City of Portland, N	1aine - Buil	ding or Use	Permi	t Applicatio	n Pe	rmit No:	Issue Date	:: ,	CBL:	
389 Congress Street,	04101 Tel: (2	207) 874-870 3	, Fax:	(207) 874-87	6	08-1482	11/20	108	143 BG	10001
Location of Construction: Owner Name:						Owner Address:			Phone:	
219 WALTON ST CRADOCK J			JAMES E & ELIZABE			WALTON S	T		207-856-1000	
Business Name:		Contractor Name	 :		Contr	actor Address:			Phone	
		Frost N Flame	;		629	Main St. Gor	ham		2078567	000
Lessee/Buyer's Name Phone:		Phone:			Permi	it Type:			<u></u>	Zone:
					HV	AC				
Past Use:		Proposed Use:			Permit Fee: Cost of Wo			CEO District:		
l -		1 -	y Home - Install Jotul			\$50.00		14.00 4		
single I unity 110me			ct Vent Gas Heater		FIRE DEPT:		INSPE	NSPECTION:		
							Approved	Use Gr	roup: R-3	Type: 5
					1		Denied	1	- 5C - 5	7 -
		1						1	TWG-	200
Proposed Project Description	on:				┥				_	
Install Jotul GF 100, D		Heater			Signature: Sig			Signatu		
mount out of 100, 2		110000								
		,			[
					Actio	n: Appro	ved Ap	proved w	/Conditions	Denied
					Signa	iture:			Date:	
Permit Taken By:	Date Ap	oplied For:	·		1		Approva			
lmd	1 -	/2008				Zoning	Approv	aı		
1. This permit application			Spe	cial Zone or Revi	ews	Zoni	ng Appeal		Historic Pre	servation
1. This permit application Applicant(s) from			Shoreland						Not in District or Landma	
Federal Rules.	meeting applie	acie state una				Variance			Not in District of Landina	
		11. 1	Ì ┌ फ	atland	Missallamagus				Does Not Require Review	
2. Building permits do not include plumbing,		olumbing,	Wetland		Miscellaneous				Does Not Require Review	
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			☐ Flood Zone ☐ Subdivision			Conditional Use			Requires Review	
					Interpretation			Approved		
permit and stop all	•	vg	30	ibaivisioii			iation		Approved	
•			₆ ;	te Plan		A nnrow	nd.	Ì	Approved w	/Conditions
			🗆 31	te Pian		Approve	ea	}	Approved w.	Conditions
			Moi	□ Minor □ MN		Danied			Danied	
F	William Francisco	To go a service	Maj	Minor MM	L	Denied			Denied	
	Chall 18.) ATTA		111doc 1	,	_		1_	0	
		7	Date: L	414000		Date:		D	ate:	
1 1	NOV 2 0 .			• •						
	<u>. </u>	1 1								
CITY	1000									
LOIT		7/37								
			,		ON					
71 1 20 1 7		1 6.1		CERTIFICATI					•	
I hereby certify that I an I have been authorized b										
jurisdiction. In addition										
shall have the authority										
such permit.			1				P-01		··(-) % P	1 10
OLONIA TUDE OR STREET						 				
SIGNATURE OF APPLICAN	NI			ADDRES	S		DATE		PHC	ONE
RESPONSIBLE PERSON IN	CHARGE OF W	ORK, TITLE					DATE		PHC)NE



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

	-
	1
	- 1
	- 1
	1

1438,010

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

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	Use of Building Date					
Location / CBL Name and address of owner of appliance TAMES CIR	A DOK 219 WALTONST					
PORTLAND ME. 04103						
Installer's name and address $FROST + FLAMZ$	= 621 MAILST GORHAM					
$\frac{PORTLAND}{PORTLAND} \qquad PE = 04103$ Installer's name and address $\frac{FR057}{POS} + \frac{FLAMD}{POS}$						
Location of appliance:	Type of Chimney:					
☐ Basement ☐ Floor	Masonry Lined					
☐ Attic ☐ Roof	Factory built					
Type of Fuel:	☐ Metal					
☐ Gas ☐ Oil ☐ Solid	Factory Built U.L. Listing #					
Appliance Name: Jotul GF 100	Direct Vent					
U.L. Approved Pres No	Type UL#					
Will appliance be installed in accordance with the manufacture's	Type of Fuel Tank					
installation instructions? Yes	Oil					
	Gas					
IF NO Explain:	100 501					
	Size of Tank 100 GPL					
The Type of License of Installer:	Number of Tanks/					
Master Plumber #	Number of Tanks					
☐ Solid Fuel #	Distance from Tank to Center of Flame feet.					
□ Oil #	Distance from Tank to Center of Flame rect.					
Or Gas # PN + 5555	Cost of Work: \$					
Other	Permit Fee: \$					
Approved	Approved with Conditions					
Fire:	See attached letter or requirement					
Ele.:	MI IN I					
Rldo ·	11/20/08					
Signature of Installer	Inspector's Signature Date Approved					
Signature of Installer						

