



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

010070
JAN 3 11 AM

152 B001

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location 1203 FOREST AVE - WOK INN Use of Building RESTAURANT Date 1/25/01
Name and address of owner of appliance WOK INN - (RICKY) 1203 FOREST AVE - PORTLAND,
MAINE 04103 797-4052
Installer's name and address AVERY SERVICES, INC
7 THOMAS DRIVE + WESTBROOK, ME 04092 Telephone (207) 772-8687 FAX 874-0933

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: BRYANT / CARRIER ROOFTOP UNIT *ACKN'D*

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT1431
- Other _____

Type of Chimney:

N/A

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas - N/A Line

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

\$30.00

1203 Forest Ave

Approved

Approved with Conditions

Fire: Wim

Ele.: _____

Bldg.: _____

See attached letter or requirement

Signature of Installer _____

PROPOSAL

AVERY SERVICES, INC.
7 Thomas Drive
WESTBROOK, MAINE 04092
(207) 772-8687

012463

FAX (207) 874-0933

TO: Wok Inn
1203 Forest Ave.
Attn: Ricky
Portland ME 04103

PHONE 797-9052 Fax 797-8808	DATE 1/24/01
JOB NAME / LOCATION Emergency Repair of existing unit and Replacement of the said unit shortly there after.	
JOB NUMBER Dca	JOB PHONE 797-9052

We hereby submit specifications and estimates for:

Avery Services, Inc. is pleased to quote as requested on the Emergency repair of the existing Rooftop Unit to get temporary heat and then replace the unit shortly thereafter. Scope of work to include:

- Remove and dispose of the existing failed heat exchanger.
 - Supply and install a new Heat Exchanger to provide temporary heat, till the new unit is installed.
 - Then remove and dispose of the existing Rooftop Gas/Electric Unit as per EPA Laws.
 - Supply and install an Adapter Curb to be set onto the existing Roof Curb.
 - Supply and install a Carrier M# 48TFE 7.5 ton Gas/Electric Rooftop Unit with Economizer, set on the new Adapter Curb.
 - Re-Tie into the existing systems; ie: low volt wiring, controls, gas piping, duct system, and power wiring if compatible.
 - Start up and check system operation.
- Price includes: Materials as above, labor, freight, taxes, permit, crane, disposal, (1) yr warranty by the Manufacturer and ASI (on the new unit only) and a (4)yr parts only extended warranty on the compressor and Heat Exchanger (on the new unit only), also includes the diagnosis/repairs from 1/23/01 & 1/24/01.

EXCLUSIONS: Power wiring if requires rework, structural, roof work, fire dampers, fire systems, repairs other than stated above and adequacy of existing systems.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of: 10,000 (10)
Ten Thousand ~~Six Hundred Forty Four~~ and 00/100 Dollars dollars (\$) ~~10,644.00~~

Payment to be made as follows:

25% upon acceptance - Balance on completion.

If payment is not made as outlined above, a service charge of 2% per month on the overdue balance plus all reasonable costs of collection, including attorney's fees will be paid.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance.

Authorized Signature

Douglas Avery

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____

NEW UNITS

48/50 DJ, HJ, QJ, TJ, LJ, GJ
008-014

48 TFE 008

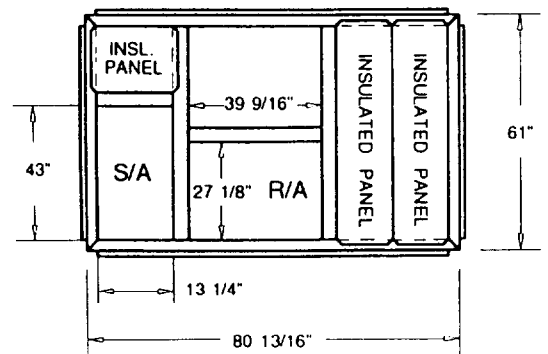
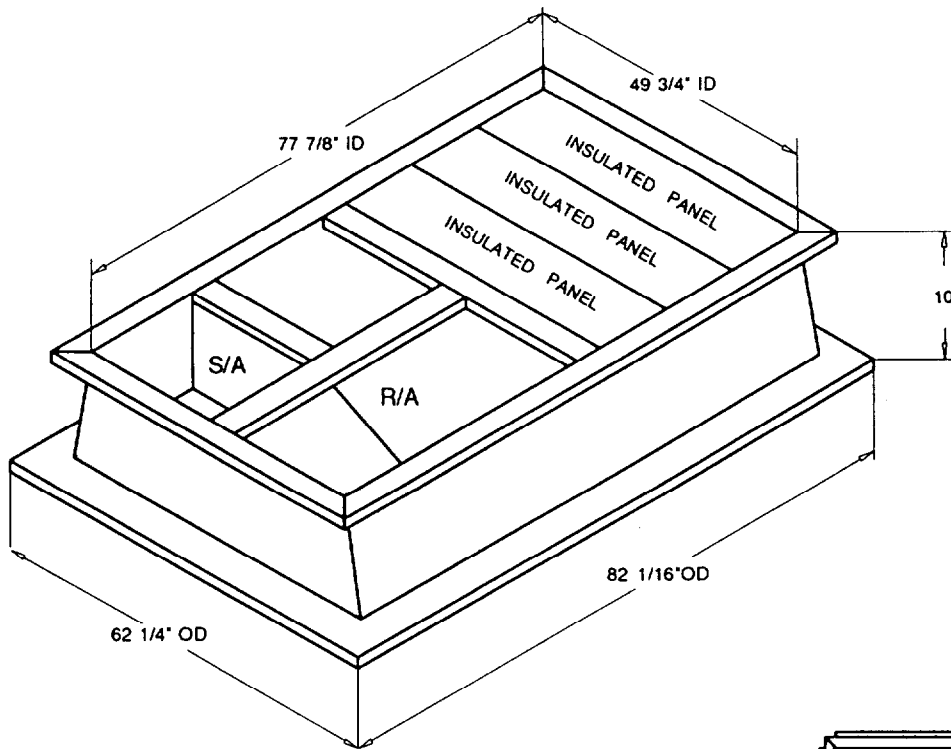
EXISTING UNITS

