

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207)874-8703, Fax: (207) 874-8716

Permit No:	06-0734	Issue Date:	PERMIT ISSUED MAY 30 2006	CBL:	052 C006001
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Location of Construction: 295 PARK AVE	Owner Name: FIREHOUSE FIVE	Owner Address: 295 PARK AVE	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone: 77728687
Lessee/Buyer's Name	Phone:	Permit Type:	Zone: B2

Past Use: Commercial	Proposed Use: Commercial install a Carrier gas/electric rooftop unit	Permit Fee: \$138.00	Cost of Work: \$12,490.00	(CEODistrict): 1
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Proposed Project Description: Install a Carrier gas/electric rooftop unit	FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied 16/19T	INSPECTION: Use Group: Type: Signature: [Signature]
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Permit Taken By: dmartin	Date Applied For: 05/17/2006	Zoning Approval
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MML Date: 1/17	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input type="checkbox"/> Not in District or Landmar <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

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Location of Construction: 295 PARK AVE	Owner Name: FIREHOUSE FIVE	Owner Address: 295 PARK AVE	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone (207) 772-8687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

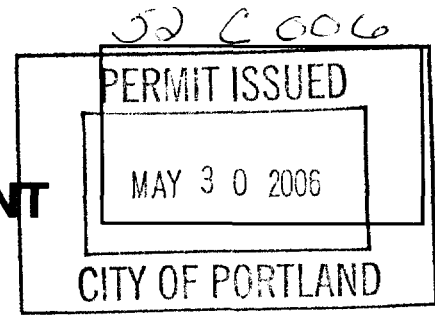
Proposed Use: Commercial install a Carrier gas/electric rooftop unit	Proposed Project Description: Install a Carrier gas/electric rooftop unit
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FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



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 / CBL _____ Use of Building _____ Date _____

Name and address of owner of appliance 295 Fire House # 5

Installer's name and address Avey Services, Inc 7 Thomas Drive Westbrook, Me 04092 Telephone 207-772-8687 FOX 874-0933

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Carrier Gas/Electric Rooftop Unit
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:

- Masonry Lined
Factory built NA
- Metal
Factory Built U.L. Listing # NA
- Direct Vent
Type _____ uL# _____

Type of Fuel Tank

- Oil
- Gas

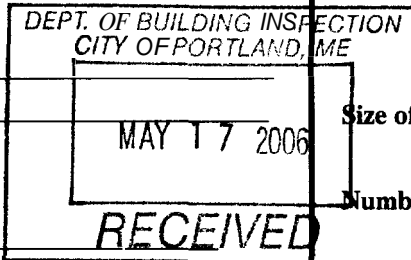
Size of Tank NA

Number of Tanks NA

Distance from Tank to Center of Flame NA feet,

Cost of Work: \$ 12,490.00

Permit Fee: \$ 138



Approved

Approved with Conditions

Fire: _____
Ele.: _____
Bldg.: 295

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Douglas C Avey

PRC POSAL

1196

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

FAX (207) 874-0933

TO: Firehouse Five
c/o J. Michael M. Taylor, M.D.
295 Park Avenue
Portland ME 04102

PHONE 775-3526	DATE 14/11/06
JOB NAME / LOCATION Rooftop unit replacement	
JOB NUMBER DCA	JOB PHONE

Remove and dispose of the two (2) existing York rooftop units, as per EPA laws.

Supply and install manufacturer's adapter curbs into the existing roof curbs.

Supply and install two (2) Carrier 48TFE, 4-ton gas/electric rooftop units with economizer onto the new curbs.

Reconnect to existing services, ductwork, gas piping, power, control systems.

Supply and install a PVC condensate trap on each of the two (2) new rooftop units.

Price includes; Start up and test, freight, taxes, and permit.

EXCLUSIONS: Structural, roof work, electrical costs if require code/system upgrades, and adequacy of existing systems.

NOTE: Price shown below reflects 10% promotional discount.

We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of:
Twelve Thousand Four Hundred Ninety and 00/100 Dollars dollars (\$) 12,490.00).

Payment to be made as follows:

25% upon acceptance - Progress billing/net ten (10) days - All balances due upon substantial 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 works are fully covered by Workers Compensation insurance.

Authorized Signature

[Handwritten Signature]
 Note: This proposal may be withdrawn by us if not accepted within 14 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.

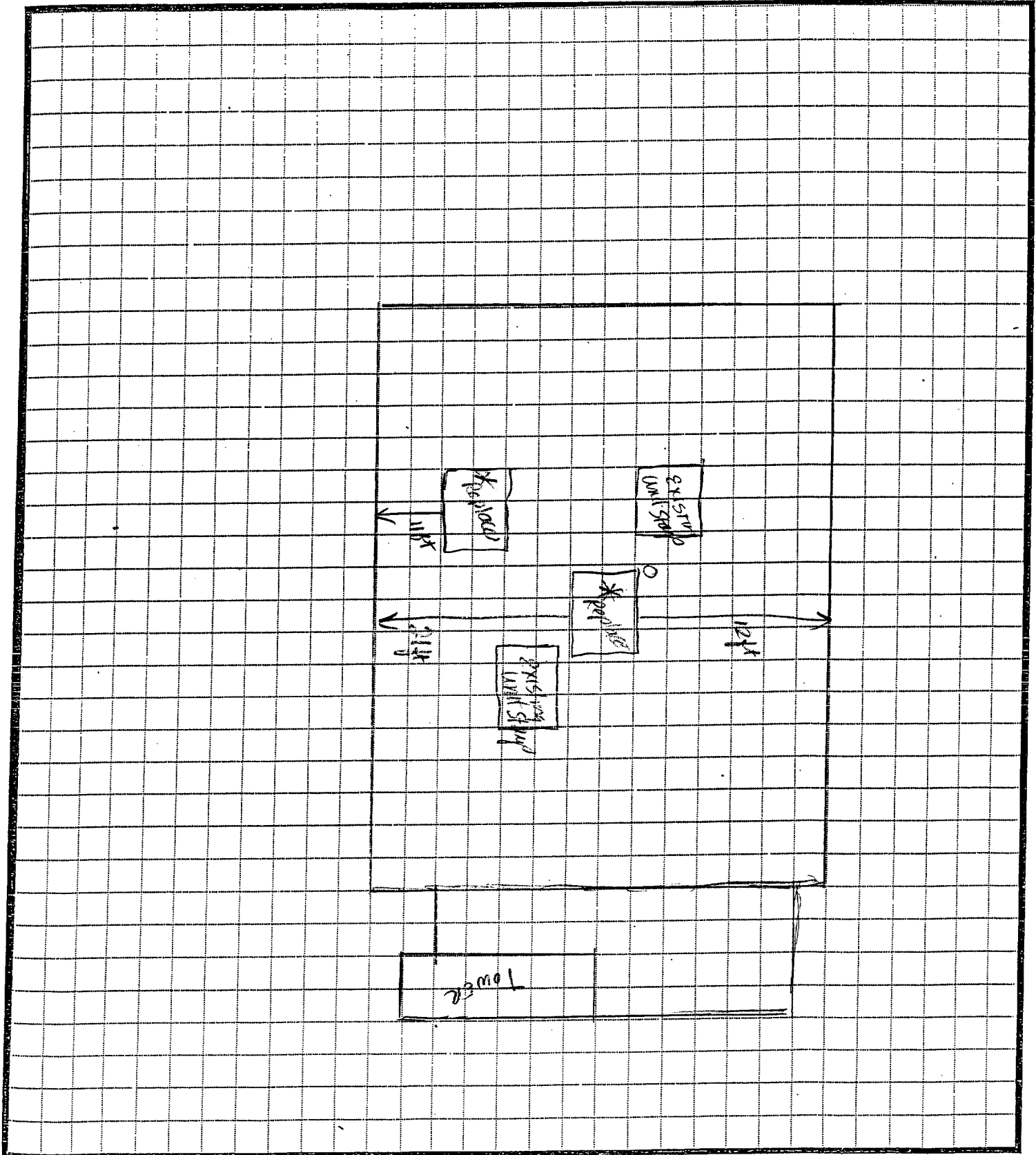
Signature _____

Signature _____

Date of Acceptance _____

System Component Layout

(For Duct layout see Sheetmetal Info, Pg2)



ALEXANDER HUTCHEON Associates
Engineers

49 Falmouth Road
Falmouth, Maine 04105
Telephone (207) 781-3364
Fax (207) 781-3364
Cell (207) 233-7662

Date: MAY 16, 2006 Time: 4:20 PM
~~3:50 PM~~

To: MR. DOUG AVERY Fax No. 874-0933
AVERY SERVICES
WESTBROOK, ME

Re: _____

6 pages are being telecopied, including this cover page.
Please notify us if you do not receive all pages.

NOTES:

FIRE HOUSE #5 ROOF CALCS.

ALEXANDER HUTCHEON Associates,
Engineers

By: A. Hutchon

ALEXANDER HUTCHEON Associates
Engineers

49 Falmouth Road
Falmouth, Maine 04105
Telephone (207) 781-3364
Fax (207) 781-3364
Cell (207) 233-7662

May 16, 2006

Mr. Doug Avery
Avery Services
7 Thomas Drive
Westbrook, Maine

Re: New roof-top A/C units at 295 Park Ave., Portland

Dear Doug:

At your request I examined the roof framing at the former Fire House # 5, 295 Park Avenue, Portland, Maine, and I examined the locations of existing roof-top A/C units and the proposed locations of two new units.

As shown on the enclosed sketch of the roof framing, and on calculation sheets 1, 2 and 3, it is my opinion that the roof framing is adequate for the changes in loading.

Your questions and comments regarding this report are welcome.

