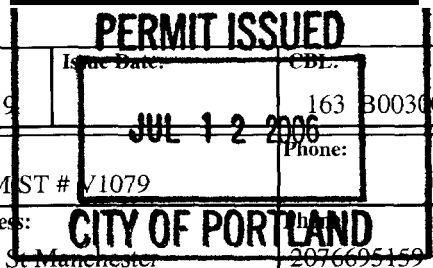


City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-1019	Issue Date: JUL 12 2006	CBL: 163 3003001
-----------------------	----------------------------	---------------------



Location of Construction: 801 WASHINGTON AVE	Owner Name: V S H REALTY INC	Owner Address: 777 DEDHAM ST # 1079	Phone:
Business Name:	Contractor Name: Accurate Air, Inc.	Contractor Address: 140 Bouchard St Manchester	Phone: 2076695159
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Commercial/ Cumberland Farms	Proposed Use: Cumberland Farms-install Trane Air-conditioning unit on roof w/ structural upgrade of roof	Permit Fee: \$150.00	Cost of Work: \$12,300.00	CEO District: 4
--	--	--------------------------------	-------------------------------------	---------------------------

FIREDEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: HVAC Type: Signature: <i>[Signature]</i>
--	--

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action. Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: Idobson	Date Applied For: 07/12/2006
------------------------------------	--

Zoning Approval

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. 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..</p>	<p>Special Zone or Reviews</p> <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"/> MM <input type="checkbox"/> Date: _____	<p>Zoning Appeal</p> <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: _____	<p>Historic Preservation</p> <input type="checkbox"/> Not in District or Landmark <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

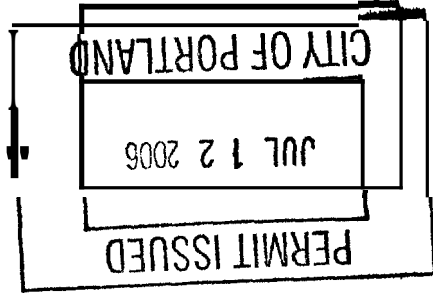
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 801 Washington Ave Use of Building Retail space Date 7/12/06
 Name and address of owner of appliance Camdenland Farms INC
777 Durham St Canton MA
 Installer's name and address Accurate Air Inc / Camdenland Farms / Frank Carney
Manchester NH Telephone 603-629-4008

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

Trane

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 # NH 2114C / Accurate Air
- Other Electrician to pull permit at time of install

Type of Chimney:

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

Type of Fuel Tank

- Oil
- Gas

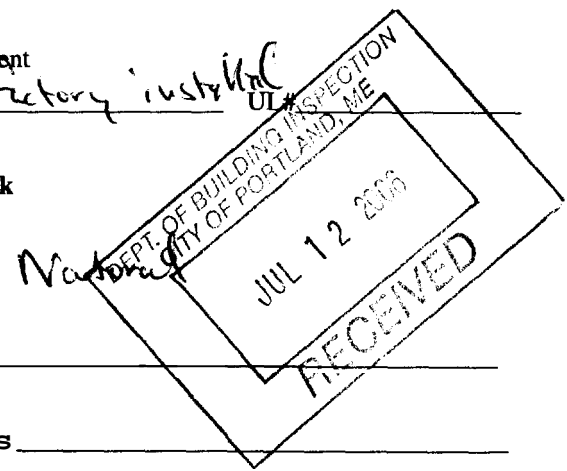
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame NA feet.

Cost of Work: \$ 12,300

Permit Fee: \$ 150⁰⁰/00



Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

- See attached letter or requirement

Signature of Installer

[Signature] (FI)
 White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

Inspector's Signature

Date Approved

City of Portland, Maine - Building or Use Permit

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

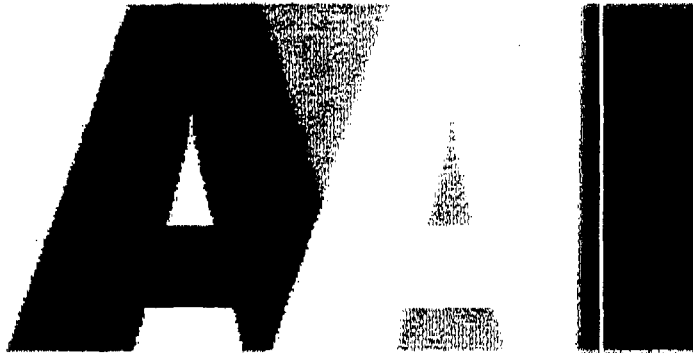
Permit No: 06-1019	Date Applied For: 07/12/2006	CBL: 163 B003001
------------------------------	--	----------------------------

Location of Construction: 801 WASHINGTON AVE	Owner Name: V S H REALTY INC	Owner Address: 777 DEDHAM ST # V 1079	Phone:
Business Name:	Contractor Name: Accurate Air, Inc.	Contractor Address: 140 Bouchard St Manchester	Phone (207) 669-5 159
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Cumberland Farms-install Trane Air-conditioning unit on roof w/
structural upgrade of roofinstall Trane Air-conditioning unit on roof w/ structural upgrade of
roof**Dept:** Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 07/12/2006**Note:** **Ok to Issue:**

- 1) All elements of the engineer's design must be carried out and inspected.
- 2) A Gas installer licensed in the State of Maine must perform the piping work etc. AAI has agreed to this.

A c c u r a t e A i r , I n c .



