Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

B[illegible]CTION

PERMIT

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED
Permit Number: 051104
AUG 19 2005
CITY OF PORTLAND

This is to certify that Virigo Drywall Associates /P[illegible]and Air[illegible]g, Inc.

has permission to install direct vent gas heating [illegible]tem in a[illegible] of com[illegible]ercial bu[illegible]ng

AT [illegible] 319 A002001

provided that the person or persons, [illegible]m or [illegible]epting this permit shall comply with all of the provisions of the Statutes of M[illegible]ne and of th[illegible]nances of the City of Portland regulating the construction, maintenance and u[illegible] of buildings and st[illegible]tures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

N[illegible]ication[illegible] inspec[illegible]n must gi[illegible] and wr[illegible]n permis[illegible]n procu[illegible] b[illegible]e this b[illegible]ding or [illegible]t thereo[illegible] la[illegible]d or c[illegible]closed-in. H[illegible]R NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. Capt. Greg Cass

Health Dept. _____

Appeal Board _____

Other _____ DepartmentName _____

8/17/05

Director Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
05-1104	PERMIT ISSUED	319 A002001

Location of Construction:	Owner Name:	Address:
101 Mcallister Farm Rd	Dirigo Drywall Associates	101 Mcallister Farm Rd

Business Name:	Contractor Name:	Contractor Address:	Phone
	Portland Airconditioning, Inc.	205 Lincoln St. S. Portland	20 7674 67

Lessee/Buyer's Name	Phone:	Permit Type:	Zone:
		HVAC	I-M

CITY OF PORTLAND

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
commercial building	commercial building with direct vent gas heating system in attic	$462.00	$48,668.00	5

FIRE DEPT: ☑ Approved ☐ Denied

TO NFPA 90B

Signature: Capt Cuss

INSPECTION:
Use Group: U Type: Heating

IBC 2003

Signature:

Proposed Project Description:
install direct vent gas heating system in attic of commercial building

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
jharris	08/08/2005

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
	☐ Denied	☐ Denied
Date:	Date:	Date:

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

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
05-1104	08/08/2005	319 A002001

Location of Construction:	Owner Name:	Owner Address:	Phone:
101 Mcallister Farm Rd	Dirigo Drywall Associates	101 Mcallister Farm Rd	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Portland Airconditioning, Inc.	205 Lincoln St. S. Portland	(207) 767-4567
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
commercial building with direct vent gas heating system in attic	install direct vent gas heating system in attic of commercial building

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 08/15/2005

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 08/17/2005

Note: **Ok to Issue:** ☑

1) **A** special inspection of the installation must occur prior to close out by the engineering design firm.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 08/15/2005

Note: **Ok to Issue:** ☑

1) Instalation to comply with NFPA 90B

319 A 002

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** Lot # 6 McAllister Farm Road Use of Building Commercial Date 08/08/05

Name and address **of** owner of appliance Ken Porter, Porter Drywall, 655 Riverside St Portland ME

Installer's name and address Portland Airconditioning Inc 205 Lincoln St. South Portland, ME 04106 Telephone 207 767 4501

Location of appliance:

- ☐ Basement
- ☐ Floor
- ☒ Attic
- ☐ Roof

Type of Fuel:

- ☒ Gas
- ☐ Oil
- ☐ Solid

Appliance Name: Carrier 58DLA135

U.L. Approved ☒ Yes ☐ No

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

IF NO Explain:

DEPT. OF BUILDING INSPECTION CITY OF PORTLAND, ME AUG 8 2005 RECEIVED

The Type of License of Installer:

- ☐ Master Plumber #
- ☐ Solid Fuel #
- ☐ Oil #
- ☒ Gas # PNT434
- ☐ Other

Type of Chimney:

- ☐ Masonry Lined
  Factory built
- ☐ Metal
  Factory Built U.L. Listing #
- ☒ Direct Vent
  Type UL#

Type of Fuel Tank

- ☐ Oil
- ☒ Gas – natural – piped system

Size of Tank

Number of Tanks

Distance from Tank to Center of Flame feet.

Cost of Work: $ 48,668

Permit Fee: $ 462.00

Approved

Fire:

Ele.:

Bldg.:

Approved with Conditions

- ☐ See attached letter or requirement

Inspector's Signature Date Approved

Signature of Installer #15056

White - Inspection Yellow - File Pink - Applicant's **Gold** - Assessor's Copy

Per the attached letter fro

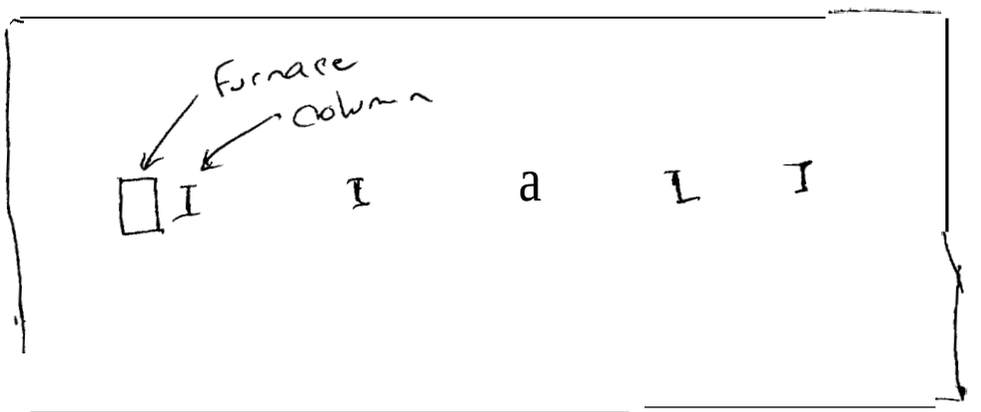
Package Industries Inc. t

Units need to be hung s

off of Frame. There a

Five interior columns evenly spac

that the units will be hung by



Package Industries, Inc.

15 Harback Road Sutton, MA 01590
TEL:(508) 865-5871 FAX:(508) 865-9130 Email: sales@pkgmail.com

Letter of Certification (Page 1 of 2)

Customer:
Biskup Construction Inc.
16 Danielle Drive
Windham, ME 04062

Project:
Ken Porter
McAllister Farm Rd.
Portland, ME 04103

Date: 5/25/2005 Rev'd 7/7/2005
Project ID: 0505-037

Overall Building Description

Width (ft.)	Length (ft.)	Left Eave (ft.)	Right Eave (ft.)	Left Pitch (:12)	Right Pitch (:12)	Peak Height (ft.)	Ridge Offset (ft.)
60.0	165.0	14.0	14.0	3.0	3.0	21.5	30.0

This is to certify the above referenced building and its components have been designed in accordance with Package Industries, Inc.'s standard design practices and established pertinent procedures and recommendations of the following Organizations and/or Specifications.

American Institute of Steel Construction AISC 89
American Welding Society Structural Welding Code(AWS D1.1)
American Society for Testing and Materials (ASTM)
American Iron and *Steel* Institute NASPEC 01
Metal Building Manufacturers Association(MBMA)
AISC Category MB Manufacturers Certification

Design Data

Building Code: IBC *03* Building Classification Category: Standard Building End Use: Business

Snow Loads

Ground Snow (Pg) . 60.0 *psf*
Snow Exposure Factor (Ce) : 1.0
Snow Thermal Factor (Ct) : 1.0
Snow Importance Factor (Is) : 1.0
Flat Roof Scow (Pf) : 42.0 *psf*
Sloped Roof Factor (Cs) : 1.0
Sloped Roof Snow (Ps) : 42.0 *psf*
Design Roof Snow : 42.0 *psf*
% Snow Used in Seismic : 20

Roof Dead, Collateral & Live Loads

Dead Load : 3.0 *psf*
Collateral Load : 5.0 *psf*
Live Load : 20 *psf*
Live Load Reduction Taken : No

Wind Loads

Basic Wind Speed (3-second gust) : 94 *mph*
Wind Exposure : B
Wind Directionality Factor (Kd) : 0.85
Wind Topographic Factor (Kzt) : 1.0
Building Enclosure : c - closed
Importance (Iw) : 1.00
Reference Wind Pressure (Pv) : 22.6 *psf*
Internal Pressure Coeff. (GCpi) : +-0.16

Seismic Loads

Seismic Hazard Group : I
Seismic Importance (Ie) : 1.0
0.2 Sec Spectral Response (Ss) : 0.3179
1.0 Sec Spectral Response (S_1) : 0.0775
Design Spectral Response (Sds) : 0.33
Design Spectral Response (Sd_1) : 0.12
Seismic Design Category : C
Soil Profile : D
Response Modification(OMF),R : 3.0
Response Modification(OCBF),R : 5.0
Seismic Response Coefficent (OMF),Cs : 0.1092
Seismic Response Coefficent (OCBF),Cs : 0.0655
Deflection Amplification (OMF),Cd : 3.0
Deflection Amplification (OCBF),Cd : 4.5
Design Base Sheer (V) = Cs * W :
Analysis Procedure : 1617.4

Auxllary Load(s)

5) 200 lb. suspendtd heater units (located max. 3' off frames)

Package Industries, Inc.