Very truly yours,

ALEXANDER HUTCHEON Associates,
Engineers



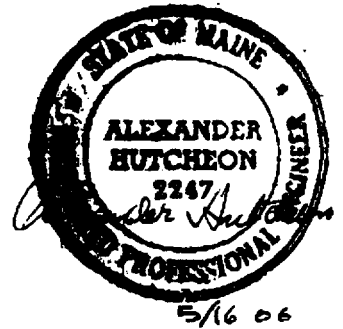
Alexander Hutcheon, P.E.
President



Enclosures: Sketch of roof framing
Calculations sheets 1, 2 and 3

ROOF FRAMING CAPACITY FOR NEW R/A A-C UNITS

SNOW LOAD 42 PSF



RAPTERS 1 3/4 x 9 1/4 @ 19" o.c.

ALLOWABLE BENDING STRESS: EASTERN HEMLOCK *1

$F_b = 1500 \text{ PSI, PER USE X 1.15 DCL} = 1725 \text{ PSI}$

SECTION MODULUS: $(1/6)(1.75)(9.25)^2 = 24.96 \text{ IN}^3$

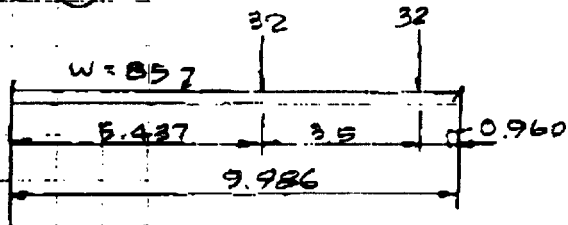
ALLOWABLE BENDING, $M_{\text{ALLOW}} = 24.96(1725)/12 = 3587 \text{ IN} \cdot \text{LB}$

UNIF. LOAD = $1.583(31) + 4 = 84.7 \text{ PLF SAY } 85$

$M = .125(85)(9.986)^2 = 1059.5 \text{ IN} \cdot \text{LB} < 3587 \text{ IN} \cdot \text{LB ALLOWABLE} \quad \text{OK}$

$R = .5(85)(9.986) = 424.4 \text{ LB}$

JOIST (a)



$R_L = 443 \text{ LB}$

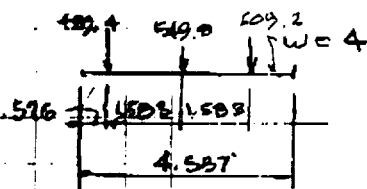
$R_R = 469.5 \text{ LB}$

$V = 0$ AT 5.215' FROM R_L

$M_{\text{MAX}} = 1153.4 \text{ IN} \cdot \text{LB} < 3587 \text{ IN} \cdot \text{LB ALLOWABLE} \quad \text{OK}$

JOISTS (b), (c) & (d) ARE IDENTICAL

HEADER (A)



$R_L = 849.3 \text{ LB}$

$R_R = 817.3 \text{ LB}$

$V = 0$ AT 2.109' FROM R_L

$M_{\text{MAX}} = 1007.6 \text{ IN} \cdot \text{LB}$

$S = 3(31.44) = 94.92 \text{ IN}^3$

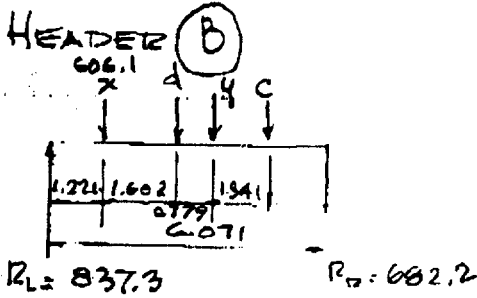
$f_b = 1007.6(12)/94.92 = 127.4 \text{ PSI} < 995 \text{ ALLOWABLE} \quad \text{OK}$

$3.288(85)(.5) + 469.5 = 609.2 \text{ LB}$

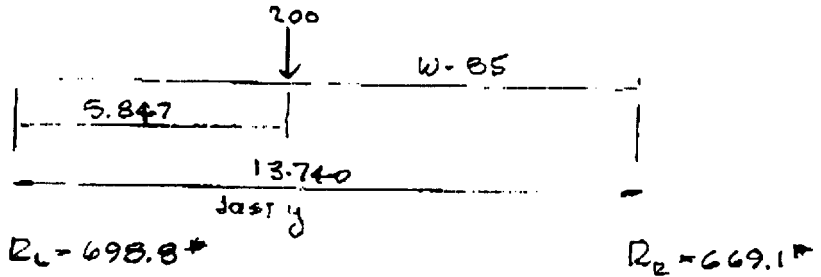
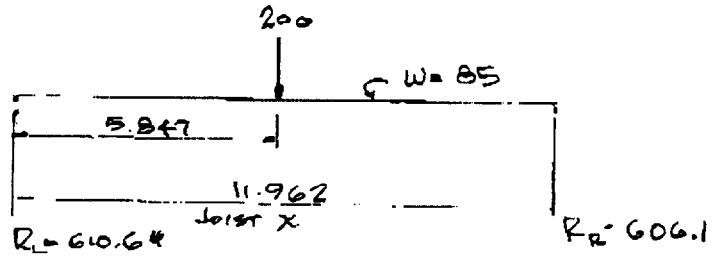
$1.870(85)(.5) + 469.5 = 549.3 \text{ LB}$

$0.422(85)(.5) + 469.5 = 489.6 \text{ LB}$

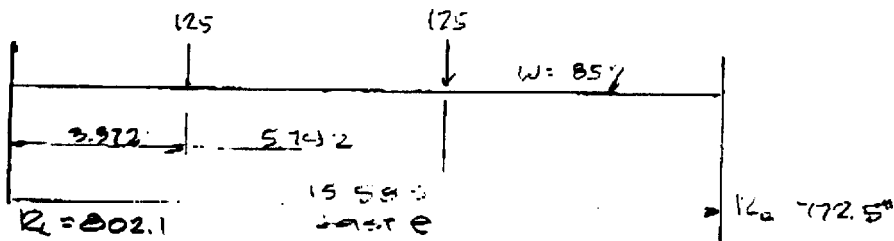
ROOF FRAMING CAPACITY (CONT'D)



$C = 85(3.288)(.5) = 140$
 $d = 85(1.878)(.5) = 80$
 $x = 606.1$
 $y = 669.1$
 $w = 4$

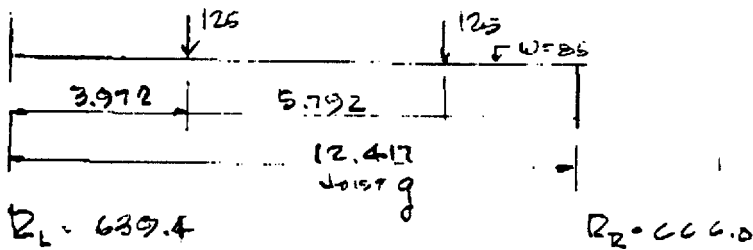


Joist Z $R_L = R_R = 85(16.583)(.5) = 692.24$

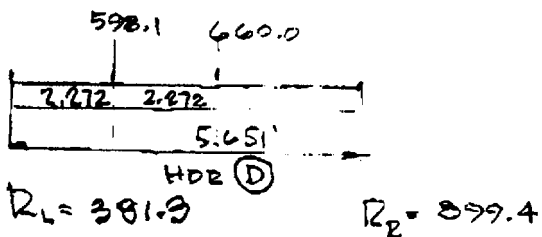


$V = 0$ AT 7.97 FROM R_L

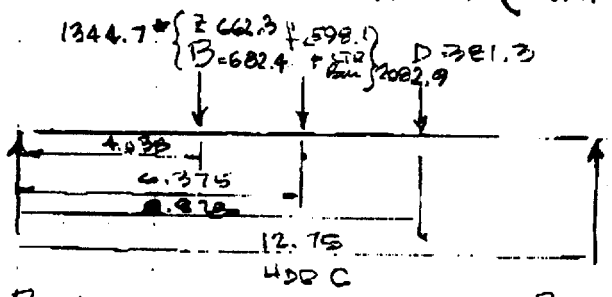
$M_{MAX} = 3193.1 < 3587$ ALLOWABLE OK



Joist F : $L = 14.072$ $w = 85$ $R_L = R_R = 14.072(.5)(85) = 597.1$



ROOF FRAMING CAPACITY (CONT'D)



CENTERS PER 4 x 8 1/2 x 16'-0 1/2"

$W = 12.75(.5)(51) + 10 = 335.1$

$R_{TO \text{ MAX}} \textcircled{C} = 16.125(.5)(335.1) = 2702^P$

$f = 598.1$

$R_L =$

$R_R = 2217.5$ CENTER LOAD = $598.1 + 2702 = 3300$

V.O. AT CENTER

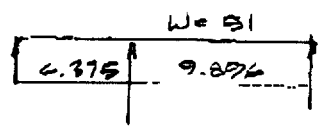
REVISION

$M_{MAX} = 12979.2^{\#}$

RAFTERS CANTILEVERED

$S = (1/6)(6)(8.5)^2 = 72.25 \text{ IN}^2$

$f_b = 12979.2(12)/72.25 = 2156^{\#}$



$f = 481.2$ 441.2

F_2 : EASTERN HEMLOCK, SELECT STRUCT 1400
 DOL. = 1.15 $F_b = 1610^{\#}$

$R_L = 6.375(51)(.5) - \frac{481.2}{637.5} = 87.08$

REVISED WITH CANTILEVERED RAFTERS:

$W \text{ TO CENTER PER} = 2(87.08) + 10 = 184.2$

$R_L = 2076.1$ $R_R = 1732.8^{\#}$

$f = 598.1 + 16.125(.5)(184.2) = 2082.9$
 $1 + 84.8$

$M_{MAX @ \text{ CENTER}} = 10,092$

$f_b = 10,092 (12)/72.25 = 16760 > 1610^{\#}$ 4% OVER OK

NOTE: ALL CALCS. PERFORMED WITH HP 41 Cx "SIMPLE BEAM" PROGRAM

Physical data — 48TF

New Unit



48TF

UNIT SIZE 48TF		E/F/H/M/N004	D/E/F/G/H/K/L/M/N005	D/E/F/G/H/K/L/M/N006	D/E/F007
NOMINAL CAPACITY (tons)		3	4	5	6
OPERATING WEIGHT (lb)					
Unit					
Al/Al*		460	470 <i>Unit Weight</i>	490	565
Al/Cu*		465	476	497	576
Cu/Cu*		466	482	505	587
Economizer					
EconoMiSer+		50	50	50	50
Roof Curb†		115	115	115	115
COMPRESSOR			Reciprocating		Scroll
Quantity		1	1	1	1
No. Cylinders (per Circuit)		2	2	2	2
Oil (oz)		50	50	50	54
REFRIGERANT TYPE			Acutrol™ Metering Device		
Expansion Device					
Operating Charge (lb-oz)					
Circuit 1		4-4	6-6	6-14	9-0
Circuit 2					
CONDENSER COIL					
Rows...Fins/in.		1...17	2...17	2...17	2...17
Total Face Area (sq ft)		8.36	6.36	10.42	10.42
CONDENSER FAN					
Nominal Cfm		3500	4000	4000	4000
Quantity...Diameter (In.)		1...22.0	1...22.0	1...22.0	1...22.0
Motor Hp...Rpm		1/4...1100	1/4...1100	1/4...1100	1/4...1100
watts Input (Total)		325	325	325	325
EVAPORATOR COIL					
Rows...Fins/in.		2...15	2...15	3...15	4...15
Total Face Area (sq ft)		4.17	5.5	5.5	5.5
EVAPORATOR FAN					
Quantity...Size (In.)		Std 1...10 x 10 Alt 1...10 x 10 High-Static 1...10 x 10	Std 1...10 x 10 Alt 1...10 x 10 High-Static 1...10 x 10	Std 1...10 x 10 Alt 1...10 x 10 High-Static 1...10 x 10	Std 1...10 x 10 Alt 1...10 x 10 High-Static 1...10 x 10
Type Drive		Std Direct Alt Belt High-Static Belt	Std Direct Alt Belt High-Static Belt	Std Direct Alt Belt High-Static Belt	Std Belt Alt Belt High-Static Belt
Nominal Cfm		1200	1600	2000	2100
Maximum Continuous Bhp		Std .34 Alt 1.20 High-Static 2.40	Std .75 Alt 1.20 High-Static 2.40	Std 1.20 Alt 1.30/2.40** High-Static 2.90	Std 2.40 Alt — High-Static 2.90
Motor Frame Size		Std 48 Alt 48 High-Static 56	Std 48 Alt 48 High-Static 56	Std 48 Alt 56 High-Static 56	Std 56 Alt — High-Static 56
Nominal Rpm High/Low (Direct Drive)		Std 660/1800 Alt — High-Static —	Std 1075/1970 Alt — High-Static —	Std 1075/970 Alt — High-Static —	Std — Alt — High-Static 1070-1460
Fan Rpm Range		Std 760-1000 Alt 1075-1455 High-Static —	Std 770-1175 Alt 1075-1455 High-Static —	Std 875-1192 Alt 1300-1685 High-Static —	Std 1300-1685 Alt — High-Static —
Motor Bearing Type		Ball	Ball	Ball	Ball
Maximum Allowable Rpm		2100	2100	2100	2100
Motor Pulley Pitch Diameter Min/Max (in.)		Std — Alt 1.9/2.9 High-Static 2.8/3.8	Std — Alt 1.9/2.9 High-Static 2.8/3.8	Std — Alt 2.4/3.4 High-Static 3.4/4.4	Std — Alt 2.8/3.8 High-Static 3.4/4.4
Nominal Motor Shaft Diameter (in.)		Std 1/2 Alt 1/2 High-Static 5/8	Std 1/2 Alt 1/2 High-Static 5/8	Std 1/2 Alt 5/8 High-Static 5/8	Std 5/8 Alt — High-Static 5/8
Fan Pulley Pitch Diameter (in.)		Std 45 Alt 45 High-Static 45	Std 4.0 Alt 4.5 High-Static 4.5	Std 4.5 Alt 4.5 High-Static 4.5	Std 4.5 Alt — High-Static 4.5
Belt, Quantity...Type...Length (in.)		Std — Alt 1...A...34 High-Static 1...A...39	Std — Alt 1...A...34 High-Static 1...A...39	Std — Alt 1...A...39 High-Static 1...A...40	Std — Alt 1...A...40 High-Static 1...A...40
Pulley Center Line Distance (in.)		Std — Alt 10.0-12.4 High-Static 10.0-12.4	Std — Alt 10.0-12.4 High-Static 10.0-12.4	Std — Alt 14.7-15.5 High-Static 14.7-15.5	Std — Alt 14.7-15.5 High-Static 14.7-15.5
Speed Change per Full Turn of Movable Pulley Flange (rpm)		Std — Alt 48 High-Static 65	Std — Alt 70 High-Static 65	Std — Alt 80 High-Static 60	Std — Alt — High-Static 60
Movable Pulley Maximum Full Turns From Closed Position		Std — Alt 5 High-Static 6	Std — Alt 5 High-Static 6	Std — Alt 5 High-Static 5	Std — Alt — High-Static 5
Factory Setting		Std — Alt 3 High-Static 3 1/2	Std — Alt 3 High-Static 3 1/2	Std — Alt 3 High-Static 3 1/2	Std — Alt — High-Static 3 1/2
Factory Speed Setting (rpm)		Std — Alt 856 High-Static 1233	Std — Alt 975 High-Static 1233	Std — Alt 1060 High-Static 1396	Std — Alt — High-Static 1225
Fan Shaft Diameter at Pulley (in.)		Std — Alt 5/8 High-Static —	Std — Alt 5/8 High-Static —	Std — Alt 5/8 High-Static —	Std — Alt 5/8 High-Static —

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.
 **Single phase/three-phase.
 ††Rollout switch lockout is manually reset by interrupting power to unit or resetting thermostat.

||48TFG, TFH, and TFK units are California compliant three-phase high heat models.
 **Three-phase standard high heat models have heating input values as shown. Single-phase standard high heat models have one-stage heating with heating input values as follows:
 48TF004 — 115,000 Btu/h
 48TF005-006 — 150,000 Btu/h
 ††California SCAQMD compliant Low NO_x models have combustion products that are controlled to 40 nanograms per joule or less.
 †Steady State Efficiency is 80% on all units except 48TFK004, which is 81%.
 NOTE: High-static motor not available on single-phase units.

Base unit dimensions — 48TF004-007



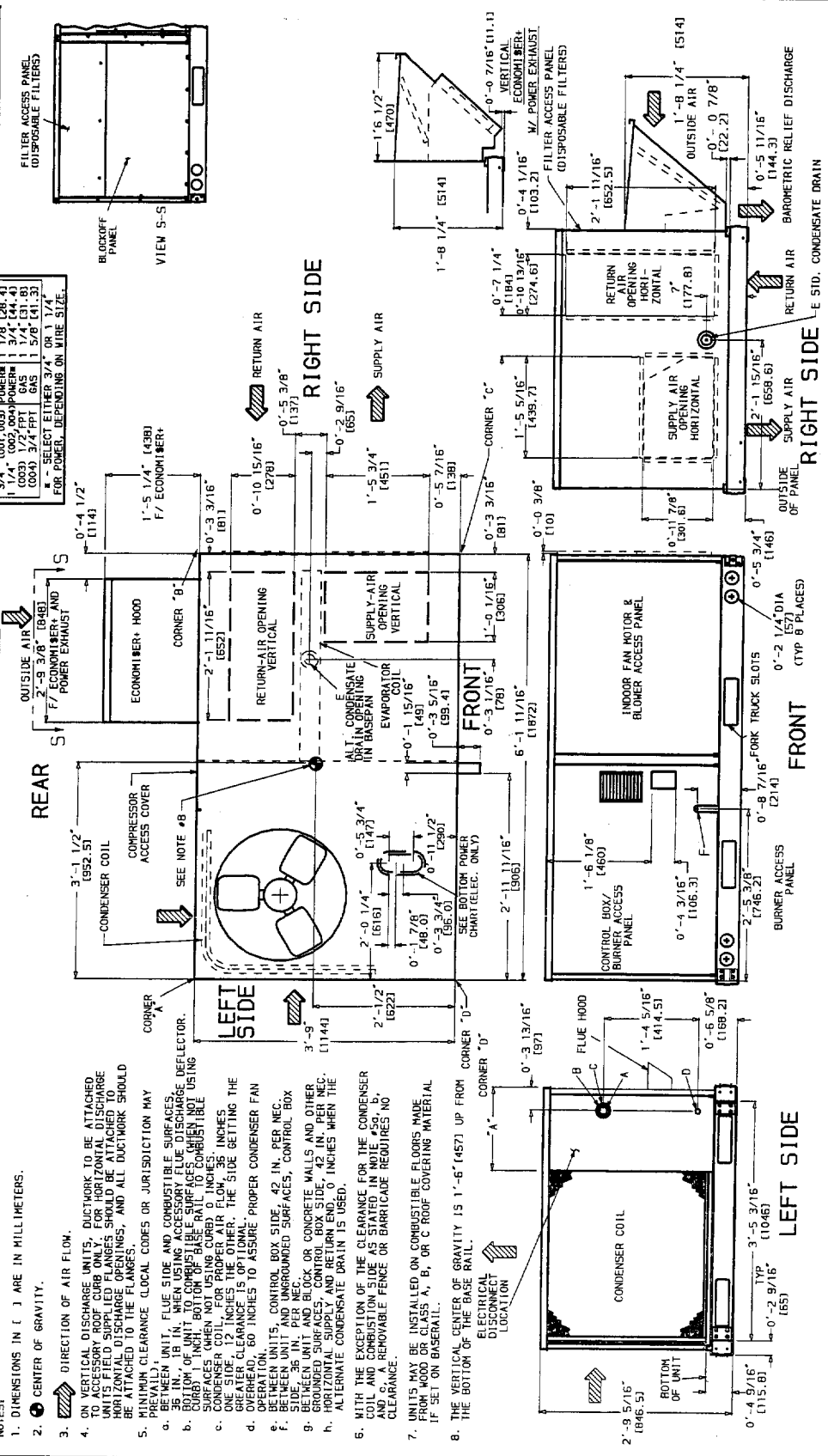
48TF

CONNECTION SIZES	
A	1-3/8" DIA. (51) FIELD POWER SUPPLY HOLE
B	2" DIA. (51) POWER SUPPLY KNOCK-OUT
C	2-1/2" DIA. (54) POWER SUPPLY KNOCK-OUT
D	2" DIA. (23) FIELD CONTROL WIRING HOLE
E	3/4"-1-1/4" NPT CONDENSATE DRAIN
F	1/2"-1-1/4" NPT GAS CONNECTION

BOTTOM POWER CHART	
THESE HOLES REQUIRED FOR USE WITH ACCESSORY PACKAGES - CRIMP-MOUNT, 240V, 3A0V, OR 4A0V	
WIRE SIZE (MAX.)	REG'D HOLE SIZE (MAX.)
1/2"	5/8" (22.2)
3/4"	7/8" (28.4)
1"	1-1/8" (34.4)
1-1/4"	1-3/4" (44.4)
1-1/2"	2" (50.8)
2"	2-1/2" (63.5)
3"	3-1/2" (88.9)
4"	4-1/2" (114.3)

WIRE SIZES (MAX.)	
1/2"	5/8" (22.2)
3/4"	7/8" (28.4)
1"	1-1/8" (34.4)
1-1/4"	1-3/4" (44.4)
1-1/2"	2" (50.8)
2"	2-1/2" (63.5)
3"	3-1/2" (88.9)
4"	4-1/2" (114.3)

UNIT	STD. WEIGHT LB	ECONOMIZER WEIGHT LB	VERT. ECON. W/P.E. WEIGHT LB	CORNER WEIGHT LB	CORNER WEIGHT KG	CORNER WEIGHT LB	CORNER WEIGHT KG	PANEL LENGTH
48T-004	470	209	50	22.7	90	40.9	140	53.5
48T-005	460	213	50	22.7	90	40.9	140	53.5
48T-006	450	222	50	22.7	90	40.9	140	53.5
48TF007	565	256	50	22.7	90	40.9	140	53.5