856-1000 856-7000 896-3		893-287		DATE OF ORDER	KENBY	1
Fax 856-1164		9.	1	CONTRACTOR	110	
www.frostandflame.com www.sebagolakepools.com						
TO: TAMES CRHDOCK 1			- 1	PHONE # FAX #		
219 WHLTON ST. Town: Pa	1	400	_ [MAILING ADDRESS OR E-MAIL	115	<u>, </u>
State: Zip Code: D c	1		_	100		2
Directions: DRIGHTON HUE.	To	STEVE	-	s AVE., (L) onto	Stev	COS
PAST. ST. JOSEPH'S, (R)						
				, , , , , , , , , , , , , , , , , , , ,		(
OV. TUSTERIALS (TOS)	elale.	ariona	ijį	of realisation in the West	मा जिल्ला है।	રાણ
(1) JOTUL GF 100	3	1.459	00	Tron"		
DV 11 NORDIC AT		/				010
GAS STOVE - BLACK					- 1	1/20
#350820		1041				180
5% DISCOUNT	\$	1386	05	11105 Thomas	Top	000
10 150 15 5151	jus	(-7	000	7112	1	Hinei
#K 6096	ķ	1/	00	Proper Down How Floure	nev-	to Jank
# 15 8076				GASTURE TUSTION AND A		NOTE TO
				COST OF ANY PROPANE NOT INCLUDED	And Late South	all the line of all the lines.
				* COSTONER WILL I	ist=	
1 2000 to 10000				NORTHERN MITLITI		
10002				ENT THOKE S LINES	5	
(100)				Set Jackt GASTINEN		225 0
				run lines GASLI	NE TABOR	त्रपूर ^व
				REGULATOR & GAS TANK PROPERTY OF WEBBER	TOTAL PROPERTY A	The Land Land
MATERIALS TO VENT	Cap.	395	00	Section Control of the Control of th	3	205 00
	7	312	00	INSTALL & VEAT		575 00
STEHIGHT OUT, (REAR)				UNIT		*
				COST OF PERMIT IF RE	QUIRED	
	*	1,798	U.S	SHIPPIN	G COST	
TOTAL MATERIALS				JOE	LABOR	395 01
20% Restocking Fee for ANY returned or ca	incelled	materials!	!	MÁ7	TERIALS	1799 0
I, the customer, have read the back of this	1		s	MATERIALS FOR G	AS LINE	22501
& conditions of sale, and have signed Work ordered by	the bac	k page.		Thank GAS LINE	LABOR	2450
Signature A C C			:	You # 89.4	90 TAX	101, 15
hereby acknowledge the satisfactory completion of the about	,	work			TOTAL	278475
A NY PERMITS REQUIRED ARE CUSTOMER'S RESPONSIBILITY 50% DEPOSIT TO ORDER: 1.141.47 (PAID (.C.)					<u>-1,141 4'</u>	
BALANCE DUE					1,6227	
ESTIMATE GOOD FOR DAYS						
ESTIIV		A GOD F	UN	DAIS		(70)
Circle One: (Customer Required to Sign Back of Contract)						





Jøtul GF 100 DV Nordic QT Direct Vent Gas Heater

Installation and Operation Instructions



WARNING:

IF THE INFORMATION IN THESE INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

FOR YOUR SAFETY:

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

INSTALLATION:

INSTALLATION AND SERVICE MUST BE PER-FORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR LICENSED GAS SUPPLIER.

WHAT TO DO IF YOU SMELL GAS:

- DO NOT TRY TO LIGHT ANY APPLIANCE.
- DO NOT TOUCH ANY ELECTRICAL SWITCHES.
- DO NOT USE THE PHONE IN YOUR BUILDING. IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE.
- FOLLOW YOUR GAS SUPPLIER'S INSTRUCTIONS.
- IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.

AVERTISSEMENT:

ASSUREZ-VOUS DE BIEN SUIVRE LES INSTRUCTIONS DANS CETTE NOTICE POUR REDUIRE AU MINIMUM LE RISQUE D'INCENDIE OU POUR EVITER TOUT DOMMAGE MATERIEL, TOUTE BLESSURE OU MORTALIT'E.

NE PAS ENTREPOSER NI UTILISER D'ESSENCE NI OU LIQUIDES INFLAMMABLES DANS LE VOISINAGE DE CET APPAREIL OU DE TOUT AUTRE APPAREIL

L'INSTALLATION LE SERVICE DOIVENT ETRE EXECUTES PAR UN INSTALLATEUR QUALIFIE, AGENCE DE SERVICE OU LE FOURNISSEUR DE GAZ.

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ.

- NE PAS TENTER D'ALLUMER L'APPAREIL
- NE TOUCHEZ A AUCUM NTERRUPTEUR.
- NE PAS VOUS SERVIR DES TELEPHONES SE TROUVANT DANS LE BATIMENT OU VOUS VOUS TROUVEZ.
- APPELEZ IMMEDIATEMENT VOTRE FOURNISSEUR DE GAZ CHEZ UN VOISIN. SUIVEZ LES INSTRUCTIONS DU FOURNISSEUR.
- SI VOUS NE POUVEZ REJOINDRE LE FOURNISSEUR DE GAZ, APPELEZ LE SERVICE DES INCENDIES.

Jøtul GF100 DV Nordic QT Specifications

Input Rates

Natural Gas

14,500 BTU/hr. maximum input 10,600 BTU/hr. minimum input

Propane

14,000 BTU/hr. maximum input 10,900 BTU/hr. minimum input

Inlet Pressure:

MIN

MAX

Natural Gas: 5.0 WC (1.24 kPa) Propane: 11.0 WC (2.74 kPa) 7.0 WC (1.74 kPa) 13.0 WC (3.23 kPa)

Manifold Pressure: MIN

MAX

Natural Gas: 2.2 WC (.55 kPa) Propane: 6.5 WC (1.59 kPa) 3.5 WC (.85 kPa) 10.0 WC (2.49 kPa)

Efficiency: 83%

Steady State (A.F.U.E.): 72.7% Piezo Ignitor / Standing Pilot

Weight: 150 lbs.

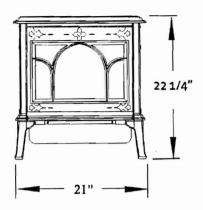
GF100 DV Nordic QT Accessories

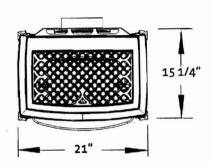
•	Fuel Conversion Kit - NG	154386
•	High Altitude Conversion Kit - LP	154387
٠	Wall Thermostat	750003
•	Remote Control	129706
٠	Floor Bracket Kit	154388

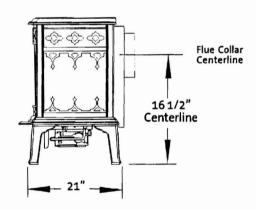
Hardware Bag Contents

•	Fuel Conversion Kit - LP 154379
•	Exhaust Restrictor Plate 12934492
•	Wall Shield 12948792
•	Ember Bag , 6 oz 129123
•	#8 x 1/2" Sheet metal screws, (4) 117917

THIS FIREPLACE IS SHIPPED FROM THE FACTORY FOR USE WITH NATURAL GAS ONLY. IF USE WITH PROPANE IS DESIRED, THE APPLIANCE MUST FIRST BE CONVERTED USING THE FUEL CONVERSION KIT PROVIDED, #154379. CONVERSION SHOULD BE MADE BEFORE THE APPLIANCE IS INSTALLED.







Safety Information

During normal operation, this appliance will reach high surface temperatures. Be sure that anyone using this stove is familiar with the following safe practice guidelines.