15 Harback Road Sutton, MA 01590
TEL:(508) 865-3871 FAX:(508) 865-9130 Email: sales@pkgmail.com

Letter of Certification (Page 2 of 2)

Customer:
Biskup Construction Inc.
16 **Danielle Drive**
Windham, **ME** 04062

Project
Ken Porter
McAllister Farm Rd.
Portland, **ME** 04103

Date: 5/25/2005 Rev'd 7/7/2005
Project ID: 0505-037

Additional Structural Material may be fabricated and provided for use in a Package Industries, Inc. building by any of the following fabricators:

Panels and Trims:

MBCI/NCI Building Components	Rams, **NY**
MBCI/NCI Building Components	Richmond, VA
MBCI/NCI Building Components	Atlanta, GA

Barjoist and **Decking:**

Canam Steel Carp,	**Point of Rooks, MD**
Canam Steel Corp.	Columbus, OH
John W. Hancock, Jr., Inc.	**Salem, SA**
Vulcraft Div., Nucor Carp.	St. Joe, IN
SMI Joist Company	**Hope, Arkansas**

This Letter of Certification applies solely to the building and its component parts as furnished by Package Industries, Inc., and specifically excludes any foundation, masonry, general contract work, materials or components not furnished by Package Industries, Inc., or any unauthorized modifications to framing systems furnished by Package Industries, Inc.. Inspections and/or erection certifications are not by Package Industries, Inc..

The Design and Certification for this project is in accord with the provisions and loads specified in the Order Documentation. The buyer is responsible for verifying that the specified loads above are in compliance with the local regulatory authorities.

Sincerely,

Dean R. Mantelli, P.E.