"DOMINATING OUR STATE"

TO: FRANK

FROM: JOSH BEALE

FAX: 742-3776

PAGES: 6

PHONE: 800-932-2056

DATE: 7-10-06

RE: PORTLAND

CC:

603-396-2682

NOTES: IF THERE IS ANY QUESTIONS PLEASE FEEL FREE TO CALL ME ON MY CELL PHONE 603-396-2682. I DO NOT NEED A COPY OF THIS I HAVE THE ORIGINAL AND THIS IS FOR YOUR RECORDS, THANK YOU.

IF TOTAL NUMBER OF PAGES ARE NOT RECEIVED OR NOT LEGIBLE, PLEASE CONTACT US AT (603) 624-4008 FOR RETRANSMISSION.



Pease International Tradeport • 29 New Hampshire Avenue, Suite 4 • Portsmouth, NH 03801
Tel 603 431 2520 • Fax 603 431 8067 • www.kimballchase.com

Mr. Joshua L Beale
VP of Service/Mechanical Division
Accurate Air, Inc.
140 Bouchard Street
Manchester, NW 03103

July 7, 2006
HTA/KC ProjectNo: 552901 21

VIA FAX AND MAIL

**Re: Cumberland Farms Retail Store - 801 Washington Avenue
Portland, ME
Structural Roof Mounted Mechanical Equipment Support Review**

Dear Mr. Beale:

HTA/Kimball Chase is pleased to submit this brief letter report regarding our observations and review of the existing open web steel bar joist and steel deck roof construction with respect to the proposed roof mounted mechanical units.

INTRODUCTION

Our services have been acquired for observation and review of the existing steel bar joist roof framing and to provide conclusions and/or recommendations for the support of new roof mounted mechanical equipment.

The purpose of this report is to document our observations and conclusions. Our analysis and observations are limited to the existing steel bar joists at the center of the building proposed for support of the new equipment. Evaluations of the roof deck, girders, columns, exterior load bearing walls, and existing foundations were not conducted by our office. Furthermore, existing roof mounted equipment and roof deck penetrations considered as original construction or not relating to the current renovation project were not reviewed unless specifically noted below.

OBSERVATIONS

As requested by your office, on the morning of June 20, 2006, personnel from our office visited the above referenced project to observe and take photographs of the existing condition of the roof framing in the area of the new equipment. We met onsite with a representative of Cumberland Farms and yourself and discussed the general condition of the existing roof framing and mechanical equipment being replaced. It is understood that the renovations provided for new roof top HVAC units of smaller size and lighter weight to replace existing roof top HVAC units.

The roof construction is 1 1/2" type B steel deck, and 24" deep open web steel bar joists spanning from the front of the store to the rear. Joists are supported at the front of the store by a combination of load bearing cmu walls and conventional steel girders and tube columns. Three joists at the center of the building and currently supporting the existing mechanical equipment have a 36 inch center to center spacing. The remainders of the roof joists have a typical spacing of 6 feet. The joists are supported along the rear of the building exclusively with exterior load bearing walls. The existing roof was assumed to be single ply adhered membrane on rigid insulation on steel deck with miscellaneous inferior dead load for an assembly dead load of 20 psf for the purpose of the joist review.

Mr. Joshua L. Beale
Accurate Air, Inc.
File: Cumberland Farms Retail Store - 801 Washington Avenue
Portland, ME
Structural Roof Mounted Mechanical Equipment Support Review

July 7, 2006
HTAKC Project No. ;552901.21
Page 2 of 2

ANALYSIS RESULTS

The existing steel roof joists at the center of the building have been reviewed for current snow loading requirements detailed in the International Building Code (IBC 2006) and referenced to ASCE/SEI f-05. While it is understood the original construction would not have been designed to these standards, they provide an updated measurement of actual case studies for all to reference. The roof snow loading used is 42 pounds per square foot (PSF) respective to the 60 PSF ground snow load recommended for this area.

The joists reviewed as assumed are capable of typical current uniform snow loading plus the proposed new mechanical units as shown on the attached sketch SSK-1. Therefore is our recommendation that this layout be used for the proposed mechanical equipment support in addition to some minimal steel reinforcing for concentrated loads and unit frame support,

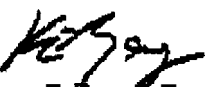
RECOMMENDATIONS

1. The three bar joists proposed for the support of the new mechanical equipment should be reinforced, where required at the new concentrated load locations as outlined on the attached sketch SSK-2. Reinforcement is recommended at the locations where the concentrated load exceeds 150 lbs and is a horizontal distance greater than or equal to 4 inches away from the joist top chord panel point below.
2. The new mechanical equipment should be supported via a structural curb capable of spanning from joist to joist, recommended by the unit manufacturer or a steel angle frame as shown on the attached sketch SSK-3. The existing steel deck should be fastened to the new frames at all deck openings/penetrations. Minimum deck fastening requirements should be provided for a uniform uplift pressure of at least 30 psf per the recommendations of the Steel Deck Institute.

This concludes the review of the support of the proposed roof mounted mechanical units. Please do not hesitate to contact us if you have any questions concerning the content of this letter or this project.

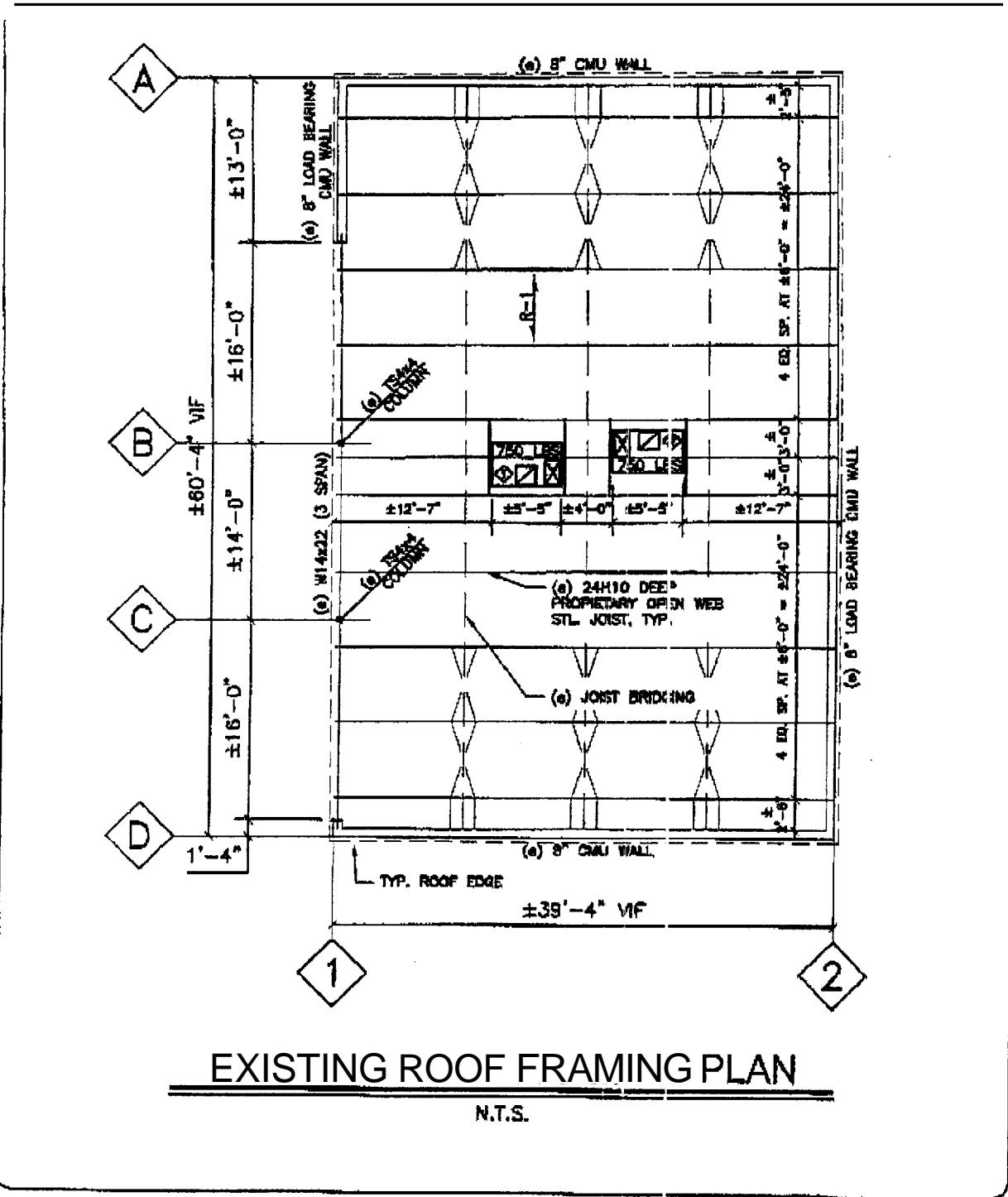
Very truly yours,

HTA\Kimball Chase Division


K. E. Roy, P.E.
Senior Structural Engineer

Cc: FILE





EXISTING ROOF FRAMING PLAN

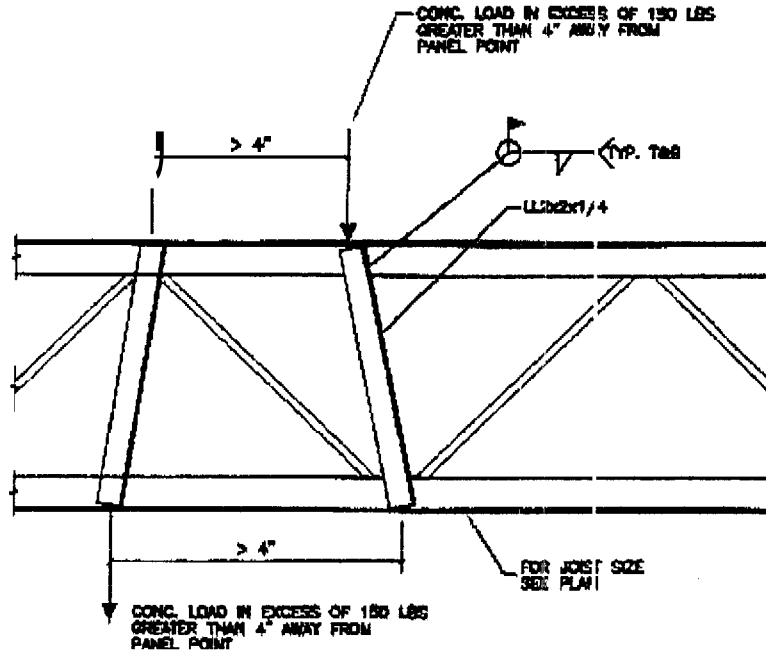
N.T.S.

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ACCURATE AIR, INC.
 140 BOUCHARD ST., MANCHESTER, NH
CUMBERLAND FARMS
 801 WASHINGTON AVE. - PORTLAND, ME

HTA Kimball Chase
 Consulting Engineers
 Consulting Engineers Construction Managers
 28 New Hampshire Ave. Suite #4 Portsmouth, NH 03801
 Phone: (603) 431-2520 Fax: (603) 431-8067

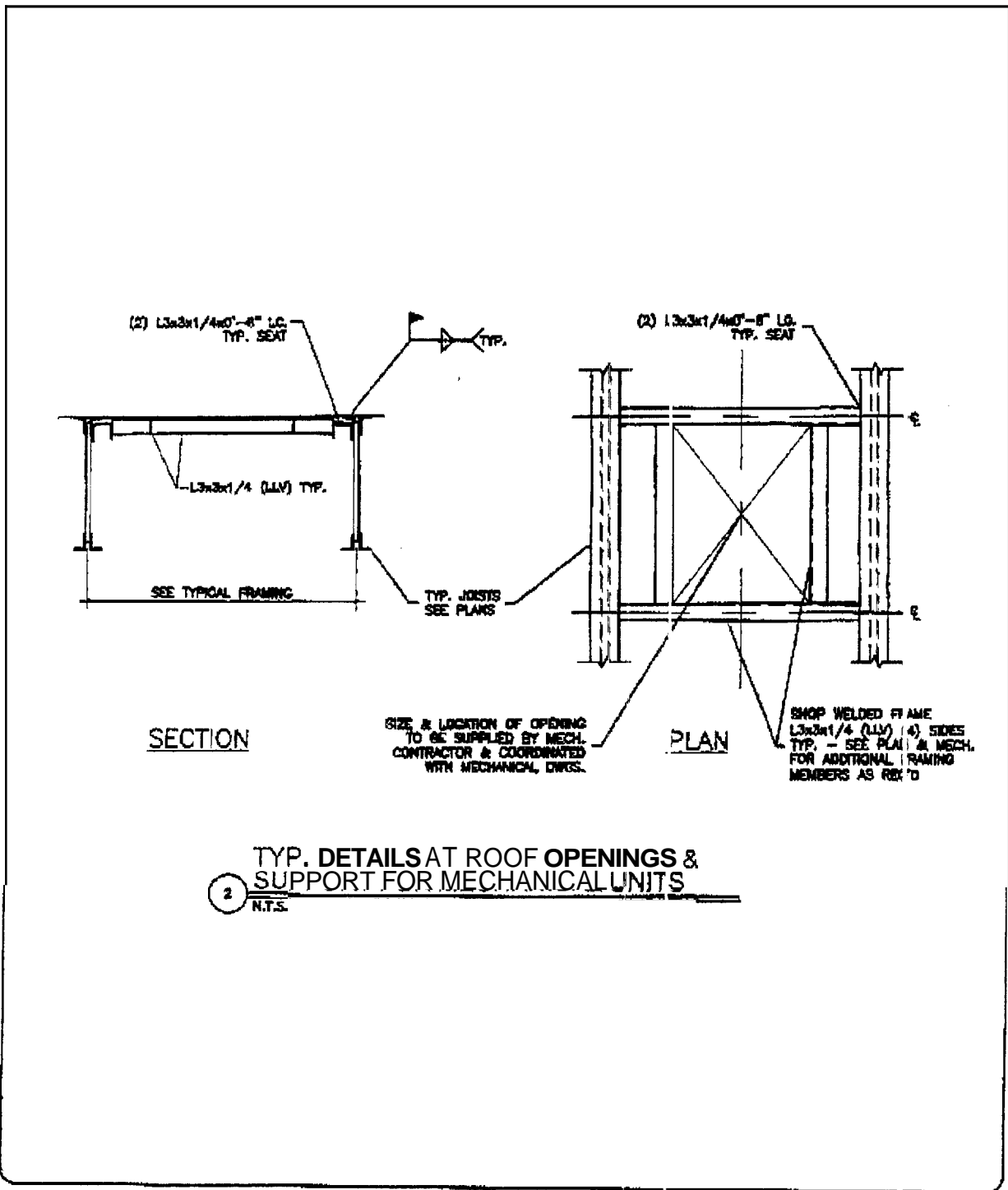
DRAWN BY:	KER
DATE:	FIGURE
07/07/06	SSK-1



1 JOIST REINF. FOR CONCENTRATED LOADS NOT FALLING AT PANEL POINTS
 N.T.S.

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ACCURATE AIR, INC. 140 BOUCHARD ST., MANCHESTER, NH CUMBERLAND FARMS 801 WASHINGTON AVE. - PORTLAND, ME	 Consulting Engineers Consulting Engineers Construction Managers 29 New Hampshire Ave., Suite #4, Portsmouth, NH, 03801 Phone: (603) 431-2520 Fax: (603) 431-8087	DRAWN BY:	KER
		DATE:	07/07/06



SECTION

PLAN

2 TYP. DETAILS AT ROOF OPENINGS & SUPPORT FOR MECHANICAL UNITS

N.T.S.

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ACCURATE AIR, INC. 140 BOUCHARD ST., MANCHESTER, NH CUMBERLAND FARMS 801 WASHINGTON AVE. - PORTLAND, ME		 Consulting Engineers Construction Managers 29 New Hampshire Ave, Suite #4, Portsmouth, NH, 03801 Phone: (603) 431-2970 Fax: (603) 431-8067	DRAWN BY: KER
			DATE: 07/07/06
		FIGURE: SSK-3	



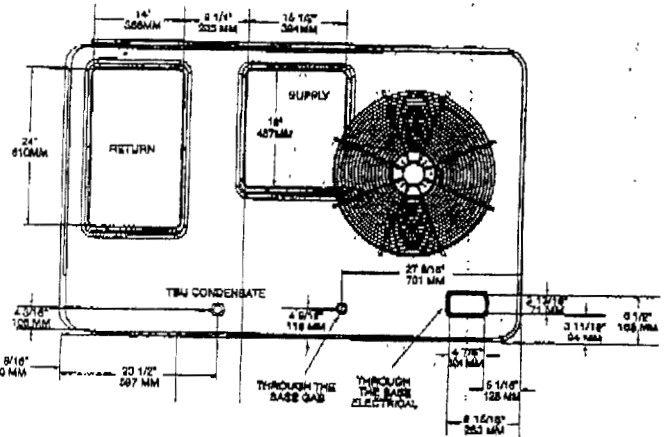
Dimensional Data

(3 - 5 Tons)

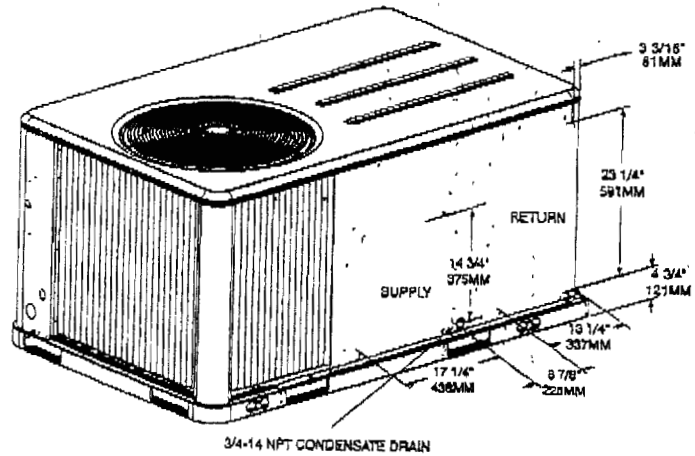
All dimensions are in inches.

3-5 Tons — Downflow Airflow Supply and Return; Through the Base Utilities

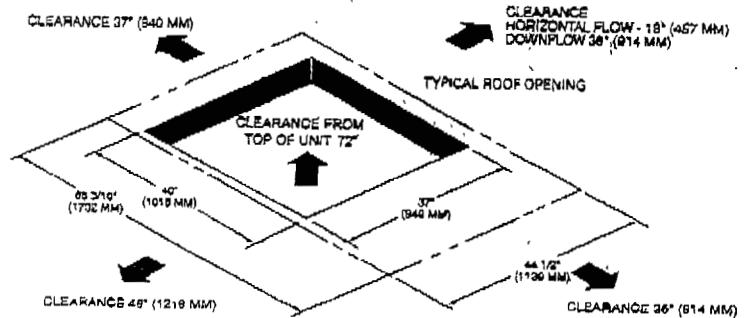
TOP VIEW



3-5 Tons — Horizontal Airflow Supply and Return



3-5 Tons — Unit Clearance and Roof Opening





Weights

Table W-1 -- Maximum Unit And Corner Weights (Lbs) And Center Of Gravity Dimensions (In.)

Tons	Unit Model No.	Maximum Weights (Lbs) ²		Corner Weights (Lbs) ¹				Center of Gravity (In.)	
		Shipping	Net	A	B	C	D	Length	Width
3	YSC036A	534	490	151	124	96	109	32	19
	YHC036A	551	497	158	128	101	110	32	19
	YSC048A	559	505	159	130	108	109	33	19
5	YHC048A	593	539	168	133	114	126	32	20
	YSC060A	578	522	169	134	105	114	32	19
6	YHC060A	628	574	179	140	119	136	32	20
	YSC072A3*H	822	735	249	193	132	161	39	21
6	YHC072A3*H	859	772	249	196	141	164	39	22
	YSC090A3*H	907	820	273	208	146	193	38	22
7 1/2	YSC092A3*H	909	822	277	222	147	176	40	21
	YHC092A3*H	1010	923	306	243	165	210	39	22
8 1/2	YSC102A3*H	986	899	297	243	165	184	40	21
	YHC102A3*H	1044	967	310	252	175	220	40	22
10	YSC120A3*H	1074	987	325	285	183	219	40	21
	YHC120A3*H	1147	1080	342	277	197	245	40	22

NOTE:
 1. Corner weights are given for information only.
 2. Weights are approximate.

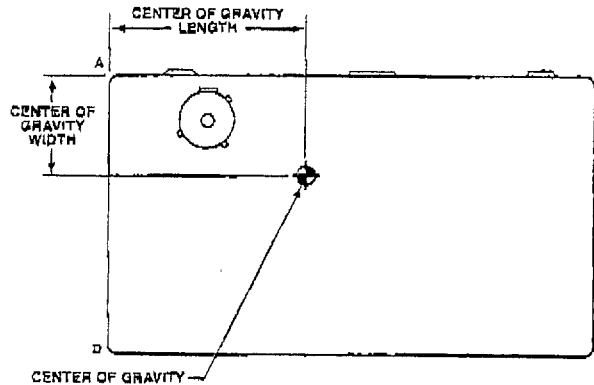


Table W-2 -- Factory-installed Options Net Weights (Lbs)^{1,2}

Accessory	Net Weight	
	3-5 Tons	6-10 Tons
Economizer	29	36
Barometric Relief	7	10
Powered Exhaust	—	80
Motorized Outside Air Damper	20	30
Manual Outside Air Damper	18	28
Roof Curb	70	115
Oversized Motor	5	8
Belt Drive Motor	31	—
Smoke Detector, Rerum	7	7
Smoke Detector, Supply	5	5
Coil Guards	12	20
Hinged Doors	10	12
Powered Convenience Outlet	38	38
Through the Base Electrical	8	13
Through the Base Gas	5	5
Unit Mounted Circuit Breaker	5	6
Unit Mounted Disconnect	6	5
Noxar Control	8	8

NOTES
 1. Weights for options not listed are >5 lbs.
 2. Net weight should be added to unit weight when ordering factory-installed accessories.



Electrical Data

Table ED-4 - Unit Wiring - High Efficiency

Tons	Unit Model No.	Unit Operating Voltage Range	Standard Indoor Fan Motor		Oversize Indoor Fan Motor		Belt Drive Indoor Fan Motor	
			Minimum Circuit Ampacity	Maximum Fuse Size Or Circuit Breaker ¹	Minimum Circuit Ampacity	Maximum Fuse Size Or Maximum Circuit Breaker ¹	Minimum Circuit Ampacity	Maximum Fuse Size Or Maximum Circuit Breaker ¹
3	YHC036A3	187-253	15.7	25	26.3	40	—	—
	YHC036A4	414-506	8.3	15	19.1	25	18	25
	YHC036AW	517-633	7.0	15	0.5	15	4.7	15
	YHC048A1	187-253	21.2	30	7.6	15	7.8	15
4	YHC048A4	414-506	11.0	15	31.5	50	—	—
	YHC048AW	517-633	8.5	15	23.3	35	22.6	35
	YHC060A1	187-253	33.5	60	12.6	15	71.6	15
5	YHC060A4	414-506	13.9	20	91	15	8.5	15
	YHC060AW	517-633	10.6	15	41.2	80	—	—
	YHC072A3	187-253	34.8	50	31.7	45	28.05	45
	YHC072A4	414-506	17.5	26	14.2	20	13.5	20
6	YHC072AW	517-633	13.5	20	11.2	15	10.2	15
	YHC082A3	187-253	38.1	50	36.1	50	—	—
7½	YHC082A4	414-506	19.4	25	18.1	26	—	—
	YHC082AW	517-633	14.8	15	14.3	20	—	—
8½	YHC102A3	187-253	42.3	50	41.2	50	—	—
	YHC102A4	414-506	21.4	25	20.9	25	—	—
	YHC102AW	517-633	16.6	20	18.0	20	—	—
10	YHC120A3	187-253	49.8	60	45.4	60	—	—
	YHC120A4	414-506	25.3	30	22.9	30	—	—
	YHC120AW	517-633	19.9	25	17.2	20	—	—

NOTES:
1. HACR breaker per NEC.

Table ED-1 - Electrical Characteristics - Evaporator Fan Motors - Direct Drive

Tons	Unit Model No.	Standard Evaporator Fan Motor						Oversized Evaporator Fan Motor					
		No.	Volts	Phase	HP	FLA	LRA	No.	Volts	Phase	HP	FLA	LRA
3	Y#C036A1	1	208-230	1	.33	2.30	3.80	1	208-230	1	.50	4.70	9.80
	Y#C036A3	1	208-230	1	.33	2.30	3.90	1	208-230	1	.50	4.70	9.80
	Y#C036A4 Y#C036AW	1 1	460 575	1 1	.33 .33	1.10 1.10	2.00 1.80	1 1	460 480	1 1	.50 .50	2.30 1.70	5.20 3.80
4	Y#C048A1	1	208-230	1	.60	3.60	6.60	1	208-230	1	.80	5.70	13.60
	Y#C048A3	1	208-230	1	.60	3.60	6.60	1	208-230	1	.80	5.70	13.60
	Y#C048A4	1	460	1	.60	1.70	2.80	1	460	1	.80	3.30	7.20
	Y#C048AW	1	575	1	.80	1.60	2.40	1	575	1	.80	2.30	5.80
	Y#C060	1	208-230	1	.90	6.20	14.30	1	208-230	1	1.00	7.90	16.40
	Y#C060A4	1	208-230	1	.90	8.20	14.30	1	208-230	1	1.00	7.90	16.40
	Y#C060AW	1	460	1	.90	3.90	6.60	1	460	1	1.00	3.20	8.20
	Y#C060AW	1	676	1	.90	2.10	4.90	1	575	1	1.00	2.70	5.00



General Data

(5 - 6 Tons) High Efficiency

Table GD-6 - General Data

	5-Ton Convertible Units			8-Ton Convertible Units		
	YHC060A1	YHC060A3, A4, AW		YHC072A3, A4, AW		
Cooling Performance¹						
Gross Cooling Capacity	82,100	62,400		72,000		
SEER / EER ²	11.8 / -	12.2		11.4 ¹¹		
Nominal CFM / ARI Rated CFM	2,000 / 2,000	2,000 / 2,000		2,400 / 2,100		
ARI Net Cooling Capacity	68,000	59,500		68,000		
System Power (KW)	5.73	5.61		5.96 ¹¹		
Heating Performance³						
Heating Models	Low	Medium	High	Low	Medium	High
Heating Input (Btu)	60,000	80,000	130,000	60,000	80,000	130,000
Heating Output (Btu)	48,000	64,000	103,000	48,000	64,000	104,000
AFUE % ⁴	81	81	80	81	81	80
Steady State Efficiency (%) ⁵	81	81	80	81	81	80
No. Burners	2	2	3	2	2	3
No. Stages	1	1	1	1	1	1
Gas Connection Pipe Size (in.)	1/2	1/2	1/2	1/2	1/2	1/2
Compressor						
No./Type	1/Climatuff® Scroll		1/Climatuff Scroll		1/Climatuff Scroll	
Outdoor Sound Rating (dB)⁶						
	63		83		80	
Outdoor Coil - Type						
	Lanced		Lanced		Lanced	
Tube Size (in.) OD	0.3125		0.3126		0.3125	
Face Area (sq ft)	10.96		10.96		17.00	
Rows/FPI	3/17		3/17		3/17	
Indoor Coil - Type						
	Lanced		Lanced		Lanced	
Tube Size (in.)	0.3125		0.3125		0.3125	
Face Area (sq ft)	7.71		7.71		9.69	
Rows/FPI	4/18		3/18		3/18	
Refrigerant Control	Short Office		Short Office		Short Office	
Drain Connection No./Size (in.)	1/4" NPT		1/4" NPT		1/4" NPT	
Outdoor Fan - Type						
	Propeller		Propeller		Propeller	
No. Used/Diameter (in.)	1/22		1/22		1/26	
Drive Type/No. Speeds	Direct/1		Direct/1		Direct/1	
CFM	3,170		3,170		3,170	
No. Motors/HP	1/0.33		1/0.33		1/0.70	
Motor RPM	1,075		1,075		1,075	
Direct Drive Indoor Fan - Type						
	FC Centrifugal		FC Centrifugal		N/A	
No. Used/Diameter (in.)	1/11 x 11 ⁸		1/11 x 11 ⁸		N/A	
Drive Type/No. Speeds	Direct/2		Direct/2		N/A	
No. Motors	1		1		N/A	
Motor HP (Standard/Oversized)	0.90/1.00		0.90/1.00		N/A	
Motor RPM (Standard/Oversized)	965/1,080 ⁹		965/1,080 ⁹		N/A	
Motor Frame Size (Standard/Oversized)	48/48		48/48		N/A	
Belt Drive Indoor Fan - Type						
	FC Centrifugal		FC Centrifugal		FC Centrifugal	
No. Used/Diameter (in.)	1/11 x 11		1/11 x 11		1/12 x 12	
Drive Type/No. Speeds	Belt/Variable Sheave ¹²		Belt/Variable Sheave ¹²		Belt/Variable Sheave	
No. Motors	1		1		1	
Motor HP (Standard/Oversized)	1.00/-		1.00/-		1.00/2.00	
Motor RPM (Standard/Oversized)	1,750/-		1,750/-		1,750/-	
Motor Frame Size (Standard/Oversized)	56/-		56/-		56/56	
Filters - Type						
	Throwaway		Throwaway		Throwaway	
Furnished?	Yes		Yes		Yes	
(No.) Size Recommended	(2) 20 x 25 x 1 ¹⁰		(2) 20 x 25 x 1 ¹⁰		(4) 16 x 25 x 2	
Refrigerant Charge (Lbs of R-22)⁷						
	8.6		7.7		11.3	

NOTES:

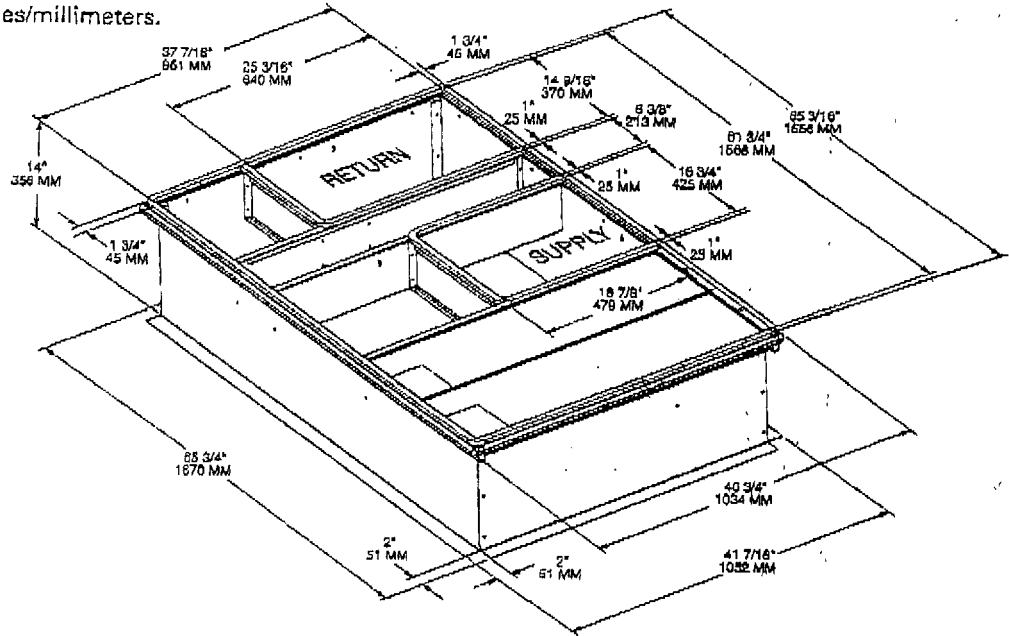
- 1-7. See Notes on Page 16.
- 8. YHC060A Oversized Motor Fan Diameter is 11 x 11.
- 9. Motor RPM shown is low speed. High speed Motor RPM is 1,100/1,135.
- 10. Filter size shown is for low and medium heat models. High Heat model filter size recommended is 20 x 50 x 1.
- 11. YHC072A when applied in a horizontal configuration has an 11.0 SEER and 7.73 System Power (KW).
- 12. Belt Drive Motor is not available for YHC060A1.



