

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

CONSTRUCTION

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 Dirigo Drywall Associates / Portland and Air Conditioning, Inc.
has permission to install direct vent gas heating system in a of commercial building
AT 319 A002001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, 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.

Notification of inspection must be given and written permission procured before this building or part thereof is altered or closed-in. HEAVY 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. Chief Loren Cass
Health Dept. _____
Appeal Board _____
Other _____ DepartmentName

[Signature] 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: 05-1104	Issue Date: PERMITS 10/31/05	CBL: 319 A002001
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Location of Construction: 101 Mcallister Farm Rd	Owner Name: Dirigo Drywall Associates	101 Mcallister Farm Rd	
Business Name:	Contractor Name: Portland Airconditioning, Inc.	Contractor Address: 205 Lincoln St. S. Portland	Phone: 20 7674 67
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: I-M
Past Use: commercial building	Proposed Use: commercial building with direct vent gas heating system in attic	Permit Fee: \$462.00	Cost of Work: \$48,668.00
Proposed Project Description: install direct vent gas heating system in attic of commercial building		CE0 District: 5	
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied TO NFPA 90B	INSPECTION: Use Group: U Type: Heating IBC 2003
		Signature: <i>Chad Cass</i>	Signature: <i>[Signature]</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied			
		Signature:	Date:

Permit Taken By: jharris	Date Applied For: 08/08/2005	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>	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 Date:	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 checked="" 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:	

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: 05-1104	Date Applied For: 08/08/2005	CBL: 319 A002001
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Location of Construction: 101 Mcallister Farm Rd	Owner Name: Dirigo Drywall Associates	Owner Address: 101 Mcallister Farm Rd	Phone:
Business Name:	Contractor Name: Portland Airconditioning, Inc.	Contractor Address: 205 Lincoln St. S. Portland	Phone (207) 767-4567
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: commercial building with direct vent gas heating system in attic	Proposed Project Description: install direct vent gas heating system in attic of commercial building
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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 Driveway, 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
- Attic
- Floor
- Roof

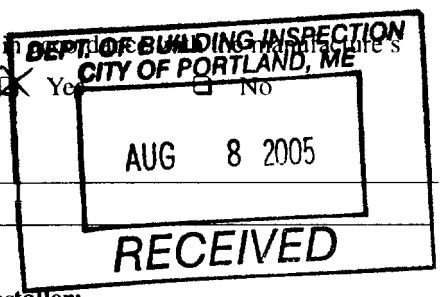
Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Carrier 58DLA135

U.L. Approved Yes No

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



IF NO Explain:

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT 434
- 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 _____

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

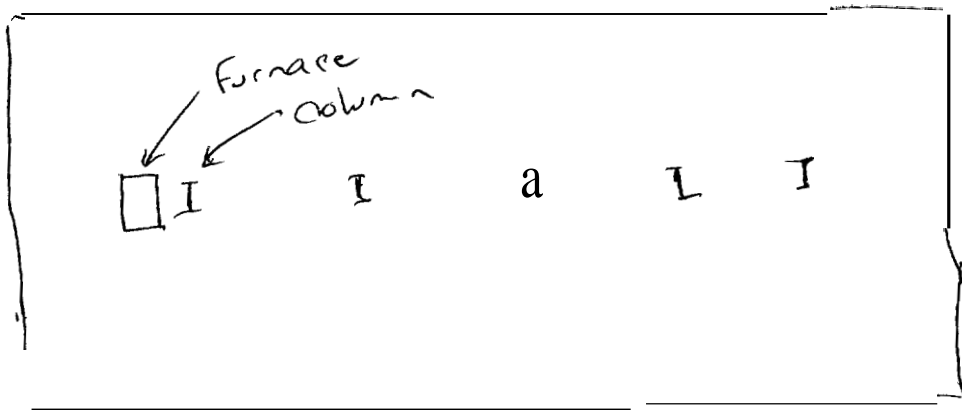
15056

Per the attached letter fro

Package Industries Inc. +

Units need to be hung 3
off of frame. These are

Five interior columns evenly spaced
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.

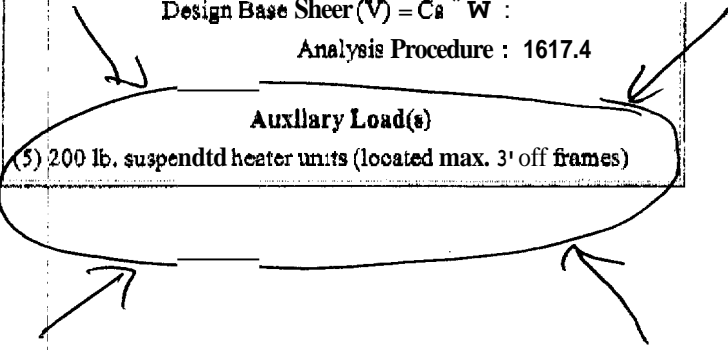
American Institute of Steel Construction AISC 89
 American Welding Society Structural Welding Code(AWS D1.1)
 American Society for Testing and Materials (ASTM)
 American Iron and Steel Institute NASPEC 01
 Metal Building Manufacturers Association(MBMA)
 AISC Category MB Manufacturers Certification

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 Snow (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 (S1)	: 0.0775
Design Spectral Response (Sds)	: 0.33
Design Spectral Response (Sd1)	: 0.12
Seismic Design Category	: C
Soil Profile	: D
Response Modification(OMF),R	: 3.0
Response Modification(OCBF),R	: 5.0
Seismic Response Coefficient (OMF),Cs	: 0.1092
Seismic Response Coefficient (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
Auxiliary Load(s)	
(5) 200 lb. suspended heater units (located max. 3' off frames)	





Package Industries, Inc.

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

Letter of Certification (Page 2 of 2)

<i>Customer:</i>	<i>Project</i>	<i>Date: 5/25/2005 Rev'd 7/7/2005</i>
Biskup Construction Inc.	Ken Porter	<i>Project ID: 0505-037</i>
16 Danielle Drive	McAllister Farm Rd.	
Windham, ME 04062	Portland, ME 04103	

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 Corp.	St. Joe, IN
SMI Joist Company	Hope, Arkansas

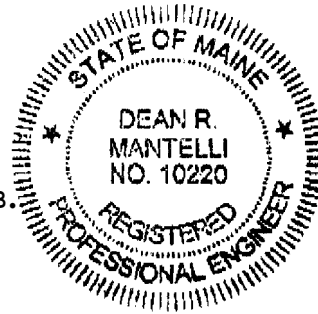
This Letter of Certification applies solely to the building and its component parts as furnished by Package Industries, Inc., and specifically excludes any foundation, masonry, general contract work, materials or components not furnished by Package Industries, Inc., or any unauthorized modifications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



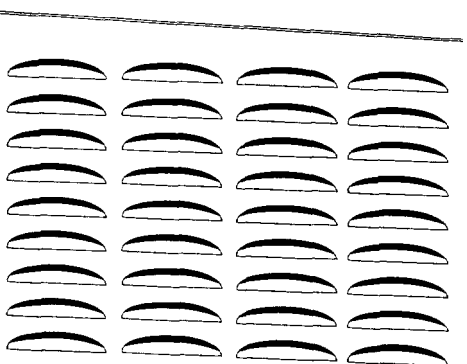
Product Data



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

Input Capacities:
45,000 thru 155,000 Btuh

Comfort SERIES



A04040

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 QuietTech™ 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 performance 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

- QuietTech™ 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

Physical data

UNIT SIZE		095		111		135		155	
		10	12	14	16	18	20	22	24
INPUT CAPACITY BTUH* Nonweatherized 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	
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	
EFFICIENCY*	Nonweatherized ICS	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
WEIGHT (lb.)		146	135	146	152	149	163	170	
TEMPERATURE RISE RANGE (°F)		25-55	50-80	40-70	30-60	50-80	40-70	45-75	
EXTENDED STATIC PRESSURE	Heating	0.15	0.20	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	0.50
AIRFLOW CFM‡	Heating	1990	1335	1515	1900	1525	1850	1790	
	Cooling	2025	1355	1680	2220	1710	2110	2230	
CONTROL		SPST							
STARTING BLOWER CONTROL		Solid-State Time Operation							
TERMINALS (Monoport)		4	5	5	5	6	6	7	
CONNECTION SIZE		1/2-in. NPT							
VALVE (Redundant) Manufacturer		White-Rodgers							
Minimum Inlet Pressure (In. wc)		4.5 (Natural Gas)							
Maximum Inlet Pressure (In. wc)		13.6 (Natural Gas)							
IGNITION DEVICE		Hot Surface							

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 International 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. Capacity in accordance with U.S. Government DOE test procedures.

Airflow 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 return-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

Blower performance data

UNIT SIZE		095		111		135		155	
		10	12	14	16	18	20	22	24
DIRECT-DRIVE MOTOR Hp (PSC)		3/4	1/3	1/2	3/4	1/2	3/4	3/4	
MOTOR FULL LOAD AMPS		11.1	5.2	7.9	11.1	7.9	11.1	11.1	
MOTOR (Nominal) - SPEEDS		1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	1075-4	
LOWER WHEEL DIAMETER x WIDTHS (In.)		11 x 11	10 x 8	10 x 10	11 x 11	10 x 10	11 x 11	11 x 11	

‡ Permanent Split Capacitor