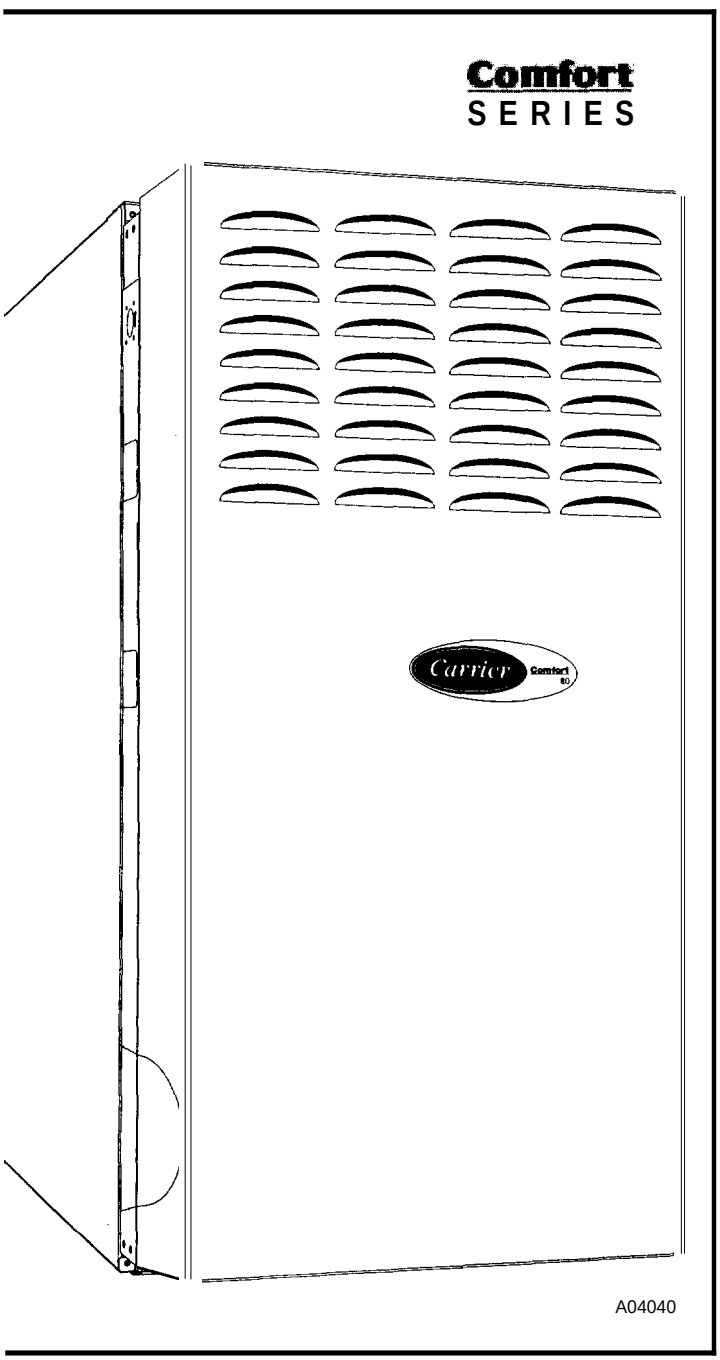
STATE OF MAINE
DEAN R. MANTELLI
NO. 10220
REGISTERED PROFESSIONAL ENGINEER

Carrier®

Product Data

58DLA/DLX
Comfort™ 80
Deluxe 4-Way Multipoise Induced-Combustion Gas Furnace

Input Capacities:
45,000 thru 155,000 Btuh



THE CARRIER Comfort™ 80 GAS FURNACE

The 58DLA/DLX 4-way Multipoise Gas Furnaces offer deluxe features not found in other single-stage 80% gas furnaces. Carrier's QuieTech™ noise reduction system makes the Comfort™ 80 an incredibly quiet induced draft gas furnace. The exclusive Carrier Media Cabinet provides an economic way to add high perfotmance air filtration to homes. The gas furnace control system provides a dehumidification mode, a third motor speed selection for continuous fan operation selectable at the thermostat, and fault code storage in the event of power outages. Applications are easy with 4-way multipoise design, through-the-furnace downflow venting, 13 different venting options, and a door designed for easy service access. An inner blower door is provided for tighter sealing in sensitive applications. The 58DLA/DLX furnaces are approved for use with natural or propane gas, and the 58DLX is approved for use in Low NOx Air Quality Management Districts.

STANDARD FEATURES

- QuieTech™ noise reduction system
- SmartEvap™—Humidity control when using a Thermidistat control
  Comfort Fan™–adjustable constant fan speed from the thermostat
- Media Filter Cabinet included
- Microprocessor based control center
  LED diagnostics and self test feature
  Stores fault codes during power outages
  Adjustable heating air temperature rise
  Adjustable cooling airflow
  Dehumidification selection for summer-time cooling
- 4-way Multipoise furnace, 13 vent applications
- Compact design - only 33-1/3 in. tall
- Hot surface ignition (HSI)
- Draft safeguard switch to ensure proper furnace venting
- Insulated blower compartment
- Inner door for tighter sealing
- Heat Pump compatible
- All models are Chimney Friendly when used with accessory vent kit
- Twinning in Upflow, Downflow and Horizontal
- Residential installations eligible for consumer financing through the Retail Credit Program

LIMITED WARRANTY

- 20-year warranty on "Super S™" heat exchanger
- 5-year parts warranty on all other components

hysical data

UNIT SIZE		090	110			135		155
		20	12	16	22	16	22	20
PUT CAPACITY BTUH* (nweatherized ICS) †	58DLX Upflow; all 58DLA	71,000	89,000	89,000	89,000	107,000	107,000	125,000
	58DLX Downflow/Horizontal	68,000	85,000	85,000	85,000	102,000	102,000	119,000
T BTUH*	58DLX Upflow; all 58DLA	88,000	110,000	110,000	110,000	132,000	132,000	154,000
	58DLX Downflow/Horizontal	84,000	105,000	105,000	105,000	126,000	126,000	147,000
E%*	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0	80.0	80.0
PING WEIGHT (lb.)		146	135	146	152	149	163	170
TIFIED TEMP RISE RANGE (°F)		25–55	50–80	40–70	30–60	50–80	40–70	45–75
TIFIED EXT STATIC ESSURE	Heating	0.15	0.20	0.20	0.20	0.20	0.20	0.20
	Cooling	0.50	0.50	0.50	0.80	0.50	0.50	0.50
LOW CFM‡	Heating	1990	1335	1515	1900	1525	1850	1790
	Cooling	2025	1355	1680	2220	1710	2110	2230
T CONTROL		SPST						
TING BLOWER CONTROL		Solid-State Time Operation						
NERS (Monoport)		4	5	5	5	6	6	7
CONNECTION SIZE		1/2-in. NPT						
VALVE (Redundant) Manufacturer		White-Rodgers						
imum Inlet Pressure (In. wc)		4.5 (Natural Gas)						
ximum Inlet Pressure (In. wc)		13.6 (Natural Gas)						
TION DEVICE		Hot Surface						

s input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 4 percent for each 1000 ft above sea level. Refer to tional Fuel Gas code Table F4 or furnace Installation Instructions. In Canada, derate the unit 10 percent for elevations 2000 to 4500 ft above sea level.
apacity in accordance with U.S. Government DOE test procedures.
rflow shown is for bottom only return-air supply. For air delivery above 1800 CFM, see *Air Delivery Table for other options*. A filter is required for each um-air supply. An airflow reduction of up to 7 percent may occur when using a Carrier 4-5/15 in. high efficiency media filter.
— Isolated Combustion System

lower performance data

UNIT SIZE	090	110			135		155
	20	12	16	22	16	22	20
RECT-DRIVE MOTOR Hp (PSC)	3/4	1/3	1/2	3/4	1/2	3/4	3/4
OTOR FULL LOAD AMPS	11.1	5.2	7.9	11.1	7.9	11.1	11.1
PM (Nominal) – SPEEDS	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4
LOWER WHEEL DIAMETER × WIDTHS (In.)	11 x 11	10 x 8	10 x 10	11 x 11	10 x 10	11 x 11	11 x 11

C-Permanent Split Capacitor