

**City of Portland, Maine - Building or Use Permit Application**

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

**PERMIT ISSUED**

Permit No: 06-0008	Issue Date: 12/28/2005 JAN 13 2006	CBL: 261 D005001
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Location of Construction: 152 ROWE AVE	Owner Name: SMITH DAVID R & JACQUELYN	Owner Address: 152 ROWE AVE	Phone: 
Business Name:	Contractor Name: Frost N Flame	Contractor Address: 629 Main St. Gorham	Phone: 2078567000
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-3

Past Use: Single Family	Proposed Use: Single Family install a Jotul Arcadia direct vent 100 gal tank	Permit Fee: \$57.00	Cost of Work: \$3,795.12	CEO District: 3
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Proposed Project Description: install a Jotul Arcadia direct vent 100 gal tank	FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied Signature: <i>N/A</i>	INSPECTION: Use Group: <i>R/U</i> Type: <i>HVAC</i> <i>State Gas Regs</i> Signature: <i>[Signature]</i>
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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: dmartin	Date Applied For: 12/28/2005	<b>Zoning Approval</b>	
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<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>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..</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	<b>Zoning Appeal</b> <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	<b>Historic Preservation</b> <input 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: _____	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

**FROST N' FLAME**

829 Main St.  
Gorham, ME 04038  
856-1000 856-7000  
Fax 856-1164

889 Roosevelt Trail  
N. Windham, ME 04062  
893-3483 893-2876

874-9882

HM. PHONE	WK PHONE
CELL PHONE	ORDER TAKEN BY
DATE OF ORDER 10/28/05	Windham T/M
CONTRACTOR	
PHONE #	FAX #
MAILING ADDRESS	

To David B Smith  
152 Rowe Ave Town: Portland  
State: Maine Zip Code: 04102

Directions: From Gorham -> Rte 25  
Main Street Westbrook -> Past Forest City -> By Rite - did take  
Right onto Rowe Ave -> 2 houses from the end Ranch on left

529/229  
D/S

① Total Acadia Matchlock Reg 2249.00	Sale 1979.00	
① Blower K. # 154967	245.00	
① Brick Kit # 154961	165.00	
Need 8" Direct Vent Pipe		
① Installation Mat # 154961	159.00	
Need 450' down of top to start venting		
Copper Venting out thru wall		
TOTAL MATERIALS:	2848.00	

Customer Responsible  
For electrical lead to  
Unit 100  
place gallon  
tank  
New Room

COST OF ANY PROPANE NOT INCLUDED  
10-35 Gasline  
Install  
GAS LINE MATERIALS 195.00  
GAS LINE LABOR 200.00  
REGULATOR & GAS TANK PROPERTY OF WEBBER ENERGY

Up vent install	425.00
PERMIT FEE IF REQUIRED	
ADDITIONAL SHIPPING COST	
JOB LABOR	425.00
MATERIALS	2848.00
MATERIALS FOR GAS LINE	195.00
GAS LINE LABOR	200.00
TAX	152.12
TOTAL	3820.12
SITE INSPECTION	- 20.00
BALANCE DUE	3795.12
	- 3000.00
	795.12

20% Restocking Fee for ANY returned or cancelled materials!  
I, the customer, have read the back of contract for terms & conditions of sale, and has signed back page  
Work ordered by \_\_\_\_\_  
Signature D.B. Smith  
I hereby acknowledge the satisfactory completion of the above described work.  
ANY PERMITS REQUIRED ARE CUSTOMER'S RESPONSIBILITY  
50% DEPOSIT TO ORDER: 3,000.00 Pd on check  
BALANCE DUE UPON INSTALLATION: 795.12  
Circle One:  
MC / Visa / Disc.  
CREDIT CARD # \_\_\_\_\_ EXP. DATE \_\_\_\_\_

Thank You  
paid cash  
Blk  
116955

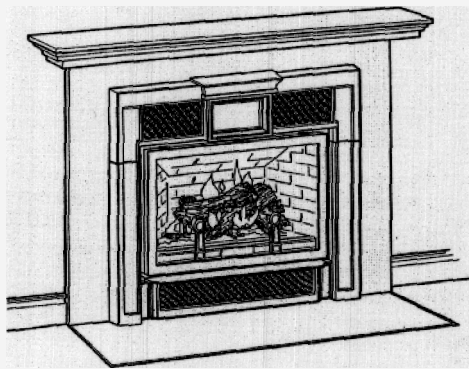
ANY INSTALLATION DATE GIVEN MAY VARY DEPENDING ON WEATHER PRODUCT



**Jøtul GZ 550 DV**

**Acadia**

**Direct Vent Gas  
Fireplace**



**Installation  
and  
Operation  
Instructions**

Warnock Hersey



**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 PERFORMED 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 MORTALITE.**

**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 AUCUN INTERRUPTEUR.**
- **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.**

figure 1. Cabinet Dimensions.

Header Standoff Height: 36 1/2"

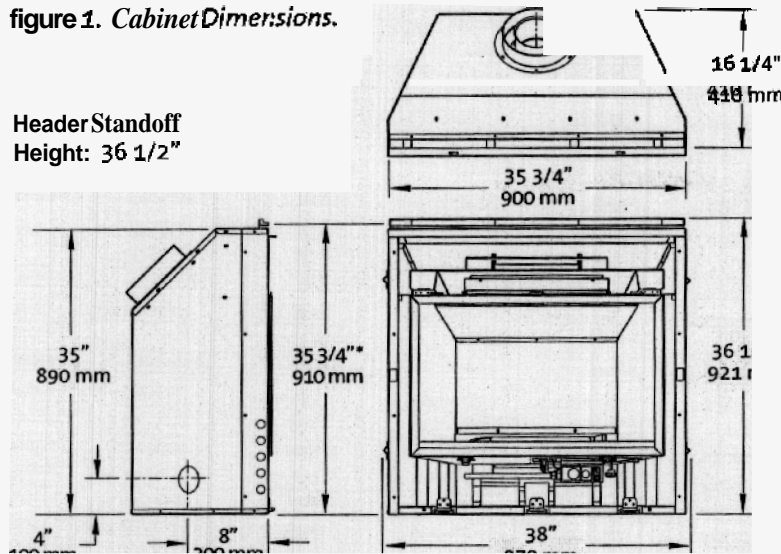
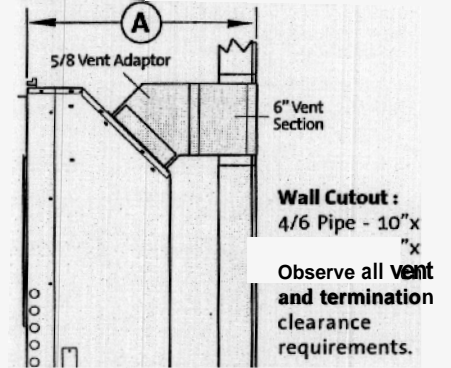


Figure 2. Minimum horizontal vent allowance through wall.

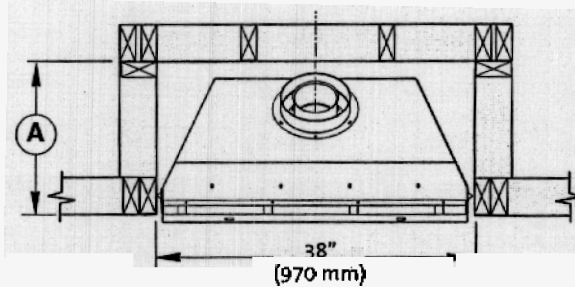


Security Vent:

A = 25 1/4" (645mm)  
Security Termination has no slip adjustability.

Simpson DuraVent and Amerivent.

A = 25 3/4" (660mm)



Horizontal Vent: Minimum depth accommodates the length of Vent Adaptor and one 6" vent section through wall construction.

Vent Adaptor: 5/8  
A = 21 3/4"

Vertical Vent: Minimum depth includes 1 inch clearance between Vent Adaptor and combustible wall construction.

Vent Adaptor: 5/8 4/6  
A = 21 1/2" 20"

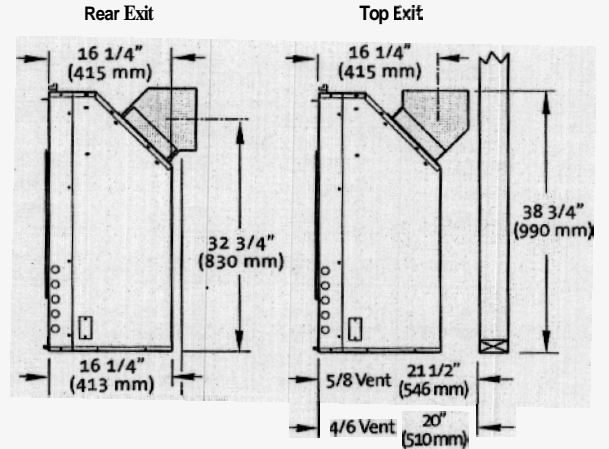


Figure 4. Vent Adaptor orientation.

Figure 3. Depth requirement to rear wall.

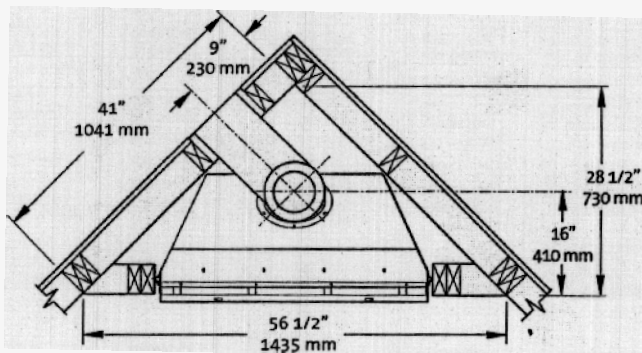


Figure 5. Corner framing dimensions.

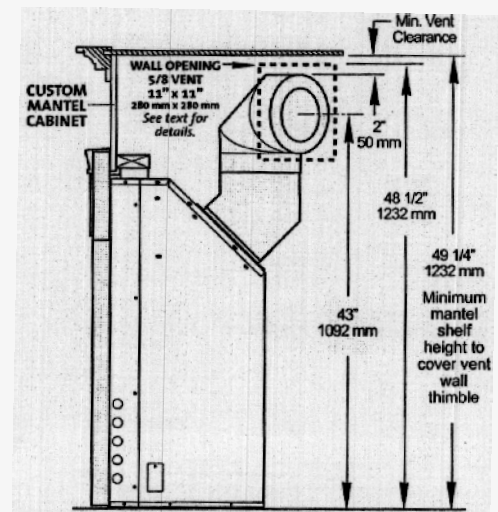


Figure 5a. Corner Installation - 5/8 vent, rear termination.

## Hearth Protection

The GZ550 Acadia is approved for installation without hearth protection. Combustible materials may be used on the floor directly in front of the fireplace.

## Facing and Clearance Requirements

The following clearance and hearth specifications are the minimum requirements for the GZ550 Acadia gas fireplace. Measure clearances from the steel fireplace cabinet - not the cast iron surround panels. See Figures 6 - 8.

A combustible surface is anything that can burn (i.e. sheet rock, wallpaper, wood, fabrics etc.). These surfaces 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. "Fire Resistant" materials are considered combustible - they are not to ignite, but will burn. "Fire-rated" sheet rock is also considered combustible.

Maintain the proper clearances to the appliance to allow adequate flow of ventilation air around the fireplace.

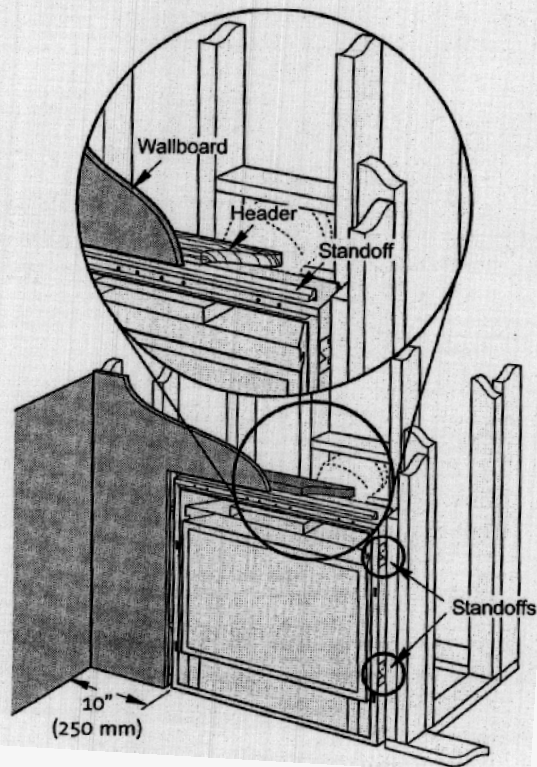


Figure 6. Header and Side Standoffs

## Mantel and Trim Clearance

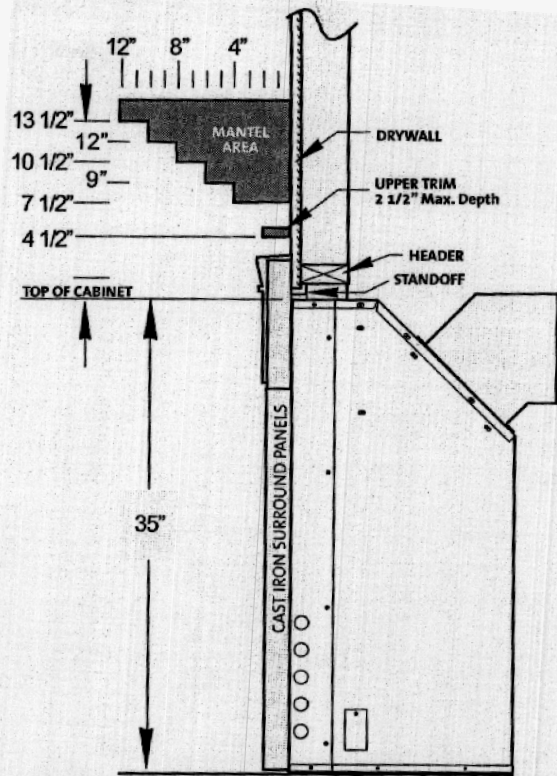


Figure 7. Minimum Mantel Clearances. Measure clearances from the top of the fireplace cabinet before installation of the cast iron surround panels.

