEC Models: Units and ductwork are approved for zero clearance to combustible material when equipped with electric heaters.

GAS/ELEC Models: A 1" clearance must be provided between any combustible material and the supply air ductwork for a distance of 3 feet from the unit.

The products of combustion must not be allowed to accumulate within a confined space and recirculate.

Locate unit so that the vent air outlet hood is at least:

- Three (3) feet above any force air inlet located within 10 horizontal feet (excluding those integral to the unit).
- Four (4) feet below, four horizontal feet from, or one foot above any door or gravity air inlet into the building.
- Four (4) feet from electric and gas meters, regulators and relief equipment.

Project Name: Fremont County Sanitation District Rev DG

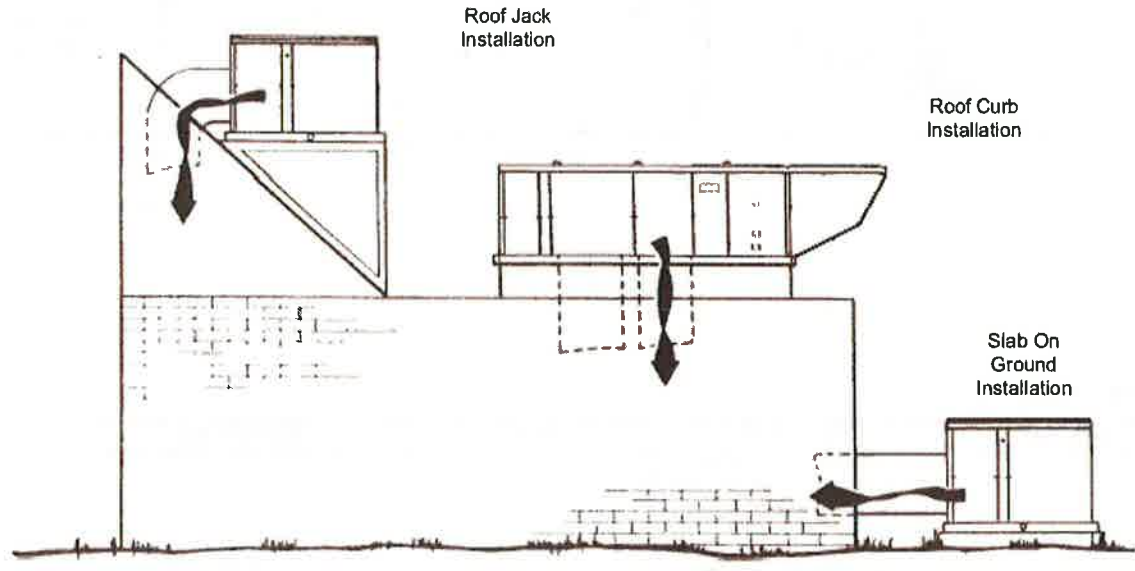
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Quantity: 1 Tag #: RTU-1

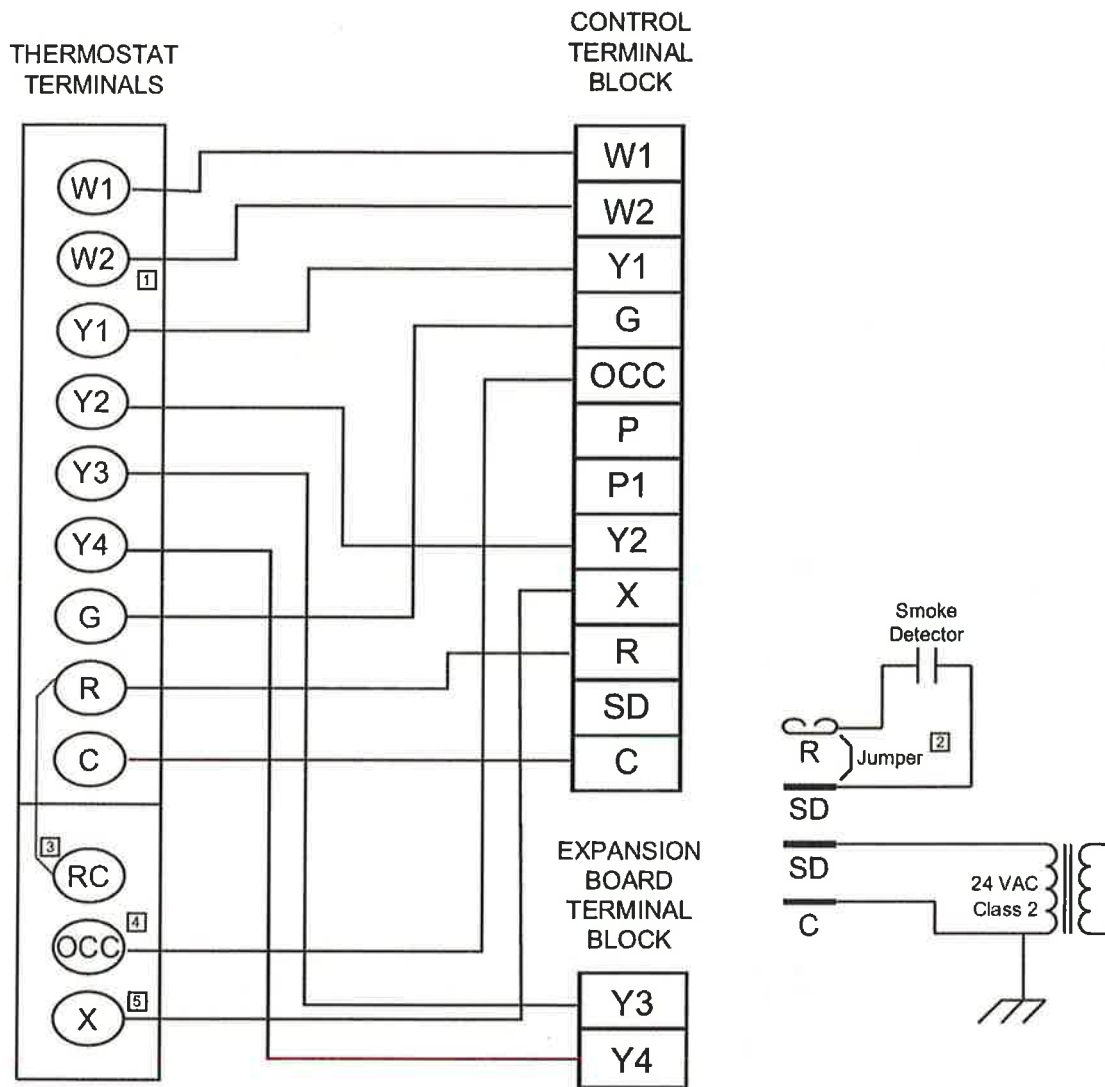
System: **J15ZJS24Q4SZZ10007**

Typical Installation

Typical Installation



Typical Control Diagram



TERMINALS ON
 A LIMITED
 NUMBER OF
 THERMOSTATS

- 1 Second stage heating not required on single stage heating units.
- 2 Jumper is required if there is no Smoke Detector circuit.
- 3 Jumper is required for any combination of R, RC, or RH.
- 4 OCC is an output from the thermostat to indicate the Occupied condition.
- 5 X is an input to the thermostat to display Error Status conditions.

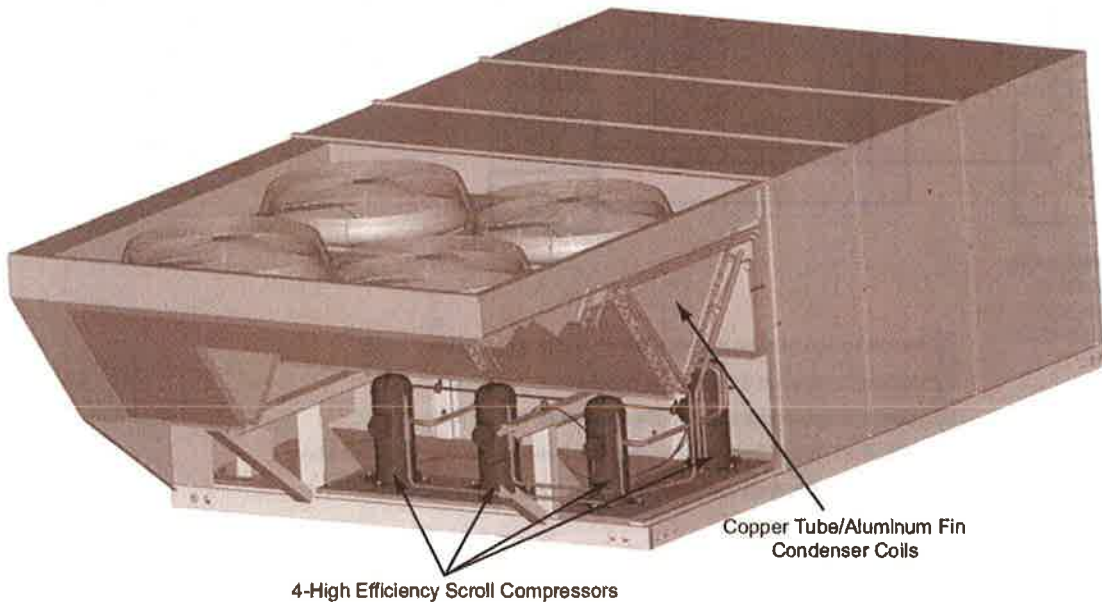
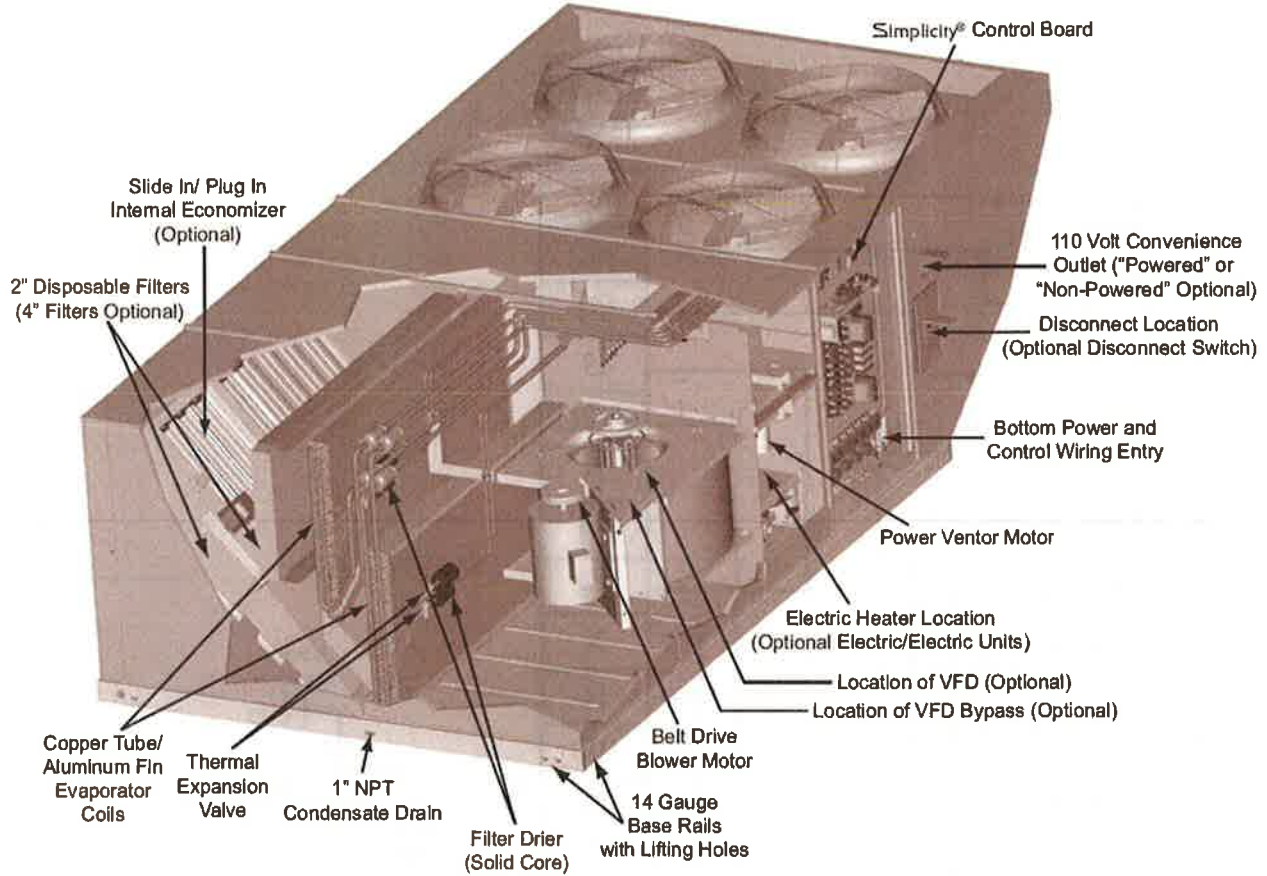
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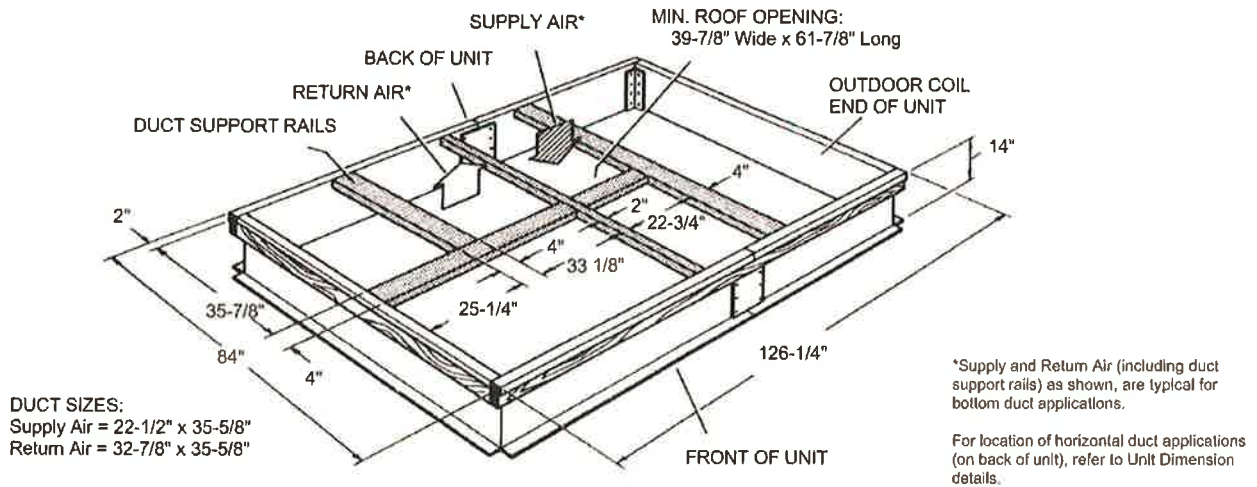
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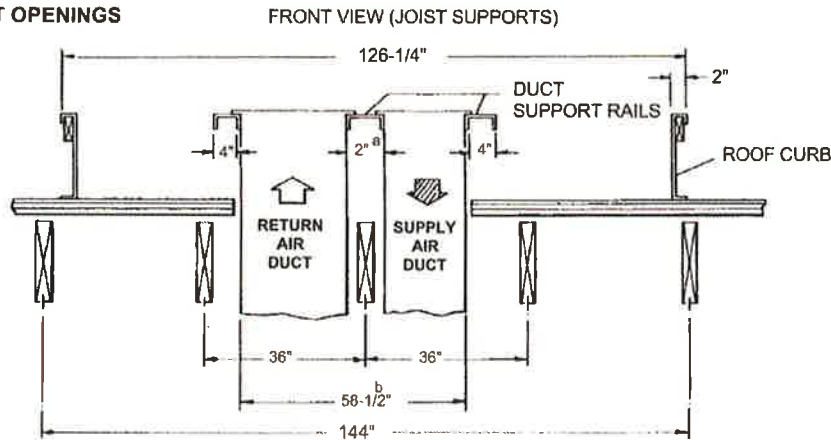
Typical Component Location



1RC0437 Roof Curb Dimensions

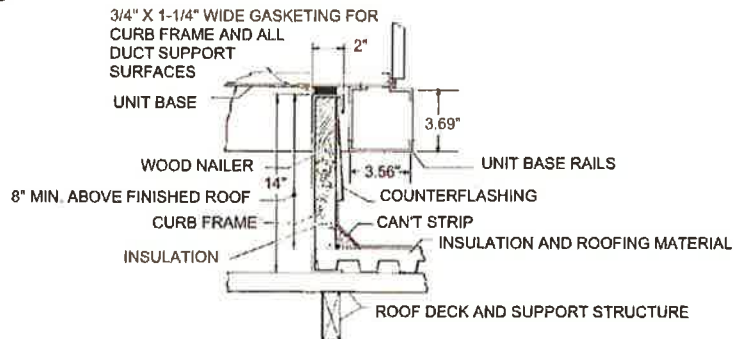


ROOF CURB DUCT OPENINGS DIMENSIONS



- a. The 2" space between the ducts allows for "jumping" an existing roof joist.
 - b. The 58-1/2" overall dimension of the ducts allows duct work penetration between roof joists that are spaced on 72" centers.
- NOTE: Ducts can be installed into the curb from the roof. All electrical and gas line connections can be made inside the curb.

CUT AWAY OF ROOF CURB



1RC0437 Roof Curb Dimensions