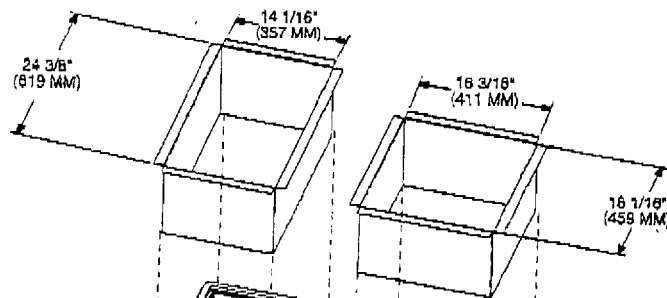
Dimensional Data

(3 - 5Tons)

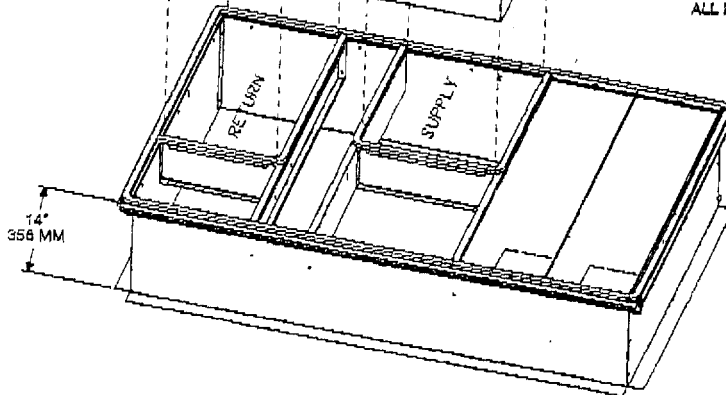
All dimensions are in inches/millimeters.



3-Tons -- Roof Gurb



ALL FLANGE: 1 1/4" (32 MM)

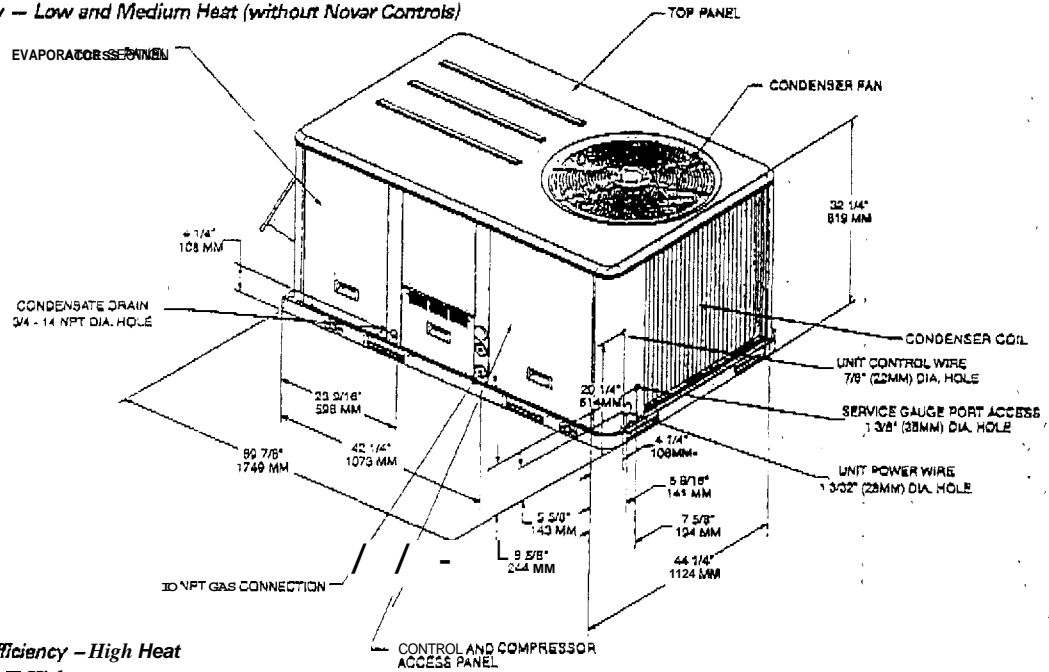




Dimensional Data

All dimensions are in inches/millimeters.

3, 4, and 5 Ton Standard Efficiency – Low and Medium Heat (without Novar Controls)
3 and 4 Ton High Efficiency – Low and Medium Heat (without Novar Controls)



3, 4, and 5 Ton Standard Efficiency – High Heat
3 and 4 Ton High Efficiency – High Heat
5 Ton – High Efficiency – Low, Medium, and High Heat
All 3 through 5 Ton with Novar Controls