Carrier 48 LD, LV, HDD, LDD 008
48HD 008, 009
48HV 006, 008

Bryant 579D 090

FEATURES

- ◆ One-piece welded construction
- ◆ Curb adapter body fabricated of heavy gauge galvanized steel
- ◆ All welds sprayed with galvanizing compound
- ◆ Factory installed supply transition
- ◆ Gasketing provided for unit to adapter sealing
- ◆ Fully insulated with 1" - 1 1/2 lb. density insulation
- ◆ Sloped design for even weight distribution to existing curb



Existing Curb

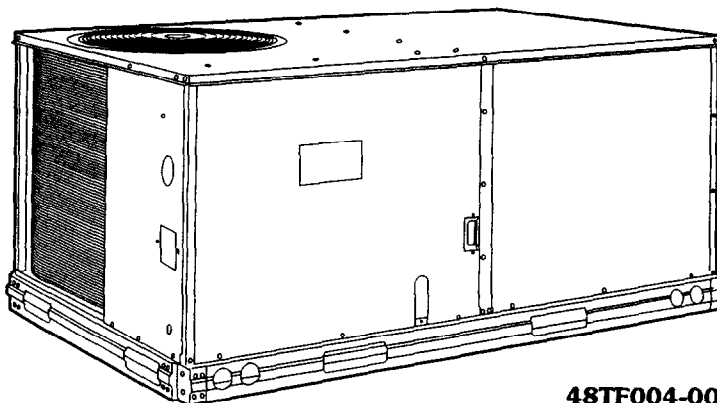


Product Data

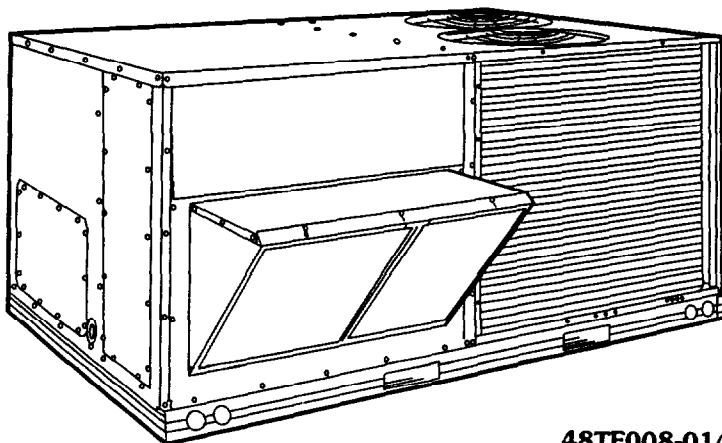
48TF004-014 Single-Package Rooftop Units Gas Heating/Electric Cooling

3 to 12.5 Nominal Tons

New Unit



48TF004-007



48TF008-014

Standard-Efficiency Rooftop Units with:

- Exclusive integrated gas control board with diagnostics
- Alumagard™ heat exchanger coating
- Induced-draft fan for gas combustion
- Tubular, dimpled heat exchangers
- Pre-painted galvanized steel cabinet for long life and quality appearance
- Commercial strength base rails with built-in rigging capability
- Convertible design for vertical or horizontal supply/return
- Non-corrosive, sloped condensate drain pan, meets ASHRAE 62 (IAQ)
- Two-inch return-air filters
- A wide assortment of factory-installed options available, including high static drives that provide additional performance range

Features/Benefits

Every compact one-piece unit arrives fully assembled, charged, tested, and ready to run.

Integrated gas controller (IGC)

All ignition components are contained in the compact IGC which is easily accessible for servicing. The IGC control board, designed and manufactured exclusively for Carrier rooftop units, provides built-in diagnostic capability. An LED (light-emitting diode) simplifies troubleshooting by providing visual fault notification and system status confirmation.

The IGC also contains an exclusive anti-cycle protection for gas heat operation. After 4 continuous cycles on the unit high-temperature limit switch, the gas heat operation is disabled, and an

Physical data — 48TF008-014 (cont)



UNIT SIZE 48TF			D/E/F008	D/E/F009	D/E/F012	D/E/F014
FURNACE SECTION						
Rollout Switch Cutout Temp (F)**			195	195	195	195
Burner Orifice Diameter (in.drill size)						
Natural Gas	Std	TFD	.120...31	.120...31	.120...31	.120...31
		TFE	.120...31	.120...31	.120...31	.129...30
Liquid Propane	Akt	TFF	.120...31	.120...31	.129...30	—
		TFD	.096...41	.096...41	.096...41	.096...41
		TFE	.096...41	.096...41	.096...41	.102...38
		TFF	.096...41	.096...41	.102...38	—
Thermostat Heat Anticipator Setting (amps)						
208/230 v and 575 Stage 1			.14	.14	.14	.14
Stage 2			.20	.20	.20	.20
460 v Stage 1			.14	.14	.14	.14
Stage 2			.20	.20	.20	.20
Gas Input (Btuh) Stage 1		TFD	125,000	125,000	120,000	180,000
		TFE	120,000	120,000	180,000	200,000
		TFF	180,000	180,000	200,000	—
Stage 2		TFD	—	—	180,000	224,000
		TFE	180,000	180,000	224,000	250,000
		TFF	224,000	224,000	250,000	—
Efficiency (Steady State) (%)			80	80	80	80
Temperature Rise Range		TFD	20-50	20-50	35-65	35-65
		TFE	35-65	35-65	35-65	40-70
		TFF	45-75	45-75	40-70	—
Manifold Pressure (in. wg)						
Natural Gas	Std		3.5	3.5	3.5	3.5
Liquid Propane	Akt		3.5	3.5	3.5	3.5
Gas Valve Quantity			1	1	1	1
Gas Valve Pressure Range Psig			0.180-0.487	0.180-0.487	0.180-0.487	0.180-0.487
in. wg			5.0-13.5	5.0-13.5	5.0-13.5	5.0-13.5
Field Gas Connection Size (in.)			1/2" / 1/4" / 3/4"	1/2" / 1/4" / 3/4"	3/4" / 1/2" / 1/4"	3/4" / 1/2"
HIGH-PRESSURE SWITCH (psig)						
Standard Compressor				450 ± 50		500 ± 50
Internal Relief (Differential)				428		428
Cutout				320		320
Reset (Auto.)						
LOW-PRESSURE SWITCH (psig)					7 ± 3	
Cutout					22 ± 7	
Reset (Auto.)						
FREEZE PROTECTION THERMOSTAT (F)						
Opens					30 ± 5	
Closes					45 ± 5	
OUTDOOR-AIR INLET SCREENS						
Quantity...Size (in.)					Cleanable	
					1...20 x 24 x 1	
					1...16 x 25 x 1	
RETURN-AIR FILTERS					Throwaway	
Quantity...Size (in.)			4...16 x 20 x 2	4...16 x 20 x 2	4...20 x 20 x 2	4...20 x 20 x 2