- Due to the high operating temperatures, this appliance should be located out of traffic areas and away from furniture and draperies.
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns and/or clothing ignition.
- Young children should be supervised while they are in the same room as the Nordic QT gas stove.
- Clothing or other flammable materials should not be placed ON or NEAR the Nordic QT gas stove. Surveiller les enfants. Garder les vetements, les meubles, l'essence ou autres liquides a vapeur inflammables loin de l'appareil.
- NEVER store or use gasoline or any other flammable vapors or liquids in the vicinity of the Nordic QT gas stove.
- Never burn any other materials in your Nordic QT gas stove, it is strictly designed for use with natural gas or propane fuel <u>ONLY</u>.
- Any safety screen, glass or guard removed for servicing the appliance must be replaced prior to operating the appliance.

Location

In selecting a location for the stove, consider the following points:

- 1) Heat distribution
- 2) Vent termination requirements
- 3) Gas supply line routing
- 4) Traffic areas, furniture, draperies, etc.

The GF100 Nordic QT may be located on or near conventional construction materials, however, proper clearance to combustibles must be maintained in order to provide adequate air circulation around the appliance. Also, it is important to provide adequate access around the stove for servicing and proper operation.

The clearance and hearth specifications listed in this manual are the minimum requirements for combustible material. A combustible material is anything that can burn (i.e. sheet rock, wall paper, wood, fabrics etc.). These materials are not limited to those that are visible and also include materials that are behind non-combustibles.

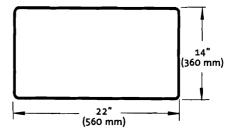
If you are not sure of the combustible nature of a material, consult your local fire officials. Remember, "Fire Resistant" materials are considered combustible: they are difficult to ignite, but will burn. Also, "fire-rated" sheet rock is considered combustible.

Hearth Requirements

The GF100 Nordic QT gas stove CANNOT be installed directly on carpeting, vinyl, linoleum or Pergo¹.

If this appliance is to be installed on any combustible material OTHER THAN WOOD, a floor pad must be installed that is either metal or wood, or a listed hearth pad may be used. This floor protection must extend the full width and depth of the appliance. It is not necessary to remove the carpeting, vinyl or linoleum from underneath the floor protection. See Figure 1.

Figure 1. Minimum Hearth Protection.



Stove and Vent Clearance Requirements

Minimum Clearances from the Stove to Combustibles: See

Figs. 2-4.

Rear:

0" (0 mm)

Ceiling:

25" (635 mm)

Corner: Right Side:

2" (50 mm) 3" (76 mm)

Left Side:

10" (254 mm) - for access to Lighting Instruction plate

Minimum Clearances from the Vent Pipe to Combustibles:

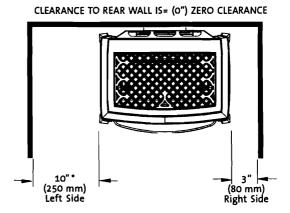
Horizontal Run:

Off the top of the pipe 2" (50 mm)
Off the sides and bottom 1" (25 mm)

Vertical Run:

All sides

1" (25 mm)



 Allow 10" on left side of the appliance for complete access to the lighting instructions and control valve.

Figure 3. Parallel Installation Clearances.

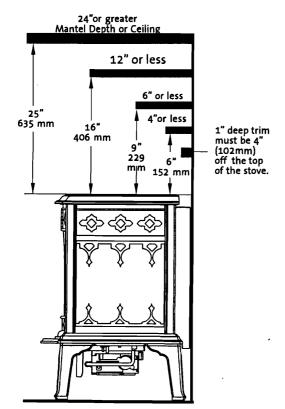


Figure 2. Mantel and Trim Clearance specifications.

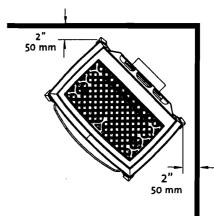


Figure 4. Corner Clearances.

