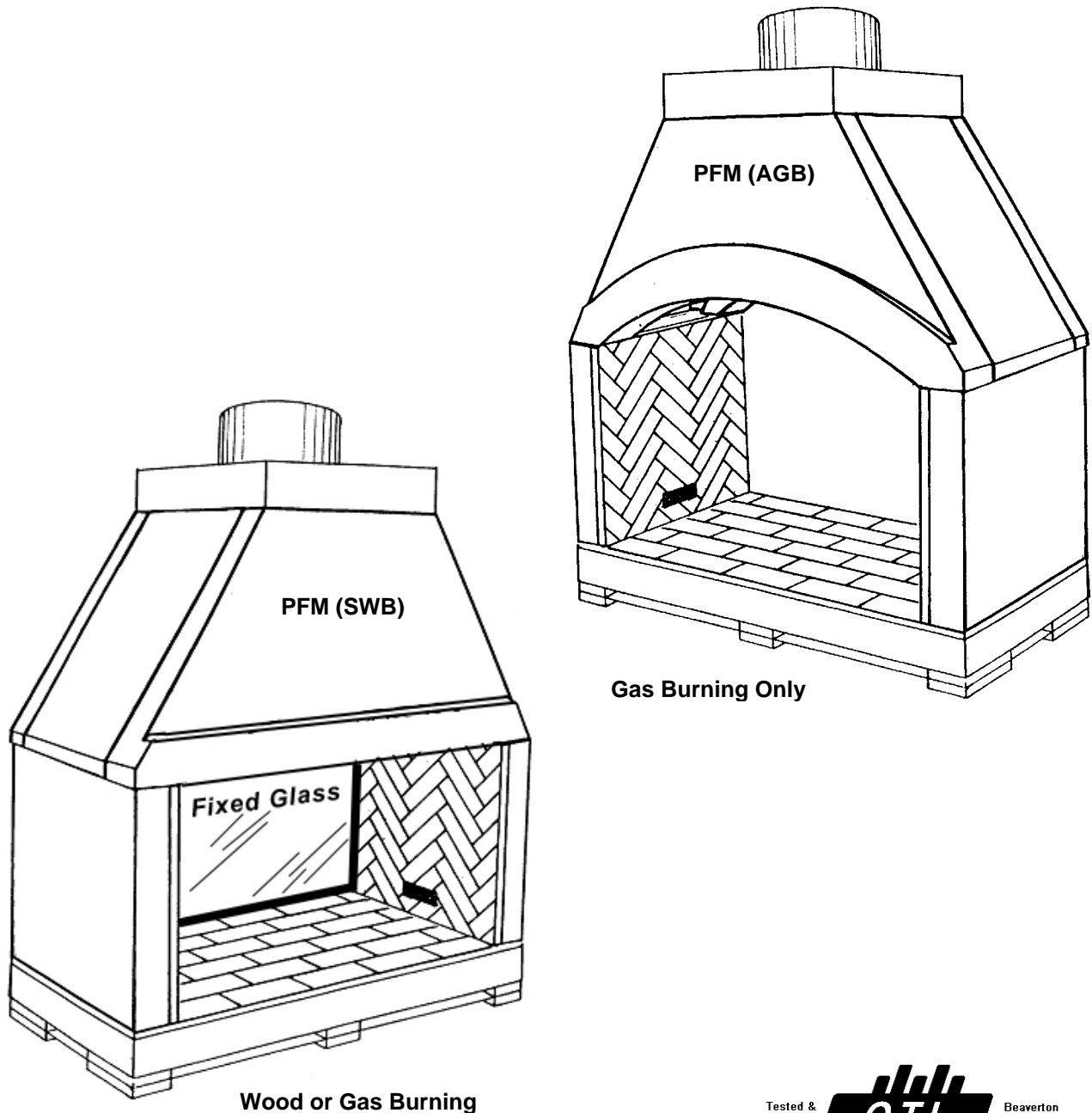




INSTALLATION MANUAL

FOR

C-THRU MODEL 42



Manufactured By



PREFABRICATED ALL MASONRY FIREBOX

INSTALLATION INSTRUCTIONS

Keep these instructions for future use.

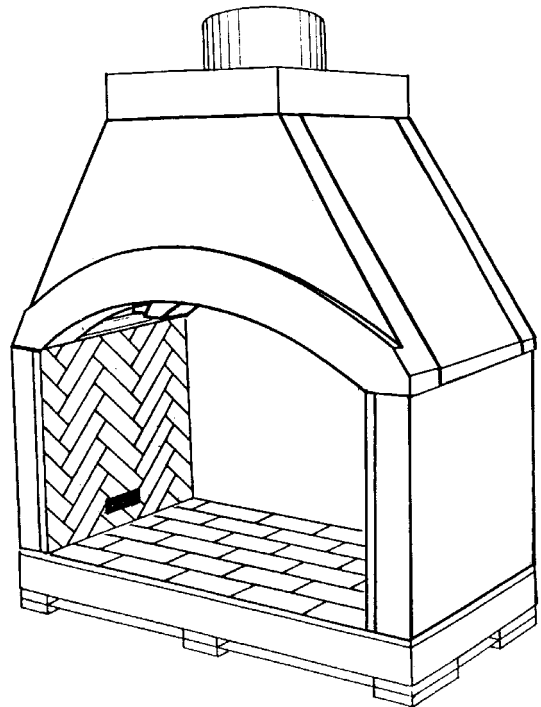
This fireplace is to be installed **ONLY** by a company certified by Contempo. Any permits and construction industry inspections required for installation should be obtained by this company.

INSTALLATION MANUAL FOR C-THRU MODEL 42 ONLY.

Firebox structure consists of 7 modular pieces. The entire inside of the firebox is lined with 1" of rust colored refractory cement, cast in a herringbone pattern, and backed up with lightweight Vermiculite concrete.

Contempo's double wall metal chimney system attaches to our heavy gauge steel anchor plate/damper. (See instructions on page 9.) This chimney is an air-cooled system.

Due to its lightweight firebox and the metal chimney system, the CONTEMPO FIREPLACE weighs only 990 pounds and therefore, requires no footings and can even be installed on most wooden floors. Check with the area's construction industry, architect, or engineer.



NOTE: All **warnings** are outlined in this manual and must be adhered to by the installer and the buyer. Failure to do so will nullify the manufacturer's warranty, and may cause serious fire hazard.

PRE-INSTALLATION REQUIREMENTS

Proper preparation prior to installing the Contempo fireplace is **VERY IMPORTANT** and will eliminate costly delays created by call-back inspections, re-framing or removing framing to meet clearance requirements, as well as additional trips and charges by the installer.

CHIMNEY CHASE REQUIREMENTS

...for air cooled 12/15 Contempo Chimney System or Equivalent

NEW CONSTRUCTION

If the fireplace is being installed in new construction, the flue clearance must first be established. A 2" minimum clearance from combustible materials is required. Fire-blocking is required between the joists in which the flue will be installed. An enclosed chase should be constructed with an open clear space of 19"x19" minimum in attic or closet (24"x19" or 24"x24") see FIG. 1 on this page, and above the roof to a height of 2'0": above a parapet or roof peak. A ½" plywood or wafer board should cap the chase in which a 19" minimum diameter circle should be removed, and over which the roof flashing should be centered and mounted.

Note: Roof or floor decking should **NOT** cover any part of the chase opening.

RETROFIT INSTALLATION

In an existing house where the ceiling joist locations or direction are unknown, their location can be found by using a stud finder. If a joist is encountered within this space, it must be cut and headered (as per the local building code). Check before cutting!

To complete the chimney preparation, follow the steps outlined above for new construction requirement.

COMBUSTION AIR SYSTEM

INSIDE WALL INSTALLATION

If the fireplace is located on an interior wall the dryer-vent cover can be installed on a roof flue chase (See FIG. 2) and then a flex aluminum duct can be attached to the sleeve with enough duct to reach the floor on which the firebox sits. Attach duct to firebox air manifold for gas conversions only.

Note: Combustion air supply ducts should not be accessed in attic spaces.

WARNING: If fireplace is wood burning **DO NOT ATTACH** combustion air duct to air manifold.

OUTSIDE WALL INSTALLATION

If the fireplace is located on an outside wall a Contempo outside air vent needs to be installed. When the chase wall is going to be masonry it is best to install this air vent as the wall is being built. If the chase wall is frame, the vent should be installed between the studs and a few inches above the base plate, the vent should be screwed into place before exterior finishing, it can be adjusted for exterior finish thickness.

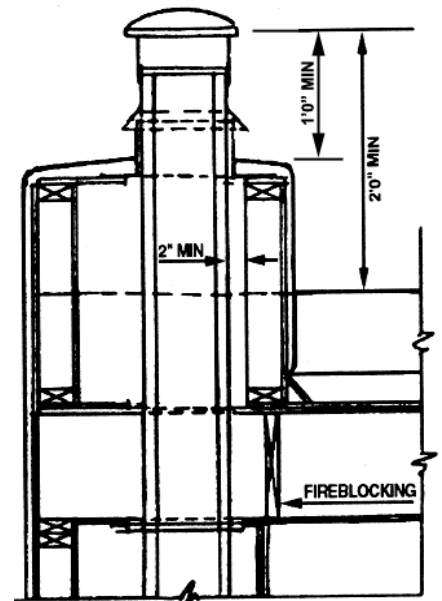


FIG 1: chimney chase requirements (outside wall)

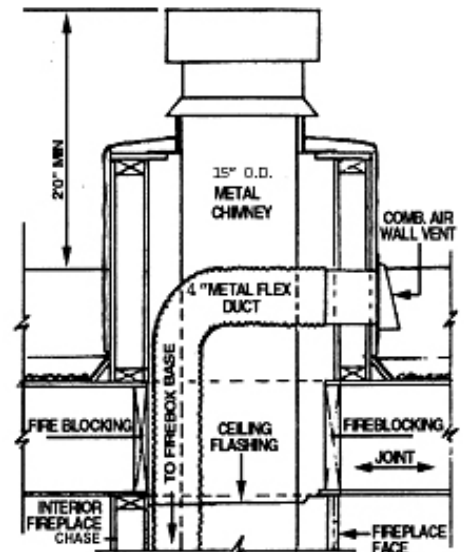


FIG 2: roof outside air access (inside wall)

FIREBOX CHASE REQUIREMENTS

A framed chase or masonry chase is required for all CONTEMPO fireplaces. The plan and section dimensions are illustrated in FIG 3 and FIG 4. If the fireplace is being set on a wood floor it must be set on 6 sets of 2- 1 1/4" thick masonry bricks high with a piece of 24 gauge steel metal sandwiched in between, and arranged as indicated in FIG 3. Wherever carpeting and padding are present, they should be removed (including the total area of the hearth extension).

See page 8 for hearth extension details.

WARNING: The hearth opening to side walls requires a minimum of 21" distance to combustible materials.

If the fireplace chase is going to be attached to one wall, the outside edge of the base should be set no closer than 16" to a combustible wall. See FIG 3. A wood chase can be constructed up to the firebox (no clearance is required). The width of the framing should be 1/2" less than the width of the fireplace to allow for sheetrock. When installed, the sheetrock should be flush with the face of the fireplace.

The combustible header required in the chase design, over the entire fireplace, must be a minimum of 66" above the hearth floor. Masonry board should cover any voids from the header to the fireplace and to the studs, which can be screwed directly onto the face of the firebox.

FLUSH FLOOR INSTALLATION

These instructions only apply to a fireplace being set directly on a concrete floor. First, layout the size of the fireplace (as per plan view FIG 5) on the floor, and draw a centerline. Next, apply a layer of Perma-Bond tile set over the entire firebox area using a 1/4" x 1/4" tile applicator.

Lay the firebricks starting at the center line and out to the sides, using the supplied bricks that are cut to firebox. Follow the same installation instructions as specified on page 6, with the exception of the base installation. See FIG 5.

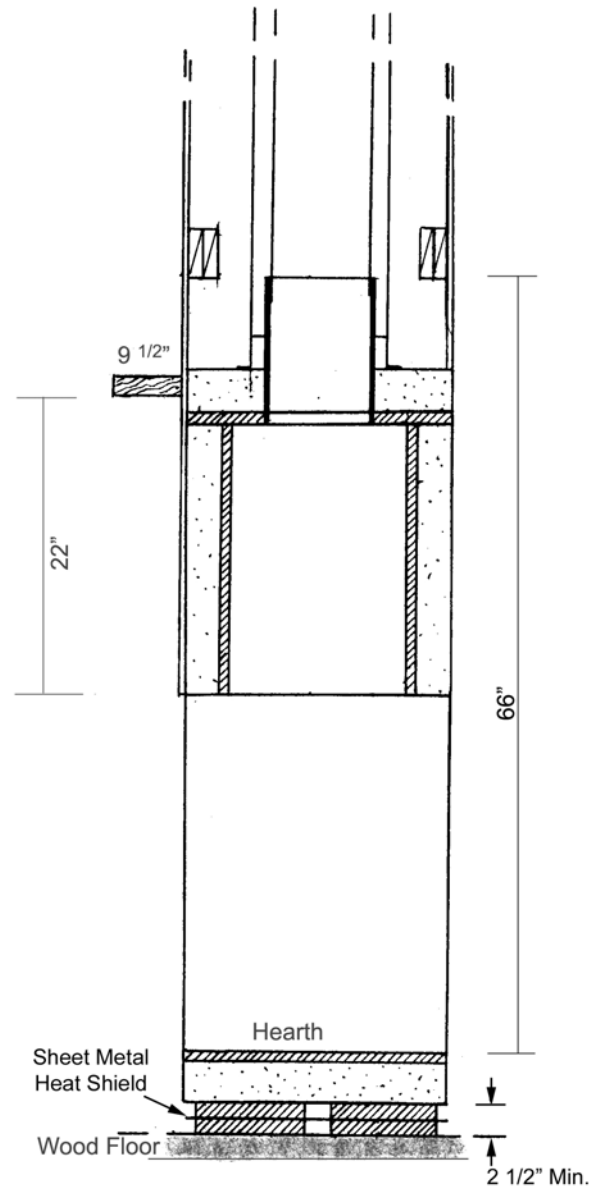


FIG 4

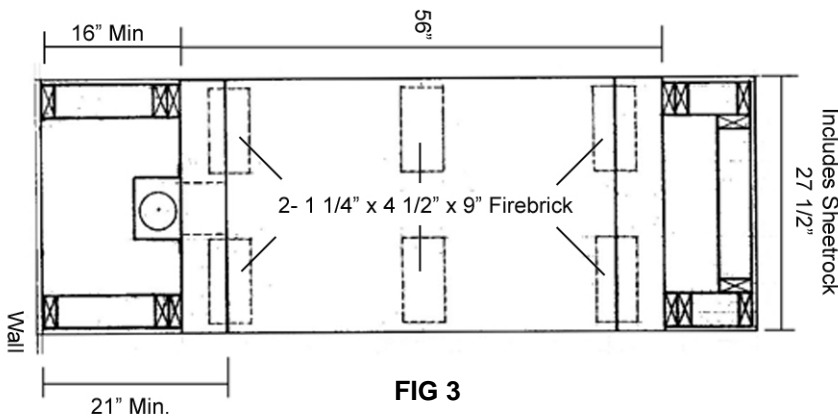


FIG 3

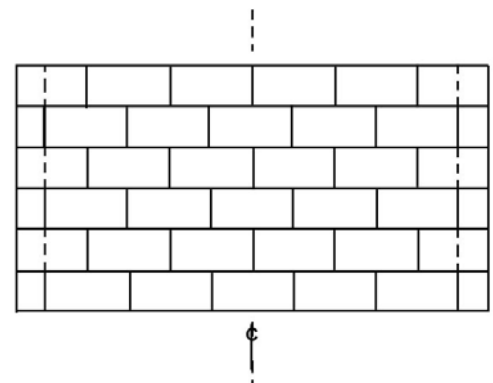


FIG 5

CHASE FINISHING

If the chase is frame construction, the header over the chase opening must be a minimum of 66" above the hearth floor. ½" masonry board should be installed over the entire area from the header, between the studs, and up to the ½" offset ledge on the firebox. This board can be screwed directly onto the fireplace face. The sheetrock can be butted up to the sides of the fireplace. If installed on a wood floor, a hearth extension of 24" deep and extending 12" beyond the hearth opening on both sides is required.

If the chase is masonry and the inside wall is extended above the fireplace, an adequate 1½ x 1½" L-iron mantle should be placed at the same height as the wooden header. Masonry board covers the same opening.

THE FIREPLACE CANNOT BE USED AS ANY PART OF A STRUCTURAL OR BEARING WALL

FIREBOX ASSEMBLY PROCEDURE

THE FIREPLACE SHOULD BE COMPLETELY ASSEMBLED BEFORE BUILDING ANY CHASE OR FIREPLACE ENCLOSURE.

CONCRETE FLOOR INSTALLATION

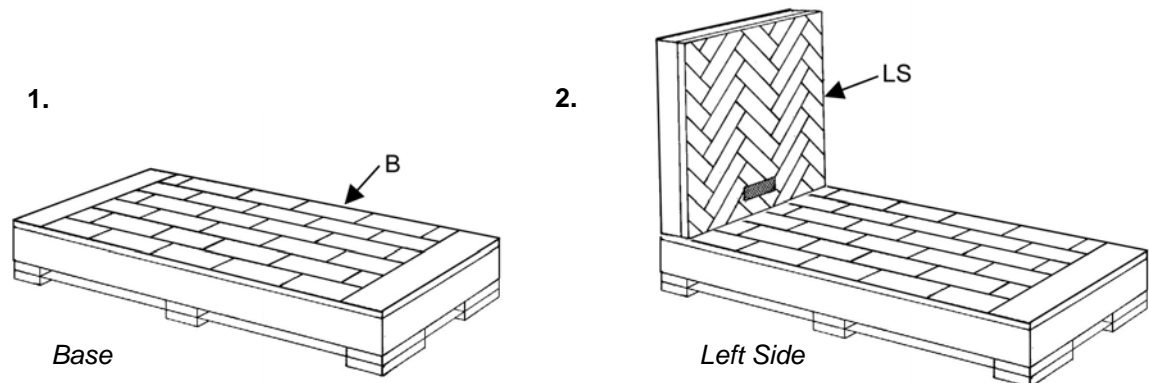
If the fireplace is being installed flush with the floor, the supplied hearth split firebricks should be laid out as illustrated in FIG 5, (pg. 5). They can be adhered to the floor with the refractory mortar "Flue Glue" with a ¼"x ¼" tile applicator. After allowing to set, begin to assemble the firebox starting with procedure #2, of the wood floor installation below.

WOOD FLOOR INSTALLATION

When the fireplace is being set over a wood floor, a heat barrier is required, see FIG 3 and FIG 4, and step #1 below. Six sets of 2 split bricks 1¼" thick with a sheet of 24 gauge metal steel sandwiched in between; which should be the same size of the base, and laid out as illustrated.

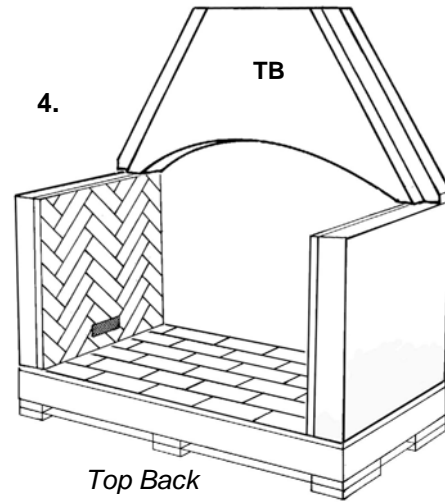
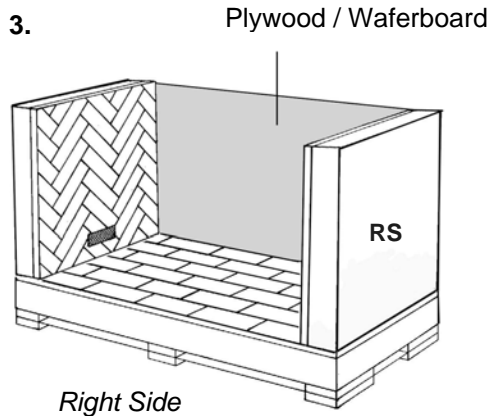
A hearth extension is required and must extend a minimum of 24" out from the face of the fireplace and 12" beyond the fireplace opening on each side. The thickness of the extension shall be a minimum of ½" masonry board and ¼" of ceramic tile or stone. The fireplace and hearth extension can be raised to any height desired as long as the above specification are maintained or increased.

The complete installation procedure following the installation of the heat barrier is shown and described below.

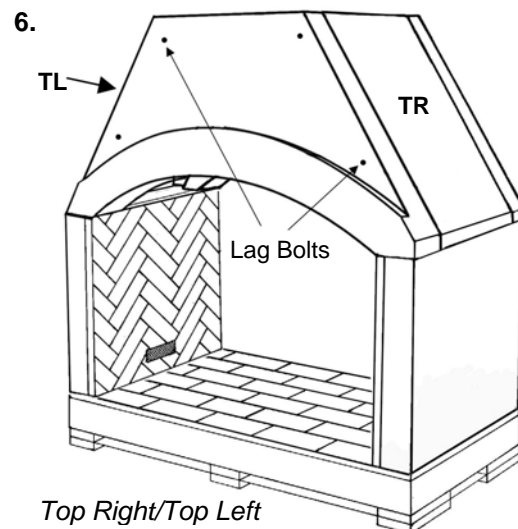
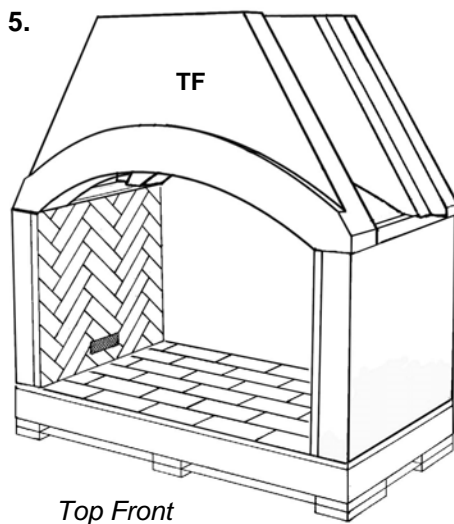


1. If the fireplace is being installed with the base(B), the hearth will be elevated 5" above the finished floor. It can be elevated to any height desired by adding non-combustible bricks or blocks under the base.

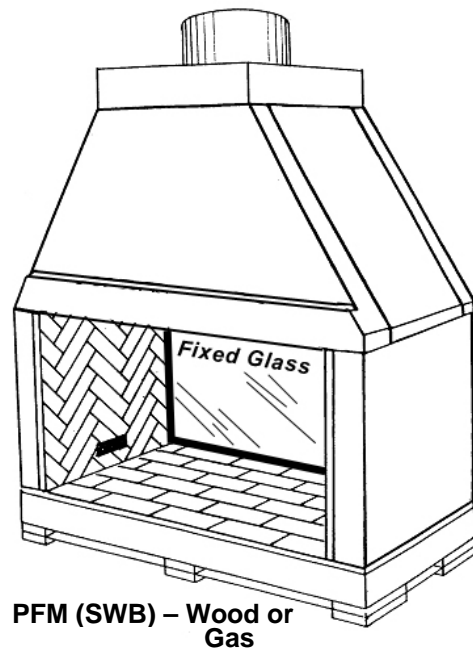
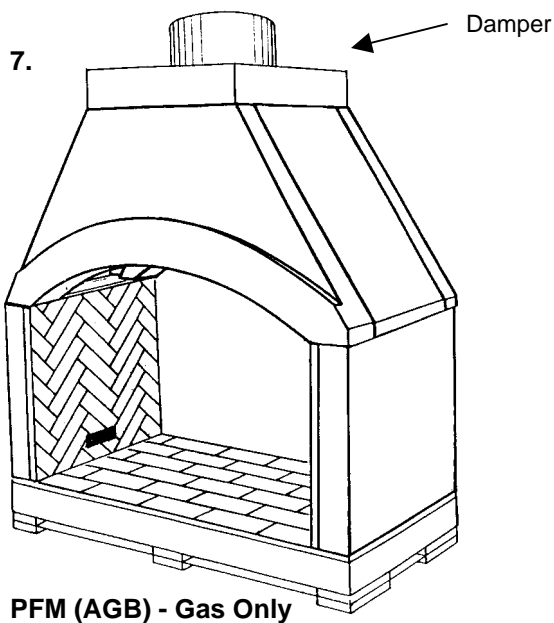
- Determine where the combustion air supply will be in the fireplace chase, then select the side unit with the vent tube penetration(LS). Apply refractory mastic to the area on the base(B) where this piece will set on then set this first side in place.



- Repeat the above procedure to set the second side(RS). **It is necessary to stabilize these two pieces before adding any additional pieces.** This is accomplished by cutting a piece of ½" plywood or wafer board to 52"x32" and placing it over both side pieces, line up with the base and plum one side, then using 2" deck screws, screw the board to the firebox. Repeat on the other side.
- Next apply "Flue Goo" to the top of both vertical sides (LS and RS) where the Top Back (TB) will be set. Now lift this piece into place.

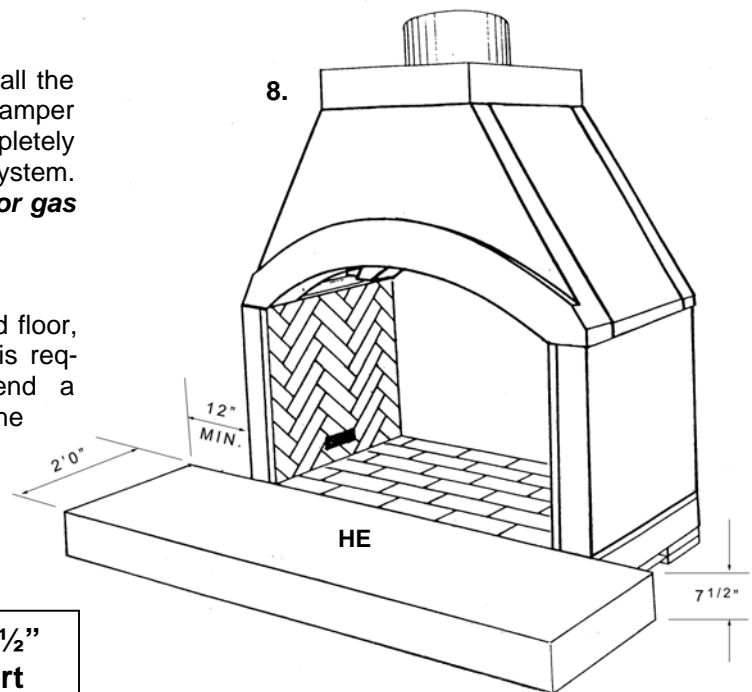


- Repeat above procedure for Top Front (TF) piece.
- Apply "Flue Goo" to the vertical edges of the Top Right (TR) piece and on the top of the Right Side piece (RS). Now place the Top Right (TR) piece in place, aligned with the front piece (TF) and screw the lower lag bolt through the front piece (TF) into the Top Right (TR) piece.
Repeat procedure for the Top Left (TL) piece.



7. Now apply "Flue Goo" to the top edges of all the top pieces (TR, TL, TF, TB) and set the damper piece in place. The firebox is completely assembled and ready for the chimney system. **Arched Contempo model may be used for gas burning only!**

8. When this fireplace is installed over a wood floor, a non-combustible hearth extension (HE) is required. The hearth extension must extend a minimum of 24" out from the front of the firebox opening, and 12" beyond the opening on both sides.



WARNING: Do Not Remove the 1/2" plywood or wafer board support until the fireplace has been enclosed and supported.

NOTE: When this fireplace is being used as a wood burning fireplace, a fixed neo-ceramic glass panel, is required on one side of the C-Thru opening. (These Contempo panels are included when a wood burning unit is ordered). Refer to installation instructions included with fixed panel for assembly procedures.

CHIMNEY INSTALLATION

1. Position the anchor plate/damper with chimney starter collar over the opening on the top section of the firebox, centering over the opening. Trace the outer edge of the anchor plate. Using a ¼" masonry drill, drill into the firebox top through the four holes in the plate. Apply bed of refractory mortar between the anchor plate and top of firebox. Secure the plate with the four lag bolts ¼" dia. x 1-1'2" long.

Next install the chimney starter. Set the chimney starter over the damper. Follow the instructions below for installation of the chimney system, then secure the starter to the anchor plate with self-drilling screws.

Each double wall chimney section consists of an outer pipe, flue pipe and one wire spacer. The pipe sections are not pre-assembled and must be assembled piece by piece as the chimney is installed. When starting the chimney directly on the fireplace, the flue pipe section must be installed first with the hemmed end down. The outer pipe section can then be installed over the flue pipe section with the hemmed end up. See FIG 6.

WARNING: THE OPENINGS IN THE COLLAR AROUND THE FIREPLACE MUST NOT BE OBSTRUCTED. NEVER USE BLOWN INSULATION TO FILL THE DOUBLE WALL CHIMNEY OR THE CHASE AREA.

2. Place one elbow, without straps, into the damper and slide the inner pipe to the raised rim. Then place the outer pipe into the starter collar and secure with screws. Press down on each pipe section until the lances on the lower end securely engage the knurl on the fireplace starting collar. The wire spacer will assure the proper spacing between the inner and outer pipe sections.
3. Attach elbow with the straps to the flue section that will be used to connect the elbows. **Make sure this elbow is connected to the flue section in the right direction.** Attach these two sections to the elbow on the anchor plate/damper and starter collar. Align the top elbow to the hole you have already cut into the ceiling, then secure the straps to the walls to hold the assembly in place.
4. The remaining straight flue sections required to reach the building code approved height, or a minimum of 18', should be attached one at a time as they are lowered from the room to the secured elbow on the firebox. Once the offset section is in position, attach the assembled straight flue sections to the top elbow, thereby completing all flue connections. **Make sure that both inner and outer pipe sections are locked; when installing double wall "snap lock" chimneys, it is important to ensure that the joint between the chimney sections is locked.** Check by pulling chimney upward after locking: the chimney will not pull apart if it is properly locked. Screws are not necessary to keep the chimney together. If chimney is 30' or higher, a support section provided by the chimney manufacturer is required after a straight chimney above the fireplace run, or above a return elbow after a straight chimney run. The support is designed to relieve the extra weight load on the fireplace and elbows when high chimneys are installed. See FIG 8.

Note: For wood burning a minimum of 18' of chimney must be used.

WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIAL

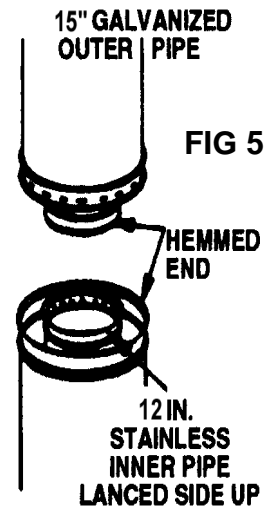


FIG 6: chimney pipe assembly

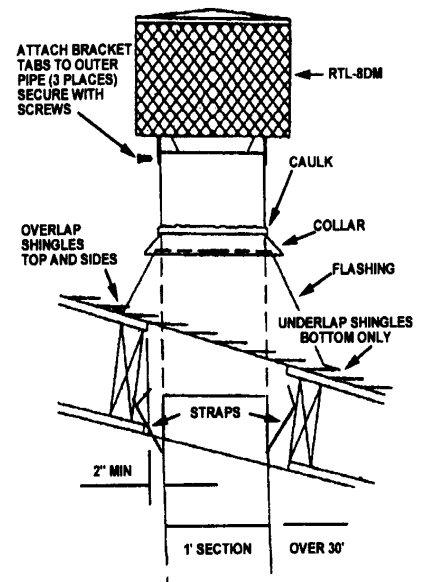


FIG 7: chimney termination

- Return to the roof with the storm collar and termination cap. First install the storm collar around the exterior of the flue section extending above the roof flashing. Tighten and slide down over the top of the roof flashing, secure and seal. Install the termination cap as per manufacturer's instructions. See FIG 7.

WARNING: DO NOT SEAL VENTILATION OPENINGS ON THE ROOFTOP FLASHING.

IMPORTANT: If an exposed portion of chimney is greater than 5' above the roof line, use support wires to keep chimney secure. The support wires may be attached to the outer pipe of the chimney with screws, but must not penetrate the inner flue pipe.

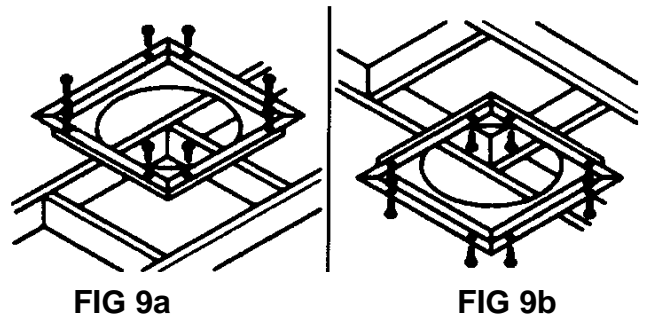
ELBOW INSTALLATION

- To achieve desired offset you may install combinations of 12", 18", and 48" lengths of double wall pipe between the elbows.
- Chimney weight above offset rests on return elbow. Straps must be securely nailed to rafters, joists, or stud.
- Maximum length of pipe between supports (return elbow) is 6' of angled run, after first set of elbows.

NOTE: All pipe joints between offsets shall be secured with two screws, only on the outer pipe, and must not penetrate the inner stainless. See FIG 6.

FIRESTOP SPACERS

Firestop spacers are required at each point where the chimney penetrates a floor or ceiling joist space. Their purpose is two-fold: they establish and maintain the required clearance between the chimney and combustible materials, and they also provide complete separation from one floor space to another floor or attic space as required by most codes. When penetrating a floor or ceiling at an angle, the appropriate approved firestop should be used. See FIG 8.



When the double wall chimney passes through a framed opening into an attic space, the firestop must be placed in the attic floor. See FIG 9a.

When the double wall chimney passes through a framed opening into living space above, the firestop must be placed onto the ceiling from below. FIG 9b.

10-FOOT RULE

All chimney terminations must extend a minimum of 3' above the highest point where it passes through the roof and must be at least 2' above the peak of the roof if within a horizontal distance of 10' from the peak. See FIG 10.

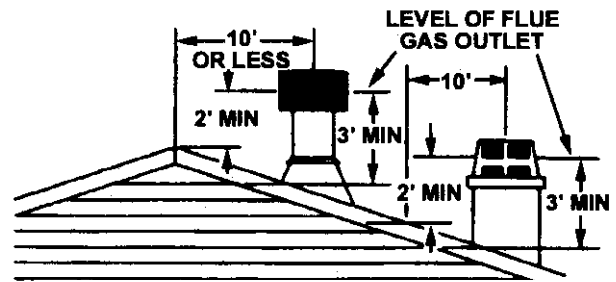


FIG 10: 10 foot rule

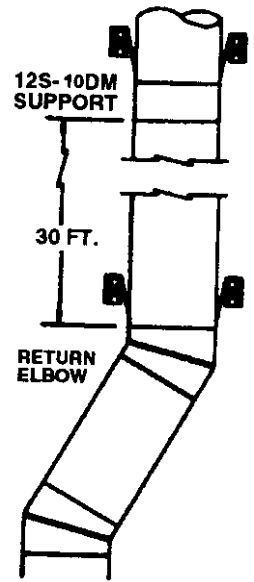


FIG 8

WARNING: INSTALL ONLY THE TERMINATIONS OUTLINED IN THESE INSTRUCTIONS AND MANUFACTURED BY CONTEMPO. A SERIOUS FIRE HAZARD COULD EXIST IF USING NON-LISTED TERMINATION. THIS CHIMNEY SYSTEM IS **NOT** INTENDED FOR HORIZONTAL TERMINATION.

GAS LOG CONVERSION

See pre-installation sheet.

This provision for installation of gas pipe is intended for connection to a decorative gas appliance that incorporates an automatic shutoff device and complies with the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60. The decorative gas appliance must be installed in accordance with the National Fuel Gas Code, ANSI A223.1

WARNING: WHEN USING THE DECORATIVE GAS APPLIANCE, THE FIREPLACE DAMPER MAY HAVE TO BE PERMANENTLY REMOVED CHECK YOUR LOCAL CITY CODES.

WHEN THIS UNIT HAS BEEN CONVERTED TO GAS THE GLASS DOOR AND THE ANDIRON GRATE ARE NOT REQUIRED


FOLLOW THE INSTALLATION MANUAL PROVIDED BY THE GAS LOG MANUFACTURER.

This fireplace was tested to UL127 standards for zero clearance fireplaces, as applicable to gas log installation 54.3.2s.

USE ONLY VENTED GAS APPLIANCES THAT 1) HAVE AN AUTOMATIC SHUT-OFF DEVICE, AND 2) COMPLY WITH STANDARDS FOR DECORATIVE GAS APPLICANCES FOR INSTALLATION IN VENTED FIREPLACES, ANSI Z21.60-1996/CGA 2.26-M96, OR LOS ANGELES RGA 2-72 OR AGA DRAFT REQUIREMENTS FOR GAS-FIRED LOGLIGHTER FOR WOOD BURNING FIREPLACES, DRAFT NO. 4 DATED AUGUST 1993. THE GAS APPLIANCE SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FUEL GAS CODE, ANSI Z223.1 (NFPA 54)

WARNING: THIS FIREPLACE HAS **NOT** BEEN TESTED WITH AN UNVENTED GAS LOG SET. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT INSTALL AN UNVENTED GAS LOG SET INTO THIS FIREPLACE.

NOTE: The data plate is located on the front top inside of the firebox.

<p>Tested & Listed By  Beaverton Oregon USA</p> <p>OMNI-Test Laboratories, Inc. REPORT NO.: 221-F-01-2</p> <p>FIREPLACE SERIAL NO.</p> <p>MODEL: C - THRU FIREPLACE</p> <p>DATE OF MANUFACTURE:</p> <p>CLEARANCE:</p> <table border="0"><tr><td>SIDEWALL TO STOVE</td><td>21"</td><td>SIDE TRIM TO STOVE</td><td>6"</td><td>FRONT HEARTH EXTENSION</td><td>24"</td></tr><tr><td>TOP TRIM TO STOVE</td><td>15"</td><td>MANTLE TO STOVE</td><td>20"</td><td>SIDE HEARTH EXTENSION</td><td>12"</td></tr></table> <p>*FOR GAS LOGS SEE INSTALLATION INSTRUCTIONS FOR HEARTH EXTENSION CLEARANCES. 18 FEET OF FLUE PIPE IS REQUIRED FOR ALL INSTALLATIONS.</p>	SIDEWALL TO STOVE	21"	SIDE TRIM TO STOVE	6"	FRONT HEARTH EXTENSION	24"	TOP TRIM TO STOVE	15"	MANTLE TO STOVE	20"	SIDE HEARTH EXTENSION	12"	<p>UL 127 LISTED FACTORY BUILT FIREPLACE FIREPLACE INTENDED FOR USE WITH SOLID WOOD FUEL OR LISTED GAS LOGS ONLY. SEE CONTEMPO FIREPLACES INSTALLATION AND OPERATING INSTRUCTIONS FOR THIS MODEL.</p> <p>WARNING: THIS FIREPLACE HAS NOT BEEN TESTED FOR USE WITH GLASS DOORS. TO REDUCE THE RISK OF FIRE OR INJURY, DO NOT OPERATE WITH GLASS DOORS. IF DOORS ARE USED OPERATE WITH FIREPLACE DOORS FULLY OPEN.</p> <p>DO NOT USE FIREPLACE INSERT OR OTHER PRODUCTS NOT SPECIFIED FOR USE WITH THIS MODEL. USE ONLY CONTEMPO FIREPLACES GRATE.</p>	<p>MANUFACTURED BY CONTEMPO FIREPLACES ALBUQUERQUE, NM 87123</p> <p>APPROVED AS A WOOD BURNING FIREPLACE OR FOR VENTED GAS LOGS APPROVED TO ANSI Z21.60 STANDARDS OR USE WITH VENT FREE GAS LOGS HEATER APPROVED TO ANSI Z21.11.2 STANDARDS. WHEN BURNING ANY TYPE OF GAS LOGS IN THE FIREPLACE ADJUST THE DAMPER TO THE FULLY OPEN POSITION.</p>
SIDEWALL TO STOVE	21"	SIDE TRIM TO STOVE	6"	FRONT HEARTH EXTENSION	24"									
TOP TRIM TO STOVE	15"	MANTLE TO STOVE	20"	SIDE HEARTH EXTENSION	12"									