



18"-24"-30" Kiva Fireplace

GAS BURNING INSTALLATION MANUAL

WITH DOUBLE WALL AIR-COOLED CHIMNEY

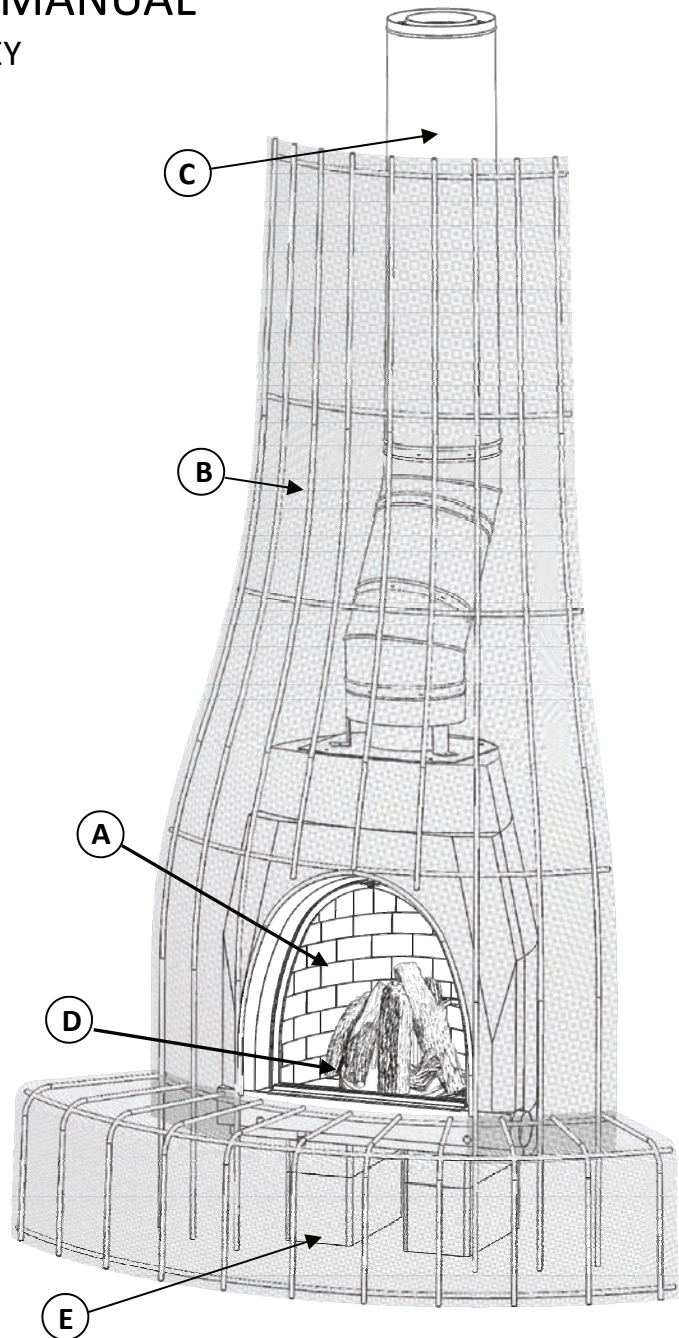
Frame Models: Orno
Santa Fe
Navajo
Zuni

Keep these instructions for future use.

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

The Adobelite Fireplace System consists of:

- A) KIVA FIREBOX** - A pre-cast firebox consisting of real hand laid firebrick and lightweight concrete.
- B) EXTERIOR FIREPLACE FRAME** - A tubular steel and diamond-mesh frame. The frame is finished with stucco after installation.
- C) AIR-COOLED CHIMNEY** - Lightweight stainless steel double walled air-cooled chimney is used for venting the fireplace.
- D) GAS LOG SYSTEM** - Electronic Ignition Gas Log Burning System is operated by a wall switch or remote.
- E) FIREBOX PEDESTAL** - Concrete blocks are used to elevate the firebox.



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.

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WARNINGS AND GENERAL SAFETY PRECAUTIONS



**IMPORTANT: THESE INSTRUCTIONS MUST BE LEFT
WITH HOMEOWNER**



**ALL WARNINGS OUTLINED IN THIS MANUAL MUST BE STRICTLY
ADHERED TO BY THE INSTALLER AND HOMEOWNER.**
FAILURE TO FOLLOW these installation instructions will
VOID THE WARRANTY and may cause a serious **FIRE HAZARD**.



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



Fully **READ** and **UNDERSTAND** all instructions carefully before beginning installation.



DO NOT modify your fireplace in any way. Any modification will void the warranty and create a potential fire hazard.



Before burning your first fire, fully read the **"Homeowners Operation Manual"**.



Combustion Air Intake of fireplace must be kept clear of debris at all times.



Do not **store** or **use** flammable liquids or aerosols near this fireplace.



Never leave the fireplace burning while unattended.



Children should never be left unattended while the fireplace is in use.



WARNING: Only use approved chimney and termination systems outlined in this manual.



WARNING: This fireplace is **NOT** designed for wall termination. Fireplace must be vented vertically.

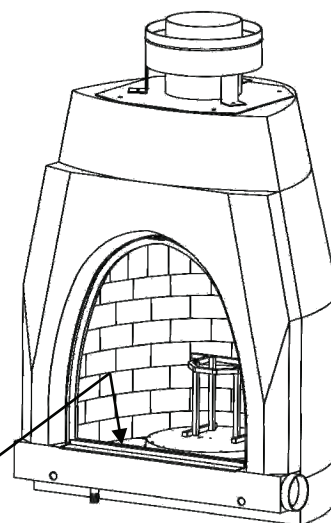
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LISTING DATA PLATE / LOCATION

The Adobelite Kiva Fireplace is a factory built fireplace tested to U.L. 127. Locate the Listing Data Plate inside the manifold by opening the hinged access door at the bottom of the door frame. Record the model, size, and serial number listed on the data plate below.



MODEL TYPE / SIZE

SERIAL NUMBER

MANUFACTURED BY ADOBELITE ADOBELITE, LLC ALBUQUERQUE NM 87123 ► MODEL TYPE ()	FIREPLACE INTENDED FOR USE WITH SOLID WOOD FUEL ONLY. SEE ADOBELITE INSTALLATION AND OPERATING INSTRUCTIONS FOR THIS MODEL. CONTACT LOCAL BUILDING OFFICIAL PRIOR TO INSTALLATION.	LISTED FACTORY BUILT FIREPLACE W.H. TESTED TO U.L. 127 FIREPLACE SERIAL NO. ◀
FIRE CHAMBER INTENDED FOR USE WITH FMI, HEATILATOR, OR SUPERIOR CHIMNEY AND ADOBELITE FIREPLACE PARTS. DO NOT USE FIREPLACE INSERT OR OTHER PRODUCTS NOT SPECIFIED FOR USE WITH THIS MODEL.		
▼ ▼ ▼ WARNINGS ▼ ▼ ▼ WARNINGS ▼ ▼ ▼ WARNINGS ▼ ▼ ▼ WARNINGS ▼ ▼ ▼ WARNINGS ▼ ▼ ▼		
FIREPLACE HAS NOT BEEN TESTED WITH GLASS DOOR DURING WOOD BURNING. TO REDUCE RISK OF INJURY, DO NOT OPERATE WITH GLASS DOOR IN PLACE.	HEARTH EXTENSIONS MUST BE INSTALLED ACCORDING TO THE INSTALLATION INSTRUCTIONS TO PREVENT RISK OF FIRE DAMAGE. DO NOT DRY CLOTHING ON HEARTH.	
FOR OPERATION, THIS FIREPLACE NEEDS SUFFICIENT AIR. IMPROPER OPERATION MAY RESULT IN STARVING OTHER FUEL-BURNING APPLIANCES OF COMBUSTION. VENTILATION AND DILUTION OF AIR REQUIRES OUTSIDE AIR AS PER INSTALLATION INSTRUCTIONS. DO NOT OVERFIRE UNIT.		
THIS FIREPLACE HAS NOT BEEN TESTED WITH AN UNVENTED GAS LOG SET. DO NOT INSTALL AN UNVENTED GAS LOG SET IN THIS FIREPLACE.	DO NOT USE FIRE-PLACE TO COOK OR WARM FOODS.	CLEARANCE: UNIT TO BACK/SIDE WALLS 3" CHIMNEY TO FRAMING CHASE 2" FIREPLACE OPENING TO SIDE WALL 18"
IF THE FIREPLACE IS CONVERTED TO GAS, THE DAMPER MUST BE FIXED IN A PERMANENTLY OPEN POSITION.		

FIG. 1 - LISTING DATA PLATE LOCATION

PLEASE FILL IN THE FOLLOWING INFORMATION FOR FUTURE REFERENCE

Model Type / Size: _____ Date Purchased: _____ Date Installed: _____

Frame Style: _____ Dealership Purchased at: _____

Serial Number: _____ Dealership Phone #: _____

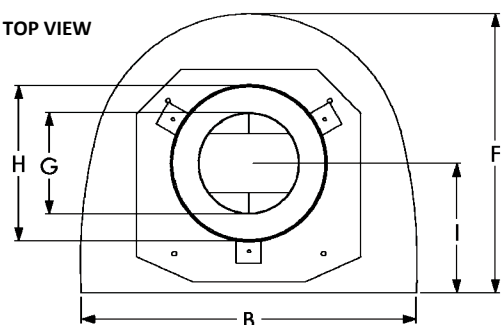
Chimney Pipe Brand: _____ Chimney Pipe Size (Inner/Outer): _____

Notes: _____

PRE-INSTALLATION REQUIREMENTS

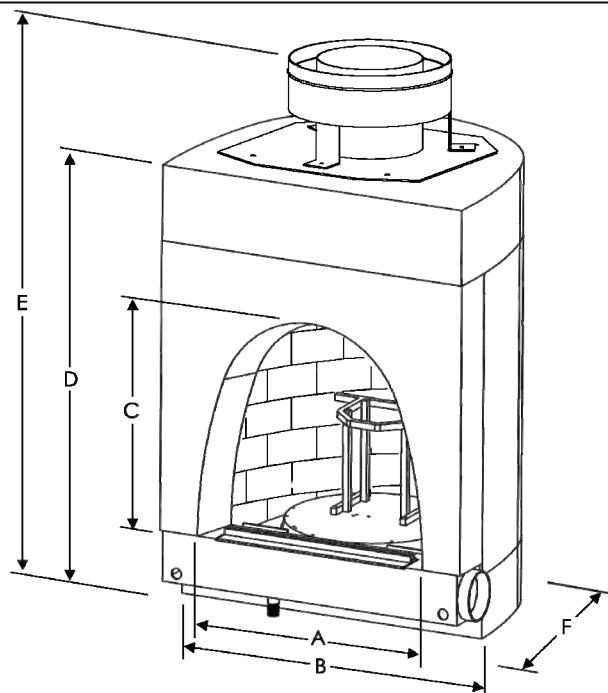
KIVA18 FIREBOX DIMENSIONS:

TOP VIEW



CLEARANCES TO COMBUSTIBLES

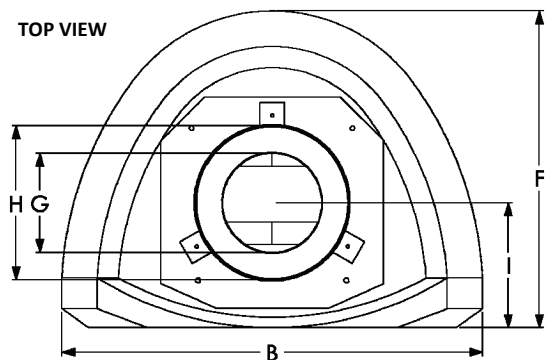
SIDES/BACK	1"
FACE	All framing along firebox face must be non-combustible
HEARTH EXTENTION	18"
CHIMNEY	2"



	A	B	C	D	E	F	G	H	I
KIVA 18	20 1/4"	27"	18 1/4"	35"	43"	22 1/2"	8"	12"	10 1/2"

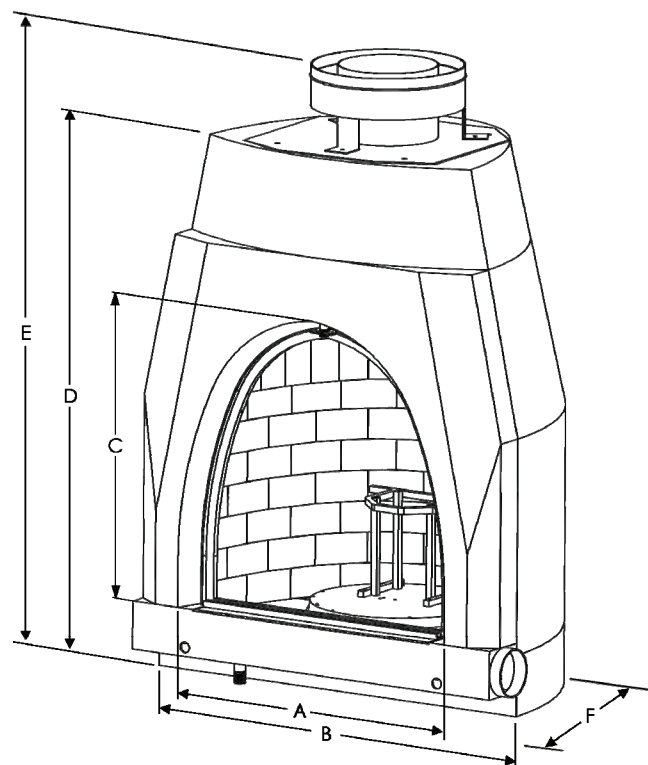
KIVA24 FIREBOX DIMENSIONS:

TOP VIEW



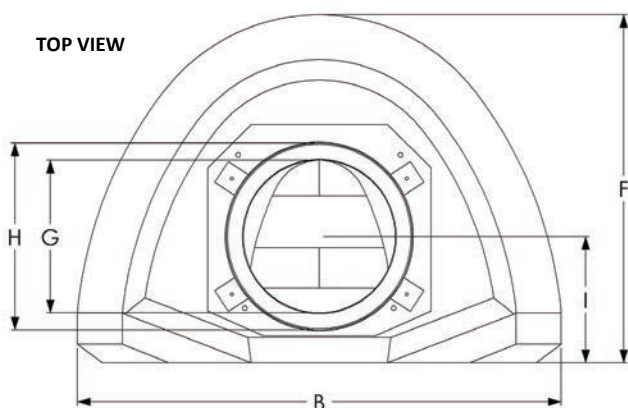
CLEARANCES TO COMBUSTIBLES

SIDES/BACK	1"
FACE	All framing along firebox face must be non-combustible
HEARTH EXTENTION	18"
CHIMNEY	2"

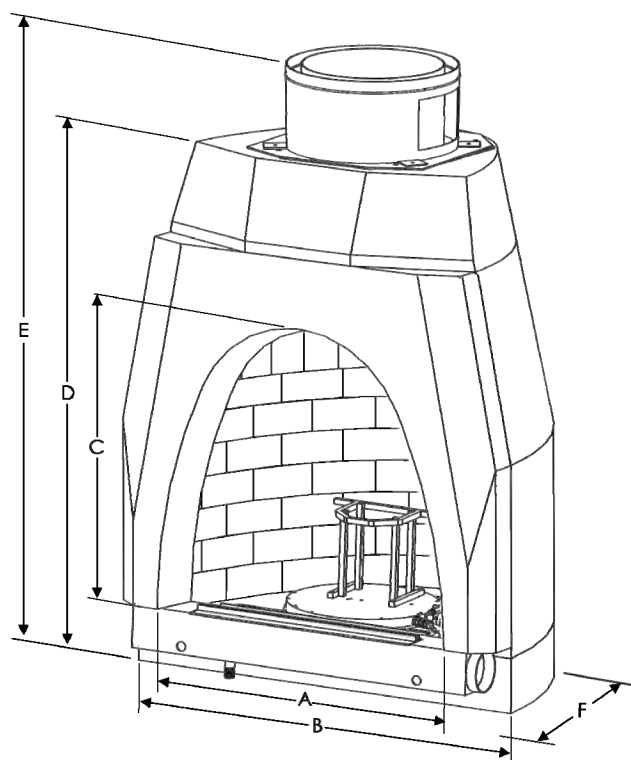


	A	B	C	D	E	F	G	H	I
KIVA 24	25 1/4"	34"	25"	44"	52"	25 1/2"	8"	12"	10 1/2"

KIVA30 FIREBOX DIMENSIONS:



CLEARANCES TO COMBUSTIBLES	
SIDES/BACK	1"
FACE	All framing along firebox face must be non-combustible
HEARTH EXTENTION	18"
CHIMNEY	2"



	A	B	C	D	E	F	G	H	I
KIVA 30	30"	40"	27 1/4"	48 1/2"	56 1/2"	28"	8" FOR GAS BURNING ONLY 10" MIN. FOR WOOD OR GAS	12" FOR GAS BURNING ONLY 15" FOR WOOD OR GAS	12 1/2"

! Fireplace installation must be in compliance with local building codes. Before installing the fireplace, consult the local construction industry to ensure that you are in compliance with all applicable codes, including permits and inspections.

! **WARNING:** THE FIREBOX MUST BE FINISHED WITH THE ADOBELITE KIVA METAL FRAME OR OTHER NON-COMBUSTIBLE MATERIALS. CLEARANCES TO COMBUSTIBLE MATERIALS AND FRAMING MUST BE MAINTAINED.

CHIMNEY REQUIREMENTS

For minimum chimney sizes and types see table below. Certified equivalents tested and listed to UL Test Procedure 103, and ULC S604 rated to 1700°F or 2100°F may also be used if minimum chimney diameter is adhered to.

	Chimney Type and Sizes		Minimum Clearance	I.D. Chase Size
KIVA 18	8" ID/12" OD Air-Cooled (IHP 8DM, Lennox TF8, Heatilator SL300)		2"	17 1/2" x 17 1/2"
KIVA 24	8" ID/12" OD Air-Cooled (IHP 8DM, Lennox TF8, Heatilator SL300)		2"	17 1/2" x 17 1/2"
KIVA 30	GAS ONLY	8" ID/12" OD Air-Cooled (IHP 8DM, Lennox TF8, Heatilator SL300)	2"	17 1/2" x 17 1/2"
	WOOD OR GAS	10" ID/15" OD Air-Cooled (IHP 12DM, Lennox TF10, Heatilator SL1100)	2"	20 1/2" x 20 1/2"

TABLE 1. chimney requirements

! **WARNING!** B-Vent Chimney should never be used when solid fuels are to be burned!

GAS REQUIREMENTS:

IMPORTANT: All gas connections and gas piping must be installed by a construction industry licensed contractor. Any permits and construction industry inspections required for installation should be obtained by this contractor.

BTU REQUIREMENTS

The Adobelite Gas Log system requires $\frac{1}{2}$ " gas supply line capable of supplying an input BTU of 48,000 for Natural Gas, and 39,700 for Liquid Propane.

KEY VALVE

Before the Adobelite firebox is installed, gas lines should be run into the area where the fireplace will be installed. A Keyed Gas Shutoff Valve is required in an accessible location within 3' of the fireplace. Use figure A, in the charts below to locate the minimum distance from the corner where the Keyed Gas Shutoff Valve can be placed to insure it will not be behind the Adobelite Frame when installed. It should also be at a minimum height of 1'8".

STUB OUT

The $\frac{1}{2}$ " gas stub out should be located at a height of 6" from the floor and a distance from the corner specified by B in the charts below. It should extend no more than 2" to 3" from the wall and be capped off until it is hooked up to the fireplace.

18" FIREBOX MODELS		
MODEL	A (min.)	B
	Key Valve / Switch	Stub Out
Ornito	3'4"	2'6"
Santa Fe	3'10"	3'0"

24" FIREBOX MODELS		
MODEL	A (min.)	B
	Key Valve / Switch	Stub Out
Orno	3'8"	2'8"
Santa Fe	4'2"	3'2"
Navajo	4'8"	3'2"
Zuni	4'8"	3'2"

30" FIREBOX MODELS		
MODEL	A (min.)	B
	Key Valve / Switch	Stub Out
Orno	4'2"	3'2"
Santa Fe	4'4"	3'4"
Navajo	4'10"	3'4"
Zuni	4'10"	3'4"

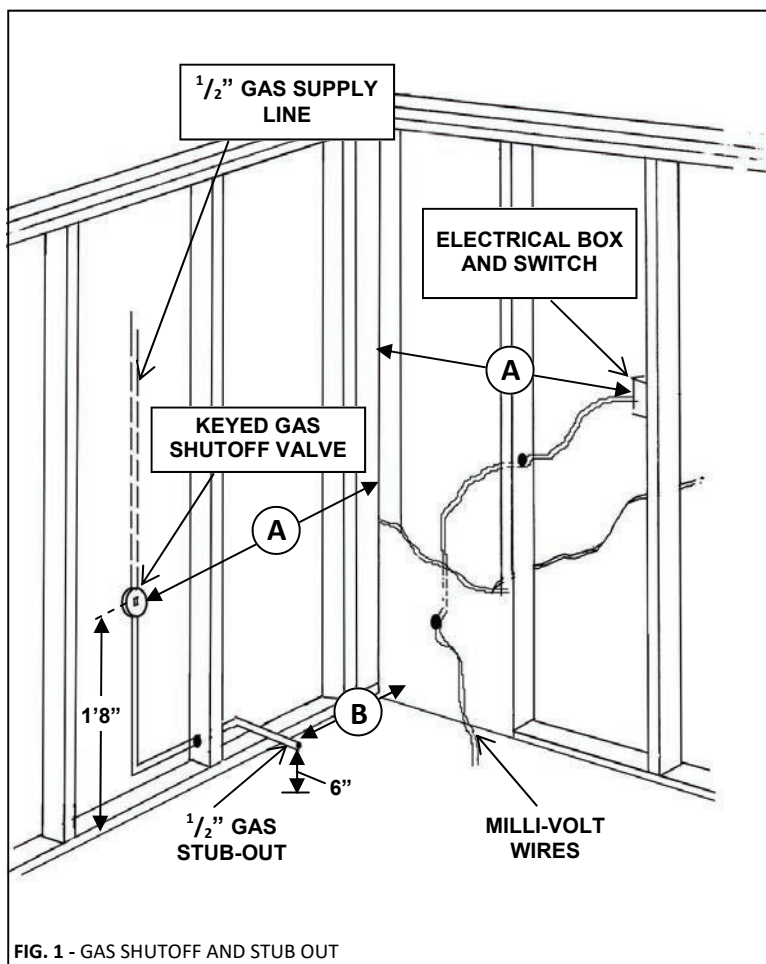


FIG. 1 - GAS SHUTOFF AND STUB OUT

ELECTRICAL REQUIREMENTS:

This fireplace comes equipped with a 3 volt electronic ignition gas control system. This system includes a two D-cell battery pack prewired to the gas system controls, which will provide reliable operation of the system even in the event of a power outage. Battery polarity must be correct or module damage will occur. An optional 3 volt AC transformer is available from Adobelite or your dealer for operation using 110V AC. The optional transformer and the included battery pack CANNOT both be hooked up to the control module at the same time or damage will occur. Remove batteries from the battery pack before connecting the optional transformer, and unplug the transformer before installing the batteries.

ELECTRICAL BOX AND SWITCH

Install an Electrical Box and Wall Switch (or remote control receiver) for fireplace control in the wall at the desired location. Refer to FIG. 1 on page 9 to locate the minimum distance from the corner that the Switch should be located. DO NOT CONNECT 110V AC to the wall switch. This wall switch will connect to the low-voltage 20AWG of the gas system. 8 Feet of 20 AWG Milli-volt wire is included prewired to the gas system controls, which is to be connected to the switch terminals.

WARNING: LOW VOLTAGE AND 110 VAC VOLTAGE CANNOT SHARE THE SAME ELECTRICAL BOX

LAYOUT (FIG. 4, FIG. 5)

CARPET

Carpet and padding will need to be removed up to the hearth line. See FIG. 4 and FIG. 5 below.

Begin the layout by drawing a center line at 45 degrees for a corner installation, or perpendicular to the wall for a flat-wall installation. Next, draw the baseline (dimension D - refer to FIG. 4 below and FIG. 5 on page 11) perpendicular to the center line. The base line will be aligned with the front edge of the Firebox Base and the Firebox Pedestal.

CORNER LAYOUT

18" FIREBOX MODELS				
MODEL	A	B	C	D
	Frame at Ceiling	Frame at Hearth	Hearth	Baseline
Ornito	2'0"	2'10"	4'1"	2'4"
Santa Fe	2'0"	3'3"	4'6"	2'4"

24" FIREBOX MODELS				
MODEL	A	B	C	D
	Frame at Ceiling	Frame at Hearth	Hearth	Baseline
Orno	2'2"	3'2"	4'6"	2'5"
Santa Fe	2'0"	3'3"	4'7"	2'5"
Navajo	2'0"	3'9"	4'7"	2'5"
Zuni	2'0"	4'0"	5'4"	2'5"

30" FIREBOX MODELS				
MODEL	A	B	C	D
	Frame at Ceiling	Frame at Hearth	Hearth	Baseline
Orno	2'6"	3'6"	4'10"	2'9"
Santa Fe	2'5"	3'8"	5'0"	2'9"
Navajo	2'5"	4'2"	5'0"	2'9"
Zuni	2'5"	4'2"	5'6"	2'9"

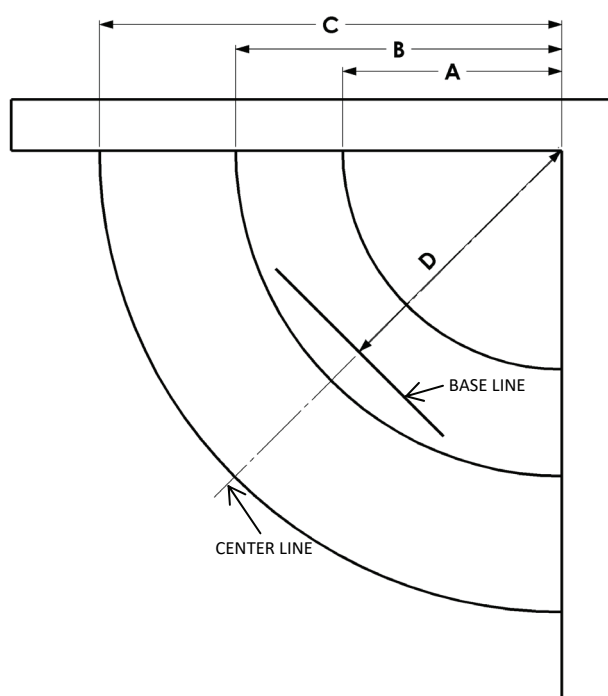


FIG. 4 - CORNER LAYOUT

FIREBOX PEDESTAL:

Standard Hearth Height of 18"

(Note: Concrete Blocks are not included with the Adobelite Fireplace Kit and must be purchased separately)

Concrete Masonry Units (C.M.U) are used to construct the Firebox Pedestal. The overall height of the pedestal should be 12". A combination of two 8"x8"x16" and two 4"x8"x16" CMU can be stacked (as shown in FIG 6), or any other combination of concrete blocks can also be used as long as the overall height is 12".

- 1) Two columns of CMU's should be positioned with the front edge of the blocks against the Firebox Base Line. Refer to Block Spacing dimension (H) in positioning the width of the block pedestal. The blocks should be equally spaced from the center line.

- 2) Adhere the concrete blocks to each other and to the concrete slab as they are assembled using mortar or a construction adhesive such as Liquid Nails or F26.

For Hearth Height below 18"

Concrete Floor

When working on a concrete floor, the base section (shown in step 1, page 12) can be set directly on the floor if desired, for a 5" hearth height.

Wood Floor

The hearth height can also be lowered to 11" for a wood floor. If you plan to lower the firebox pedestal lower than 8", you must use a heat barrier consisting of: 1) a layer of 1 1/4" thick split firebrick, 2) a 16 gauge steel barrier (the same size as the base, and 3) another layer of 1 1/4" firebrick. The steel barrier should be sandwiched in-between the firebrick. *Only adjust the base pedestal height if:* 1) you ordered a custom frame at that height, or 2) you feel comfortable performing the necessary modifications to the frame.



WARNING: ONLY NON-COMBUSTIBLE MATERIAL MAY BE USED FOR THE FIREBOX PEDESTAL!

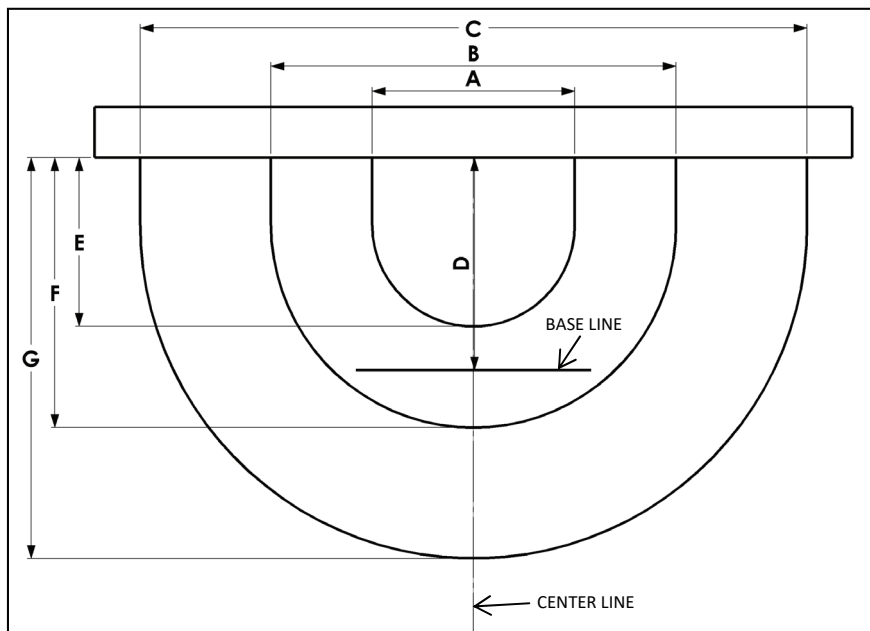


FIG. 5 - FLAT-WALL LAYOUT

24" FIREBOX MODELS							
MODEL	A	B	C	D	E	F	G
	Width at Ceiling	Width at Firebox	Width of Hearth	Baseline	Depth at Ceiling	Depth at Firebox	Depth of Hearth
Orno	2'0"	4'0"	6'7"	1'11"	1'8"	2'8"	4'0"
Santa Fe	1'6"	4'0"	6'7"	1'11"	1'5"	2'8"	4'0"
Navajo	1'6"	5'0"	6'7"	1'11"	1'5"	2'8"	4'0"
Zuni	1'6"	5'0"	7'7"	1'11"	1'5"	3'3"	4'6"

30" FIREBOX MODELS							
MODEL	A	B	C	D	E	F	G
	Width at Ceiling	Width at Firebox	Width of Hearth	Baseline	Depth at Ceiling	Depth at Firebox	Depth of Hearth
Orno	2'8"	5'0"	7'5"	2'1"	2'0"	3'0"	4'4"
Santa Fe	2'2"	5'0"	7'5"	2'1"	1'9"	3'0"	4'4"
Navajo	2'2"	6'0"	7'5"	2'1"	1'9"	3'0"	4'4"
Zuni	2'2"	6'0"	8'5"	2'1"	1'9"	3'6"	4'10"

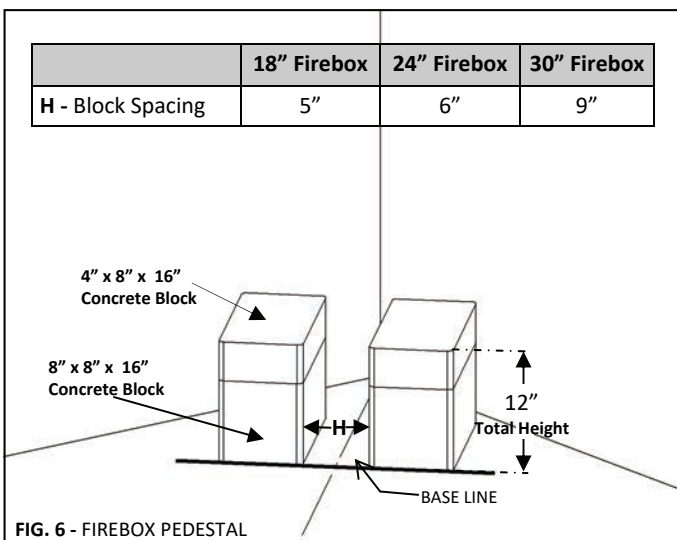
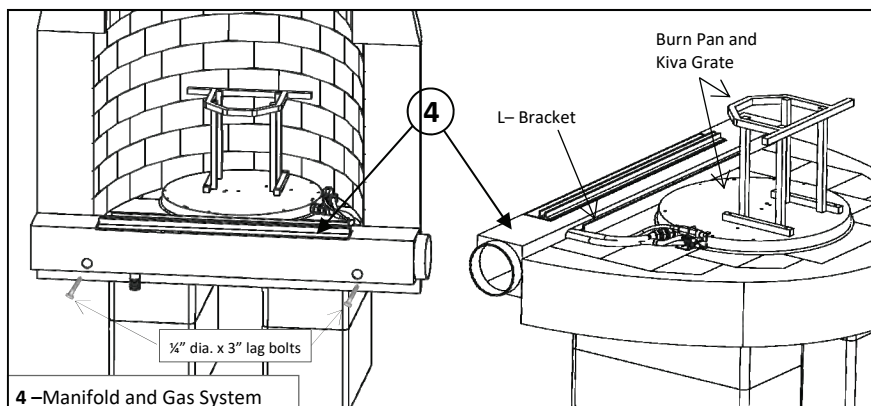
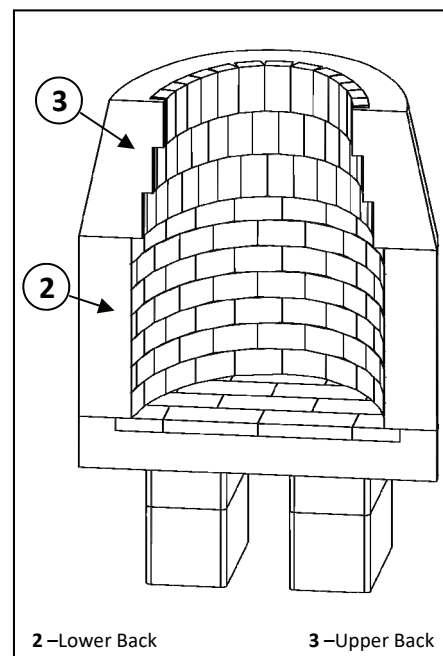
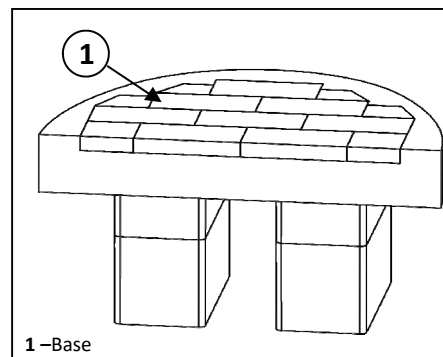
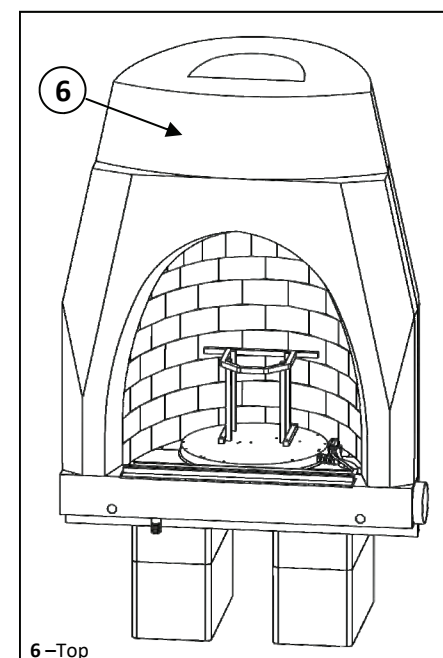
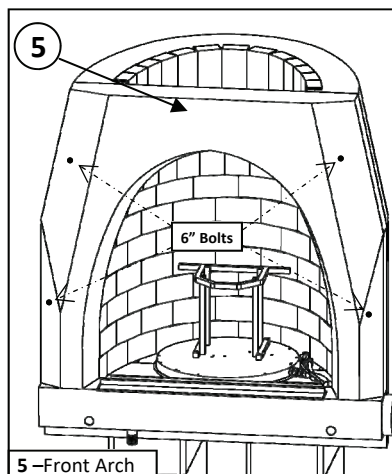


FIG. 6 - FIREBOX PEDESTAL

- 1) **BASE** –Spread a thin layer of concrete mortar or construction adhesive on the top of the firebox pedestal. Place the firebox base on the pedestal. Using the layout sketch, align the front of the base with the firebox base line and center the firebox along the center line. Make sure the Base is level.
- 2) **LOWER BACK** –Apply a 5" wide thin layer of the included refractory mortar to the outside top edge of the base where the Lower Back will rest. Place the Lower Back in place and rotate the piece slightly back and forth to squish the mortar into place. Align the back and sides of the Lower Back and Base.
- 3) **UPPER BACK (MODELS KIVA24 AND KIVA30 ONLY)** – Following the above procedure, spread a layer of refractory mortar and place the Upper Back section on top of the Lower Back. Again, align the back and sides of the pieces.
- 4) **MANIFOLD AND GAS SYSTEM** – Apply a 1" wide layer of refractory mortar to the upper face of the fireplace base. Position the Manifold so that the face of the Manifold is against the face of the base, and the L-Bracket (that supplies combustion air) is resting on the firebrick surface of the Base. The Burn Pan and Kiva Grate will rest on the Base towards the back. Using the supplied $\frac{1}{4}$ " x 3" lag bolts, bolt the manifold to the Base. The heads of the bolts will pass through the face of the manifold and tighten against the back of the manifold. *Do Not Over-tighten the Bolts!* Using your finger, apply refractory mortar to all the seams where the manifold touches the Base.



- 5) **FRONT ARCH** –Apply refractory mortar to the front edges of the Lower and Upper Back pieces and to the top of the Front Arch section. Place the Front Arch into place and attach using four $\frac{1}{4}$ " x 6" Lag Bolts. Avoid placing any weight onto the Manifold before the bolts are attached.
- 6) **TOP** –Now install the top section of the fireplace. Again, spread a thin layer of refractory mortar where the pieces will meet, and align the back and sides of the pieces.

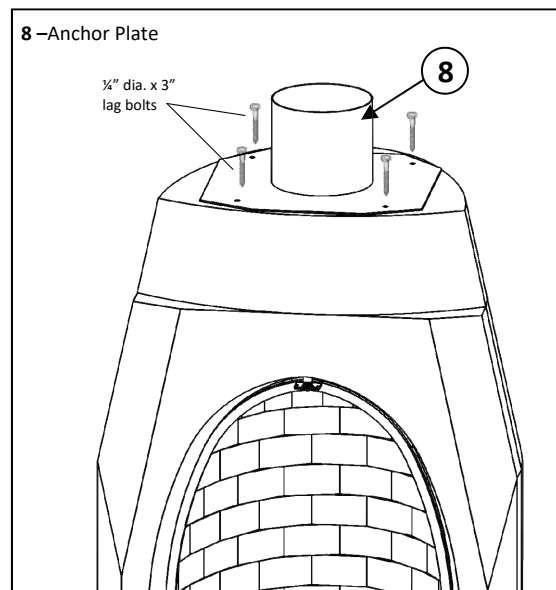
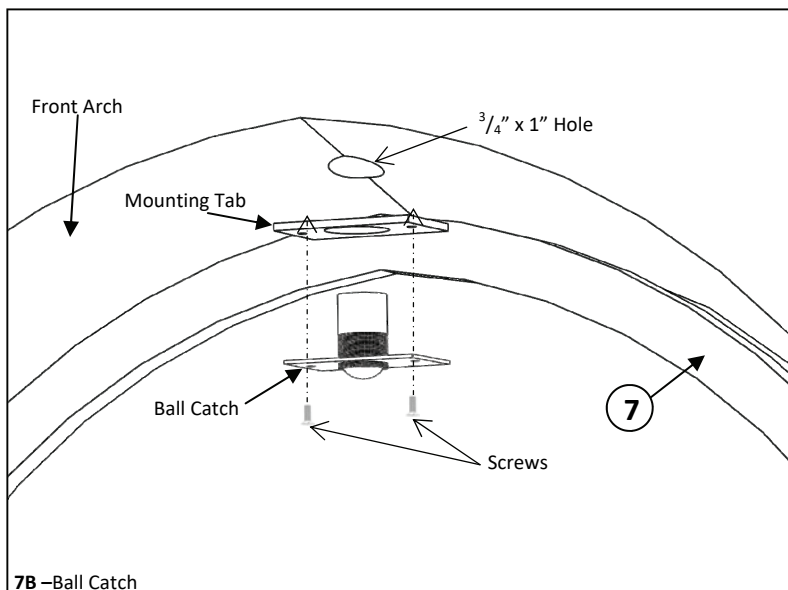
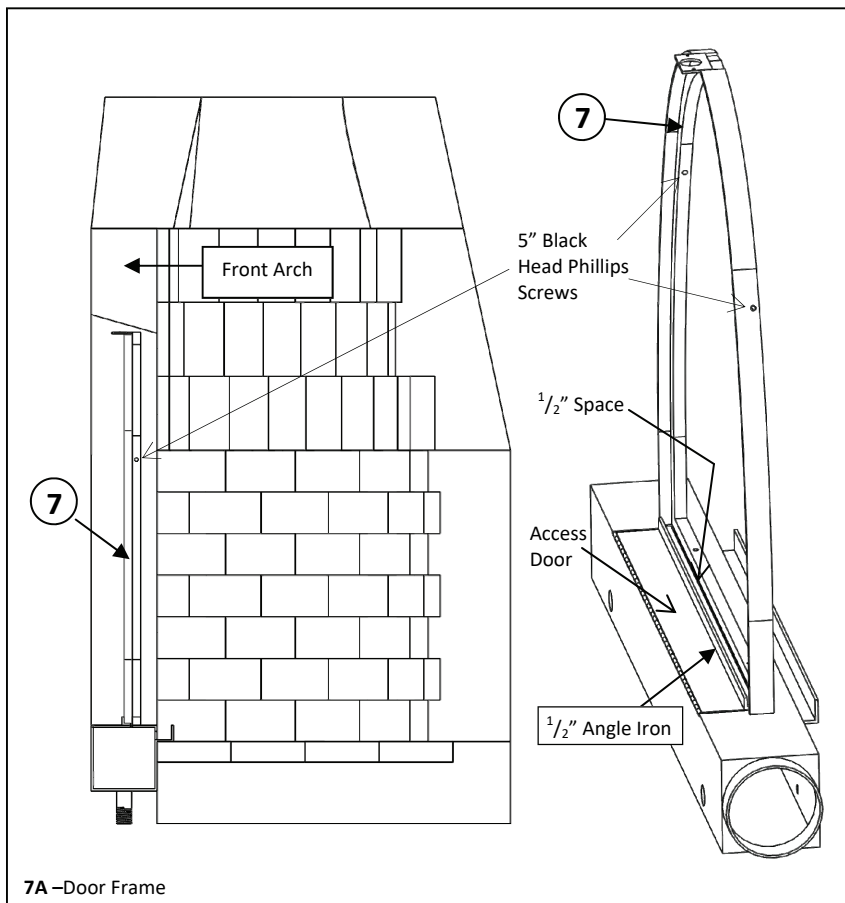


FIREBOX ASSEMBLY (CONTINUED):

7) DOOR FRAME – The Door Frame allows an Adobelite Screen Door or Glass Door to be used with the fire-place. Begin by attaching the Door Frame to the Manifold. Position the Door Frame on top of the Manifold and allow a $\frac{1}{2}$ " space between the $\frac{1}{2}$ " Angle Iron on the top of the Access Door and the Door Frame. Use two $1\frac{1}{4}$ " x #8 self drilling (black head) screws to secure the Door Frame to the Manifold.

Plumb the Door Frame vertically, then secure the Door Frame to the Front Arch using two 5" (black head) wood screws.

Finally, the Ball Catch (FIG. 7B) needs to be installed to the door frame. Begin by drilling a 1" deep x $\frac{3}{4}$ " dia. hole through the mounting tab and into the Front Arch. Slide the Ball Catch up into the hole and secure it to the mounting tab on the Door Frame with the two provided brass screws.



8) ANCHOR PLATE– Apply a thin layer of refractory mortar to the top of firebox where the Anchor Plate will sit. Align the back edge of the Anchor Plate opening with opening in the firebox top section. Secure the Anchor Plate using four $\frac{1}{4}$ " dia. x 3" long lag bolts.

WARNING: A MINIMUM OF 2" AIR CLEARANCE MUST BE MAINTAINED BETWEEN ALL CHIMNEY COMPONENTS AND COMBUSTIBLE MATERIALS. ALL INSTRUCTIONS PROVIDED BY CHIMNEY MANUFACTURERS MUST BE STRICTLY ADHERED TO. FAILURE TO PROPERLY FOLLOW ALL CLEARANCES AND INSTRUCTIONS MAY RESULT IN A SERIOUS FIRE CAUSING INJURY OR DEATH!

CHIMNEY OFFSET

An offset and return elbow set is required for installation. Each elbow set will contain an offset (or starter) elbow, and a return elbow. The return elbow, which will be used last (step 12), has straps attached to it that are attached to the walls in order to support the chimney.

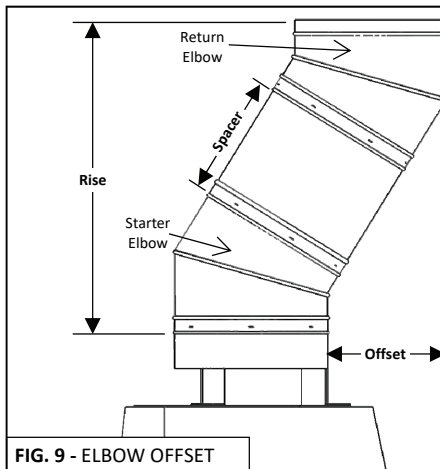


FIG. 9 - ELBOW OFFSET

KIVA 18 and KIVA 24 (8" I.D. Chimney)		
Spacer Length	Offset	Rise
0" (Elbows Only)	3"	11"
12"	8 1/4"	20"
18"	11 1/4"	25 1/4"
24"	13 1/2"	29 1/4"
30"	16 1/2"	34 1/4"

KIVA 30 (10" or 12" I.D. Chimney)		
Spacer Length	Offset	Rise
0" (Elbows Only)	4 3/8"	16 3/8"
12"	9 3/4"	25 1/2"
18"	12 3/4"	30 3/4"
24"	15"	34 3/4"
30"	18"	40"

CHIMNEY INSTALLATION

Each double wall chimney section consists of an inner and outer flue pipe. The two sections of chimney pipe are not attached to each other, and therefore must be installed individually. As the flue sections are assembled, the inner flue section will slip to the inside of the section below. The outer section of pipe will slide over the hemmed edge of the section below.

When installed properly, the chimney sections will "snap" into place, securely locking the two pieces together. If the chimney is pulled upward it will not separate from the pipe below if it is properly locked. Check both the inner and outer sections of chimney when assembling the flue. Screws are not necessary to keep the chimney sections together.

10) STARTER ELBOW (INNER) – Begin the chimney installation by inserting the hemmed edge of the inner starter elbow inside the collar of the Anchor Plate. The inner chimney pipe slips into the inside of the Anchor Plate collar so that any soot buildup will fall into the firebox.

Align the inner Starter Elbow so that it points directly back away from the Firebox face. Secure the inner Starter Elbow to the Anchor Plate collar by using four #12 x 3/4" self drilling hex head screws.

11) STARTER COLLAR – The Starter Collar is used to support the outer chimney section, while the Anchor Plate collar supports the inner chimney. Attach the legs of the Starter Collar to the Anchor Plate with the supplied #12 x 3/4" self drilling hex head screws.

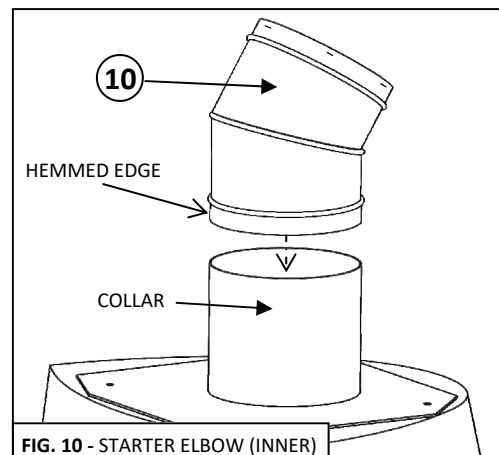


FIG. 10 - STARTER ELBOW (INNER)

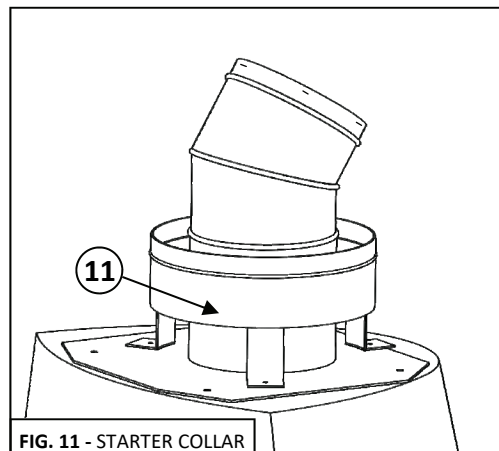
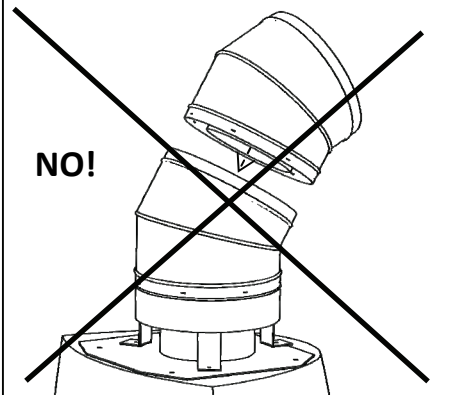


FIG. 11 - STARTER COLLAR

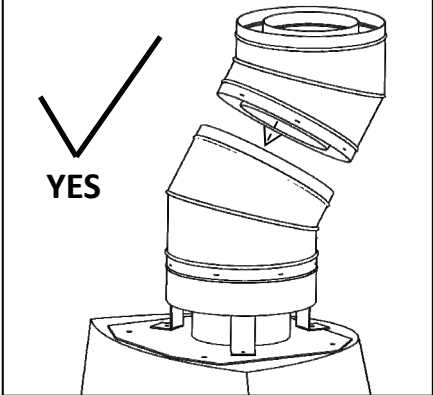
WARNING: THE OPENINGS IN THE STARTER COLLAR AND THE AIR SPACE BETWEEN THE FLUE SECTIONS MUST NOT BE OBSTRUCTED. NEVER USE BLOWN INSULATION TO FILL THE CHIMNEY.

CHIMNEY INSTALLATION (CONTINUED):

WARNING: CHIMNEY ELBOWS MUST NOT EXCEED 30 DEGREES FROM VERTICAL. DO NOT PLACE TWO (OR MORE) 30 DEGREE ELBOWS TOGETHER TO CREATE AN ANGLE GREATER THAN 30 DEGREES!



NO!



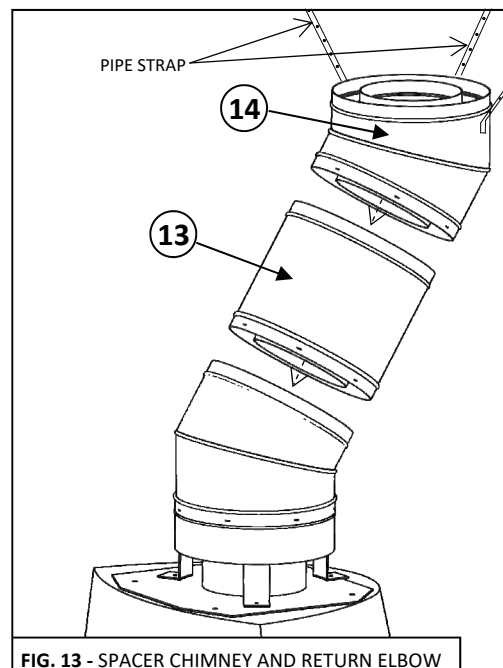
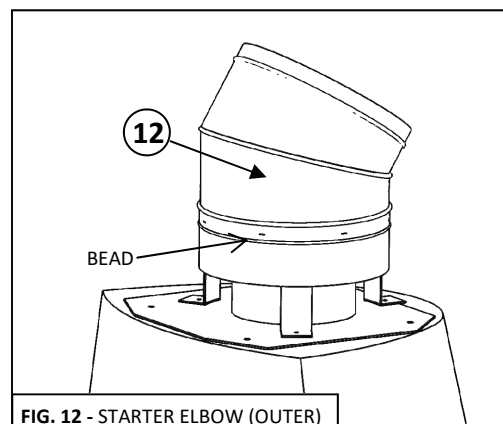
YES

12) STARTER ELBOW (OUTER) – Now, position the outer Starter Elbow into place around the inner Elbow. Slide the outer Elbow to the outside of the Starter Collar and slide it down over the hemmed edge of the Starter Collar until it is in contact with the bead.

13) SPACER CHIMNEY SECTION – Typically a 12” length of chimney pipe is used between the Starter Elbow and Return Elbow. Refer to Offset and Rise chart on Page 14 (FIG. 9) for offset and rise dimensions of other spacer lengths.

Make sure the chimney will be offset far enough to clear the top portion of the Adobelite Kiva Frame (refer to dimensions A and E in Layout charts, Pages 10-11). Firmly push both the inner and outer pipes into the Starter Elbow until they “snap” lock into place.

14) RETURN ELBOW – Position the Return Elbow so that the chimney pipe is returned to a vertical position. Again, firmly press the pipes into place locking the connections. Attach the Return Elbow pipe straps to the walls. The straps should be screwed into studs in the walls to provide support for the straight chimney sections that will be installed next.



CHIMNEY INSTALLATION (CONTINUED):

15) STRAIGHT CHIMNEY SECTIONS – Before running the straight chimney through the roof, slide the Firestop Spacer (shown in FIG. 16) over the Return Elbow. Now, snap the remaining Straight Chimney sections into place.

If the chimney is 30' or higher, a support section (a 4-strap x 12" length of pipe) is required after a straight chimney section above the fireplace run, or above a Return Elbow. The support section will support the increased weight of the chimney.

10-FOOT RULE

All chimney terminations must extend at least 3' above the highest point where it passes through the roof and must be 2' above the peak of the roof or any other building structure within a horizontal distance of 10'.

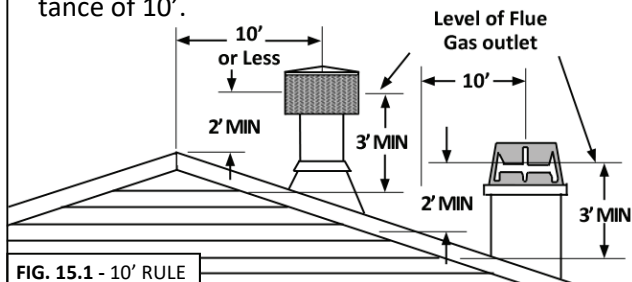


FIG. 15.1 - 10' RULE

16) FIRESTOP SPACERS – Firestop Spacers are required at each point where the chimney penetrates a floor or ceiling joist space. Attach Firestop Spacer to joist using wood screws.

If the chimney pipe passes through a framed opening into an attic space, the Firestop must be placed in the attic floor. When the pipe passes through a framed opening into living space above, the Firestop must be placed onto the ceiling from below.

Refer to local building codes and restrictions for variations in Firestop spacer requirements.

17) CHIMNEY ROOF FLASHING – A flat Chimney Roof Flashing is used for flat roofs and chimney chases. For pitched roofs a pitched flashing is used. Slide the Chimney Roof Flashing down over the last section of straight chimney penetrating the roof or chase and attach to roof.

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.

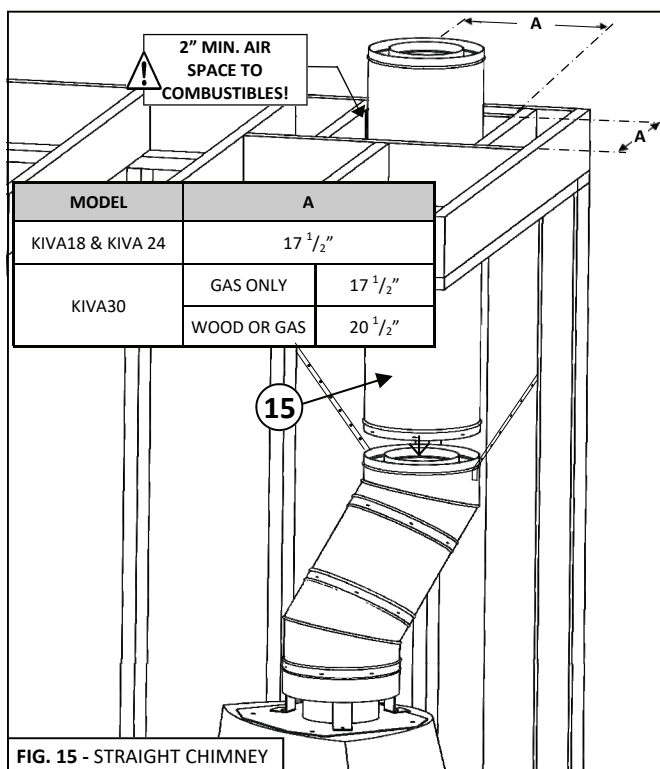


FIG. 15 - STRAIGHT CHIMNEY

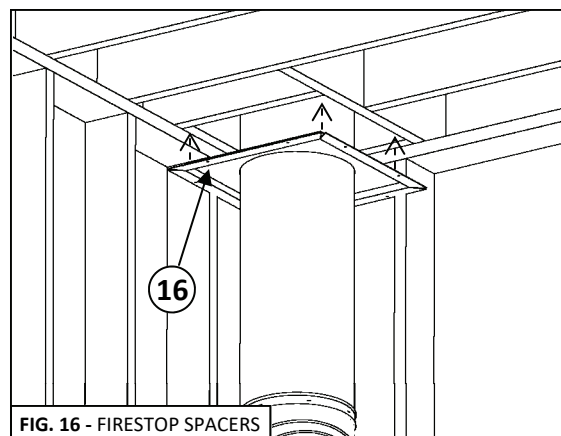


FIG. 16 - FIRESTOP SPACERS

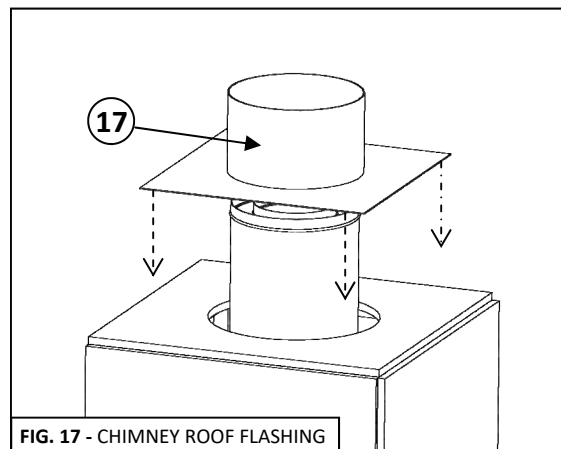


FIG. 17 - CHIMNEY ROOF FLASHING

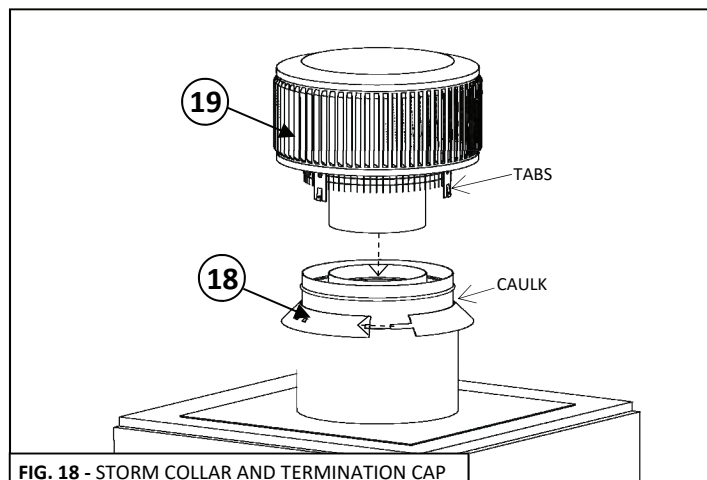


WARNING: DO NOT SEAL VENTILATION OPENINGS ON THE ROOF FLASHING!

CHIMNEY INSTALLATION (CONTINUED):

18) STORM COLLAR – Slide the Storm Collar down around the outside chimney pipe, just above the Roof Flashing, and tighten. Seal the Storm Collar against the chimney pipe with a weather proof caulk.

19) TERMINATION CAP – Finally, slide the inside chimney of the Termination Cap to the inside of the straight chimney sections and secure the tabs to the outside chimney pipe with screws. Do not pierce the inner chimney pipe with the screws.



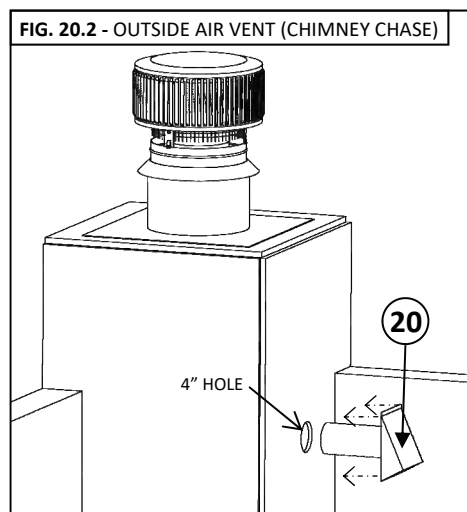
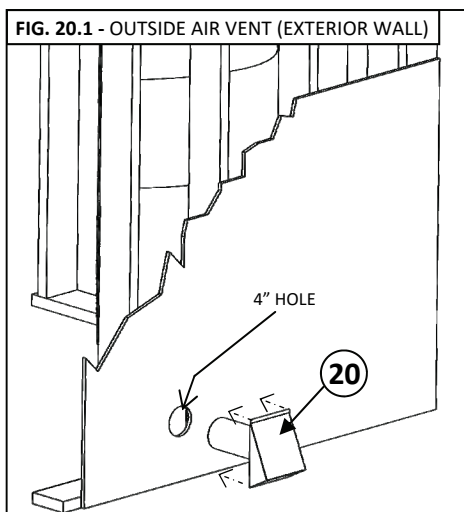
OUTSIDE AIR KIT INSTALLATION:



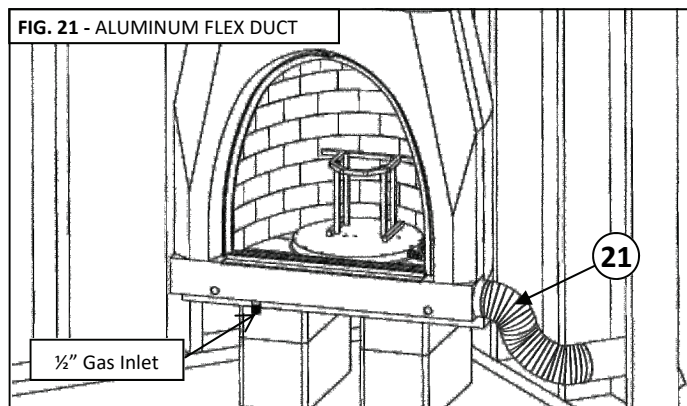
WARNING: FOR PROPER OPERATION THIS FIREPLACE REQUIRES THE OUTSIDE AIR KIT TO BE INSTALLED.

The Outside Air Kit is used to provide outside combustion air to the firebox, therefore not using air from the interior of the house, as well as cooling the gas control system.

20) OUTSIDE AIR VENT – If the fireplace is located against an exterior wall (FIG 20.1), use a hole saw to cut a hole completely through the exterior wall. Use the layout charts (Pages 10-11) to make sure that the Adobelite Kiva Frame will cover the hole and Outside Air Vent. The center of the hole should be located about 8" from the bottom of the wall. If the fireplace is not located on an exterior wall, the outside air can be brought down from the roof or chimney chase (FIG 20.2). Cut a 4" hole located on a vertical face of the chimney chase and attach the Outside Air Vent.



21) ALUMINUM FLEX DUCT – Connect the 4" Aluminum Flex Duct to the Outside Air Vent and to the circular open end of the Manifold. Use Metal Tape to secure the ends.



GAS SYSTEM CONNECTIONS:

IMPORTANT: All gas connections and gas piping must be installed by a construction industry licensed plumber or gas fitter qualified to install gas appliances. Check all gas connections for leaks. It is possible that connection may have loosened during transport!

WARNING: IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE

22) ATTACHING BURNER PAN

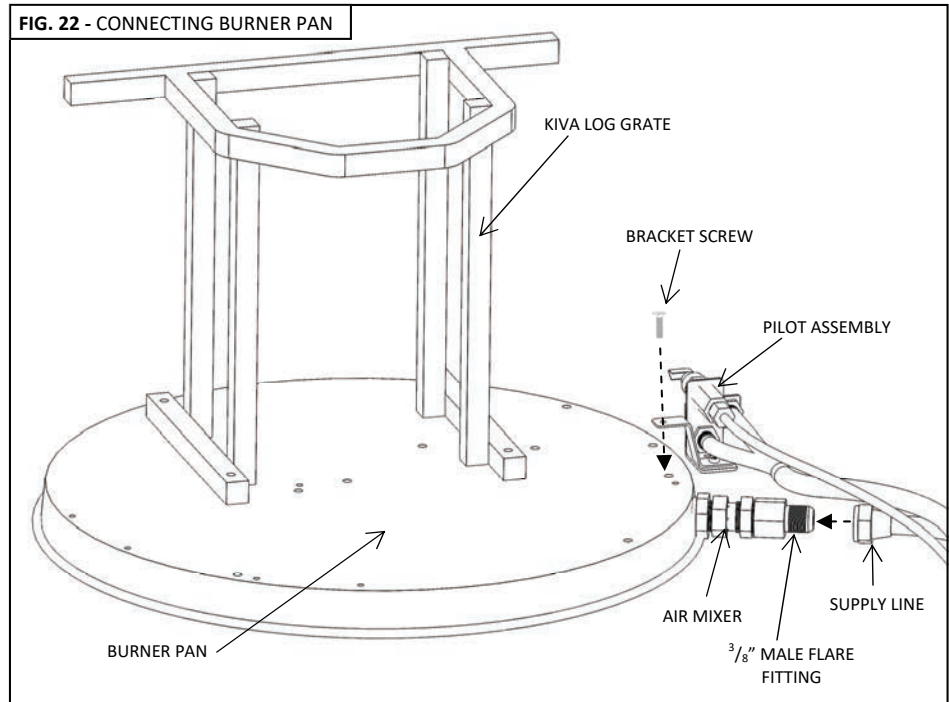
AND PILOT – Screw the female flare fitting on the end of the supply line onto the $\frac{3}{8}$ " male flare fitting attached to the Burner Pan. Tighten compression fitting.

Next, use the bracket screw to attach the Pilot Assembly to the Burner Pan (see FIG. 22).

23) CONNECT GAS SUPPLY—

Connect the $\frac{1}{2}$ " gas inlet on manifold (see FIG. 21) to the keyed gas shutoff valve and test all fittings for any gas leaks using a soap and water mixture of 50% soap and 50% water. Do not use an open flame to check for gas leaks.

FIG. 22 - CONNECTING BURNER PAN



ELECTRICAL CONNECTIONS:

Connect the brown 20 AWG wires that exit the left end of the manifold to the wall switch or remote control receiver (see Page 10 for specifications). Excess wire should be removed for best operation.

KIVA FRAME INSTALLATION:

WARNING: Use care and wear gloves when handling the frame and diamond lath pieces. Cut edges of the diamond lath mesh are very sharp!

WARNING: THE FIREBOX MUST BE FINISHED WITH THE ADOBELITE KIVA METAL FRAME OR OTHER NON-COMBUSTIBLE MATERIALS. CLEARANCES TO COMBUSTIBLE MATERIALS AND FRAMING MUST BE MAINTAINED.

ATTACH LATH TO MANIFOLD (FIG. 23)

Before placing the Kiva frame around the firebox, Lath needs to be attached to the front of the manifold.

Cut a strip of lath 24" x 27". Fold the 24" side in half and place a sharp crease at the bend. Open the piece up and place the bent edge 1" down from the top of the manifold. Using the #6 x 1/2" self drilling phillips washer head screws, attach the lath every 3". Finally bend the bottom section of the lath up to meet the top section so they can both pass through the opening of the Kiva frame.

ATTACH LATH FROM FIREBOX TO FRAME (FIG. 24)

Begin by placing the Kiva Frame into position in front of the Firebox. Measure from the frame to the corner or flatwall to make sure the frame equal distance on both sides. Bring the folded lath that was attached to the Manifold (FIG. 23) through the opening in the Kiva Frame. Attach the folded section of lath to the Kiva Frame using #6 x 1/2" Hex Head Self-Drilling Screws. Any loose sections of lath can also be attached by fishing bailing wire through the pieces and tightening.

Next, cut several strips of diamond lath mesh 16" wide. Place the lath strips against the inside Front Arch even with the Door Frame (FIG. 24). Using 1 5/8" washer head screws, attach the lath to the Front Arch every 4". Cut strips in the opening lath from the outside edge up to the opening bar. Fold the strips back onto the frame. Attach the lath strips to the frame using #6 x 1/2" self drilling hex head screws, or with bailing wire.

ATTACH KIVA FRAME TO WALLS AND CEILING

Using #8x 1 5/8" Phillips washer head pointed screws, attach the lath from the frame to the walls and the ceiling (FIG. 25). Screws should attach the lath about every 4". Some of the screws will only go into the sheetrock and not the studs. Fold the lath back onto the Kiva Frame and attach to the metal tubing using self drilling screws, or tie the lath down with bailing wire so that it is secure. Any gaps in the lath can be filled in with by cutting strips of lath and attaching to the Kiva Frame and walls / ceiling.

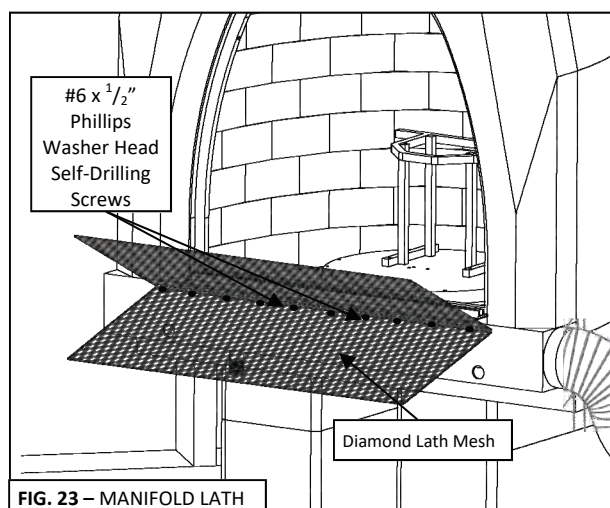


FIG. 23 – MANIFOLD LATH

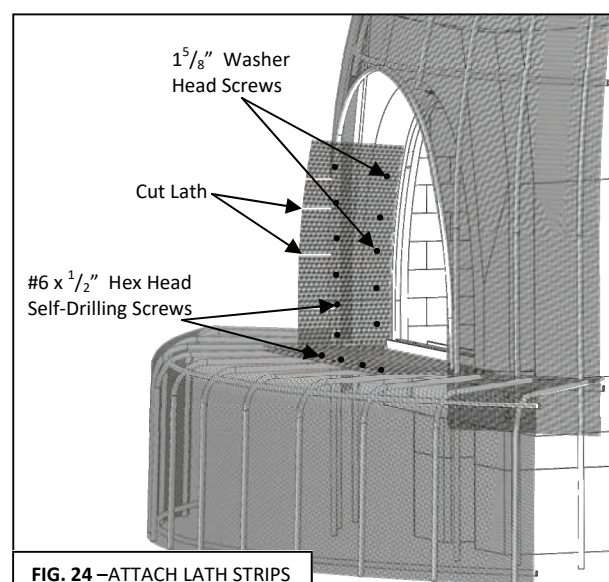


FIG. 24 – ATTACH LATH STRIPS

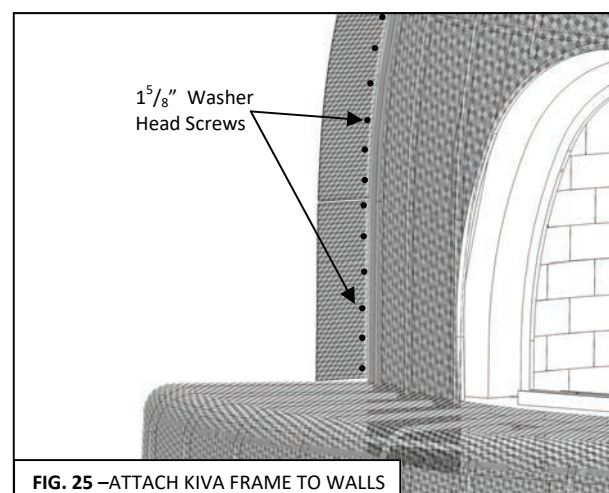


FIG. 25 – ATTACH KIVA FRAME TO WALLS

3-COAT PLASTER FINISH

The Adobelite fireplace can be finished with any indoor plaster system. Typically a 3-coat gypsum plaster system is used. The first coat (base coat) should contain fiberglass and sand. This will provide a solid base for the other coats. The first coat can be mixed slightly on the dry side to help it bond to the Kiva Frame wire mesh. Allow the first coat to dry completely before applying the 2nd coat.

The 2nd coat should contain fiberglass, and may or may not contain sand and cement. Many indoor plasters are gypsum based. Apply the 2nd coat using a trowel, and then smooth out the plaster using water and a float (or sponge). When complete the 2nd coat will be fairly smooth but will have a “grainy” of stucco finish.

Allow one full week or more for the first two coats to completely dry before applying the final coat of plaster. The final coat does not generally contain fiberglass and is applied with a hard trowel to give a smooth appearance, but can be also be finished any way desired.

Recommended Base Coat and 2nd Coat Products

Manufacturer	Product	Website
USG	Red Top Wood Fiber Gypsum Plaster*	http://www.usg.com/red-top-wood-fiber-gypsum-plaster.html
USG	Structo-Lite Fibered Basecoat Plaster	http://www.usg.com/usg-structo-lite-basecoat-plaster.html

* Wood Fiber Gypsum Plaster should be mixed with sand at a 1 to 1 ratio for maximum strength. Refer to manufacturer’s instructions.

Recommended Finish Coat Products

Manufacturer	Product	Website
USG	Diamond Veneer Finish	http://www.usg.com/diamond-veneer-finish.html?intcmp=PS31
USG	Red Top Finish Plaster	http://www.usg.com/red-top-finish-plaster.html

Approximate Surface Area

Adobelite Frame Style	Surface Area (sq. ft)
Orno / Ornito	62
Santa Fe	66
Navajo	77
Zuni	86

SEALING THE PLASTER

The plaster can be sealed which will help keep the plaster from discoloring, and also make the fireplace easier to clean. Many types of sealers are available, such as: wax sealers, which will give the plaster a shiny (almost wet look), and masonry and grout sealers, which are available in matte and gloss finishes. Check with your plaster supplier for options.

PAINTING THE PLASTER

Once the plaster is completely dry, the fireplace can be painted if desired. Adobelite recommends using a latex based primer and paint. If the fireplace has been burned in, clean any soot buildup along the opening of the fireplace using a mild dish detergent and water before painting.

CERAMIC LOG INSTALLATION

LAVA ROCK

Spread the supplied lava rock onto the bottom of the firebox. The lava rock should form an even layer across the base covering all the wires and tubing to the burn pan, but not the burn pan itself.

GLOWING EMBERS

Tear the supplied Glowing Embers into dime sized pieces. Place the pieces all around the burner holes on top of the burner pan making sure not to cover the burn holes where the gas will come out of. See FIG 26.

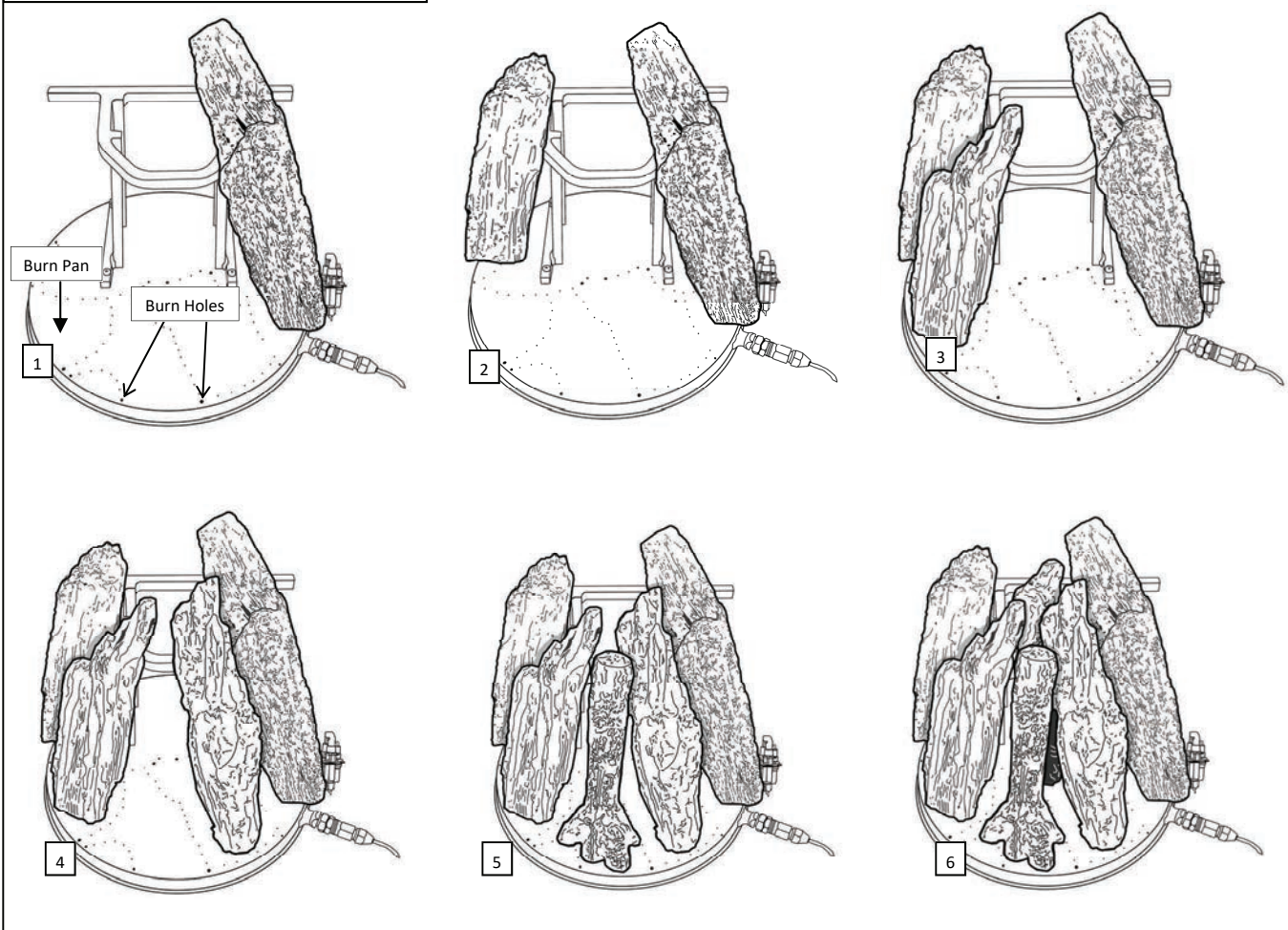


FIG. 26 - GLOWING EMBERS

LOG PLACEMENT

Refer to figures below for proper placement of Ceramic Logs. The logs should sit in-between the large burn holes of the Burn Pan. See FIG 27.

FIG. 27 - CERAMIC LOG PLACEMENT



OPERATING THE FIREPLACE

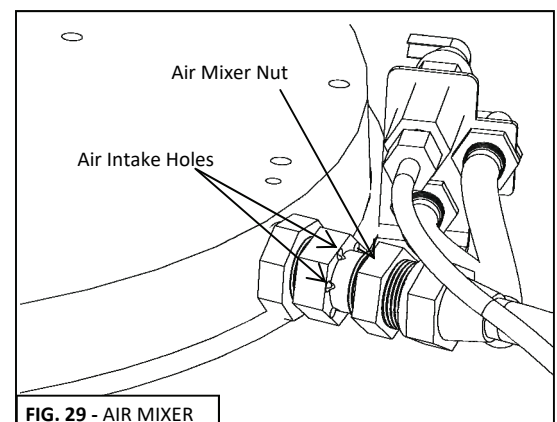
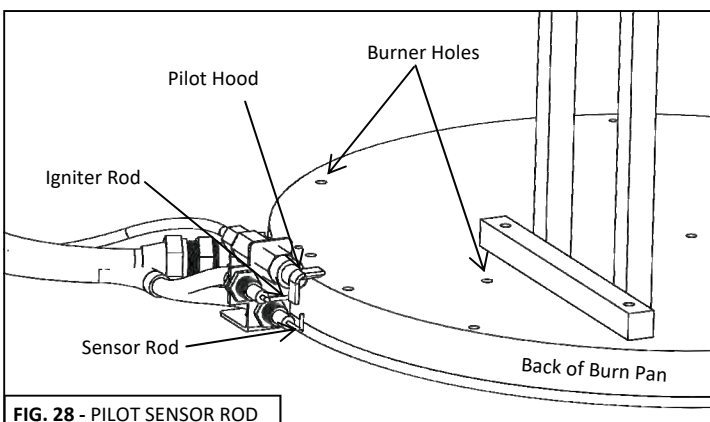
IMPORTANT: WHAT TO DO IF YOU SMELL GAS. 1) Shut off gas to fireplace. 2) Extinguish and flame. 3) Go to a phone outside your home and call your gas supplier. If you can't reach your gas supplier, call the Fire Department.

The Adobelite Gas Fireplace uses an electronic/intermittent pilot system. When the wall switch is flipped to the on position, the control system sends a spark and ignites the pilot light. Once the heat sensing rod at the pilot heats up, the main burner turns on and ignites. When the wall switch is turned off both the main burner and pilot light will turn off.

1. Fully open the Keyed Gas Shutoff Valve located on the wall (shown on Page 9).
2. Flip the Wall Switch to the "on" position.
 - You may hear a "clicking" sound as the igniter lights the pilot flame. If this is the first time operating the fireplace it may take several seconds for the air in the gas line to bleed out before the pilot ignites.
3. When done using the fireplace, flip the wall switch to the "off" position. It is not necessary to close the Keyed Gas Shutoff Valve when you are not using the fireplace.

TROUBLE SHOOTING

SYMPTOMS	POSSIBLE CAUSE	SOLUTION
Pilot does not make a "clicking" sound, and will not ignite	Batteries need replacing	Replace 2—D cell Batteries located in access door (See FIG 7A, pg. 13)
	Wall switch faulty	Check wall switch
Pilot makes a "clicking sound, but won't ignite	Air trapped in gas line	Bleed Gas Lines
	Keyed Gas Valve Closed	Open Keyed Gas Valve
Fireplace will ignite and burn for a few seconds, cycle off, and re-ignite	Pilot Sensor Rod not getting enough flame	Gently bend Sensor Rod towards Pilot Hood so it is in direct contact with flame (See FIG 28)
Soot on Logs	Burner holes covered by glowing embers or logs	Adjust glowing embers and logs so they do not block burner holes
	Air Mixer Closed	Open Air Mixer by turning Air Mixer Nut counter clockwise (See FIG 29)



ADOBELITE KIVA FIREPLACE OPTIONS:

Glass Door and Screen Door

Tempered Glass, Ceramic Glass, and Screen Doors are available from your dealer.

All doors are hand made, and snap into place using the provided door frame for a clean, elegant look.

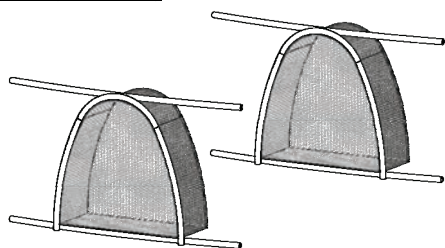


GLASS DOOR



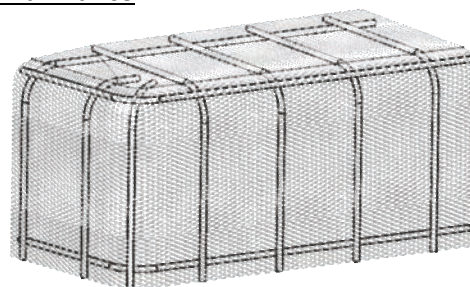
SCREEN DOOR

Nicho (Set of 2)



Nichos can be added to any of the Adobelite Kiva Frames. Inside measurements before plaster are: 12" wide x 12" tall x 5" deep.

Sidewall Banco



Sidewall Bancos are 15 ³/₄" tall x 15 ³/₄" deep (before plaster) to match the height of the Adobelite Kiva Frame hearth extension and are available in lengths of 2' to 10'. Specify left or right side when ordering.

Wood Storage Bin

The Wood Storage Bin has an interior size of 24" wide x 12" high x 16" deep. It fits in the center of the hearth extension or the Sidewall Banco