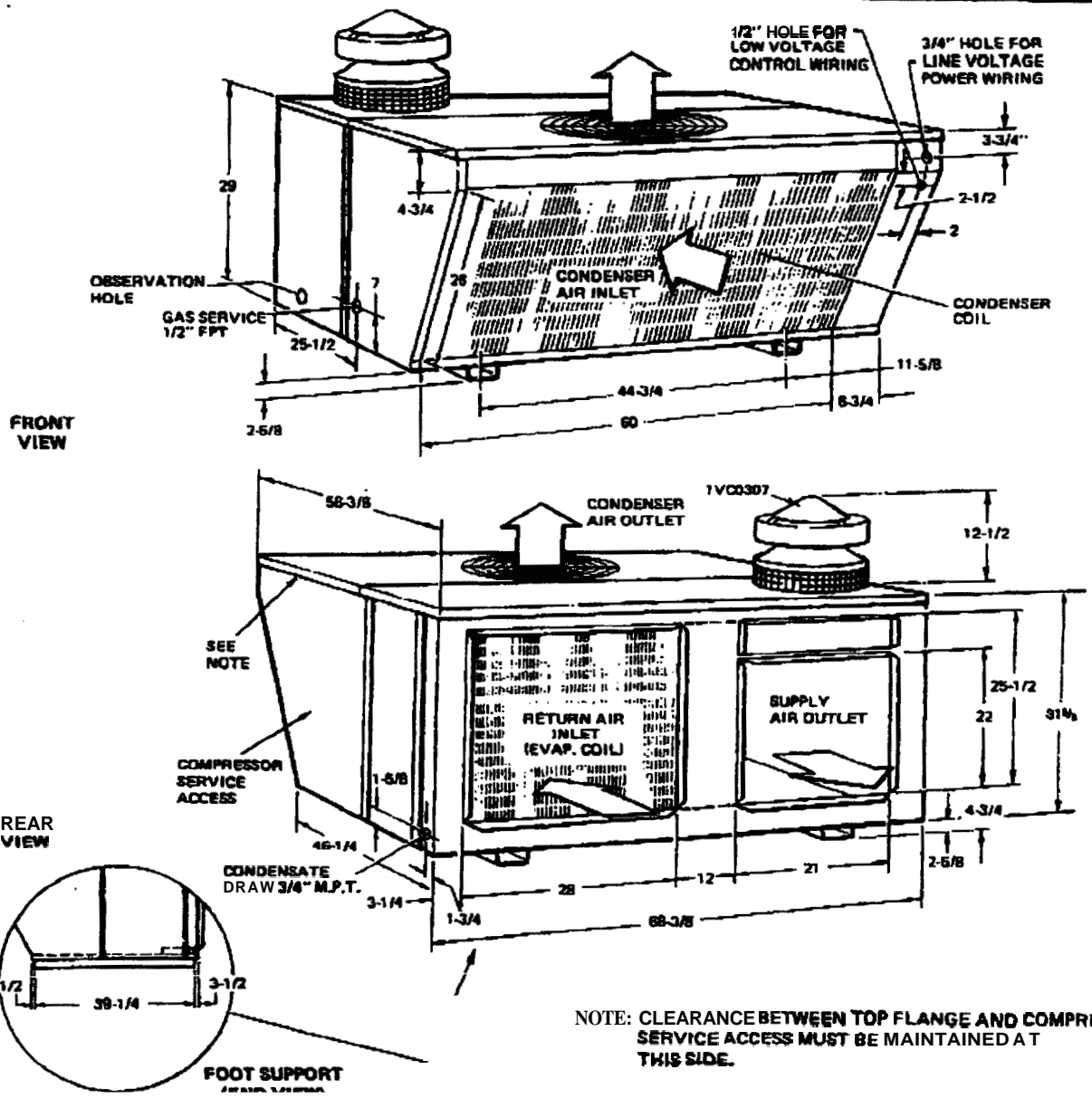
1. DIMENSIONS IN () ARE IN MILLIMETERS.
2. Ⓢ CENTER OF GRAVITY.
3. Ⓢ DIRECTION OF AIR FLOW.
4. ON VERTICAL DISCHARGE UNITS, DUCTWORK TO BE ATTACHED TO ACCESSORY ROOF CURB ONLY. FOR HORIZONTAL DISCHARGE UNITS, FIELD SUPPLIED FLANGES SHOULD BE ATTACHED TO THE ZONE DISCHARGE OPENINGS, AND ALL DUCTWORK SHOULD BE ATTACHED TO THE FLANGES.
5. MINIMUM CLEARANCE LOCAL CODES OR JURISDICTION MAY PREVAIL. FLUE SIDE AND COMBUSTIBLE SURFACES.
 - a. BETWEEN UNIT, FLUE SIDE AND COMBUSTIBLE SURFACES. 36 IN., 18 IN. WHEN USING ACCESSORY FLUE DISCHARGE DEFLECTOR.
 - b. BETWEEN UNIT AND UNBARRICADED SURFACES, CONTROL BOX SURFACES (WHEN NOT USING CURB) 0 INCHES, COMBUSTIBLE SURFACES (WHEN NOT USING CURB) 0 INCHES.
 - c. CONDENSER COIL, FOR PROPER AIR FLOW, 36 INCHES CLEARANCE FROM THE OTHER. THE SIDE GETTING THE OVERHEAD. 60 INCHES TO ASSURE PROPER CONDENSER FAN OPERATION.
 - d. BETWEEN UNITS, CONTROL BOX SIDE, 42 IN. PER NEC.
 - e. BETWEEN UNIT AND UNBARRICADED SURFACES, CONTROL BOX SURFACES (WHEN NOT USING CURB) 0 INCHES, COMBUSTIBLE SURFACES (WHEN NOT USING CURB) 0 INCHES.
 - f. HORIZONTAL SUPPLY AND RETURN END, 0 INCHES WHEN THE ALTERNATE CONDENSATE DRAIN IS USED.
6. WITH THE EXCEPTION OF THE CLEARANCE FOR THE CONDENSER COIL AND COMBUSTIBLE FLOORS MADE IN NOTE #5, b. UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE FROM WOOD OR CLASS A, B, OR C ROOF COVERING MATERIAL IF SET ON BASERAIL.
7. THE VERTICAL CENTER OF GRAVITY IS 1'-6" (457) UP FROM CORNER "D".
8. THE BOTTOM OF THE BASE RAIL.

new unit

UNIT DIMENSIONS

MODELS D3EC048, D3EC060 (4 THRU 5)

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



NOTE: CLEARANCE BETWEEN TOP FLANGE AND COMPRESSOR SERVICE ACCESS MUST BE MAINTAINED AT THIS SIDE.

CENTERS OF GRAVITY AND WEIGHT DISTRIBUTION

Existing Unit

4	96	725	26-3/4	30-7/8	128	189	244	184
	140	745	26-7/8	31	133	174	248	190
5	96	760	26-1/2	30-3/8	127	175	280	188
	140	770	26-5/8	30-1/2	132	181	284	193

Unit weight

Central Environmental Systems

