

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 9713079**  
**Insp Area: 1**

**Site Address: 1015 FRONT ST SAC**  
Parcel No: 0060071035

Sub-Type: REM  
Housing (Y/N): N

**CONTRACTOR**  
AIRCO MECHANICAL INC  
5720 ALDER AV  
SACRAMENTO CA 95828  
Phone: 916-381-4523

**OWNER**  
FRANK FAT PROPERTIES  
1015 FRONT ST  
SACRAMENTO CA 95814  
Phone:

**ARCHITECT**  
Phone:

**Nature of Work: CHANGE OUT HVAC ON ROOF - TWO UNITS**

**CONSTRUCTION LENDING AGENCY:** I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

**LICENSED CONTRACTORS DECLARATION:** I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C-36 License Number 572243 Date 9-22-97 Contractor Signature [Signature]

**OWNER-BUILDER DECLARATION:** I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

\_\_\_\_ I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

\_\_\_\_ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

\_\_\_\_ I am exempt under Sec. \_\_\_\_\_ B & PC for this reason: \_\_\_\_\_

Date \_\_\_\_\_ Owner Signature \_\_\_\_\_

**IN ISSUING THIS BUILDING PERMIT,** the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

Date 9-22-97 Applicant/Agent Signature [Signature]

**WORKER'S COMPENSATION DECLARATION:** I hereby affirm under penalty of perjury one of the following declarations:

\_\_\_\_ I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

\_\_\_\_ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Calif Comp Policy Number W969001801 9/30/97

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 9-22-97 Applicant Signature [Signature]

**WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, AND ATTORNEY'S FEE.**

**THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**

CITY OF SACRAMENTO  
 APPLICATION FOR BUILDING PERMIT  
 DEPARTMENT OF PLANNING AND DEVELOPMENT  
 BUILDING INSPECTION DIVISION  
 1231 I Street, Room 200  
 Sacramento, CA 95814  
 (916) 264-7619 FAX 264-7046

*map Book B3  
297*

ADDRESS 1015 Front Street P.C. # 5283  
 PARCEL # 006 0071 035 SUITE #  
 AREA # 1C

CONTACT  LICENSED CONTRACTOR  
 NAME Robert Whitney NAME  
 ADDRESS 5700 Alder Ave ADDRESS  
Sacramento ZIP 95828 ZIP  
 PHONE 916-3814528 PHONE LK#

ARCH./ENG.  OWNER/TENANT  
 NAME Marc Shaffer & Associates NAME Frank Fats Properties  
 ADDRESS 3639 El Camino Ave ADDRESS 1015 Front St  
Sacramento ZIP 95821 Sac ZIP 95814  
 PHONE 488-0793 PHONE

WILL THE PERMITEE HAVE ANY EMPLOYEE'S ON THE JOBSITE?  YES  NO  
 NATURE OF WORK IN DETAIL:

D.B.A. California Fats  VALUATION \$40,000  
BELOW THIS LINE FOR BLDG. DEPT. USE ONLY

FLOOD STATUS Cont  S.C.A.T.

JOB DESCR. BLDG SHEL APT TI( ) REM SW FIRE ADD OTH  
 INSP. DISCIPLINES  BLDG  MECH  PLUMB  ELEC  SITE  FIRE

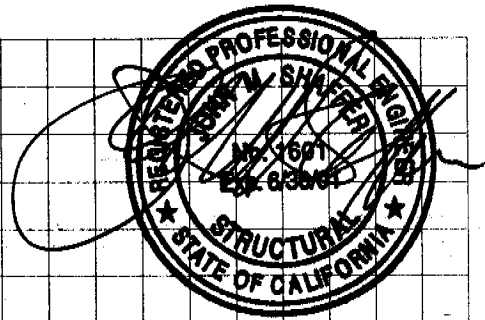
# OF STORIES	AREA 1ST FL.	TOTAL AREA	USE ZONE	OCCUP. GROUP	CONST. TYPE	FIRE SPRINK.	FED CODE	VIO. FILE
			<u>C3</u>	<u>H3</u>	<u>VU</u>	<u>Y</u>	<u>10</u>	
<u>B</u>	<u>L</u>	<u>P</u>	<u>M</u>	<u>E</u>	<u>F</u>	<u>S</u>	<u>D</u>	<u>R</u>

