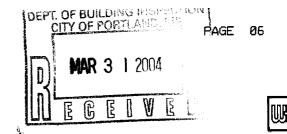
				PERMITISS	NED!
			Permit No:	Issue Date:	CBL:
			·	JUN 0 4 20	004 436 A015001
Location of Construction:	Owner Name:		Owner Address:		Phone:
46 Yale St	Mks Develop	oment Inc	7 Terra Way	aty of Part	LAND
Business Name:	Contractor Nan	ne:	Contractor Address	;; ² 000000000000000000000000000000000000	Phone
	Jackson, Jim				·
Lessee/Buyer's Name Phone:			Permit Type: HVAC		Zone:
Past Use: Proposed Use:			Permit Fee:	Cost of Work:	CEO District:
Single Family Home	Single Family	Single Family Home/ Install a weil		\$3,500.00	4
McLain natura		ar gas boner	FIRE DEPT:	Approved Use	PECTION: Group: Type: Head State Gas Rey
Proposed Project Description	:		7 / 1/		
Install a weil McLain na	tural gas boiler		Signature	Sign	nature:
Permit Taken By:	Date Applied For:	1	Zonin	g Approval	s Denies
ldobson	06/03/2004		Zomi	g Approvai	W. di D
This permit applicati	on does not preclude the	Special Zone or Revi	iews Zon	ing Appeal	Historic Preservation His ric Preservation
	eeting applicable State and	Shoreland	☐ Varian	ce	Not in District or Landmar
 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. 		Wetland	Miscel	laneous	Does Not Require Review
		Flood Zone	Condit	ional Use	Requires Review
False information mapermit and stop all w	y invalidate a building ork	Subdivision (Interpre	etation	Approved
		Site Plan	Approv	ved	Approved w/Conditions
PER	MITISSUED N O 4 2004	Maj Minor MM	Denied Date:	l	Denied Date:
	OF PORTLAND	, (, ,
		CERTIFICATI	ION		
I hereby certify that I am the	he owner of record of the n	amed property, or that t	he proposed work i	is authorized by th	ne owner of record and that

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
PERSONAL PROPERTY IN THE PERSON IN THE PERSO			

•	e - Building or Use Permit Tel: (207) 874-8703, Fax: (2)	Permit No: 04-0727	Date Applied For: 06/03/2004	CBL: 436 A015001	
Location of Construction:	Owner Name: O		Owner Address:		Phone:
46 Yale St	Mks Development Inc	Mks Development Inc		7 Terra Way	
Business Name:	Contractor Name:	(Contractor Address:		Phone
	Jackson, Jim		30 Bolton St. Portla	and	(207) 831-1810
Lessee/Buyer's Name Phone: Permit Type: HVAC					
Single Family Home/ Install a	a weil McLain natural gas boiler	Install	a weil McLain nat	ural gas boiler	
Dept: Zoning St Note:	atus: Approved	Reviewer:	Tammy Munson	Approval Da	te: 06/04/2004 Ok to Issue: ✓
Note:	atus: Approved with Conditions		Tammy Munson	Approval Da	te: 06/04/2004 Ok to Issue: □



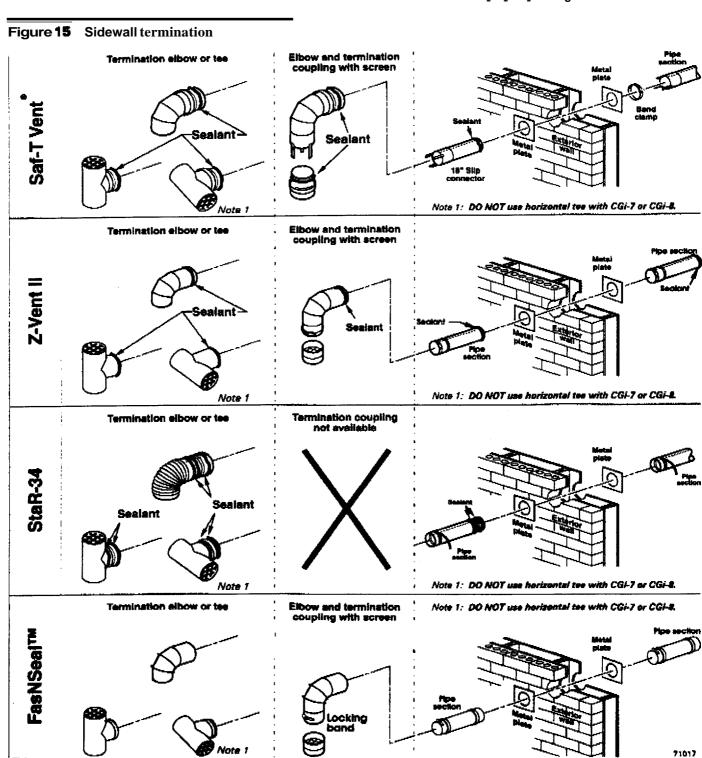
Boiler Manual

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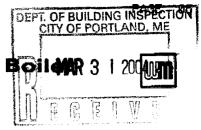
vertical or sidewall

WARNING

Using any termination other than one of those shown could cause nuisance outages and loss of heat, resulting in substantial property damage.



GOLD CGi Series 2 Gas-Fired Water Boild



31 Venting - direct exhaust

- 1. Do not mix types or manufacturers of vent materials.
- 2. Clean all joints before sealing. See vent manufacturer's instructions for cleaning and sealing joints. Use their specified sealant. Do not use screws.
- 3. Install vent pipe with seams on top of vent horizontal runs. Follow requirements in section 34, page 17, far vent termination.
- 4. Maintain minimum 2" clearance from combustible materials to vent pipe.
- 5. Vertical venting See Figure 13. Follow vent manufacturer's instructions for venting through roof.
 - Vent pipe must extend through roof flashing, jacket or thimble.
 - Vent may pass through floor, inside wall or conceald space when installed according to vent manufacturer's instructions.

Sidewall venting - See Figures 14 and 15. Vent must terminate at least one foot above anticipated snowline. Vent must be terminated only

- Tee or elbow with integral screen. (Tee may be mounted either vertically or horizontally. DO NOTuse horizontal tee with CGi-7 or CGi-8.)
- Elbow and termination coupling with Screen {not available for StaR-34).
- 6. Do not seal vent pipe (slip connector for Saf-TVent) to inside or outside plate.
- 7. If passing through noncombustible wall, provide **bole** diameter large enough to insert the vent pipe (slip connector for Saf-TVent).
- 8. Install horizontal drain tee as dose as possible to boiler, in first horizontal run. See Figure 13.
- 9. Do not exceed the maximum vent system length given in Table 4, page 15.

Condensate drain line — use only silicone tubing WARNING rated for at least 400 °F for the first 18" of condensate drain line, then other nan-metallic tubing may be used. Using any other material.could cause flue gas leakage, potentially resulting in severe personal injury, death or substantial property damage.

On some installations, the condensate drain fitting maybe omitted, provided:

- Vent manufacturer shows tl [r in their instructions
- Venti le ed tow red termination as in 1 dli in
- The and vent is l per **Weil** ucti

d on the ground below. ppig from such yents may 4 3 Consider traffic in the area to avoid hazard due to ice cum

Figure 13 Direct exhaust vertical venting

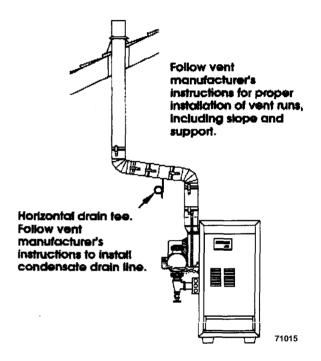
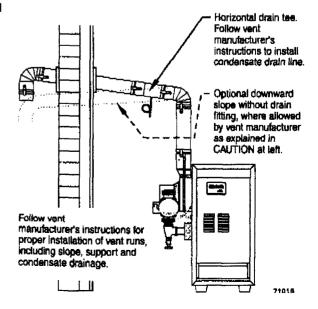
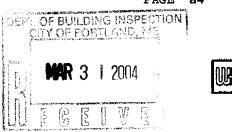


Figure 14 Directexhaust sidewall venting



Boiler Manual

2078284183



3e Venting — direct exhaust — vent termination

WARNING

Follow instructions on this page when determining vent location to avoid possibility of severe personal injury, death or substantial property damage.

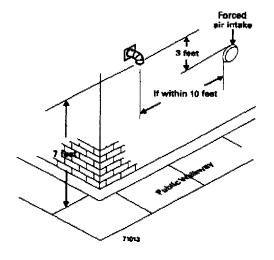
- Locate the boiler and vent penetration through the wall so all requirements on this page and in Figure 12 will be mct. Also follow vent manufacturer's instructions.
- Gases will form white plume in winter. Plume could obstruct window view.
- 3. Prevailing winds could cause freezing of condensate and water/ice buildupon vent termination, building, plants or roof. Ice buildup on vent termination can cause boiler shutdown and building freezeup.
- 4. Winds over 31 mph can cause muisance boiler shutdown if boiler is sidewall vented. This could result in loss of heat to building, causing freezeup.
- 5. Locate **ox** guard vent termination to prevent condensate *from* damaging **exterior surfaces**.
- Locate the vent termination well away from trees, shrubs, and decorative items.
- Locate or guard vent to prevent accidental contact by people or pets.
- Do not terminate vent in window well, stairwell, alcove, courtyard, or other recessed areas.
- 9, **Do** not wrap **\alpha** insulate vent pipe or **fittings.**
- 10. Do not terminate vent above any door or window. Condensate can freeze, causing ice formations.
- 11. Do not connect:
 - · Any other appliance to vent pipe.
 - Multiple boilers to a common vent pipe.

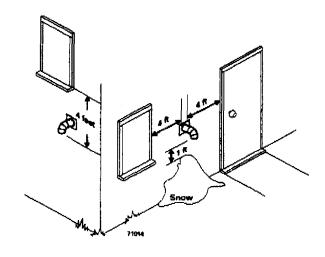
- 12. Canadian installations See B149.1 or B149.2 Installation Code. Terminate vent no less than 6 feet from another combustion air inlet, 3 feet from any other building opening, and 3 feet from any gas service regulator.
- 13. See Figure 12, showing that the vent must terminate:
 - more than 4 feet below or to side of all doors or windows.
 - more than 1 foot above grade or anticipated snow line.
 - at least 7 feet above public walkway.
 - 3 feet above any forced air intake within 10 feet.
- 14. Vent must also terminate;
 - at least 6 feet away from adjacent walls.
 - no closer than 5 feet below roof overhang.
 - at least 4 feet horizontally (and in no case above or below unless a 4 foot horizontal distance is maintained) from electric meters, gas meters, regulators, relief valves, and other equipment.
- 15. Site conditions may dictate greater clearances.
- Do not extend exposed vent pipe outside of building. Condensatecould freeze and Mock vent pipe.

WARNING

A gas vent extending through an exterior wall shall not terminate adjacent to the wall or below building extensions such as eaves, parapets, balconies or decks. Failure to comply could result in severe personal injury, death or substantial property damage.

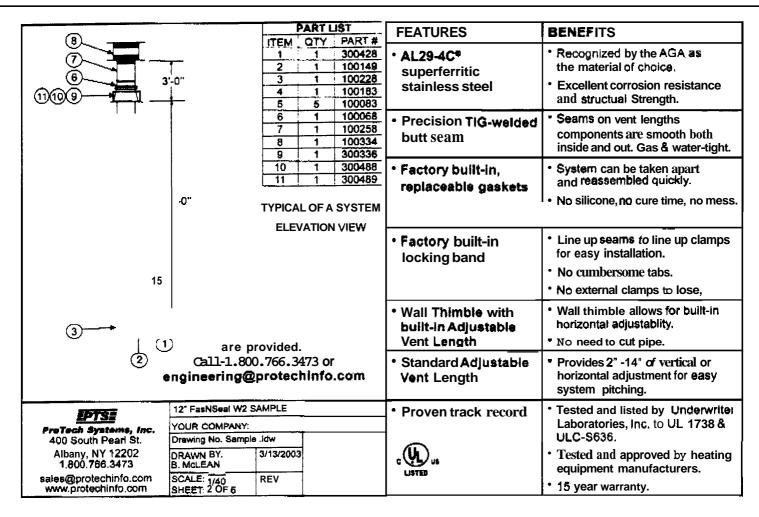
Figure 12 Vent termination minimum clearances





FasNSeal® Special Gas Vent

The First SILICONE FREE Vent System for Category II, III, & IV Heating Appliances



FasNSeal® is a Heating Contractor's Dream Come True Simply slide FasNSeal® parts together, tighten their FasClamps and fire up the appliance immediately, You get a clean and professionaljob that is done NOW!



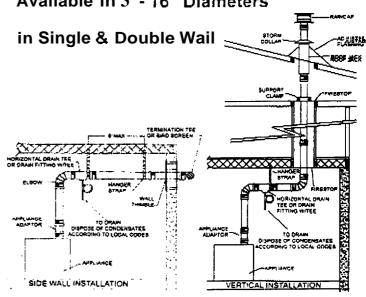
PROTECH SYSTEMS, INC. LEADERS IN VENTING TECHNOLOGY

400 South Pearl • Albany, NY 12202 518.463.7284 • Fax: 518.463.5271

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sales@protechinfa.com · www.protechinfo.com

Available in 3"- 16" Diameters



No.1183 (rev. 6/2003)

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FasNSeal

Material Selection and Experience Counts

FasNSeal® is manufactured from AL29-4C®, a superferritic stainless steel designed for extreme resistance to chloride ion pitting, Crevice corrosion and stress corrosion cracking. as well as general corrosion in oxidizing and moderately reducing environments. AL29-4C° is an ideal choice for resisting deleterious effects of corrosive condensates created by partially or fully condensing natural gas and propane fired

	CLE	ARANCE TO C	OMBUS	TIBLES	3
Max Five Gas Temperature		Enclosed		Unenclosed	
		Hor	Vert	Мог	Vert
3"	379 F 188 C	Sides. 5" / 203.2mm Top: 12" / 304.8mm	4" 101.6mm	1" 25.4mm	1" 25.4mm
4"	550 F 288 C	Bottom: 4°/ 101.5mm	4" 101,8mm	3" 76.2mm	3" 76.2mm
5"	370 F 188 C	Noncombustible		3" 76.2mm	76.2mm
16"	550 F 288 C	enclosure		3" 76,2mm	3" 78,2mm

heating appliances. The Canadian Gas Research Institute found that test results proved AL29-4C® to be one of two "most corrosion resistant allays of twenty candidate stainless steels evaluated for resistance to chloride-

OF BUILDING INSPECTION

induced corrosion in condensing and partially condensing gas-fired appliances". AL29-4C⁶ is parented and manufactured by Allegheny Ludium Carp,

FasNSeal® has been tasted and is listed by Underwriters Laboratories, Inc. to UL 1738 and ULC-S636-95.

ProTech Systems' own experience with AL29-4C® dates back to 1986, when VENTINQXWG for gas appliances was introduced as the first chimney lining system

MATERIAL THICKNESS AL29-4C®		
3"-7"(78.2mm-177.8mm)	.016" (.4mm)	
8"-12" (203.2mm-304.8mm)	.019" (.5mm)	
14"-16" (355.6mm-406.4mm) .024" (.6mm)	

made from this alloy. VENTINOX® provides safe venting in thousands of American homes today and features a lifetime warranty.







FasNSeal® Applications

Fas NSeal® is a Special Gas Vent and Gas Vent Connector, made from AL29-4C* stainless steel and designed fur use on natural gas or propane-fired appliances listed as Category II, III and IV or in Canada Type BH Gas Vent Systems having a maximum flue gas temperature of 550 degrees F and maximum positive pressure of 15" water column,

FasNSeal® provides horizontal or vortical venting for high efficiency gas boilers, furnaces, booster heaters, pool heaters, water heaters, unit heaters or tankless water heaters, FasNSear may also be used as a vent for Category I, natural gas or propane-fired heaters.

FasNSeal® must be sired according to the heating appliance manufacturers instructions, NFPA 211, NFPA 54 and any other relevant local building codes and regulations (see installation instructions for details!).

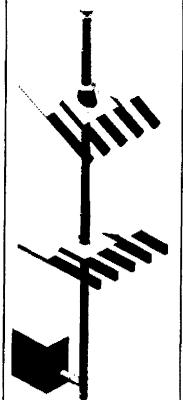
PROTECH SYSTEMS, INC.

Since 1981, Profech Systems, inc. (PTS) has developed and delivered innovative vent products to the American Market PTS has long been recounized as a leader in the Hearth Market and with the introduction of FasNSeal to the HVAC industry, has established yet another benchmark

VENTINOX was the tirst Channey Lining System in the U.S. to carn the listing by Underwriters Laboratories in 1982. Utilizing a unique welding technique, VENTINOX still today and has established a tong and imprecable track record

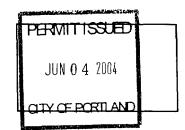
PTS started producing the first AL29-4C in 1986 and bas gamed imprecedented masufacturing experience with this

Our know how was reversiged to build FasNSeal the test quaketed and nott-welded vent that was seferand found or casy projecteral a profession on oragic FasNScally has become the milarket lessoner and standard for





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 & Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 46 tyale It Polland	Use of Building Mngle Date 5-2-04
Name and address of owner of appliance Chris BMLL	MRD
46 ydle st	
Installer's name and address PortLpn()	30 BOLLON ST
- PORTLANI)	Telephone <i>P3/1-/8/1</i>
Location of appliance:	Type of Chimney:
Basement Floor	Masonry Lined.
☐ Attic ☐ Roof	Factory built
Type of Fuel Matural	☐ Metal
Type of Fuel. Natural	Factory Built U.L. Listing #
· / b· /	,
Appliance Name: Wel Mclain	Direct Vent
U.L. Approved Yes No	Type UL#
Will appliance be installed in accordance with the manufacture's	Type of Fuel Tank
installation instructions? Z Yes	☐ Oil
	₽ Gas
IF NO Explain:	
	Size of Tank
The Type of License of Installer:	Number of Tanks
☐ Master Plumber # 2737	
☐ Solid Fuel #	Distance from Tank to Center of Flame feet.
Oil #	Cost of Work: \$ 3500 200
Gas#	(F)
Other	Permit Fee: \$ 57 60
<u>Approved</u>	Approved with Conditions
Fire:	See attached letter or requirement
Ele.:	1
Bldg.:) —
	Inspector's Signature Date Approved
Signature of Installer	alkan
White Inspection Yellow - File P	ink - Applicant's Gold - Assessor's Copy



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED	
JUN 0 4 2004	
CITY OF PORTLAND	

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 46 Grate St Porland	Use of Building Mngle Date 5-2-09
Name and address of owner of appliance	LARD
Installer's name and address	30 BOLTON S.T Telephone \$31-1818
Location of appliance: Basement Roof	Type of Chimney: Masonry Lined Factory built
Type of Fuel: Natural Oil Solid	☐ Metal Factory Built U.L. Listing #
Appliance Name: West Mc Cain U.L. Approved Yes No	Direct Vent Type UL#
Will appliance be installed in accordance with the manufacture's installation instructions? Yes \(\sigma\) No IF NO Explain:	Type of Fuel Tank □ Oil □ Gas
The Type of License of Installer:	Size of Tank
□ Master Plumber # 2 7 3 / □ Solid Fuel # □ □ Oil # □ □ Gas#	Distance from Tank to Center of Flame feet. Cost of Work: \$
Approved Fire: Ele.:	Approved with Conditions See attached letter or requirement
Bldg.: Signature of Installer Ann 977	Inspector's Signature Date Approved
White It spection Yellow - File I	Pink - Applicant's Gold - Assessor's Copy