LEGEND

- Al — Aluminum
- Bhp — Brake Horsepower
- Cu — Copper

*Evaporator coil fin material/condenser coil fin material. Contact your local representative for details about coated fins.
 †Weight of 14-in. roof curb.

**Rollout switch lockout is manually reset by interrupting power to unit or resetting thermostat.

NOTES:

1. The 48TF004-014 units have a loss-of-charge switch located in the liquid line.
2. High-static motor not available on single-phase units.

Physical data — 48TF008-014

UNIT SIZE 48TF	D/E/F008	D/E/F009	D/E/F012	D/E/F014
NOMINAL CAPACITY (tons)	7 1/2	8 1/2	10	12 1/2
UNIT	870	880	1035	1050
A/A/R	881	896	1057	1077
A/Cu	893	907	1080	1100
Cu/Cu	44	62	62	62
Economizer	44	62	62	62
Durablade	143	143	143	143
Quantity	Reciprocating	Reciprocating	Reciprocating	Scroll
No. Cylinders (per Circuit)	2	2	2	2
Oil (oz)	42 ea	55 ea	54 ea	54 ea
REFRIGERANT TYPE	R-22			
Expansion Device	Acur™ Metering Device			
Operating Charge (lb-oz)	4-13	6-14	7-13	8-10
Circuit 1	4-13	6-14	7-13	8-10
Circuit 2	4-14	6-14	7-13	8-10
CONDENSER COIL	Enhanced Copper Tubes, Aluminum Lanced Fins			
Total Face Area (sq ft)	11.17	2.17	2.17	2.17
Rows...Fins/in.	20.50	18.00	20.47	25.00
CONDENSER FAN	Propeller Type			
Nominal Cfm	6400	6400	7000	7000
Quantity...Diameter (in.)	2.22	2.22	2.22	2.22
Motor Hp...Rpm	1/4...1100	1/4...1100	1/4...1100	1/4...1100
Watts Input (Total)	600	600	600	600
EVAPORATOR COIL	Enhanced Copper Tubes, Aluminum Double-Wavy Fins			
Total Face Area (sq ft)	3.15	3.15	3.15	4.15
Rows...Fins/in.	8.0	8.0	10.0	11.1
EVAPORATOR FAN	Centrifugal Type			
Quantity...Size (in.)	1...15 x 15	1...15 x 15	1...15 x 15	1...15 x 15
Type Drive	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Nominal Cfm	3000	3100	4000	5000
Maximum Continuous Bhp	2.40	2.40	2.40	3.70
Stid	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Motor Frame Size	56	56	56	56
High-Static	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Nominal Rpm High/Low	56	56	56	56
High-Static	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Fan Rpm Range	590-840	685-935	685-935	860-1080
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Motor Bearing Type	Ball	Ball	Ball	Ball
Maximum Allowable Rpm	860-1080	830-1085	830-1085	900-1260
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Motor Pulley Pitch Diameter Min/Max (in.)	2100	2100	2100	2100
Stid	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Nominal Motor Shaft Diameter (in.)	4.0/5.0	4.0/5.0	4.0/5.0	4.0/5.0
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Fan Pulley Pitch Diameter (in.)	7 1/8	7 1/8	7 1/8	7 1/8
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Belt, Quantity...Type...Length (in.)	1...A...49	1...A...49	1...A...49	1...A...52
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Pulley Center Line Distance (in.)	16.75-19.25	16.75-19.25	15.85-17.50	15.85-17.50
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Speed Change per Full Turn of Movable Pulley Flange (rpm)	50	50	50	50
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Movable Pulley Maximum Full Turns From Closed Position	60	60	60	60
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Factory Setting	5	5	5	5
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Factory Speed Setting (rpm)	590	685	685	860
High-Static	High-Static	High-Static	High-Static	High-Static
AR	High-Static	High-Static	High-Static	High-Static
Stid	High-Static	High-Static	High-Static	High-Static
Fan Shaft Diameter at Pulley (in.)	860	860	887	960
High-Static	High-Static	High-Static	High-Static	High-Static

**Rollout switch lockout is manually reset by interrupting power to unit or resetting thermostat.

NOTES:
1. The 48TF004-014 units have a loss-of-charge switch located in the liquid line.
2. High-static motor not available on size 014 units.

*Evaporator coil fin material/condenser coil fin material. Contact your local representative for details about coated fins.
†Weight of 14-in. roof curb.

AI — Aluminum
Bhp — Brake Horsepower
Cu — Copper

LEGEND



Base unit dimensions — 48TF008-014



UNIT 48TF	STANDARD UNIT WEIGHT		DURABLADE ECONOMIZER WEIGHT		ECONOMISER WEIGHT		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		"H"		"J"		"K"		"L"	
	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	R-in.	[mm]	R-in.	[mm]	R-in.	[mm]	R-in.	[mm]
DVE/F008	870	395	44	20	62	28	189	86	161	73	239	109	280	127	1-27/8	[378]	3-59/16	[1050]	2-911/16	[856]	2-27/16	[672]
DVE/F009	880	399	44	20	62	28	191	87	163	74	242	110	284	129	3-37/8	[1013]	3-57/16	[1050]	2-911/16	[856]	2-27/16	[672]
DVE/F012	1035	469	44	20	62	28	225	102	192	87	285	129	333	151	2-57/8	[759]	4-19/16	[1253]	3-09/16	[924]	2-107/16	[875]
DVE014	1050	476	44	20	62	28	228	103	195	88	289	131	338	153	1-27/8	[378]	4-19/16	[1253]	3-09/16	[924]	2-107/16	[875]

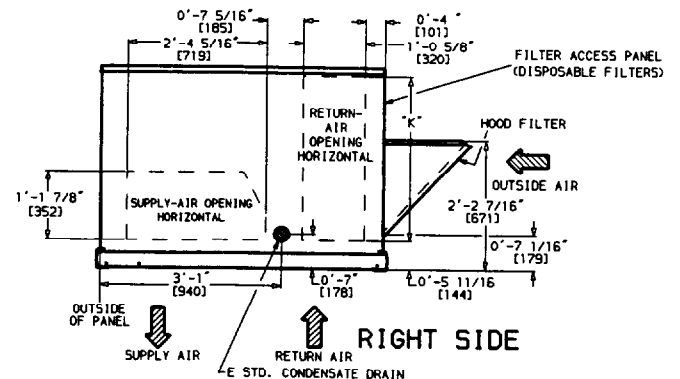
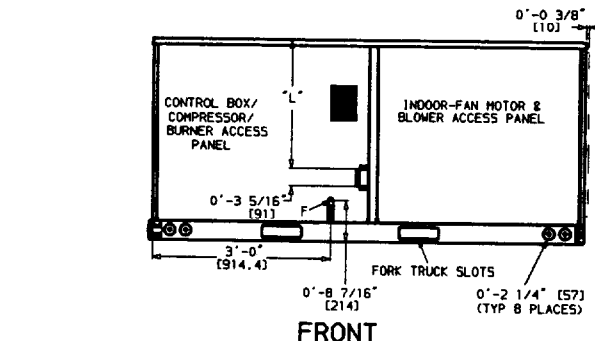
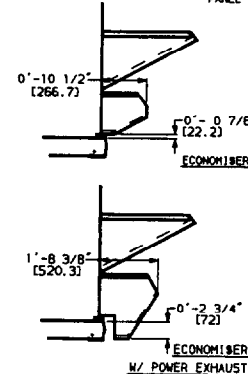
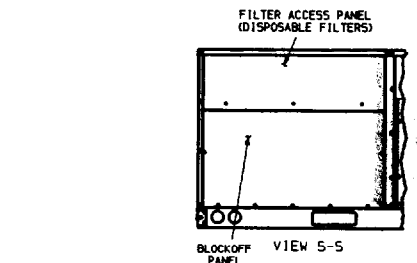
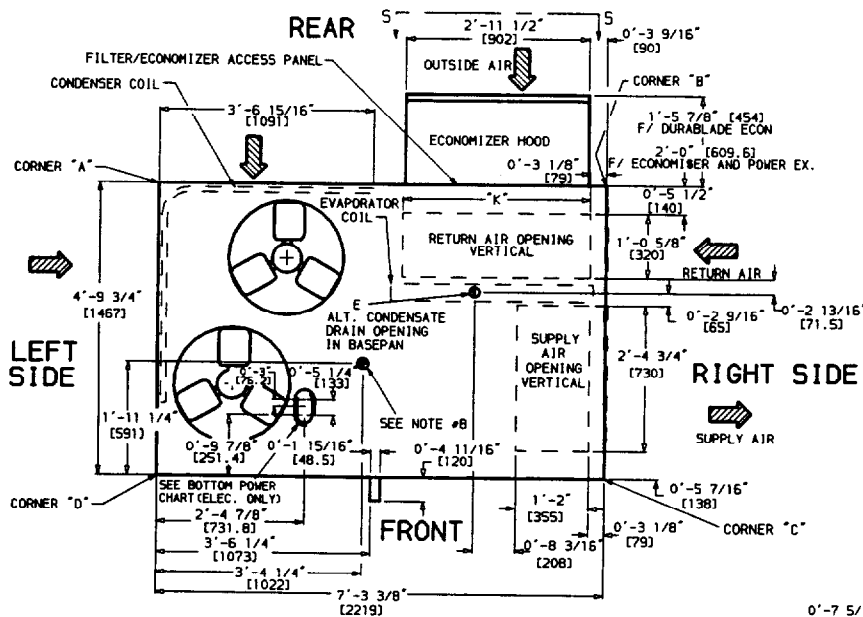
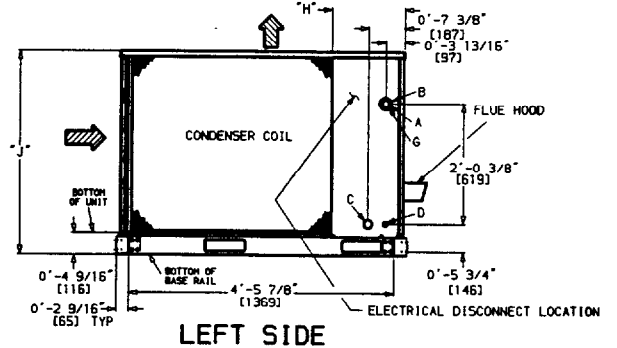
NOTES:

- Dimensions in [] are in millimeters.
- Center of gravity.
- Direction of airflow.
- On vertical discharge units, ductwork to be attached to accessory roof curb only. For horizontal discharge units, field-supplied flanges should be attached to horizontal discharge openings, and all ductwork should be attached to the flanges.
- Minimum clearance (local codes or jurisdiction may prevail):
 - Between unit, flue side and combustible surfaces, 36 inches.
 - Bottom of unit to combustible surfaces (when not using curb), 1 inch.
Bottom of base rail to combustible surfaces (when not using curb) 0 inches.
 - Condenser coil, for proper airflow, 36 in. one side, 12 in. the other. The side getting the greater clearance is optional.
 - Overhead, 60 in. to assure proper condenser fan operation.
 - Between units, control box side, 42 in. per NEC (National Electrical Code).
 - Between unit and ungrounded surfaces, control box side, 36 in. per NEC.
 - Between unit and block or concrete walls and other grounded surfaces, control box side, 42 in. per NEC.
 - Horizontal supply and return air, 0 inches.
- With the exception of the clearance for the condenser coil and combustion side as stated in notes 5a, b and c, a removable fence or barricade requires no clearance.
- Units may be installed on combustible floors made from wood or Class A, B, or C roof covering material if set on base rail.
- The vertical center of gravity is 1'-7" [483] for 008 and 009, 1'-11" [584] for 012 and 014 up from the bottom of the base rail.

CONNECTION SIZES	
A	1 1/8" Dia [35] Field Power Supply Hole
B	2 1/2" Dia [64] Power Supply Knockout
C	1 1/4" Dia [44] Charging Port Hole
D	7/8" Dia [22] Field Control Wiring Hole
E	3/4"-14 NPT Condensate Drain
F	1/2"-14 NPT Gas Connection 48TFD008 & 009 3/4"-14 NPT Gas Connection 48TFE, F008 & 009, 48TFD, E012 & 014, 48TJF012
G	2" Dia [51] Power Supply Knockout

BOTTOM POWER CHART, THESE HOLES REQUIRED FOR USE WITH ACCESSORY PACKAGES — CRBTMPWR002A00 (POWER AND CONTROL) AND CRBTMPWR004A00 (POWER, CONTROL, AND GAS)

THREADED CONDUIT SIZE	WIRE USE	REQUIRED HOLE SIZES (MAX.)
1/2"	24 V	7/8" [22.2]
1 1/4"	Power	1 3/4" [44.4]
3/4" FPT	Gas	1 5/8" [41.3]



Installation, Start-Up and Service Instructions

Old unit

48HDD,LDD Downshot Dual Compressor;
48HHD,LHD Horizontal Dual Compressor

CONTENTS

	Page
SAFETY CONSIDERATIONS	1
INSTALLATION	1-12
Step 1 — Provide Unit Support	1
• ROOF CURB	
• SLAB MOUNT	
Step 2 — Field Fabricate Ductwork	1
Step 3 — Rig and Place Unit	1
• POSITIONING	
Step 4 — Install Flue Hood	6
Step 5 — Trap Condensate Drain	6
Step 6 — Install Skirt (Downshot Units)	6
Step 7 — Install Gas Piping	6
Step 8 — Make Electrical Connections	6
• FIELD POWER SUPPLY	
• FIELD CONTROL WIRING	
• HEAT ANTICIPATOR SETTINGS	
Step 9 — Make Outdoor Air Inlet Adjustments and Install Outdoor Air Hood	8
• OPTIONAL OUTDOOR AIR DAMPER	
• OPTIONAL ECONOMIZER	
Step 10 — Adjust Evaporator Fan Speed	12
START-UP	12,13
SERVICE	13-19

SAFETY CONSIDERATIONS

Installation and servicing of air conditioning equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair or service air conditioning equipment.

Untrained personnel can perform basic maintenance functions of cleaning coils and filters and replacing filters. All other operations should be performed by trained service personnel. When working on air conditioning equipment, observe precautions in the literature, tags and labels attached to the unit and other safety precautions that may apply.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for unbrazing operations. Have fire extinguishers available for all brazing operations.

⚠ WARNING

Disconnect gas piping from unit when leak testing at pressure greater than 1/2 psig. Pressures greater than 1/2 psig will cause gas valve damage resulting in hazardous condition. If gas valve is subjected to pressure greater than 1/2 psig, it *must* be replaced before use.

⚠ WARNING

Before performing service or maintenance operations on unit, turn off main power switch to unit. Electrical shock could cause personal injury.

INSTALLATION

Step 1 — Provide Unit Support

ROOF CURB (Downshot Units Only) — Assemble and install accessory roof curb in accordance with instructions shipped with curb. See Fig. 1. Install insulation, cant strips, roofing and flashing as shown. *Ductwork must be attached to curb.*

IMPORTANT: The gasketing of the unit to the roof curb is critical for water integrity. Install gasketing material with the roof curb as shown in Fig. 1.

Curb should be level. Unit leveling tolerance is 1/16 in. per linear foot in any direction. This is necessary for unit drain to function properly. Refer to Accessory Roof Curb Installation Instructions for additional information as required.

SLAB MOUNT (Horizontal Units Only) — Provide a level concrete slab that extends a minimum of 6 in. beyond unit cabinet. The slab should be 8 in. thick with 4 in. above grade. Install a gravel apron in front of condenser air inlet to prevent grass and foliage from obstructing airflow. Trap condensate drain. Allow for trap when pouring slab.

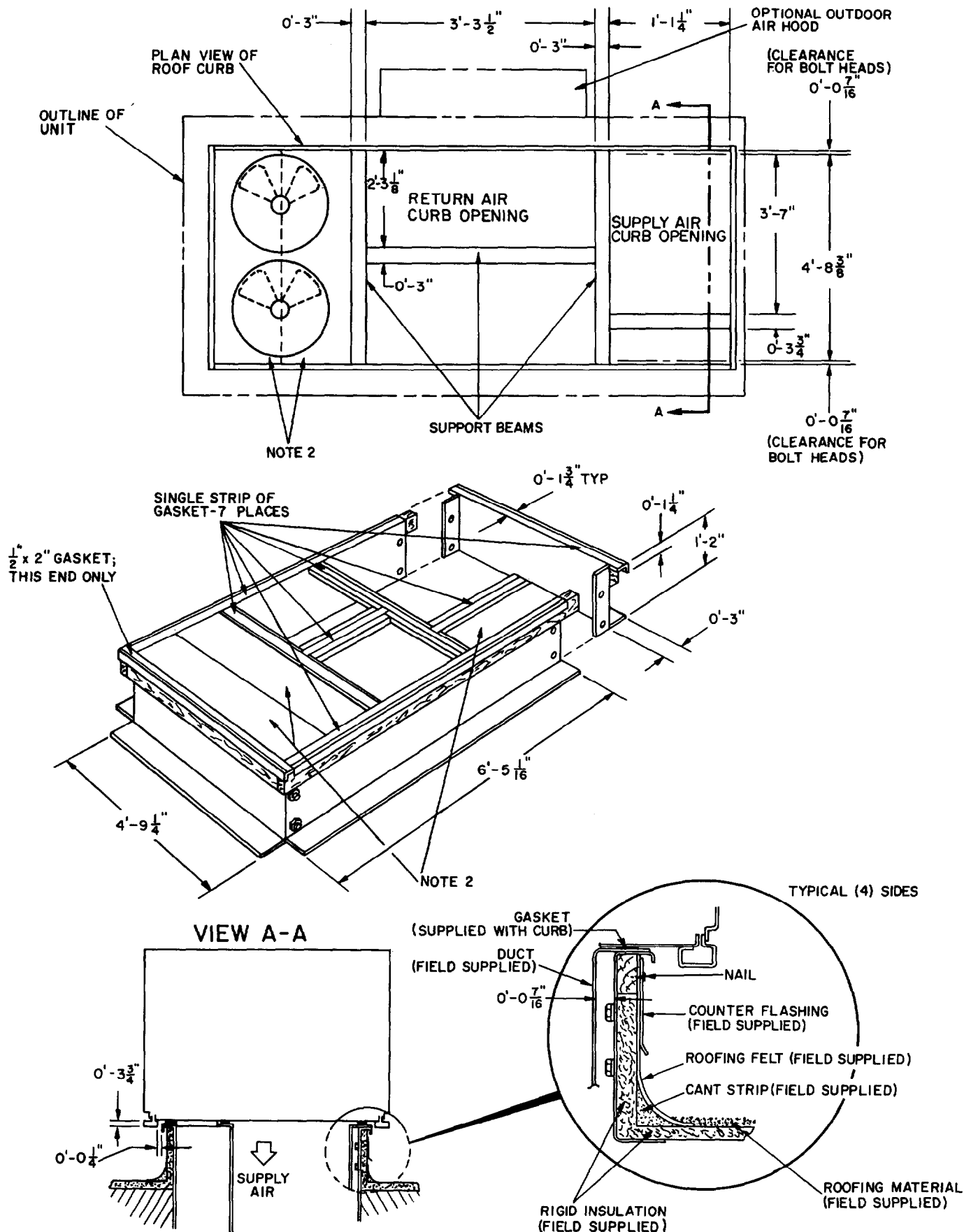
Step 2 — Field Fabricate Ductwork — On downshot units secure all ducts to roof curb and building structure. *Do not connect ductwork to unit.* Insulate and weatherproof all external ductwork, joints and roof openings with flashing and mastic in accordance with applicable codes. On horizontal units secure all ductwork to flanges on unit supply air and return air openings and building structure.

Ducts passing through an unconditioned space must be insulated and covered with a vapor barrier.

A minimum clearance is not required around ductwork. Cabinet return air static shall not exceed -.35 in. wg with economizer or -.45 in. wg without economizer.

Step 3 — Rig and Place Unit — Inspect unit for transportation damage. File any claim with transportation agency. Keep upright and do not drop. Spreader bars are not required if top crating is left on unit. Rollers may be used to move unit across a roof. Level by using unit frame as a reference, leveling tolerance is ± 1/16 in. per linear foot in any direction. See Fig. 2 for additional information. Weight is shown in Table 1.

Lifting holes are provided in base rails as shown in Fig. 2. Refer to rigging instructions on unit.



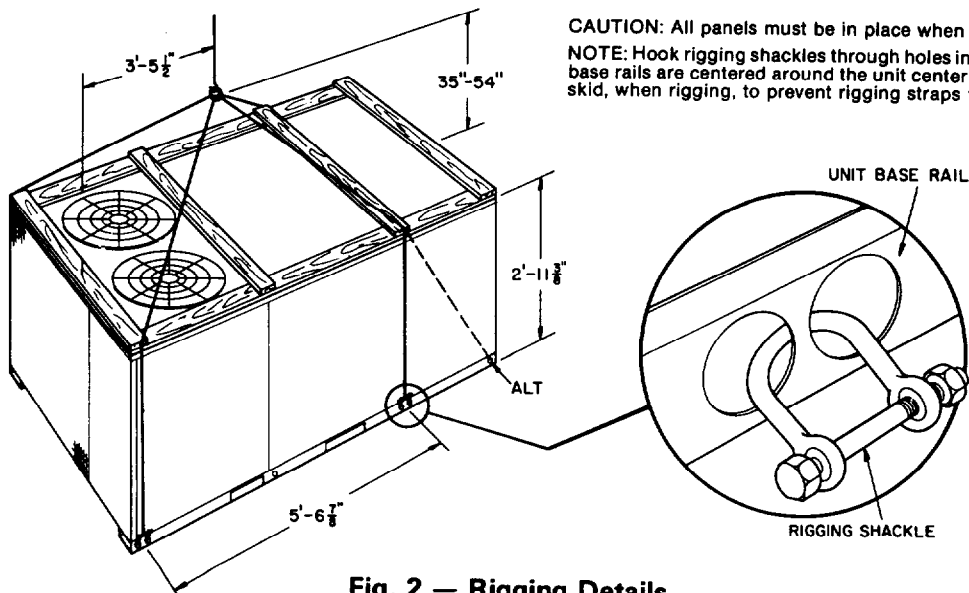
- NOTES:
1. Roof curb accessory is shipped disassembled.
 2. Insulated panels, with one-in. thick isocyanurate foam, 2-lb density.
 3. Attach all ductwork to roof curb.