COMMENTS:  
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ISSUED

SEP 18 1997

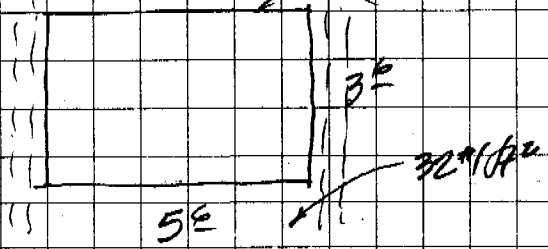
Sacramento Building Division



New Mech Units on roof

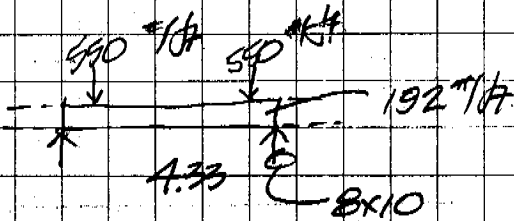
Two (2) units — 2200#

$(2200/2)/5.9 = 200 \#/ft.$



HIGH ROOF

Load to beam =  $32(6) = 192 \#/ft.$  mech



$f_b = 679(12)/112.81 = 144 \text{ psi}$   
OK

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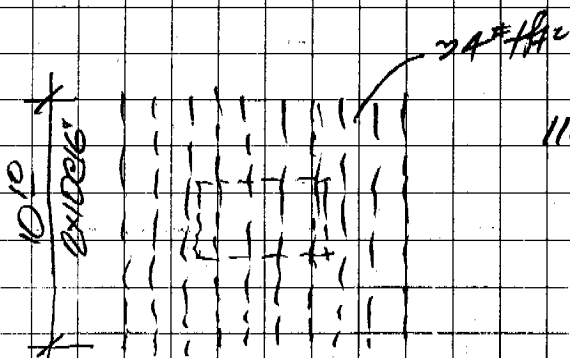
Building Inspection Division

$M = 192(4.33)^2/8 = 450 \#$   
 $590(4.33)/2 = 1191 \checkmark$   
 $-550(1.75) = -962 \checkmark$   

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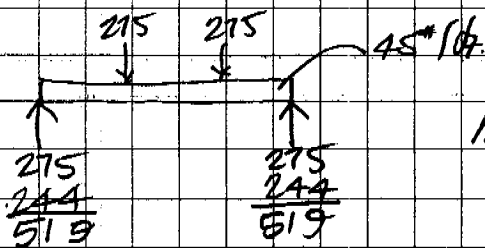
 $679 \checkmark$

LOW ROOF



$1100/4 = 275 \#$

$f_b = 1398(12)/21.39 = 784 \text{ psi}$  OK  
 $f_v = 519(1.5)/13.87 = 56 \text{ psi}$  OK



$M = 519(10.83/2) = 2810$   
 $-45(5.4)^2/2 = -656$   
 $-275(2.75) = -756$   

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 $1398$



**Product Data**

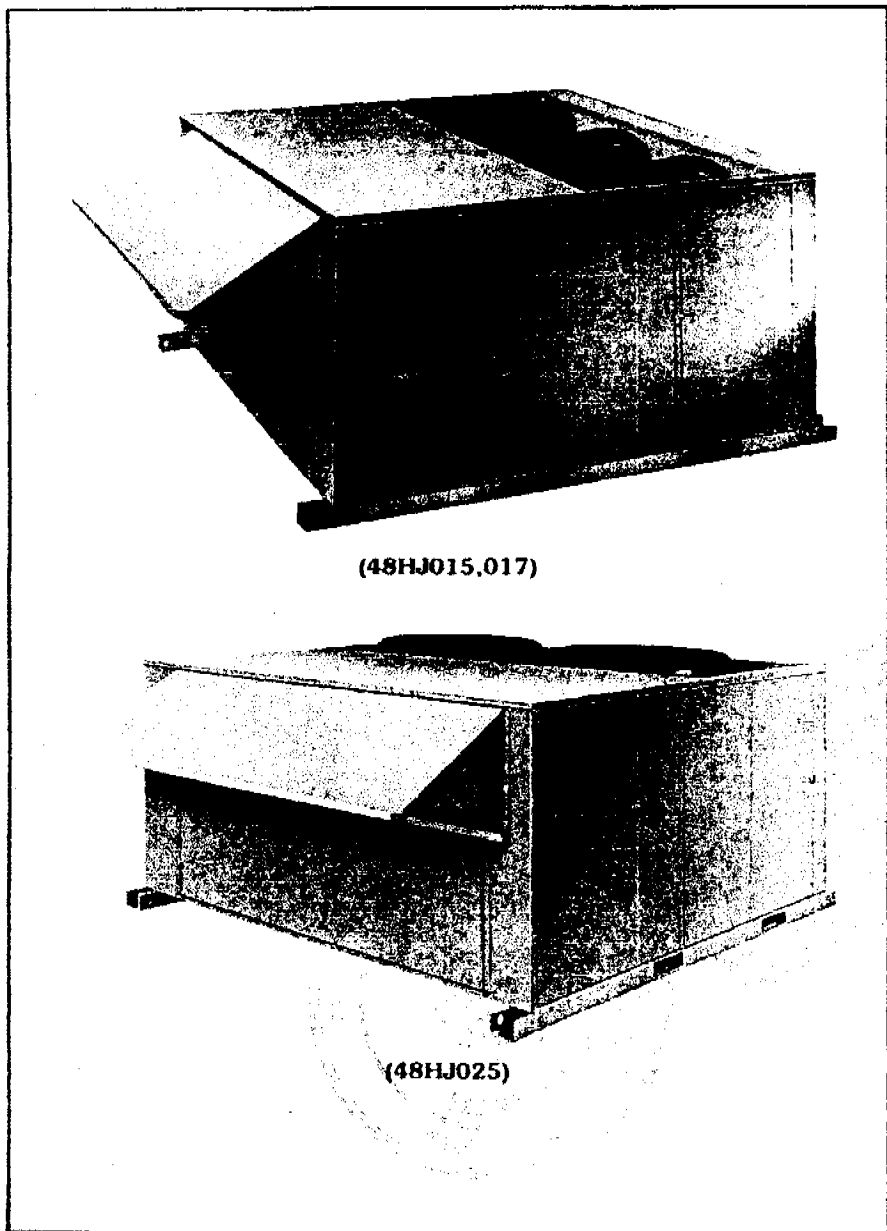
**48HJD/HJE**  
**Single-Package Rooftop Units**  
**Electric Cooling/Gas Heating**

13 to 20 Nominal Tons

**Quality Assurance**



Approvals:  
 ISO 9002  
 EN 29002  
 BS5750 PART 2  
 ANSVASOC Q92



High-performance, single-package rooftop products with the following industry-leading premium features:

- Cooling EERs up to 10.5
- Serviceable semi-hermetic compressors
- Service valves and full refrigeration system safeties
- High-static oversized fan motors (standard)
- Variable-pitch belt drive fan motors (standard)
- TEMP system compatible Apollo electronic controls (optional)

**Features/Benefits**

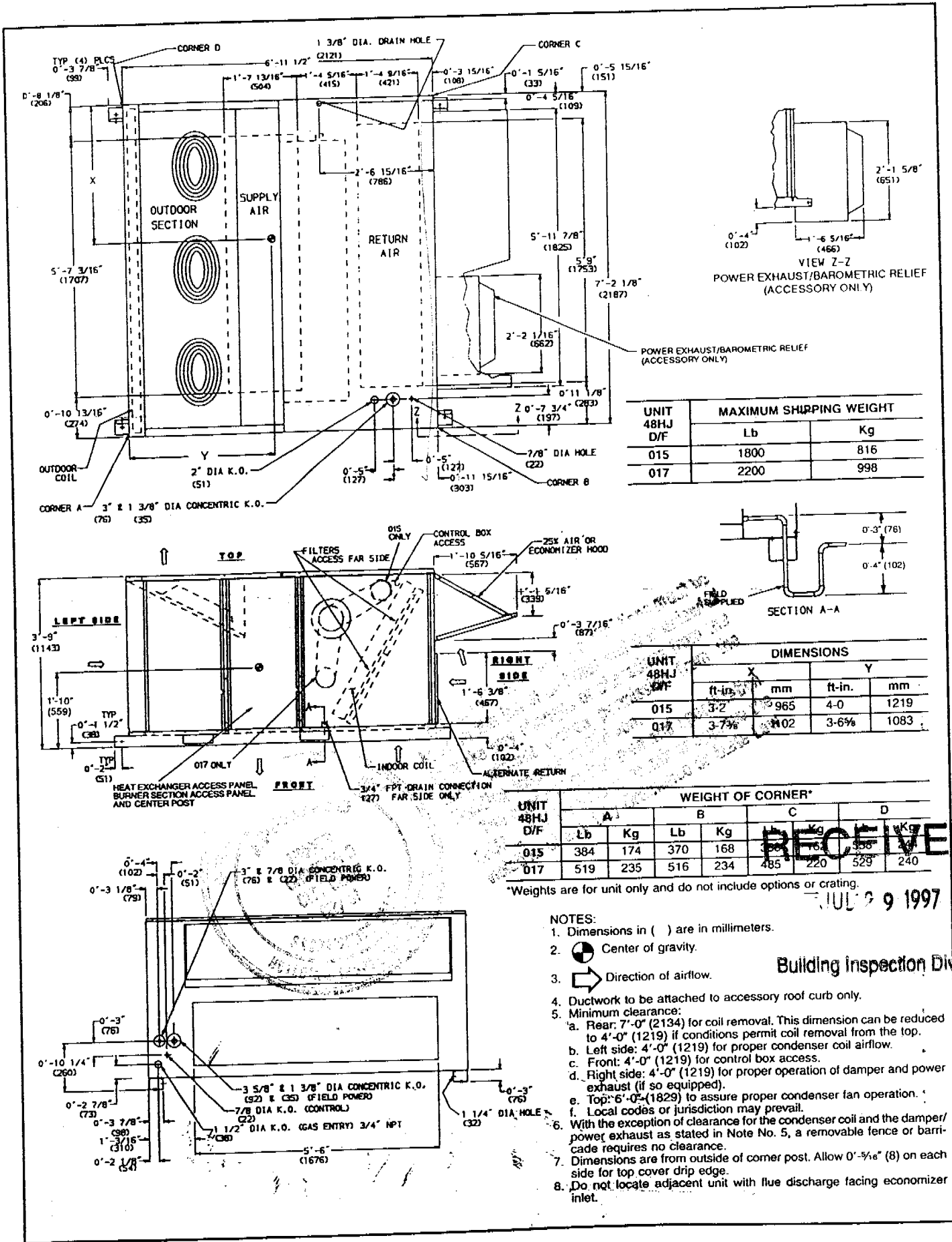
**Industry-leading cooling EERs**

The 48HJ015 (13 tons) and 017 (15 tons) units provide leading ARI (Air Conditioning and Refrigeration Institute) certified cooling EERs (Energy Efficiency Ratios) of 10.5 and 10.3, respectively. The fully-rated 2-ton 48HJ025 has a EER of 9.3. These exceptionally high ratings assure minimum operating costs and will qualify for attractive utility rebates in many areas.

**Semi-hermetic compressors**

All three 48HJ units use the Carlyle 06D semi-hermetic compressors. These serviceable compressors are highly regarded, preferred by owners and users, and offered exclusively on the Carrier high-efficiency 13 to 20 ton HJ units.

Two 06D semi-hermetic compressors on independent refrigeration circuits are offered on the 48HJ017 and 025 units for 2 steps of capacity control and redundancy. A single 06D semi-hermetic compressor with unloading capability is offered on the 48HJ015. All compressors have serv-



UNIT 48HJ D/F	MAXIMUM SHIPPING WEIGHT	
	Lb	Kg
015	1800	816
017	2200	998

UNIT 48HJ D/F	DIMENSIONS			
	X ft-in.	X mm	Y ft-in.	Y mm
015	3-2"	965	4-0"	1219
017	3-7 1/8"	1002	3-6 1/8"	1083

UNIT 48HJ D/F	WEIGHT OF CORNER*							
	A		B		C		D	
	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg
015	384	174	370	168	356	161	356	161
017	519	235	516	234	485	220	529	240

\*Weights are for unit only and do not include options or crating.

- NOTES:**
- Dimensions in ( ) are in millimeters.
  - Center of gravity.
  - Direction of airflow.
  - Ductwork to be attached to accessory roof curb only.
  - Minimum clearance:
    - Rear: 7'-0" (2134) for coil removal. This dimension can be reduced to 4'-0" (1219) if conditions permit coil removal from the top.
    - Left side: 4'-0" (1219) for proper condenser coil airflow.
    - Front: 4'-0" (1219) for control box access.
    - Right side: 4'-0" (1219) for proper operation of damper and power exhaust (if so equipped).
    - Top: 6'-0" (1829) to assure proper condenser fan operation.
    - Local codes or jurisdiction may prevail.
  - With the exception of clearance for the condenser coil and the damper/power exhaust as stated in Note No. 5, a removable fence or barricade requires no clearance.
  - Dimensions are from outside of corner post. Allow 0'-5/16" (8) on each side for top cover drip edge.
  - Do not locate adjacent unit with flue discharge facing economizer inlet.

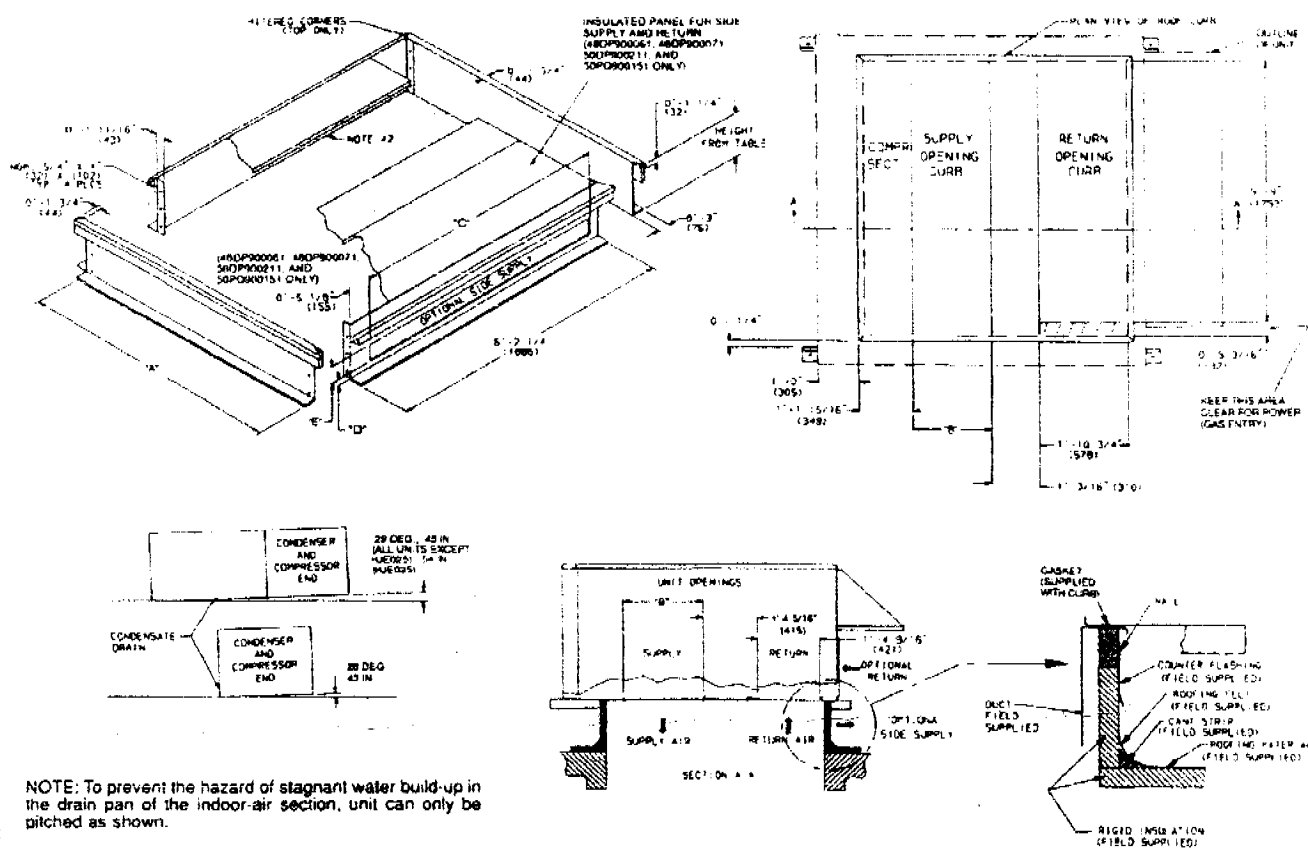
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JUL 9 1997

# Accessory dimensions



## HORIZONTAL AND VERTICAL ROOF CURBS AND HORIZONTAL ADAPTER



NOTE: To prevent the hazard of stagnant water build-up in the drain pan of the indoor-air section, unit can only be pitched as shown.

LEGEND  
COMPR SECT. — Compressor Section

- NOTES
1. Roof curb accessory is shipped unassembled.
  2. Insulated panels, 1/2-in. thick neoprene-coated, 2 lb density.
  3. Dimensions in ( ) are in millimeters.
  4. Direction of airflow.
  5. Roof curb: 18 gage steel.
  6. Attach all ductwork to roof curb.
  7. Field installation of sidewall insulation is mandatory.

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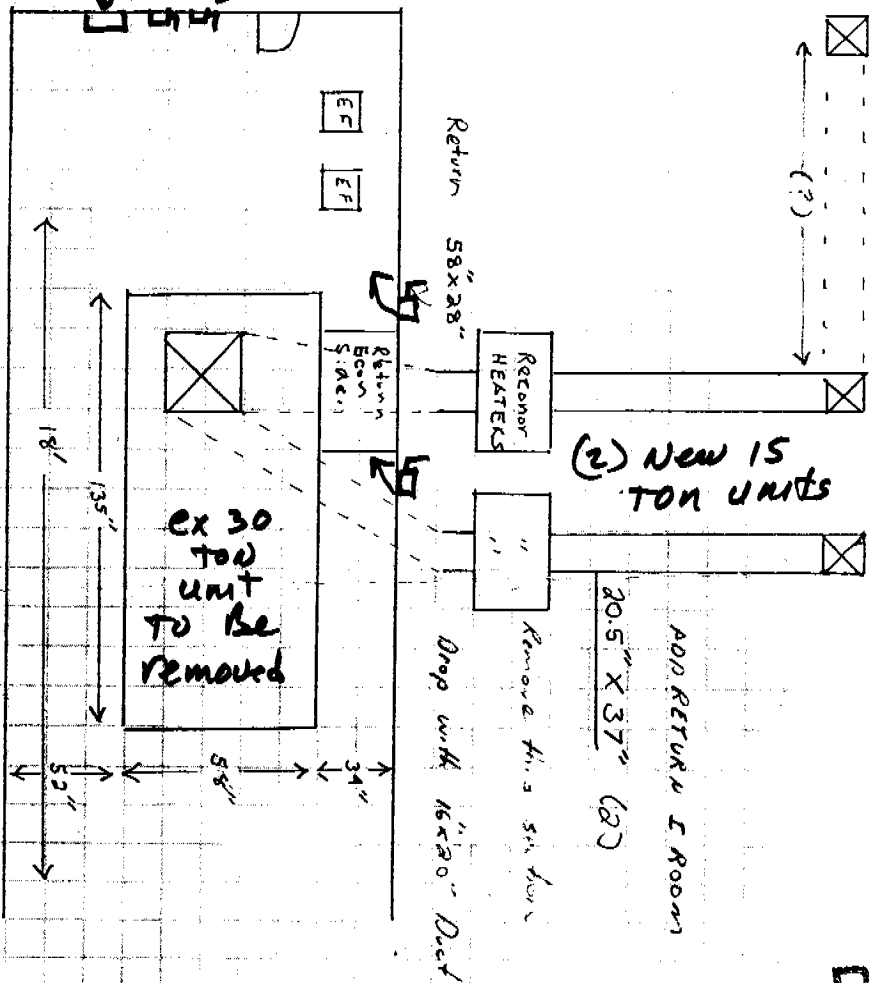
ACCESSORY PACKAGE NO.	CURB HEIGHT	DESCRIPTION	"A"	"B"	"C"	"D"	"E"
50PQ900221	1'-2" (355)	Standard Curb — 14" High	5'-7 1/2" (1703)	1'-7 1/2" (503)			
50PQ900141	2'-0" (610)	Standard Curb for Units Requiring High Installation	5'-7 1/2" (1703)	1'-7 1/2" (503)			
50PQ900151	2'-0" (610)	Horizontal Supply and Return Curb	5'-7 1/2" (1703)	1'-7 1/2" (503)	5'-6" (1676)	0'-2 1/2" (64)	1'-6" (457)
50DP900211	1'-11" (584)	Pre-Assembled, High-Static, Horizontal Adapter	5'-7 1/2" (1703)	1'-7 1/2" (503)	6'-2" (1880)	0'-6 1/2" (159)	1'-2 1/2" (371)
48DP900041*	1'-2" (355)	Standard Curb — 14" High	7'-2 1/2" (2205)	3'-3 3/4" (1006)			
48DP900051*	2'-0" (610)	Standard Curb for Units Requiring High Installation	7'-2 1/2" (2205)	3'-3 3/4" (1006)			
48DP900061*	2'-0" (610)	Horizontal Supply and Return Curb	7'-2 1/2" (2205)	3'-3 3/4" (1006)	5'-6" (1676)	0'-2 1/2" (64)	1'-6" (457)
48DP900071*	1'-11" (584)	Pre-Assembled, High-Static, Horizontal Adapter	7'-2 1/2" (2205)	3'-3 3/4" (1006)	6'-2" (1880)	0'-6 1/2" (159)	1'-2 1/2" (371)

\*For high-heat 025 application.

CRANE 40 IN

Roof ACCESS

Adding 2 Disc-Topped at 400A - per 240-21



Secure conduit across main ea. 4ft raised 1 1/2" when crossing roof

Verify Ampacity on nameplates of units

CAP INSTALL Elbow

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The approval of all Electrical work is subject to field inspections

9-19-97 *Dux*



**AIRCO**

MECHANICAL, INC.

5720 Alder Avenue  
Sacramento,  
California 95828  
(916) 381-4523  
Fax # 386-0350  
Lic. 311454

Job No.

P7199

Date

Drawn by:

Checked by: