

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 05-1459	Issue Date: PERMIT ISSUED OCT 26 2005	COL: 32 A004001
-----------------------	--	--------------------

Location of Construction: 470 RIVERSIDE ST	Owner Name: PENDE ASSOCIATES INC	Owner Address: 42 SOUTH ST	Phone: CITY OF PORTLAND 2073212261
Business Name:	Contractor Name: Pine State Plumbing & Heating	Contractor Address: PO BOX 6308 Scarborough	Phone: 2073212261
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: IM

Past Use: Commercial	Proposed Use: Commercial/ install a moding gas unit Gas Heaters on floor	Permit Fee: \$210.00	Cost of Work: \$21,000.00	CEO District: 5
Proposed Project Description: install a moding gas unit Gas Heaters on floor		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied TO NFPA 54	INSPECTION: Use Group: U Type HVAC State Gas Regs Signature: <i>[Signature]</i>	

Signature: <i>[Signature]</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: Idobson	Date Applied For: 09/30/2005	Zoning Approval	
-----------------------------	---------------------------------	------------------------	--

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..	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"/> MM <input type="checkbox"/> Date: <i>[Signature]</i> 10/13/05	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: <i>[Signature]</i>
--	--	--	--

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: 05-1459	Date Applied For: 0913012005	CBL: 321 A004001
-----------------------	---------------------------------	---------------------

Location of Construction: 470 RIVERSIDE ST	Owner Name: PENDE ASSOCIATES INC	Owner Address: 42 SOUTH ST	Phone:
Business Name:	Contractor Name: Pine State Plumbing & Heating	Contractor Address: PO Box 6308 Scarborough	Phone (207) 321-2261
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial/ install a moding gas unit Gas Heaters on floor	Proposed Project Description: install a moding gas unit Gas Heaters on floor
---	---

Dept: Zoning Status: Approved Reviewer: Marge Schmuckal Approval Date: 1011312005
 Note: Ok to Issue:

Dept: Building Status: Approved with Conditions Reviewer: Tammy Munson Approval Date: 10/26/2005
 Note: Ok to Issue:

1) The installation must comply with the State of Maine Gas Regulations.

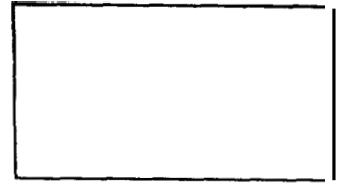
Dept: Fire Status: Approved with Conditions Reviewer: Cptn Greg Cass Approval Date: 10/13/2005
 Note: Ok to Issue:

1) Install to NFPA 54.



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



391 A004

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 PORTLAND Use of Building WAREHOUSE/OFFICE Date 9-29-05
 Name and address of owner of appliance SANI-CLEAN 470 RIVERSIDE ST
PORTLAND ME
 Installer's name and address PINE STATE P&H
PO BOX 6308 SCARBOROUGH ME 04070 Telephone 207-321-2262

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: MODINE GAS UNIT HEATERS
BRYANT GAS FURNACE

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 # PNT 1197
 Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____

Type of Fuel Tank

- Oil
 Gas

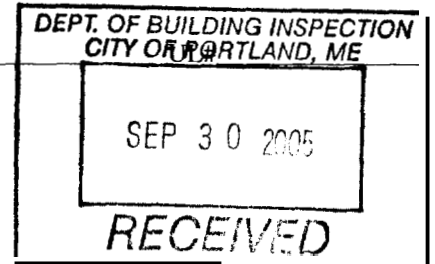
Size of Tank 1000

Number of Tanks 1

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 21,000.00

Permit Fee: \$ 210.00



Approved

Approved with Conditions

Fire: _____

See attached letter or requirement

Ele.: _____

Bldg.: _____

Inspector's Signature

Date Approved

Signature of Installer

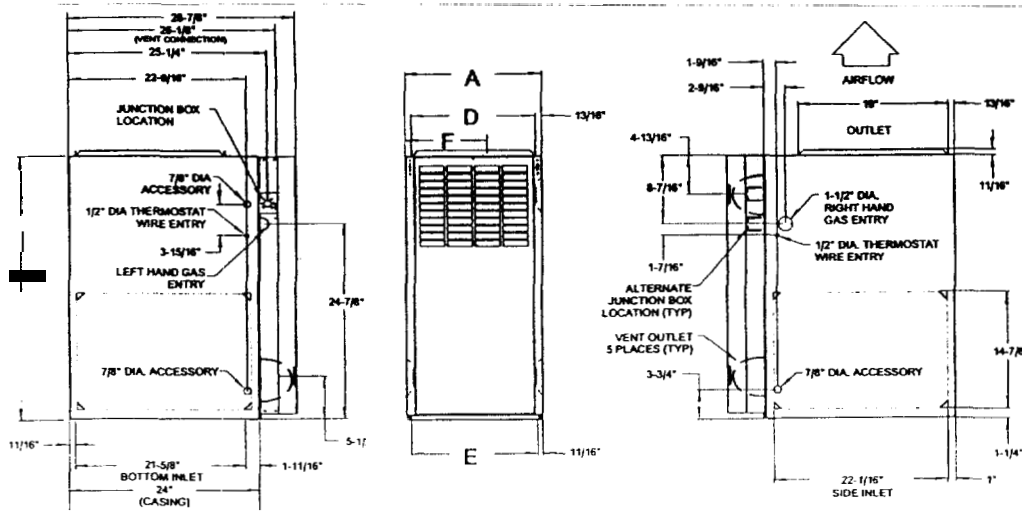
[Handwritten Signature]

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

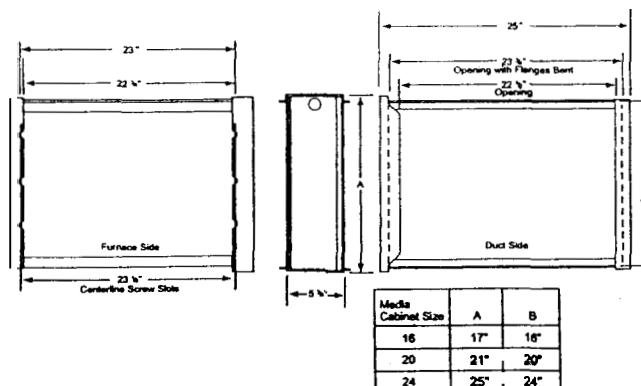


A03060

- NOTES:
- Two additional 7/8-in. dia knockouts are located in the top plate.
 - Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturers recommendations for equivalent diameters.
 - Minimum return-air opening at furnace:
 - For 800 CFM-16-in. round or 14-1/2 x 12-in. rectangle.
 - For 1200 CFM-20-in. round or 14-1/2 x 19-1/2 rectangle.
 - For 1600 CFM-22-in. round or 14-1/2 x 22-1/16-in. rectangle.
 - For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

311AAV/311JAV UNIT SIZE	A (CABINET WIDTH)	D (SUPPLY WIDTH)	E (BOTTOM RETURN WIDTH)	F (C.L. TOP & BOTTOM VENT OUTLET)	VENT CONNECTION SIZE (see notes 1 & 2)	SHIPPING WEIGHT	MEDIA CABINET SIZE
024045	14-3/16	12-9/16	12-11/16	9-5/16	4	114	16
036045	14-3/16	12-9/16	12-11/16	9-5/16	4	117	16
024070	14-3/16	12-9/16	12-11/16	9-5/16	4	121	16
036070	14-3/16	12-9/16	12-11/16	9-5/16	4	125	16
048070	17-1/2	15-7/8	16-1/8	11-9/16	4	136	16
042090	17-1/2	15-7/8	16-1/8	11-9/16	4	135	16
048090	21	19-3/8	19-1/2	13-5/16	4	150	20
060090	21	19-3/8	19-1/2	13-5/16	4	156	20
036110	17-1/2	15-7/8	16-1/8	11-9/16	4	143	16
048110	21	19-3/8	19-1/2	13-5/16	4	156	20
066110	21	19-3/8	19-1/2	13-5/16	4	162	20
048135	21	19-3/8	19-1/2	13-5/16	4 (note 1)	159	20
066135	24-1/2	22-7/8	23	15-1/16	4 (note 1)	173	24
060155	24-1/2	22-7/8	23	15-1/16	4 (note 1)	180	24

- 1) 135 and 155 size furnaces require 5-in. vents. Use a 4-5 in. vent adapter between furnace and vent stack.
- 2) See Installation Instructions for complete installation requirements.



GAS-FIRED, POWER-EXHAUSTED HIGH-EFFICIENCY II™ UNIT HEATERS

80% Thermal Efficiency • Rotating Power Exhaust • Horizontal or Vertical Venting • Field-Convertible to Propane
 Field-Adjustable Level Hanging • Intermittent Pilot Ignition, 100% Shut-Off with Continuous Retry

HIGH EFFICIENCY II

X4

The PDP (propeller) and BDP (blower) High Efficiency II gas-fired unit heaters are a generation of products that are inexpensive to install, easy to use, and offer excellent in-service economy.

Each Modine power-exhausted unit heater has been engineered to include the following features:

- 80% thermal efficiency, maximizing seasonal efficiency through the use of a collector box and the power exhauster.
- A power exhaust that can be rotated 180°. The unit can be vented vertically or horizontally.
- A 100% shut-off, intermittent pilot-ignition system with continuous retry, at no extra charge. This ignition system allows for all PDP/BDP units to be fieldconverted to propane, if desired.
- A safety pressure-switch to assure safe venting conditions.
- Designed to utilize the smallest-diameter vent pipe possible.
- PDP models are designed to operate against 0.5 inches of external static pressure.
- Wing" screws so that the bottom pan can be dropped without a screwdriver or nut driver.
- A level hanging mechanism for easy field adjustments after adding accessories that may change the unit's center of gravity.

Performance Data

	Model Number											
	PDP 30	PDP 50	PDP 75	PDP 100	PDP 125	PDP 150	PDP 175	PDP 200	PDP 250	PDP 300	PDP 350	PDP 400
Btu/hr Input	30,000	50,000	75,000	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
Btu/hr Output	24,000	40,000	60,000	80,000	100,000	120,000	140,000	160,000	200,000	240,000	280,000	320,000
Vent Dia. (In.)	3 or 4	3 or 4	4	4	4	5	5	5	6	6	6	6
CFM @ 70°F	440	740	1100	1460	1850	2180	2550	2870	3700	4460	4870	5440
Air Temp. Rise (°F)	51	50	51	51	50	51	51	52	50	50	53	54
Maximum Mounting Height (Ft)	7	9	12	14	14	16	17	15	19	21	20	19
Heat Throw (Ft) ①	25	33	41	49	51	55	59	51	67	74	70	69
Motor HP	1/40	1/40	1/12	1/12	1/8	1/8	1/6	1/6	1/3	1/2	3/4	3/4

① At 65° ambient temperature and unit fired at full-rated input. Mounting height is measured from floor to bottom of unit.

	Model Number										
	BDP 50	BDP 75	BDP 100	BDP 125	BDP 150	BDP 175	BDP 200	BDP 250	BDP 300	BDP 350	BDP 400
Btu/hr Input	50,000	75,000	100,000	125,000	150,000	175,000	200,000	250,000	300,000	350,000	400,000
Btu/hr Output	40,000	60,000	80,000	100,000	120,000	140,000	160,000	200,000	240,000	280,000	320,000
Vent Dia. (In.)	3 or 4	4	4	4	5	5	5	6	6	6	6
Motor HP (Std 115V/60Hz/1Ph)	1/4	1/4	1/4	1/4	1/4	1/3	1/4	1/3	3/4	1	1-1/2
Air Flow CFM Range	529-926	794-1389	1058-1852	1323-2315	1587-2778	1852-3241	2116-3704	2646-4630	3175-5556	3704-6481	4233-7407
Air Temp. Rise Range (°F)	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70	40-70

Note: Maximum mounting heights and heat throws for BDP models, without ductwork or nozzles, and at a CFM yielding a 55° temperature rise, are the same as those listed for equivalent size PDP units.

DO NOT LOCATE ANY GAS-FIRED UNIT IN AREAS WITH CHLORINATED, HALOGENATED OR ACIDIC VAPORS IN ATMOSPHERE.

Request Catalog 6-189 For Complete Technical Information and Specifications.