Fig. 1 — Roof Curb Details

Table 1 — Physical Data

UNIT SIZE 48 SERIES	008	
OPER WT (lb)	HDD,HDD	LDD,LHD
Unit with Economizer Roof Curb	845 1005 (HDD) 125 (HDD)	841 965 (LDD) 125 (LDD)
COMPRESSOR Quantity...Type Oil (oz)	2...P46 124	
REFRIGERANT (R-22) Charge (lb)	6.2 per system	
CONDENSER COIL Rows Fins/in. Total Face Area (sq ft)	2 13.9 15.6	
CONDENSER FAN Nominal Cfm Quantity...Diameter (in.) Motor Hp Motor Rpm	9000 2...22 ½ 1075	
EVAPORATOR COIL Rows Fins/in. Total Face Area (sq ft)	3 13.9 8.2	
EVAPORATOR FAN Quantity...Size (in.) Type Nominal Cfm Motor Hp Rpm Range Motor Pulley Pitch Diameter (in.) Fan Pulley Pitch Diameter (in.) Belt, Quantity...Type...Length (in.) Speed Change per Full Turn of Moveable Pulley Flange (Rpm) Moveable Pulley Max Full Turns from Closed Position Factory Setting Full Turns Open Factory Speed Setting (Rpm)	1...12x12 Belt Drive 3000 1.5 852-1127 (@ 1 turn open) 2.4-3.4 5.0 1...A...45 69 5 4½ 885	
FURNACE SECTION	HDD,HDD	LDD,LHD
Temperature Rise (F)	35-65	15-45
Heating Input (Btuh)	203,000	114,000
Output Capacity (Btuh)	160,370	91,200
Burner Orifice Diameter (in. ...drill size) Natural Gas	.136...29	.113...33
Pilot Orifice Diameter (in. ...drill size) Natural Gas	.036...64	.033...66
Thermostat Heat Anticipator Setting	1.2	
480 v	1.0	
208/230 v		
HIGH-PRESSURE SWITCH Cutout (psig) Reset (psig)	426 ± 7 320 ± 20	
LOW-PRESSURE SWITCH (Suction Line) Cutout (psig) Reset (psig)	27 ± 4 67 ± 7	
AIR INLET SCREENS* Quantity...Size (in.)	2...19x31x½	
RETURN AIR FILTERS* Quantity...Size (in.)	2...16x20x1 2...20x20x1	

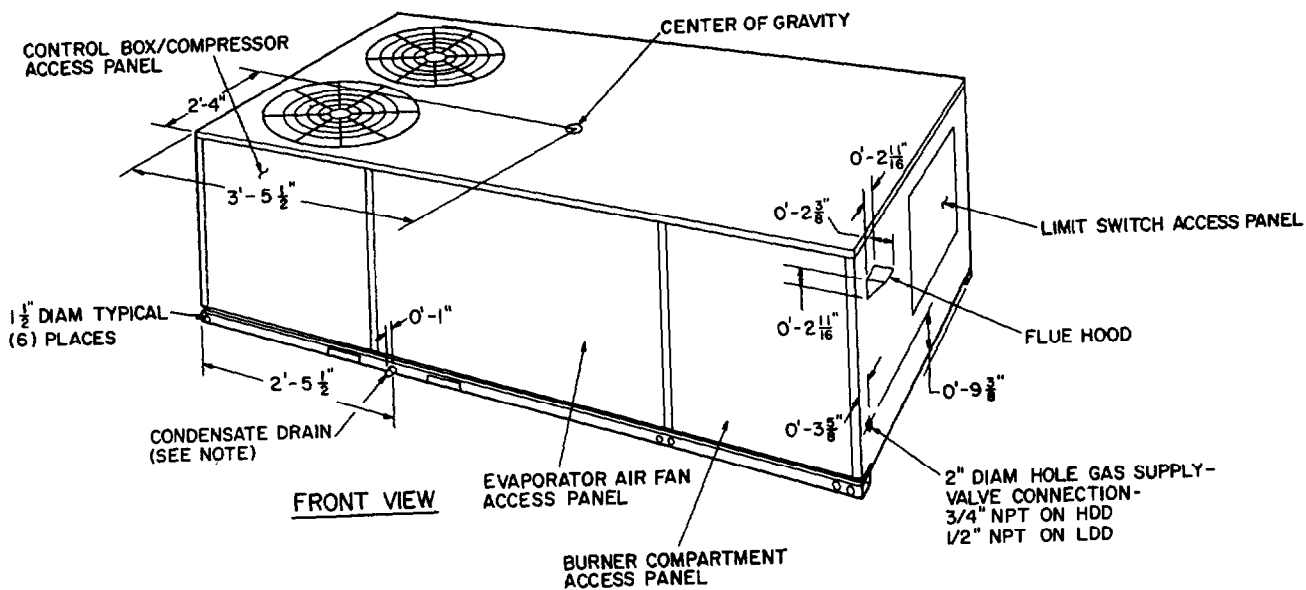
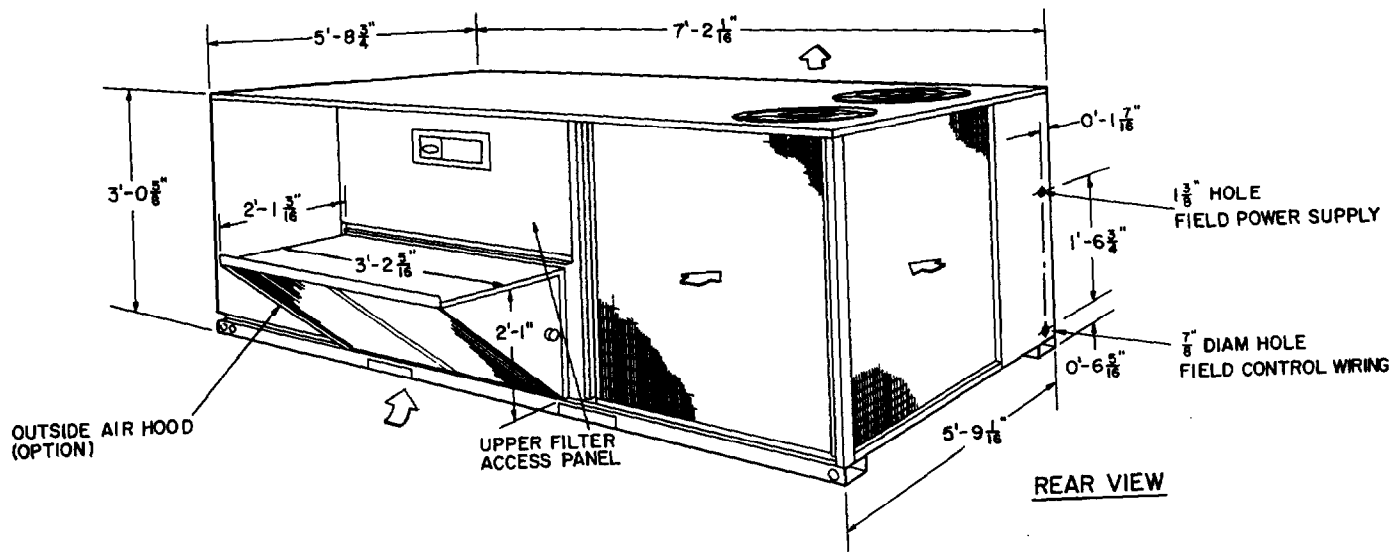
*48HDD,LDD units (downshot) only.



CAUTION: All panels must be in place when rigging.

NOTE: Hook rigging shackles through holes in base rail as shown. Holes in base rails are centered around the unit center of gravity. Use wooden top skid, when rigging, to prevent rigging straps from damaging unit.

Fig. 2 — Rigging Details



- ➡ CONDENSER AIRFLOW
- ◁ EVAPORATOR AIRFLOW

NOTES:

1. AGA minimum clearance to combustibles: 48 in. all sides, unobstructed above.
2. Minimum clearance from condenser coil for proper airflow: 36 in. opposite one coil; 12 in. opposite other coil (optional as to which coil); 72 in. overhead.

3. Minimum recommended clearance for service: 36 in. each side; 60 in. overhead.
4. Factory-supplied condensate drain hose to be field attached, 1 $\frac{1}{2}$ in. OD x $\frac{3}{4}$ in. ID, in horizontal position through base rail. Field-supplied trap required.
5. Economizer available on downshot unit only.

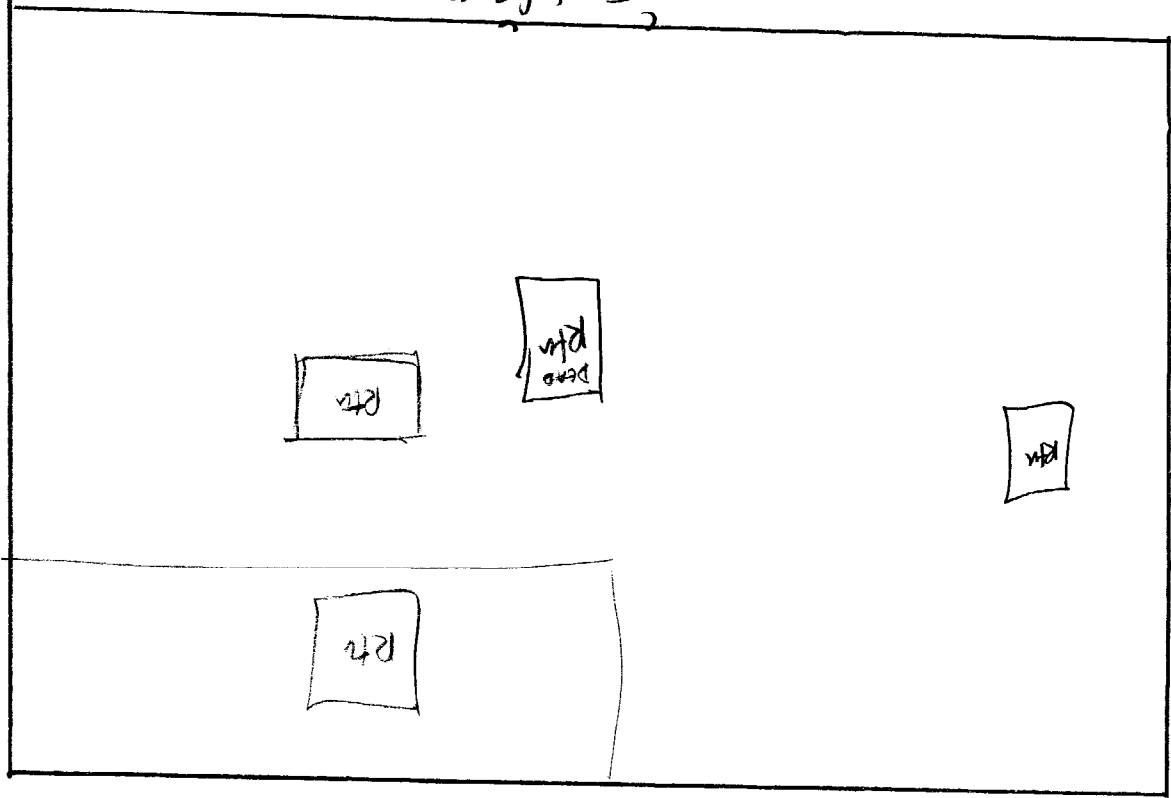
Fig. 3 — Downshot Base Unit Dimensions

FRONT ST AVE

FRONT of STATE

Parking lot

Parking lot



DOR INN
Portland