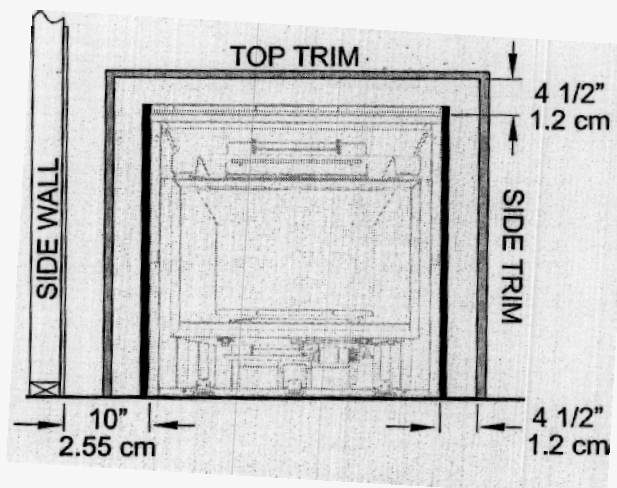


Figure 8. Minimum Side Wall and Trim Clearance. Measured from the cabinet, not standoffs or cast iron panels.

# Vent Requirements

The GZ550 DV Acadia Gas Fireplace is approved for use with direct vent components produced by the following manufacturers:

- Simpson Dura-Vent Corporation, 5/8 and 4/6 pipe
- Security Vent Ltd. International, 5/8 and 4/6 pipe
- Amerivent Corporation, 4/6 pipe

Use vent components from a single vent manufacturer. Do not combine parts from different manufacturers in a single installation.

The vent termination must fall within the shaded area designated in the diagrams in Figures 12-14.

## Venting Guidelines

- The minimum height for a vertical termination cap must be no less than 7' from the top of the unit. The maximum height must not exceed 35'.
- The minimum vent height above the roof or adjacent walls is specified by major building codes. Use the Gas Vent Rule as a general guide. See Fig. 10. requirements of the approval listing and the manufacturer's instructions.
- Clearance (airspace) between Vent and Combustibles:  
Top - 2" (51 mm)      Sides/Bottom - 1" (25 mm)
- Wall Cutout Dimensions:  
4/6 Pipe - 10" x 10"      5/8 Pipe - 11" x 11"
- Any horizontal run must rise 1/4" per foot.
- Install venting in accordance with the vent manufacturer's instructions. Never modify any venting component, or use any damaged venting product.
- M E GAS APPLIANCE AND VENT SYSTEM MUST BE VENTED DIRECTLY TO THE OUTSIDE OF THE BUILDING. DO NOT CONNECT VENT TO A CHIMNEY SERVING A SOLID FUEL OR ANOTHER GAS APPLIANCE.
- Joint Sealing Requirement: Apply a 1/8" bead of high-temperature (750°F) sealant to the male section of the inner vent pipe. See Fig. 9. The cement should seal the inner pipe from the outer pipe.
- Do not recess the vent terminal into a wall or siding.

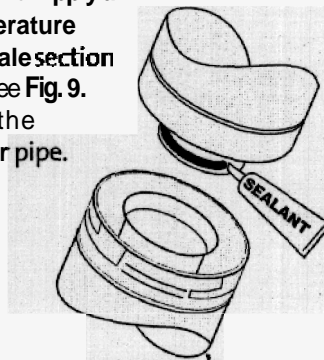


Figure 9. Seal each inner joint before joining pipe,

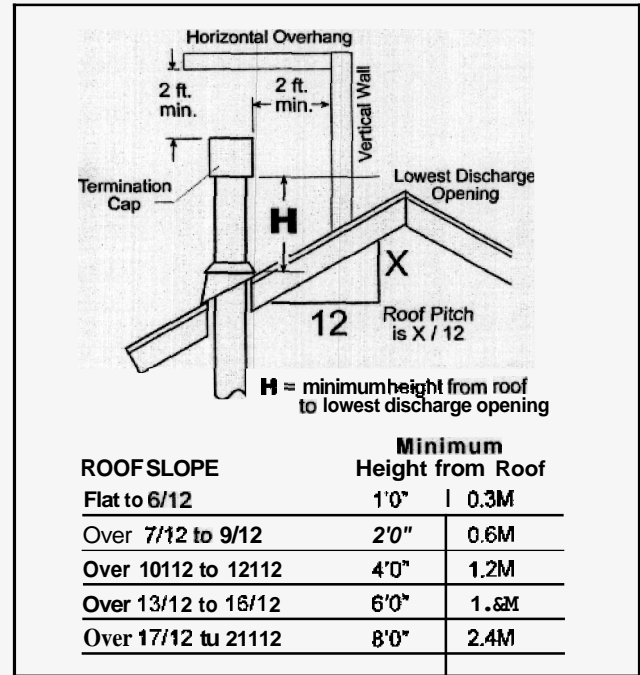


Figure 10. Gas Vent Height Rule: Vertical vent termination height above roof:

- Inspect the vent system annually for blockage and deterioration.
- Installation of any components not manufactured or approved by Jøtul or failure to meet all clearance requirements will void all warranties and may result in property damage, bodily injury, or loss of life.

**IN DESIGNING THE VENT SYSTEM, DO NOT COUNT THE 45° ELBOW CONNECTED TO THE VENT COLLAR AS AN ELBOW.**

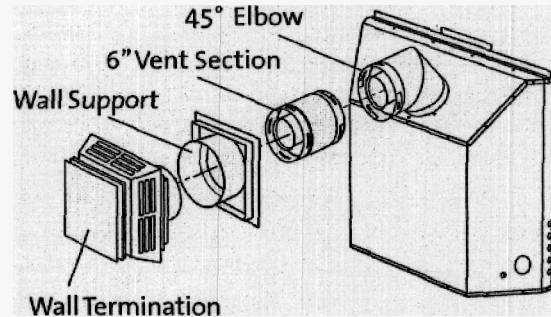


Figure 11. Typical minimum horizontal vent configuration - 5/8 Simpson DuraVent. Do not use 4/6 pipe in this configuration.

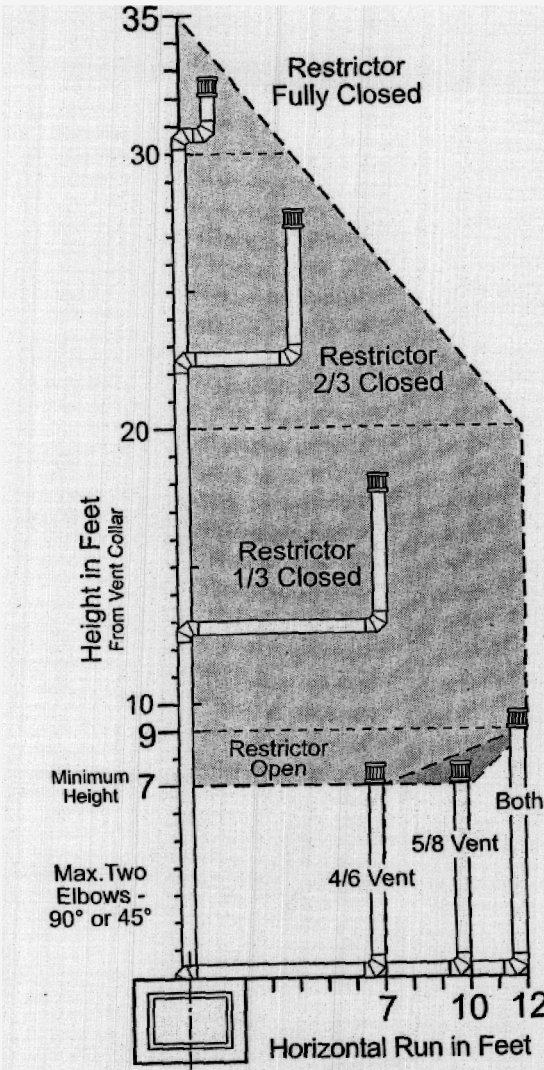


Figure 12. Vent Window for vertical termination using 5/8 or 4/6 pipe.

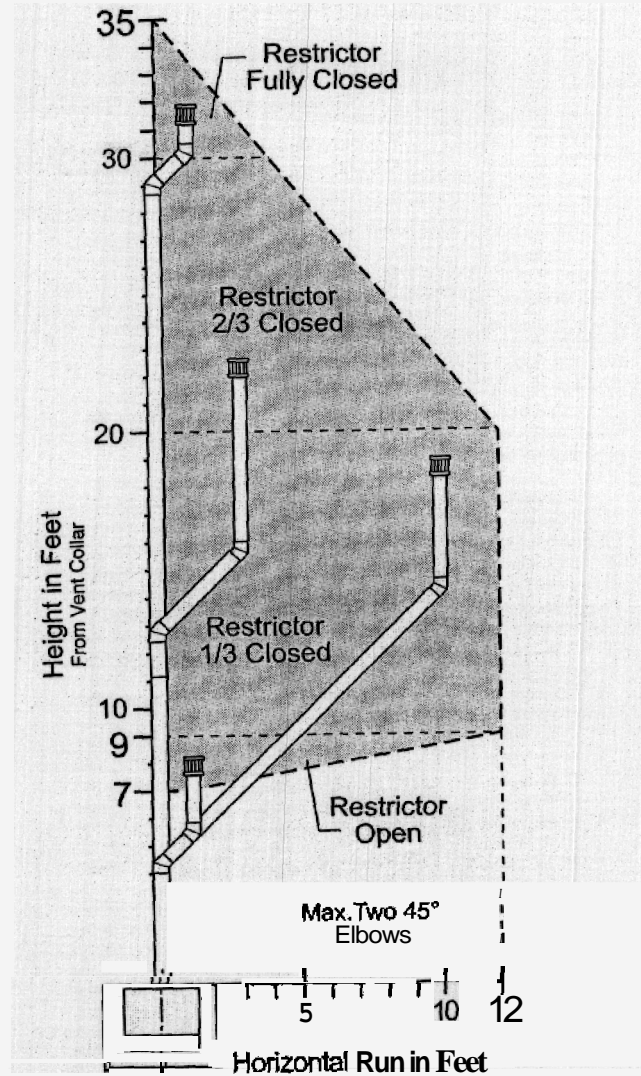


Figure 13. Vent Window for offset vertical termination using 5/8 or 4/6 pipe.

## Vertical Termination

The vent must terminate within the shaded area designated on the graphs in Figs. 12 and 13.

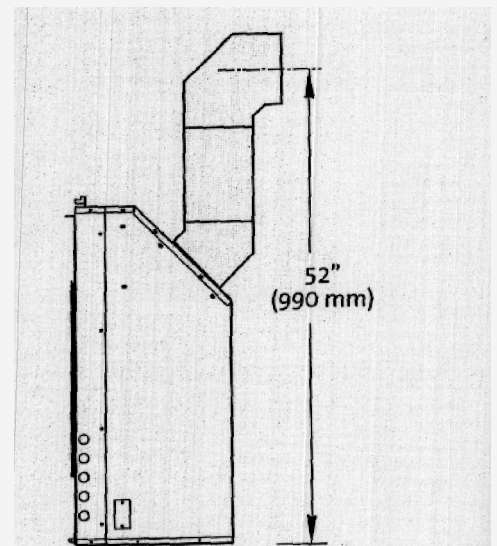
- Maximum Elbows - Two 90° or Two 45° (**Do not count the first elbow off the vent collar.**)
- Use the restrictor settings indicated in the graph as general guide. The specific characteristics of your installation may require different settings.

## Horizontal Termination

The vent must terminate within the shaded area designated in Figs. 15 and 16. (**Do not count the first elbow off the vent collar.**)

- Max. Elbows - One 90° or one 45°.
- Use of 4/6 pipe requires a minimum 1 foot rise. Fig. 14.

Figure 14. Minimum centerline for horizontal termination of 4/6 pipe



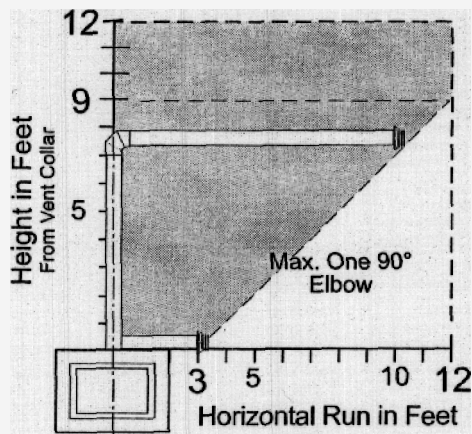


Figure 15. Horizontal termination - 5/8 pipe.

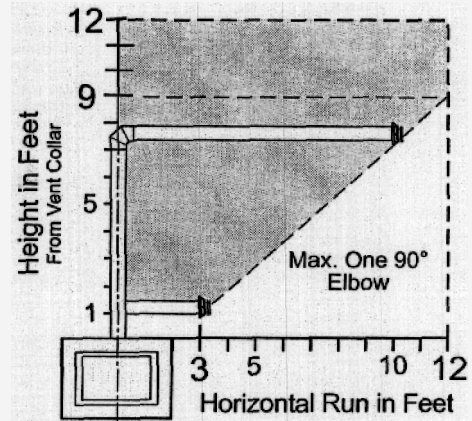


Figure 16. Horizontal Termination - 4/6 Pipe.  
Minimum 1 ft. rise required.

## Horizontal Termination Clearance

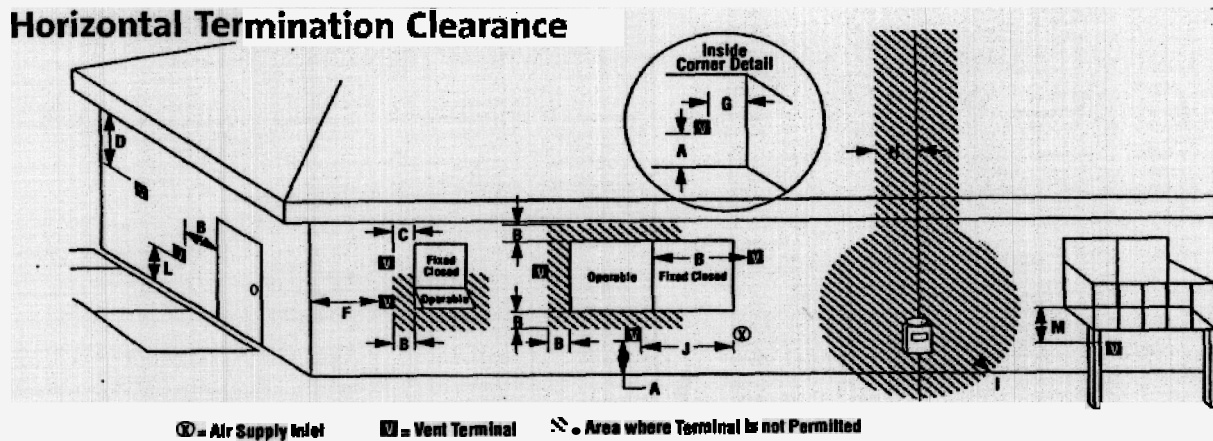


Figure 27. Vent Terminal Clearances - National Fuel Gas Code.

**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: minimum 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. <sup>1</sup>

• 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.

<sup>1</sup> Only permitted if veranda, porch, deck, or balcony, is fully open on a minimum of two sides beneath the floor.\*



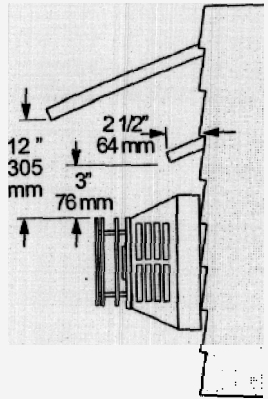


Figure 18. Wall Vent Terminal/ Overhang Clearances

## Variable Vent Restriction

Vent restriction is accomplished by sliding two restrictor panels over the combustion air intake ports located at the back of the firebox, just below the logset base. See Fig 19. The panel levers will be most accessible with removal of the logset.

The panels are set in a fully open position at the factory. Push each lever toward the center of the firebox to increase restriction in one inch increments, e.g: 1 inch travel = 1/3 closed position.

Use the Vent Window diagrams in Figs. 12-13 as a starting point to determine the best restriction setting. The ideal restrictor setting for a particular vent system will vary depending on the specific installation characteristics. Once the fireplace is operating, further restrictor adjustment may be necessary to obtain the best performance. See the Operation chapter of this manual for further information.

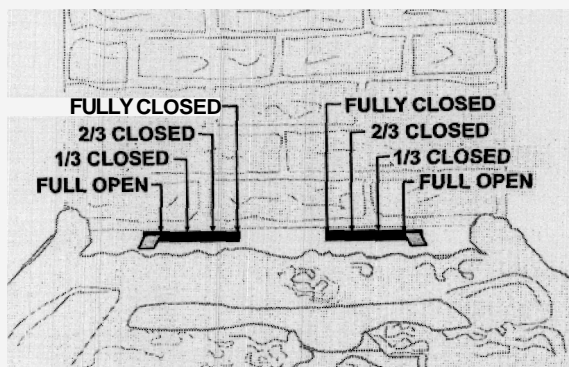


Figure 19. Vent restrictor settings.

# Fireplace Installation

## Optional Blower

Install the optional Blower (154967) before installing the gas supply line. The 125 CFM heat-activated fan unit will be located in the bottom rear of the fireplace cabinet.

### Power Requirement

The blower must be electrically grounded in accordance with local codes or, in the absence of local codes, with the current NFPA 70- National Electrical Code or CSA C22.1-Canadian Code.

A three-prong (grounding) power supply plug is included for protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. **DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THE PLUG.**

### Blower Function

The blower is controlled by a heat activated switch (snapstat) that will ONLY function if the blower control switch is either in the HI or LOW setting. Once the unit has been operating for a short time and the firebox heats, the blower will start on either the HI or LOW speed.

Conversely, once the unit is off the blower will continue to operate until the snapstat cools and turns the blower off.

If the blower is not needed, place the blower control switch in the OFF position and the snapstat will not function.

**CAUTION:** Always unplug the Blower when performing any routine service to the Acadia gas fireplace.

### Installation

1. Insert a rubber grommet at each corner of the Base Plate as shown in Fig. 20.
2. Engage the Blower unit base with the four Studs at the rear of the fireplace cabinet floor. See Fig. 21.
3. Using the M6 nuts and 10 mm socket, attach the Control Switch / Snapstat Bracket to the two studs protruding from the firebox floor. See Fig. 22. Be sure that the snapstat disc firmly contacts the bracket surface.
4. Run the power cord through the opening in the side of the cabinet nearest the receptacle. Gather stack cord into the side cavity, away from the plumbing and other wiring.

# Jøtul GZ 550 DV Acadia

2004

## Specifications

BTU Input Rating	Natural	Propane
Max. Input	28,000	28,000
Min. Input	19,000	19,000
Efficiency	82% Steady State (A.F.U.E. 76%)	

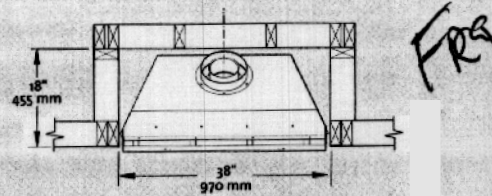
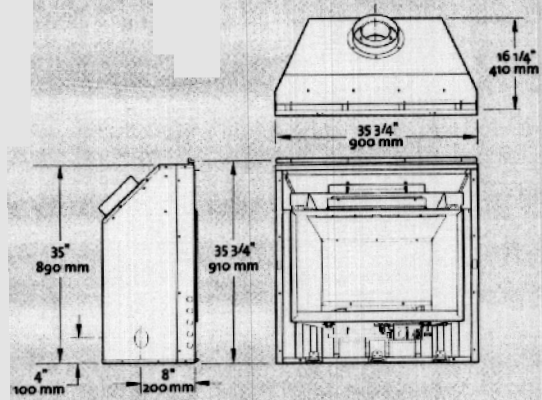
Piezo Ignition/Standing Pilot (*works during power outages*)

Fireplace Dimensions: Front Width 35 3/4"  
 Back Width 23 1/2"  
 Front Height 36"  
 Depth 17 1/4"  
*TrueZERO clearance, combustible materials can be framed to the unit.*

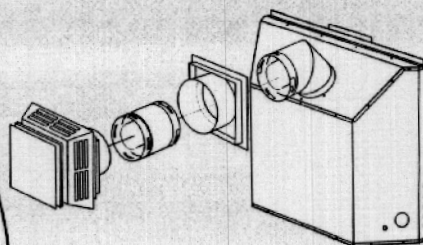
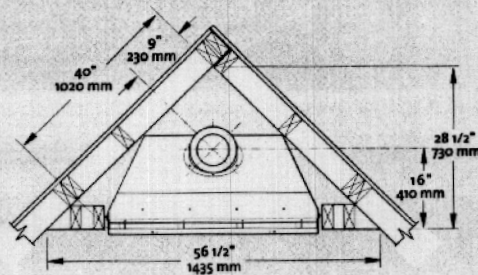
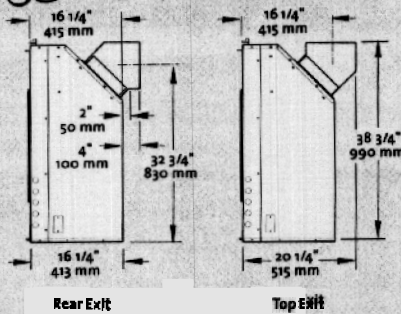
Surround Dimensions: Width 41" Height 37"

- Standard Features:
- 5" x 8" venting starter collar for rear exit installations
  - Elegant cast iron surround panels with cascading lattice
  - Three position On/Off/T-stat switch
  - Gas conversion kit included with every stove for use with Propane

- Options:
- Refractory antique brick kit
  - Two speed heat activated blower 125 cfm/60 cfm
  - 4" x 6 5/8" starter collar for top exit
  - Venting installations
  - Wall thermostat
  - Remote control
  - Arched glass fronts with screens
  - Multiple finishes
  - Signature cast iron arched double door front with basket screen option
  - Classic Matte Black Paint and Blue Slack Enamel



use 5" x 8" pipe Simps



FastFacts

JØTUL

**City of Portland, Maine - Building or Use Permit**

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

Permit No: 06-0008  
 Date Applied For: 12/28/2005  
 CBL: 261 D005001

Location of Construction:	152 ROWE AVE	Owner Name:	SMITH DAVID R & JACQUELYN	Owner Address:	152 ROWE AVE	Phone:	
Business Name:		Contractor Name:	Frost N Flame	Contractor Address:	629 Main St. Gorham	Phone	(207) 856-7000
Lessee/Buyer's Name		Phone:		Permit Type:	HVAC		

Proposed Use:	Singel Family install a Jotul Arcadia direct vent 100 gal tank	Proposed Project Description:	install a Jotul Arcadia direct vent 100 gal tank
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**Dept: Zoning** Status: Approved Reviewer: Tammy Munson Approval Date: 01/13/2006  
 Note:  Ok to Issue

**Dept: Building** Status: Approved with Conditions Reviewer: Tammy Munson Approval Date: 01/13/2006  
 Note:  Ok to Issue  
 1) The installation must comply with the State of Maine Gas Regulations.

**City of Portland, Maine - Building or Use Permit**

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

Permit No: 06-0008	Date Applied For: 12/28/2005	CBL: 261 D005001
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Location of Construction: 152 ROWE AYE	Owner Name: SMITH DAVID R & JACQUELYN	Owner Address: 152 ROWE AVE	Phone:
Business Name:	Contractor Name: Frost N Flame	Contractor Address:	Phone
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Dept: Zoning      Status: Approved      Reviewer: Tammy Munson      Approval Date: 01/13/2006  
Note:      Ok to Issue:

Dept: Building      Status: Approved with Conditions      Reviewer: Tammy Munson      Approval Date: 01/13/2006  
Note:      Ok to Issue:

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