Alcove Installation

Maximum Alcove Depth: 24" (610 mm)
Minimum Alcove Width: 34" (864 mm)
Minimum Ceiling Height: 47" (1094 mm)

Horizontal Termination

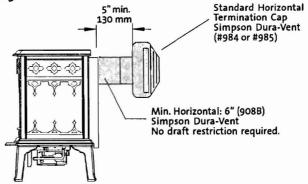
■ Wall Cut-out Opening: A minimum 10" X 10" (250 mm x 250 mm) hole is required for proper pipe clearances through a combustible wall. Use Simpson Dura-Vent WALL THIMBLE #942 for the wall penetration.

DO NOT FILL AIR SPACE WITH ANY TYPE OF INSULATION.

- The minimum horizontal run made directly off the rear of the stove into a standard horizontal cap (#984, #985) shall be no less than a 6" section of Simpson Dura-Vent. See Figure 6.
- The maximum horizontal run made directly off the rear of the stove into a standard horizontal cap (#984 or #985) must include no more than a 12" and 6" section of Simpson Dura-Vent pipe installed together. See Fig.7.
- The maximum horizontal run made directly off the rear of the stove into a 14" snorkel cap (#982) must include no more than a 24" section of Simpson Dura-Vent (#904). See Fig. 8.
- The Exhaust Restrictor Plate, included with the stove, must be installed when a Snorkel Termination Cap is used.
- The horizontal termination cap must maintain a 3" clearance to any overhead combustible projections 2 1/2" or less. It must also maintain 12" clearance from projections exceeding 2 1/2". See Fig. 12.
- Any horizontal run of vent must be level or have a 1/4" rise for every foot of run toward the termination cap. NEVER ALLOW THE VENTING TO RUN DOWNWARD FROM STOVE TO TERMINATION; DOWNWARD VENT RUNS TRAP HEAT AND CAUSE HIGH TEMPERATURES TO DEVELOP WITHIN THE VENT THAT COULD START A FIRE.
- Install a Vinyl Siding Standoff (Simpson Dura-Vent #950) between the vent termination and an exterior wall covered by vinyl siding material to prevent potential heat damage to the siding.
- Do not recess the termination cap into a wall or siding.

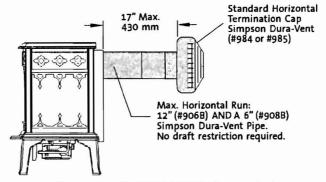
Options for horizontal venting directly off the rear of the stove

Figure 6. Minimum Horizontal Run - Standard Termination.



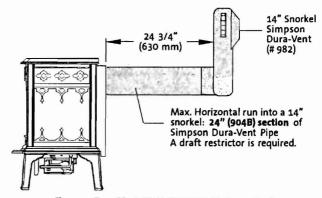
Simpson Dura-Vent WALL THIMBLE #942 required.

Figure 7. Maximum Horizontal Run - Standard Termination.



Simpson Dura-Vent WALL THIMBLE #942 required.

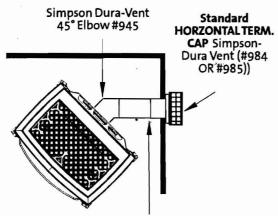
Figure 8. Maximum Horizontal Run with Snorkel Termination.



Simpson Dura-Vent WALL THIMBLE #942 required. Jøtul Exhaust Restricto Plate 12934492 is required.

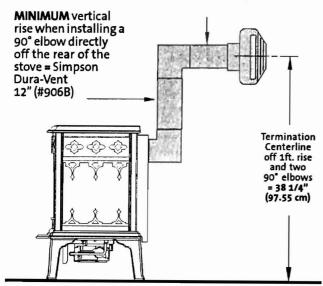
Figure 9.

CORNER INSTALLATION



Max. Horizontal Run into a STANDARD HORIZONTAL CAP (#984 or #985): 45° elbow + 9" + 6" section s Simpson Dura-Vent pipe, (totalling 17" horizontal).

MINIMUM horizontal when installing the stove with a 1ft. vertical directly off the rear of the stove: 12" (#906B)



Simpson Dura-Vent WALL THIMBLE #942 required in all installations passing through combustible wall.

Figure 10. A vertical run in a horizontally-terminated installation must rise a minimum of 1 ft. The horizontal run must be a minimum of 1 ft.

Wall Shield Installation

The decorative Wall Shield, included with the Nordic QT, is used to cover the vent hole in the wall in installations vented directly off the rear of the stove. Follow this procedure:

- 1. Remove the top two 1/4" hex head screws from the rear shroud of the stove.
- 2. Align the holes in the wall shield with the holes in the rear shroud.
- 3. Secure the wall shield to the stove with the two 1/4" hex head screws. See Fig. 11.

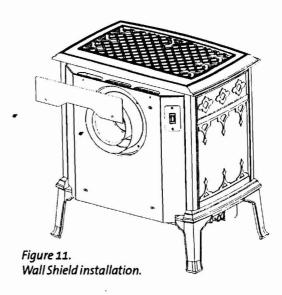
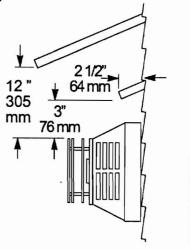


Figure 12. Termination Clearance to overhangs



Horizontal Termination Clearance

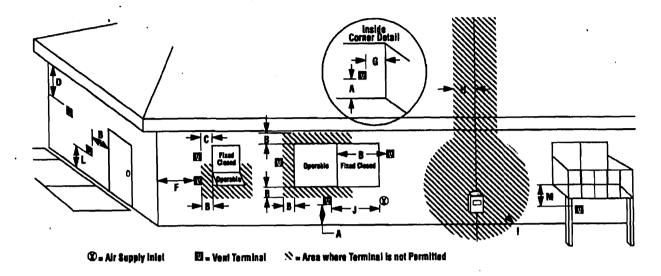


Figure 13. Vent Terminal Clearances - National Fuel Gas Code.

- A = Clearance above grade, veranda, porch, deck, or balcony:
 •12 inches (30 cm) minimum.
- B = Clearance to window or door that may be opened: 12 inches (30 cm) minimum
- C = Clearance to permanently closed window: mimimum 12 inches (30 cm) recommended to prevent condensation on the window.
- D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the centerline of the terminal: 18 inches (46 cm) minimum.
- E = Clearance to unventilated soffit: 12 inches (46 cm) minimum.
- F = Clearance to outside corner: 12 inches (30 cm) min.
- G = Clearance to inside corner: 12 inches (30 cm) min.

- H = *Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally from the center-line of the regulator.
- I = Clearance to service regulator vent outlet: 6 feet (1.8 m) minimum.
- J = Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance: *12 inches (30 cm) minimum.
- K = Clearance to a mechanical air supply inlet: *6 feet (1.8 m) minimum.
- L = ** Clearance above paved sidewalk or a paved driveway located on public property: *7 feet (2.1 m) min.
- M = Clearance under veranda, porch, deck, or balcony: *12 inches (30 cm) minimum. 1
- As specified in CGA B149 Installation Codes. Note: Local Codes and Regulations may require different clearances.
- ** A vent shall not terminate directly above a sidewalk or driveway which is located between two single family dwellings and serves both dwellings.*
- Only permitted if veranda, porch, deck, or balcony, is fully open on a minimum of two sides beneath the floor.*

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

X Final inspection required at completion of work.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Date

Signature of Applicant/Designee

Date

CBL: 143 B010001 **Building Permit #:** 08-1482

Permit No: CBL: Date Applied For: City of Portland, Maine - Building or Use Permit 08-1482 11/21/2008 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716 143 B010001 **Location of Construction:** Owner Name: Owner Address: Phone: 219 WALTON ST CRADOCK JAMES E & ELIZABE 219 WALTON ST 207-856-1000 **Business Name:** Contractor Name: Contractor Address: Phone Frost N Flame 629 Main St. Gorham (207) 856-7000 Permit Type: Lessee/Buyer's Name Phone: **HVAC Proposed Project Description:** Proposed Use: Single Family Home - Install Jotul GF 100, Direct Vent Gas Heater Install Jotul GF 100, Direct Vent Gas Heater 11/20/2008 Dept: Zoning Status: Approved Reviewer: Chris Hanson Approval Date: Ok to Issue: Note: 11/20/2008 Dept: Building Status: Approved with Conditions Reviewer: Chris Hanson **Approval Date:**

- 1) This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing
- 2) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.
- 3) The appliance shall be installed in accordance with the IMC 2003 and NFPA 211
- 4) The installation must comply with the State of Maine Gas Regulations.

Note:

5) Separate permits are required for any electrical, plumbing, HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Ok to Issue: