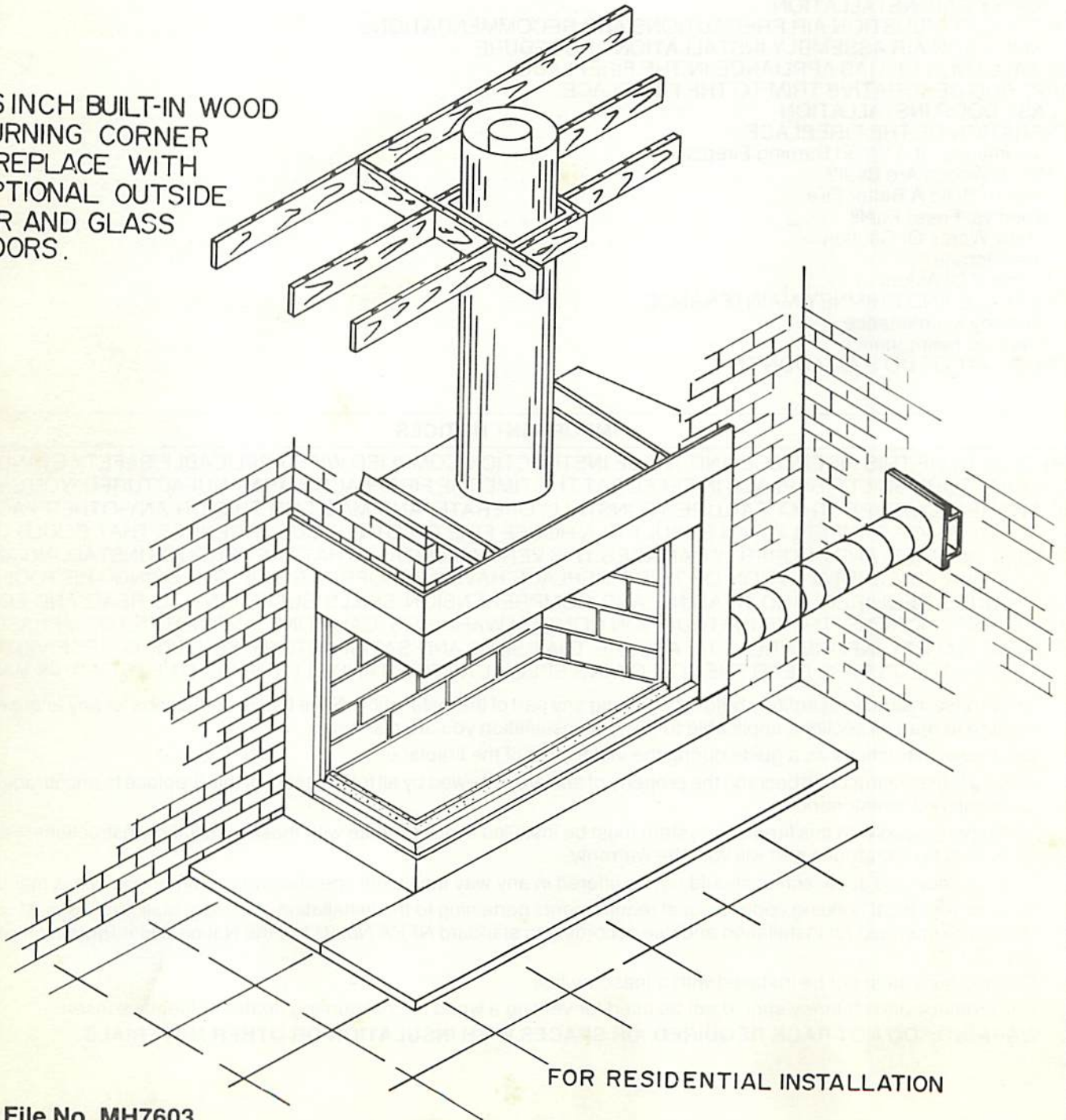




MODELS
B36LA, B36RA, C36LA,
C36RA, C36LMA, C36RMA
CORNER FIREPLACE

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

36 INCH BUILT-IN WOOD
BURNING CORNER
FIREPLACE WITH
OPTIONAL OUTSIDE
AIR AND GLASS
DOORS.



UL File No. MH7603

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IMPORTANT NOTICES

THE DESIGN OF THIS FIREPLACE AND THESE INSTRUCTION COMPLIED WITH APPLICABLE SAFETY STANDARDS FOR A FACTORY BUILT FIREPLACE IN EFFECT AT THE TIME THE FIREPLACE WAS MANUFACTURED YOU SHOULD BE AWARE, HOWEVER, THAT FAILURE TO INSTALL, OPERATE, AND MAINTAIN THIS OR ANY OTHER FACTORY BUILT FIREPLACE PROPERLY CAN RESULT IN A HOUSE FIRE OR OTHER OCCURRENCES THAT COULD CAUSE DEATHS, INJURIES, AND PROPERTY DAMAGES. IT IS VERY IMPORTANT THAT THE PERSONS INSTALLING AND/OR SUPERVISING THE INSTALLATION OF THIS FIREPLACE HAVE APPROPRIATE SKILLS IN USING THE TOOLS AND TECHNIQUES REQUIRED; AND READING AND COMPREHENSION SKILLS SUFFICIENT TO READ AND FOLLOW THESE INSTRUCTIONS. THESE INSTRUCTION CONTAIN WARNINGS, CAUTIONS, AND NOTES TO EMPHASIZE IMPORTANT SAFETY INFORMATION. TO ASSURE THAT SAFE AND SATISFACTORY SERVICE IS RECEIVED FROM THIS FIREPLACE. PLEASE READ THE FOLLOWING SPECIAL NOTICES AND ALL THE CONTENTS OF THIS MANUAL

1. Read these instructions entirely before beginning any part of the installation. Save these instructions for any future repairs. Be sure to read all sections applicable to the type installation you are planning.
2. Use these instructions as a guide during the installation of the fireplace.
3. Be sure these instructions become the property of and are reviewed by all future users of this fireplace to encourage proper operation and maintenance.
4. All the parts used with this fireplace system must be installed in accordance with these installation instructions. Failure to do so may be hazardous and will void the warranty.
5. This fireplace and accessories should not be altered in any way that is not specifically recommended in this manual.
6. Refer to your local building code for local requirements pertaining to the installation of factory-built fireplaces. Martin fireplaces are intended for installation and use according to standard NFPA No. 211 of the National Fire Protection Association.
7. This fireplace must not be installed with a masonry flue.
8. This fireplace and chimney should not be used for venting a wood or coal burning heater or fireplace insert.
9. **WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS.**

INTENDED PRODUCT USAGE

The fireplace is designed to sit directly on a combustible floor. The fireplace can also be installed with zero clearance to combustible building materials at the side, back and top spacers. Only parts manufactured by Martin Industries and labeled for use with the B36LA, B36RA, C36LA, C36RA, C36LMA and C36RMA fireplace should be used in the installation of this fireplace except for special roof flashings that may be fabricated locally. The use of improper parts in the installation can be hazardous and voids the warranty offered by Martin Industries.

This fireplace is designed to burn wood. This fireplace is not designed to burn coal, liquid fuels, unplumbed gaseous fuels or household refuse. Any attempt to burn these fuels in the fireplace can be hazardous.

This fireplace is designed for installation in mobile homes if it is installed in accordance with figure 32 in this manual, which includes using an OAC6 combustion air assembly, WB36LR glass door, SVT firestop thimble, and use either the LLK or RLK louver kit.

WARNING: DO NOT INSTALL IN A SLEEPING ROOM OF A MOBILE HOME.

CAUTION: If installed in a mobile home, the structural integrity of the floor, wall and ceiling/roof must be maintained.

WARNING: This fireplace and chimney must not be used for venting a solid fuel heater or fireplace insert unless written authorization is given by Martin Industries. Failure to heed this warning may cause a fire hazard and will void the Martin warranty.

The B36LA and B36RA may be converted to circulator models (C36LA, C36RA) with installation of upper louver kits model LLK or RLK.

This fireplace is intended for supplemental heating only and is not intended for use as a primary heating system.

IMPROPER INSTALLATION

Improper installation or use of this fireplace will void the warranty and can cause:

1. Damage to the fireplace from overheating.
 2. Hazardous temperatures to develop on combustible materials adjacent to the fireplace or chimney.
 3. The spillage of smoke or hazardous gases into the dwelling.
 4. Leakage of rain water into the dwelling.
-

HOW THIS FIREPLACE OPERATES

As wood is burned in the fireplace, room air enters the air slot on the lower front edge and circulates around the firebox.

The air circulation around the firebox serves to cool the fireplace and must not be blocked in any manner. Blocking of the inlet slot or outlet louver will cause the firebox to reach hazardous temperatures.

When an OAC4 combustion air assembly and a combustion air duct are attached to the connecting point on the side of the fireplace, combustion air may enter the firebox through a dampered opening behind the side panel. This feature is designed for your benefit to reduce the room air used for combustion and to prevent excessive loss of heat from the room. When the fireplace is in use, this damper should be open. When the fireplace is not in use, the damper should be closed to prevent cold air from entering the firebox. The combustion air damper is open when the lever located on the side of the firebox is up and closed when the lever is down.

Outside air for combustion is optional unless required by federal, state or local building codes. See the section of this manual providing the instructions for installation of the combustion air assembly for additional information.

Glass doors should be installed to receive the maximum benefit from your fireplace. For large fires, the maximum heating benefit from the fireplace will be obtained with the doors open due to the high amount of radiant heat being emitted out of the front opening of the fireplace. With a small fire, it is best to operate the fireplace with the doors closed to prevent excessive room air from being drawn up the chimney. Before retiring in the evenings, the doors should be closed to prevent excessive room air from escaping up the chimney.

The unique design of the fireplace allows the routing of the combustion air duct downward, horizontally or upward to obtain the outside combustion air. This permits maximum flexibility in planning your installation. See figure 22 for typical installation methods. Be sure to review the precautions and recommendations in the section of this manual pertaining to outside combustion air installation.

The fireplaces are also equipped with a flue damper which must be open when the fireplace is in use. The flue damper control is located inside the firebox. Push the damper handle up to open. When the fireplace is not in use, the damper should be closed to prevent cold air from entering the chimney as well as preventing warm air from the room escaping up the chimney.

NOTE: It is normal for a small amount of smoke to be released from the top louvers the first few times you use your new Martin fireplace. This results from an oil residue on the metal. Open a door or window to allow the smoke to escape.

WARNING: FIREPLACES EQUIPPED WITH DOORS SHOULD BE OPERATED ONLY WITH DOORS FULLY OPEN OR DOORS FULLY CLOSED. IF DOORS ARE LEFT PARTLY OPEN, GAS AND FLAME MAY BE DRAWN OUT OF THE FIREPLACE OPENING, CREATING RISKS OF BOTH FIRE AND SMOKE. THE SIDE DOORS ON YOUR CORNER FIREPLACE SHOULD NEVER BE OPENED. ONLY THE FRONT DOORS MAY BE OPENED.

All fireplace chimneys are in direct contact with cold air on the exterior of the structure. Consequently, when the fireplace is not in use, cold air can fall down the chimney of the fireplace and cool off the fireplace chase. Therefore, the fireplace chase must be insulated to minimize the risk of cold air infiltration into the home. Even if the fireplace chase is adequately insulated, this

cannot completely insure that cold air infiltration into the structure will be eliminated. Cold air infiltration is a possibility with any fireplace or device that freely communicates with the air or the outside of the structure. Today's homes are more energy efficient and, therefore, better insulated and tightly constructed. Unfortunately, when air is removed from the house, as by a bathroom fan, or consumed in by a furnace, additional air is needed to replace the air consumed. Unless the additional air is supplied, this can cause a negative pressure in the home. When this happens, the house will draw in outside air from the cracks in the windows, down the fireplace flue or other locations of air leakage in the home. Because cold air infiltration may be unavoidable in some structures, Martin Industries is not responsible for heat loss or air infiltration through or around the fireplace.

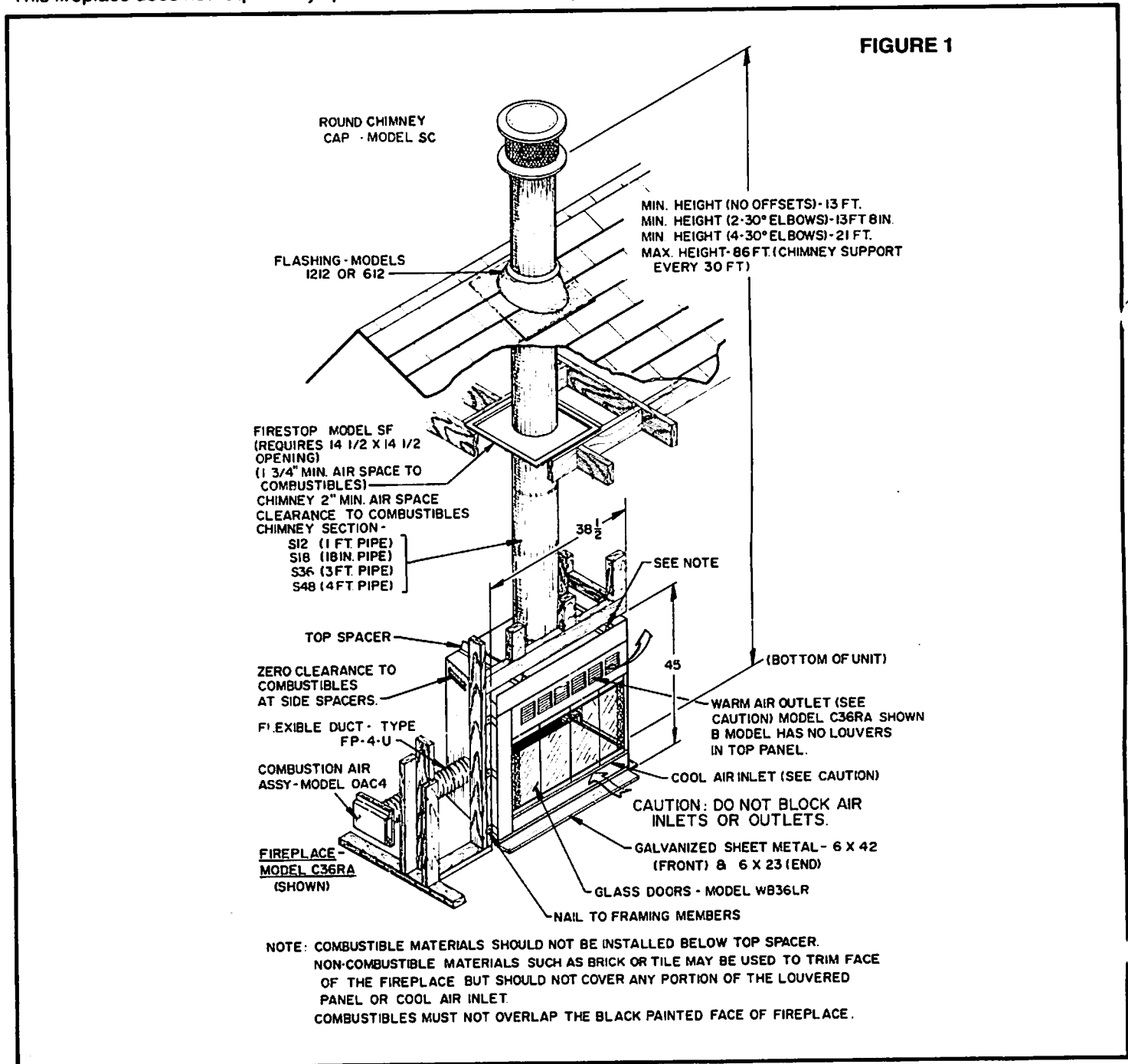
BUILDING CODES AND SAFETY REQUIREMENTS

The instructions contained in this manual provide the information necessary to install this fireplace in accordance with Underwriters Laboratories requirements and in compliance with the National Fire Protection Association Standard No 211. Some codes may require the fireplace and chimney be electrically grounded. Before beginning the installation, you should check with local building officials to obtain required permits and assure compliance with local regulations and codes. If you encounter problems with code requirements, contact your Martin dealer for assistance.

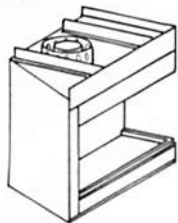
SELECTING A LOCATION

Caution: Do not install fireplace over carpeting.

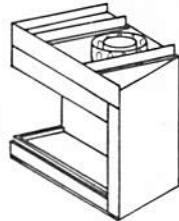
This fireplace does not require any special foundation. If the fireplace is to be trimmed with large stone or brick facing, an ade-



B36RA FIREPLACE



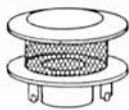
B36LA FIREPLACE

WB36LR
(BRASS)

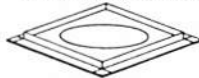
SCS CHIMNEY SUPPORT



SE30 30° ELBOW

SC ROUND
CHIMNEY CAP

SF FIRESTOP SPACER



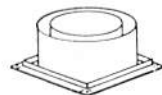
403 DUCT CONNECTOR

FP-4-U
UNINSULATED FLEX PIPE

HI627 HEARTH EXTENSION



SVT THIMBLE (OPTIONAL)



RLK KIT



LLK KIT



HI658 HEARTH EXTENSION



S48



S36



S18



S12

OAC4
COMBUSTION AIR ASSY

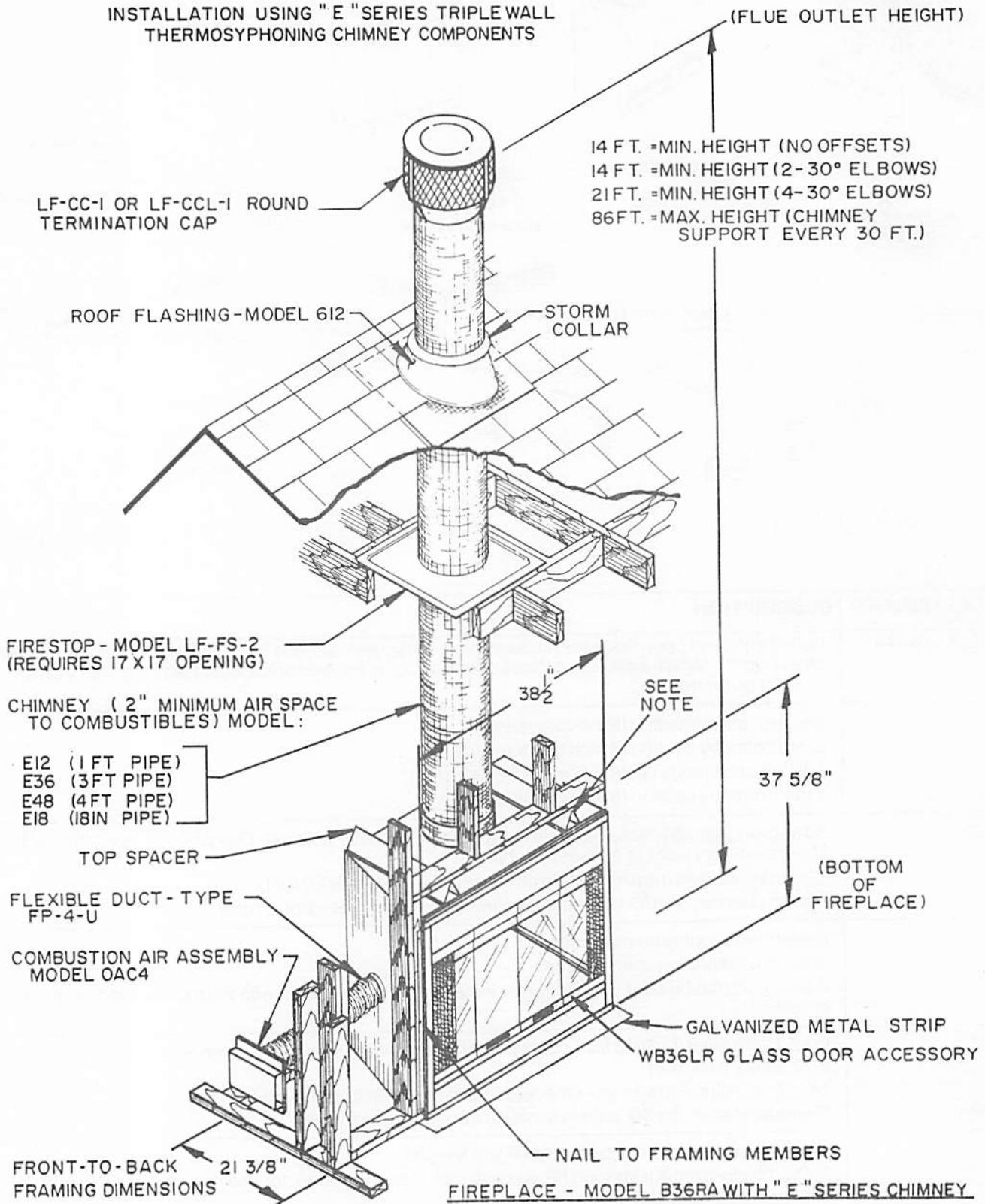
612-1212 FLASHING

FIGURE 2

MODEL NUMBER	DESCRIPTION
B36LA, B36RA	Left or right end open fireplace. Includes wire firescreen, sealing flue damper and outside combustion air capability. When installed, outside combustion air can be connected to left side. See installation instruction for details.
S48 S36 S18 S12	4 foot chimney section (8 inch diameter flue). 3 foot chimney section (8 inch diameter flue). 1 1/2" foot chimney section (8 inch diameter flue). 1 foot chimney section (8 inch diameter flue.)
SE30 SCS SC	30 degree elbows (package contains two 8 inch diameter elbows). One pair is required for each offset. Maximum--two pairs (4 elbows per chimney). Chimney support (required when chimney height exceeds 30 feet). Round chimney cap for contemporary installation, includes storm collar.
SCL SQL8 612	Round telescoping chimney cap. Square telescoping chimney cap. 0-6/12 pitch flashing for contemporary installation. One required with SC round chimney cap on 0-6/12 pitch roof.
1212 SF SF-30	6/12-12/12 pitch flashing for contemporary installation. One required with SC round chimney cap on 6/12-12/12 pitch roof. 14 1/2" inch firestop spacer--One required at each ceiling or floor level. Firestop spacer - for 30° chimney incline through ceiling or floor.
FP-4-U 403 OAC4	4" uninsulated combustion air duct--8 foot lengths. 4" Duct connector (for splicing FP-4 ducts, includes one connector and two clamps.) 4" Outside combustion air assembly.
WB36LR H1658 H1627	Optional polished brass glass door kit. Hearth extension board for front opening. (16" x 58") Hearth extension board for end opening. (16" x 27")
LLk RLK S8	Louver kit to convert B36LA to C36LA circulator fireplace. Louver kit to convert B36RA to C36RA circulator fireplace. Telescope assembly for use with telescoping chimney caps.

RESIDENTIAL INSTALLATION

INSTALLATION USING "E" SERIES TRIPLE WALL THERMOSYPHONING CHIMNEY COMPONENTS



CAUTION: DO NOT BLOCK AIR INLETS OR OUTLETS.

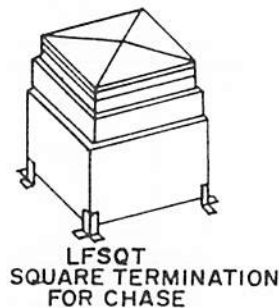
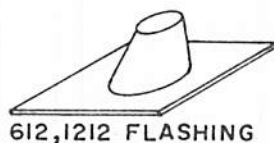
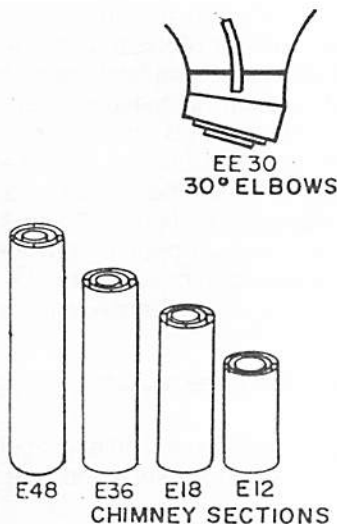
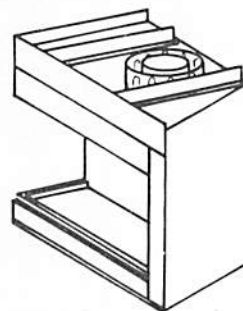
NOTE: COMBUSTIBLE MATERIALS SHOULD NOT BE INSTALLED BELOW TOP SPACER. NON-COMBUSTIBLE MATERIALS SUCH AS BRICK OR TILE MAY BE USED TO TRIM FACE OF THE FIREPLACE BUT SHOULD NOT COVER ANY PORTION OF THE LOUVERED PANEL OR COOL AIR INLET. COMBUSTIBLES MUST NOT OVERLAP THE BLACK PAINTED FACE OF FIREPLACE.

"E" Series Triple-Wall Chimney System Installation Only. (Pages 6 & 7)

INSTALLATION INSTRUCTIONS AND PRECAUTIONS

1. When installing "E" series triple wall chimney system on the B36LA and B36LR, do not mix chimney system components other than those listed below.
2. Maintain 2" airspace clearance to combustibles.
3. Use same offset and rise chart for chimney when installing elbows.

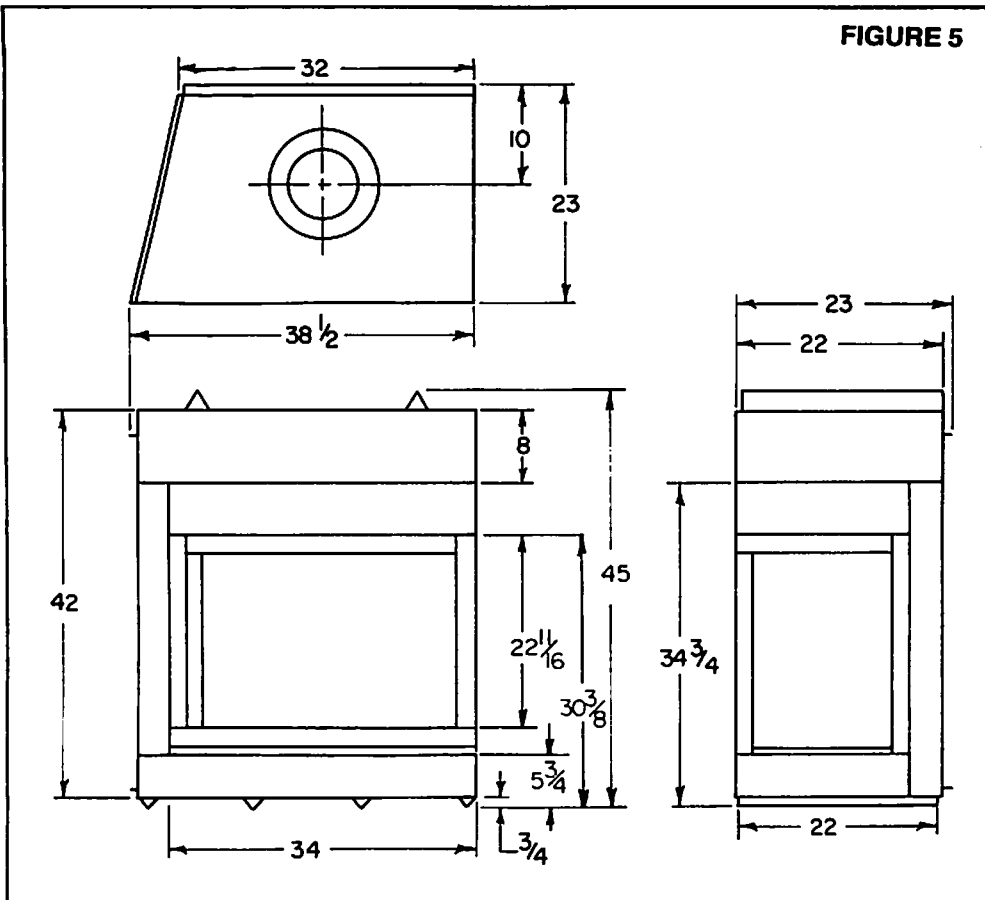
FIGURE 4



E48	4 foot chimney section (8 inch dia.)
E36	3 foot chimney section (8 inch diameter).
E18	18" foot chimney section (8 inch diameter).
E12	1 foot chimney section (8 inch diameter).
EE30	30 degree elbows (package contains two 8 inch diameter elbows). One pair is required for each offset. Maximum--two pairs (4 elbows per chimney).
ECS	Chimney support (required when chimney height exceeds 52 feet).
LFCC-1	Round termination cap for contemporary installation, includes storm collar.
LFCCL-1	Round termination cap for chase installation (includes inlet air telescope).
6/12	0-6/12 pitch flashing for contemporary install. One required with LFCC-1 round termination cap on 0-6/12 pitch roof.
12/12	6/12-12/12 pitch flashing for contemporary installation. One required with LFCC-1 round termination cap on 6/12-12/12 pitch roof.
LF-FS-2	17" firestop spacer-One required at each ceiling or floor level below 20 foot chimney height.
LF-FS-30	Firestop spacer-for 30° chimney incline through ceiling or floor.
LFSQT	Square termination for chase installation. Model T8 telescope assembly required but not included.
T8	Telescope assembly for use with LFSQT square termination.
LF-FF	Flat flashing for chase installation (36" X 72").

"E" Series Triple-Wall Chimney System Installation Only. (Pages 6 & 7)

FIGURE 5



quate foundation is required to support these materials. Use figure 5 & 6 as a guide for selecting a location and determining the space required for the fireplace.

The location for the fireplace should be adjacent to a load-bearing wall and away from objects that will create drafts that could disturb the normal flow of air into the fire. Such objects are frequently opened doors and central heat air outlets and returns. See figure 6 which illustrates various types of locations and installations and figure 1 for additional information concerning installation heights, construction details, and methods of installation.

A location that requires cutting the least number of joists and rafters for the chimney installation will simplify and reduce installation cost. The opening required for passage of the chimney through the roof, ceilings and floors must be 17 inches square as indicated by figures 7 and 8. The 17-inch square opening provides for the installation of the model LF-FS-2 firestop spacer in a residential installation.

Since the pitch of the roof influences the opening size required at the roof level, table 1 should be used as a guide for sizing the roof opening.

Proper selection of a chimney outlet location is also important. Objects such as overhanging or nearby trees, adjacent building or embankments or unusual roof designs can all create air turbulence and interfere with chimney performance and cause the fireplace to spill smoke into the room.

A factory-built fireplace, properly installed in a single story wing of a multi-story building as shown by figure 9, may be affected by environmental factors that will cause poor chimney draft and occasional spillage of smoke from the fireplace opening. Although this occurs infrequently, location of the fireplace in the preferred location as indicated by figure 9 is recommended.

If the chimney is to pass through living areas or spaces used for storage, be sure that it will be possible to enclose the chimney to prevent contact with and possible damage to the chimney. Elbows may be used to avoid obstructions such as electrical wires, water or sewer pipes, attic fans, heating ducts, etc. Refer to the section of this manual concerning chimney offsets for proper elbow installation and use.

If the fireplace is to be installed in an outside wall, the surrounding walls should be enclosed and insulated. Failure to properly enclose the fireplace will cause a heat loss and diminish the fireplace efficiency due to transfer of heat through the fireplace to the outside.

FLOOR AND WALL PROTECTION

FLOOR PROTECTION

All fireplaces installed over a combustible floor must incorporate a non-combustible hearth extension. It is required to protect the floor in front of the fireplace from both radiant heat and sparks.

Hearth extension dimensions should be determined by using the chart below. Use Martin hearth extensions as illustrated in figures 6, 10 and 11 or use an acceptable thickness of a durable non-combustible material with an equal or greater insulating value than $K = .55 \text{ Btu in/ft}^2\text{-HR-F}^\circ$, or a thermal resistance that equals or exceeds $R = 1.19$. These materials should be covered with a decorative non-combustible veneer.

NOTE: Any non-combustible material with a K factor value that is less than .55, or whose R value is more than 1.19 for 1" thick material is acceptable.

HOW TO DETERMINE HEARTH EXTENSION REQUIREMENTS

The following information is provided to determine the required thickness for any non-combustible material when either the K or R values are known. They are expressed as the following: $K = \text{Btu-in/ft}^2\text{-HR-F}^\circ$ or $R = \text{HR-F}^\circ/\text{Btu}$. These materials should be covered by a decorative non-combustible material such as tile, brick, stone, or slate.

To determine the thickness needed for a material other than those listed in the chart, use the following formulas to calculate that which will be an acceptable equivalent:

The ability of insulating material to retard the transfer of heat may be expressed as either Thermal conductance (C), Thermal Conductivity (K), or Thermal Resistance (R). The mathematical relationship of these values and the formulas for converting one value to another is as follows:

$C = K$ divided by the material thickness.

(Example $C = .43$ divided by $1/2(.50)$
 $C = .86$)

$K = C$ multiplied by the material thickness.

(Example $K = .86$ multiplied by $1/2(.50)$
 $K = .43$)

$R =$ The material thickness divided by K

(Example $R = .50$ divided by $.43$
 $R = 1.16$)

With any type hearth extension minor shifting of the supporting floor or expansion and contraction may eventually cause a crack to develop between the hearth extension and the face of the fireplace. To help prevent the crack from developing, the hearth extension material must be firmly fastened in place. Wall ties should be screwed to the face of the fireplace and imbedded in the mortar joints of brick, stone, or other non-combustible materials. **The metal safety strip packed with the fireplace must be placed beneath the fireplace and extend under the hearth extension or into a mortar joint of the hearth extension.** In the event a crack does eventually develop, the metal safety strip will serve as a barrier to prevent sparks or embers from falling from the fireplace onto combustible flooring materials.

* See Figure 6A for an alternate hearth extension using brick only.

WARNING: THE CRACK BETWEEN THE HEARTH EXTENSION AND FIREPLACE MUST BE SEALED WITH A NON-COMBUSTIBLE MATERIAL.

WARNING: WHEN INSTALLING THE HEARTH EXTENSION, BE CAREFUL NOT TO BLOCK THE HEAT CIRCULATING AIR INLETS (LOUVERS, SLOTS, ETC). SEE FIGURE 6A.

WALL PROTECTION

A Martin model WS wall shield or an equivalent must be installed when the closed end of the fireplace is closer than 24 inches from a wall perpendicular to the face of the fireplace. (See figures 10 & 11). The WS wall shield should be attached securely to the wall by driving nails or screws through it into the wall studs. The wall shield should be covered by a decorative non-combustible material such as brick, tile, slate, etc.

The WS wall shield is constructed by 1 inch of Micore CV230 insulation board, manufactured by U.S. Gypsum Corporation, covered by a sheet of galvanized metal. An alternate insulating material with a K factor of .43 or lower can be used. Refer to the preceding section for instructions for selecting an alternate insulating material.

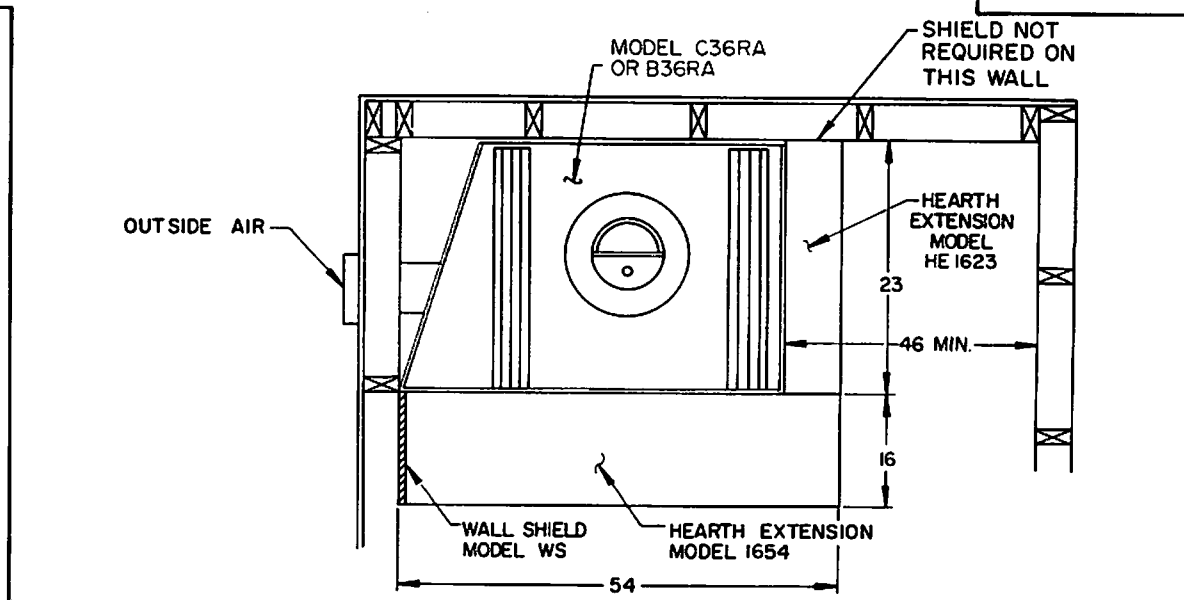
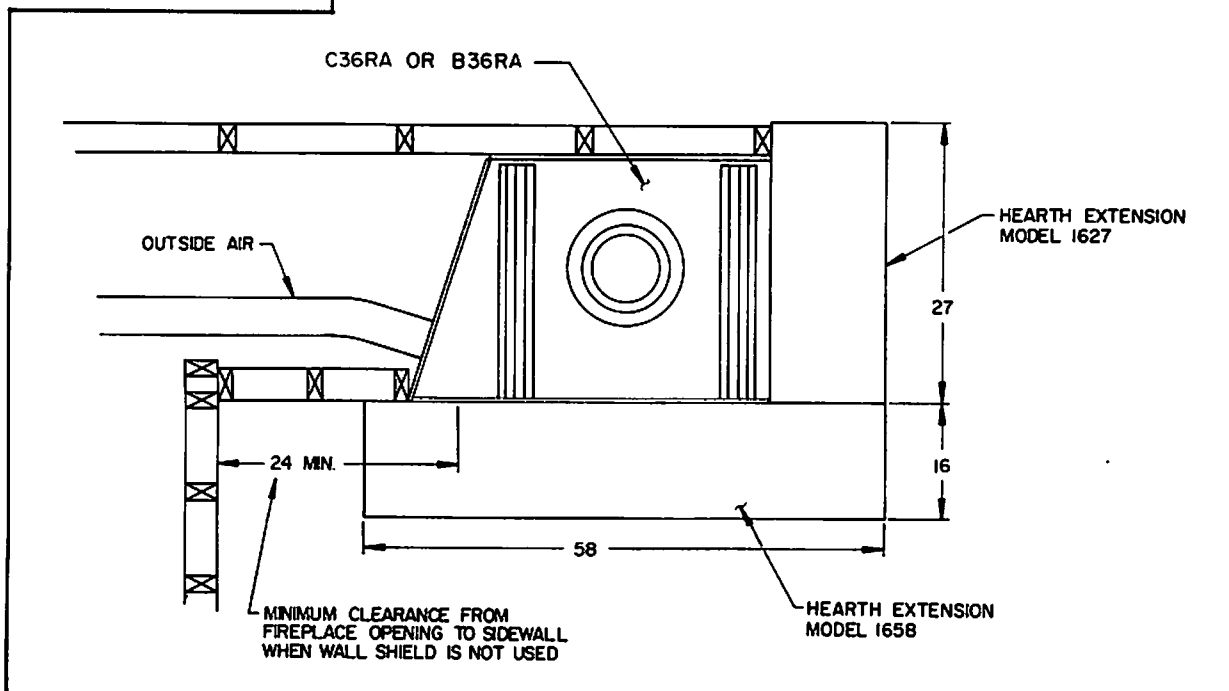
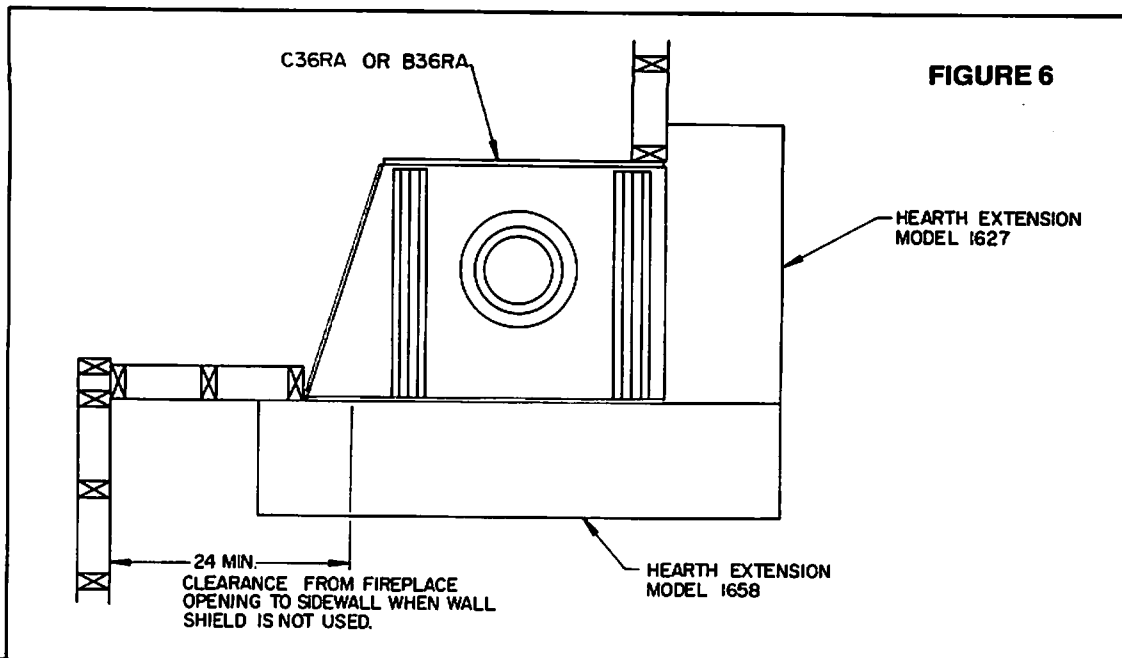


FIGURE 6A

ALTERNATE BRICK OR STONE HEARTH EXTENSIONS
FOR USE WITH THE B36LA, B36RA, C36LA, & C36RA FIREPLACE

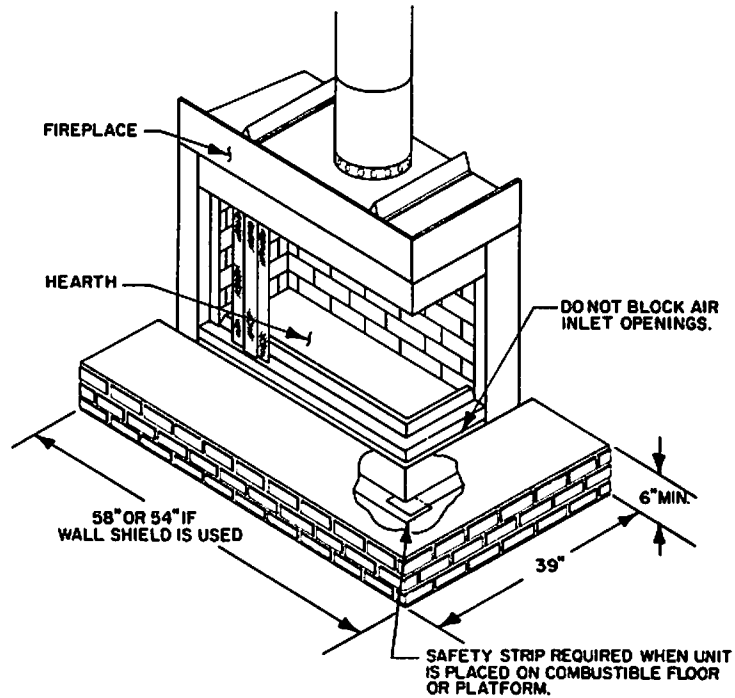


FIGURE 7

SINGLE STORY INSTALLATION WITH
ATTIC SPACE

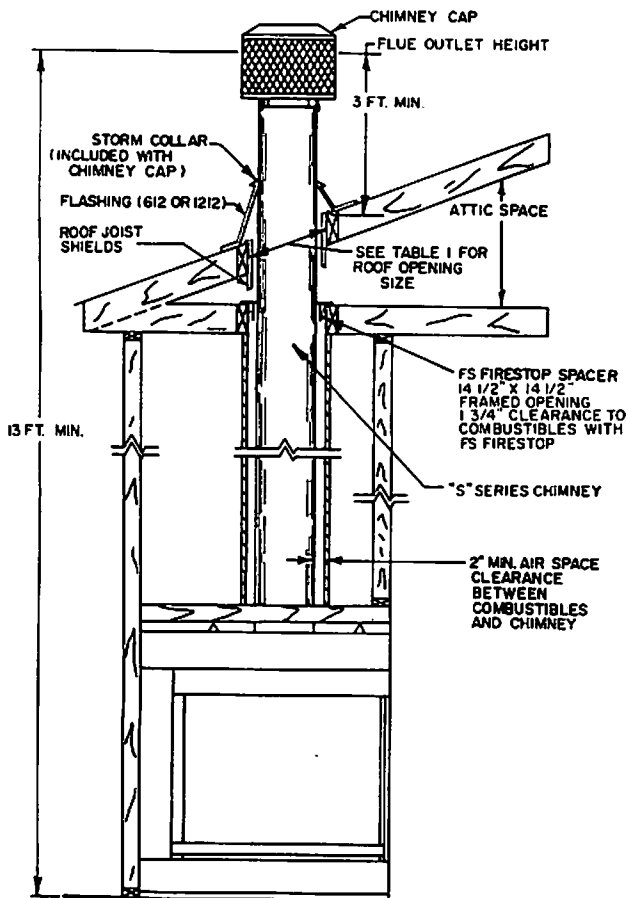


FIGURE 7A

INSTALLATION OF SHIELDS WITH MARTIN END OPEN FIREPLACE AND "S" SERIES CHIMNEY
ROOF JOIST SHIELDS- SECURE TO TOP OF CHASE TOP OPENING BEFORE
THE CHASE TOP FLASHING IS INSTALLED.

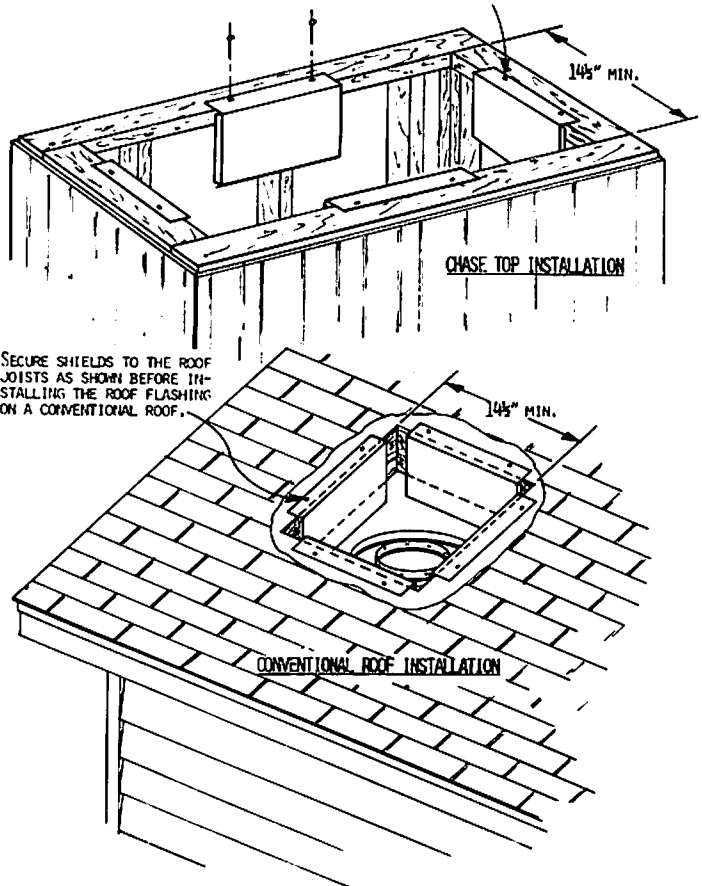


FIGURE 8

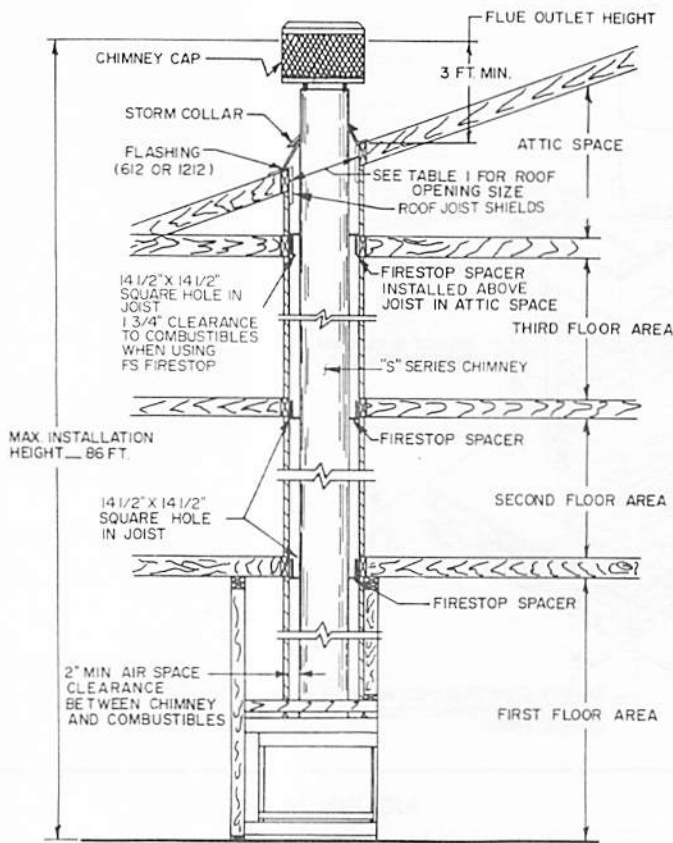


FIGURE 9

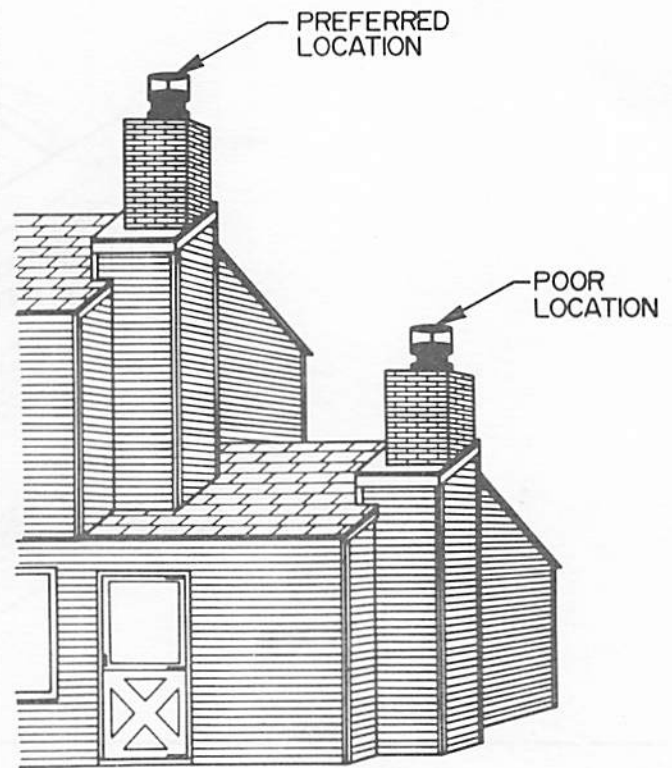


FIGURE 10

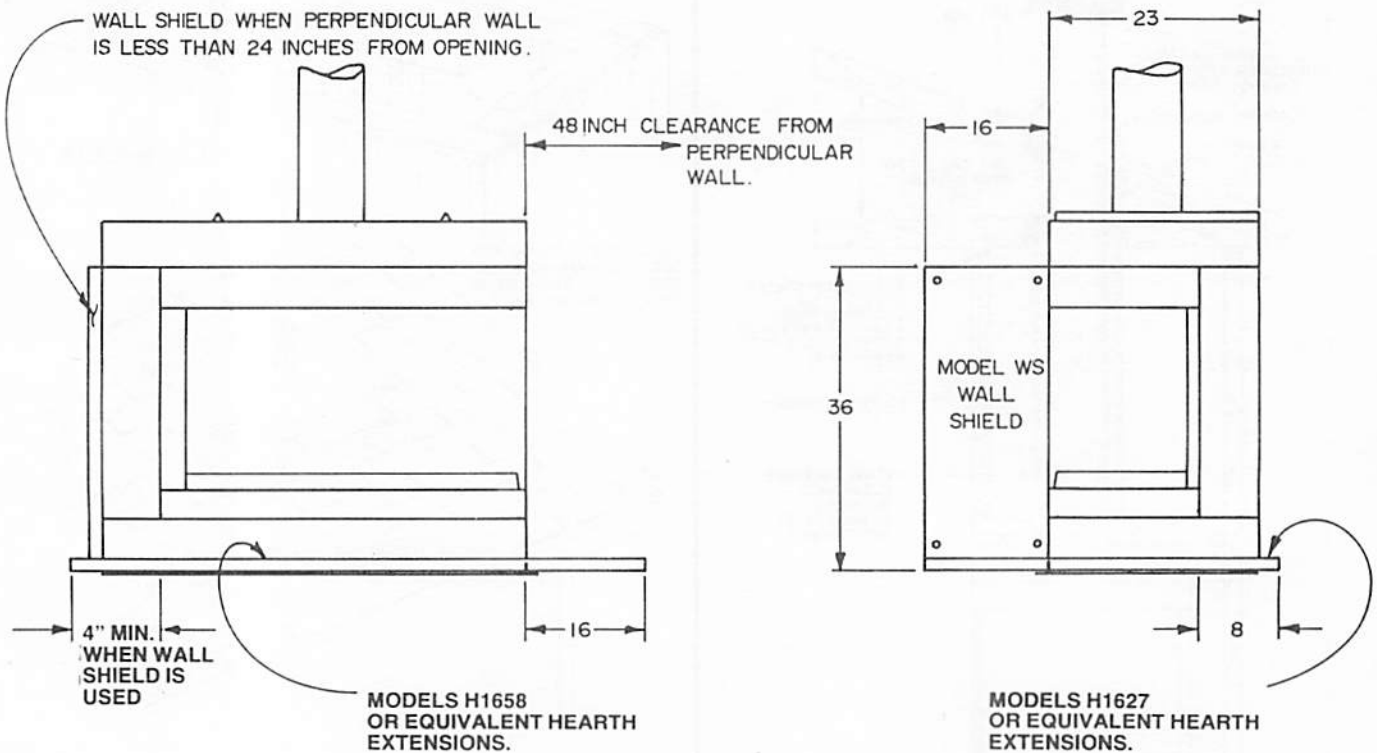
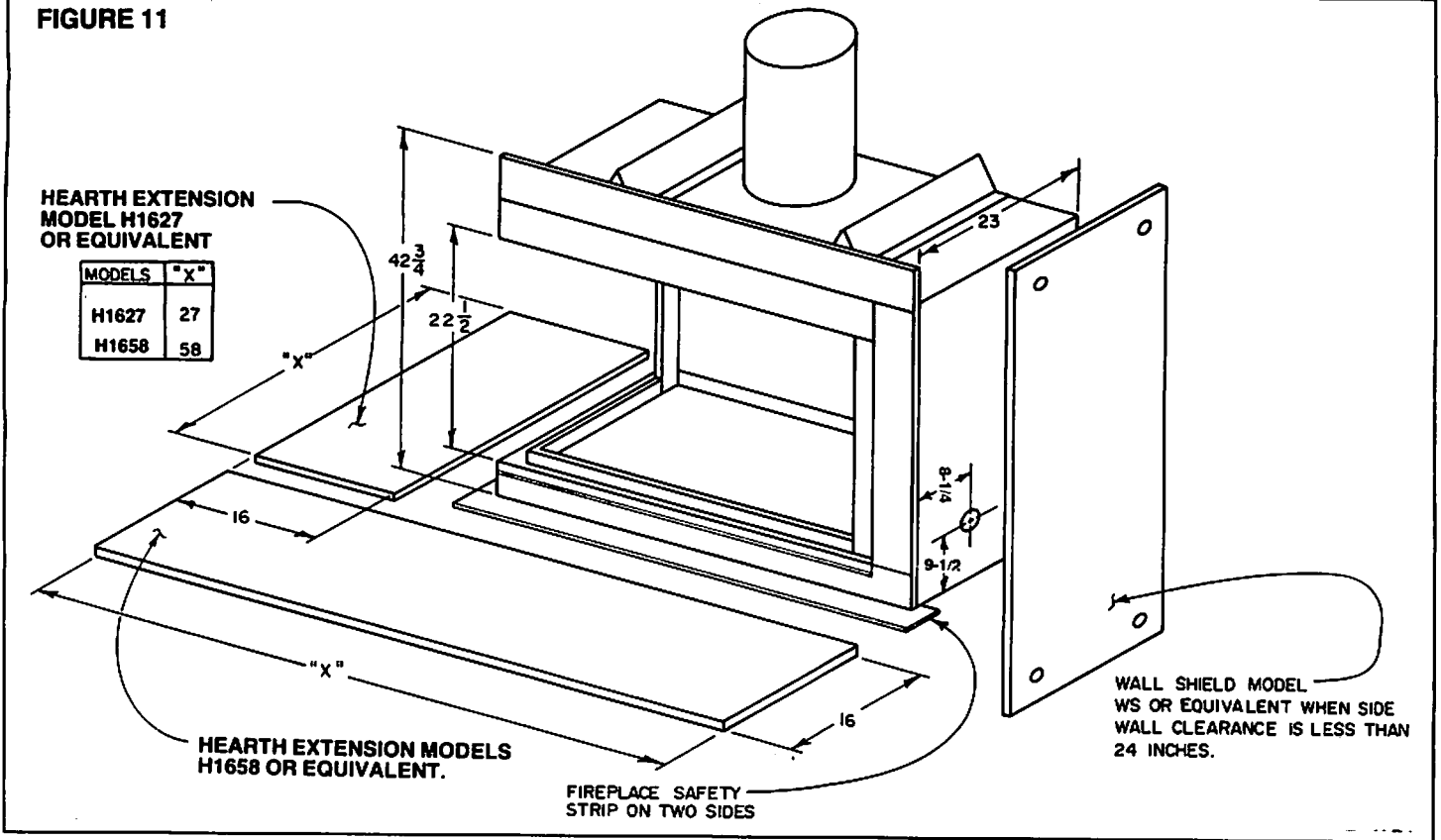


FIGURE 11



INSPECTION OF FIREPLACE COMPONENTS

Unpack and check the fireplace and chimney for damage. If any items have been damaged, report this to your Martin dealer. Before beginning the installation, be sure you have the proper parts in sufficient quantity. Refer to figure 2 for proper identification of parts.

DO NOT SUBSTITUTE PARTS. USE ONLY PARTS LABELED FOR USE WITH THE MARTIN MODEL B36LA, B36RA, C36LA, C36RA, C36LMA and C36RMA FIREPLACES.

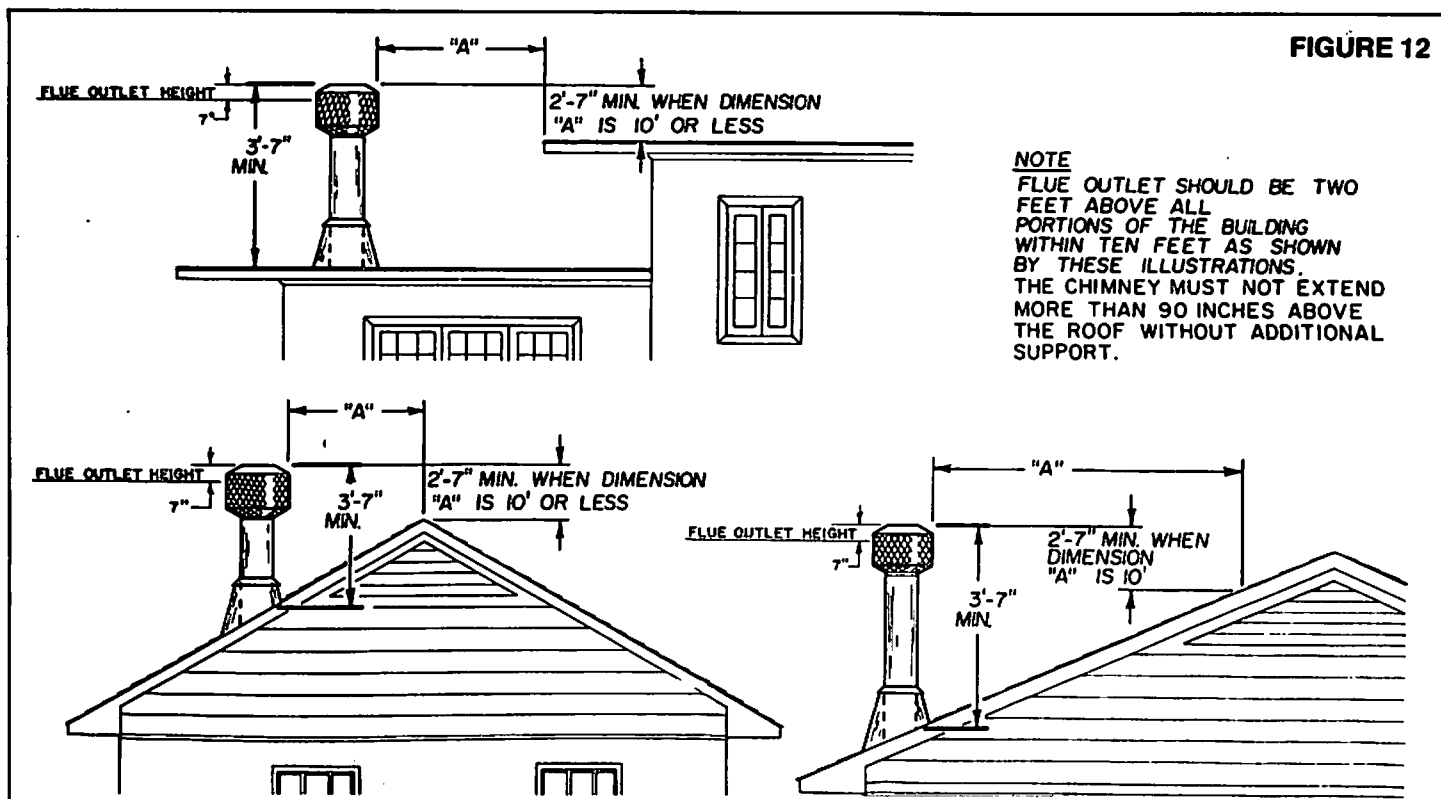
FIREPLACE INSTALLATION

1. Refer to figure 1 for an example of a typical installation of the fireplace components.
2. Be sure the location of the fireplace will provide the required clearances indicated by figures 6, 7, and 8 and the minimum chimney air space clearance to combustibles of two inches.
3. Set the fireplace in the desired location and be sure it is securely supported and leveled. Check the face of the fireplace with a carpenter's level and if it is not plumb, correct it by placing shims under the edges of the fireplace.
4. Block in the fireplace to prevent any shifting of the firebox. Secure the fireplace with nails or screws through the brackets located on each side of the fireplace base. Do not enclose the fireplace until the combustion air duct and chimney pipes are installed. (See figure 1.)

NOTE: Some local codes may require electrically grounding the fireplace and chimney.

CHIMNEY INSTALLATION

FIGURE 12



In order to assure safe and satisfactory performance of the fireplace, it is very important to properly install the chimney. This is an important part of the installation and the sections of this manual pertaining to chimney installation should be reviewed very thoroughly.

For your safety, some of the important things to remember in regard to chimneys are listed below:

1. Use only parts and accessories labeled for use with this fireplace.
2. Use only undamaged parts and accessories.
3. Enclose the chimney where it passes through living spaces or to prevent contact with and possible damage to the chimney.
4. Install firestop spacers at each ceiling level.
5. Install the proper chimney cap on the chimney to prevent the entry of rain and debris into the chimney and to assure proper venting of the smoke.
6. Do not use more than four elbows in the chimney.

NOTE: To select the proper chimney height, refer to figure 1. The flue outlet must be a minimum of three feet above the highest point where the chimney penetrates the roof and a minimum of two feet above all portions of the building within ten feet. (See figure 12.) If the chimney is to include elbows to offset the chimney, refer to the next section of this manual. Combustible materials must have at least two inches air space between all sections of the chimney and combustible materials.

1. Lay out, cut and frame openings through all ceilings and the roof at the point where the chimney will pass through. Unless the chimney is to be offset, the point where the center line of the chimney will pass through the ceiling and roof can be determined with a plumb line as shown by figure 13. The fireplace should be located in the planned installation position. After the center line is established and a nail is driven to mark the point, the opening can be cut if you are satisfied with the chimney location relative to ceiling and roof joists and/or any other obstructions. The roof opening center line should be marked by driving a nail through the roof from underneath that will penetrate the roof and can be located from the rooftop. If the chimney is to penetrate a pitched roof, the hole in the roof must be rectangular instead of square and should be sized according to table 1.
2. Install the firestop spacer as required from beneath the ceiling unless the space above is attic space. In an attic, the firestop spacer should be installed at the floor level of the attic (see figure 14). You must have joist or headers on all four sides of the spacer and use a minimum of four 8 penny nails to secure the spacer.
3. To install the chimney sections, insert the male end of the flue, the smallest diameter pipe, into the flue outlet of the fireplace and press down until the snap locks engage. Continue the process, adding the chimney sections on top of each other until the chimney is at least six inches above the roof opening on all sides. As the chimney sections are installed, check each joint to make sure it is properly locked to the previous section. If additional strength of the outer pipe joints is desired, you may use two or three sheet metal screws placed through the area where the outer pipes overlap one another. To install these screws, drill a 1/8 inch diameter hole through the chimney sections, taking care to not penetrate the inner flue pipe. **WARNING: BE VERY CAREFUL WHEN DRILLING THE HOLES INTO THE OUTER PIPE. THE DRILL MUST NOT PENETRATE THE INNER STAINLESS STEEL PIPE.**

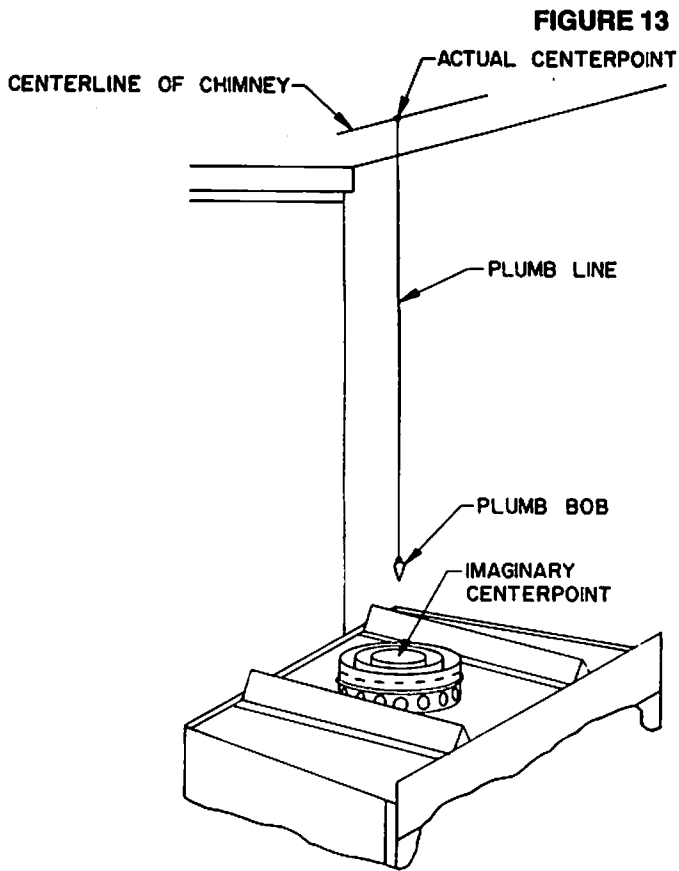
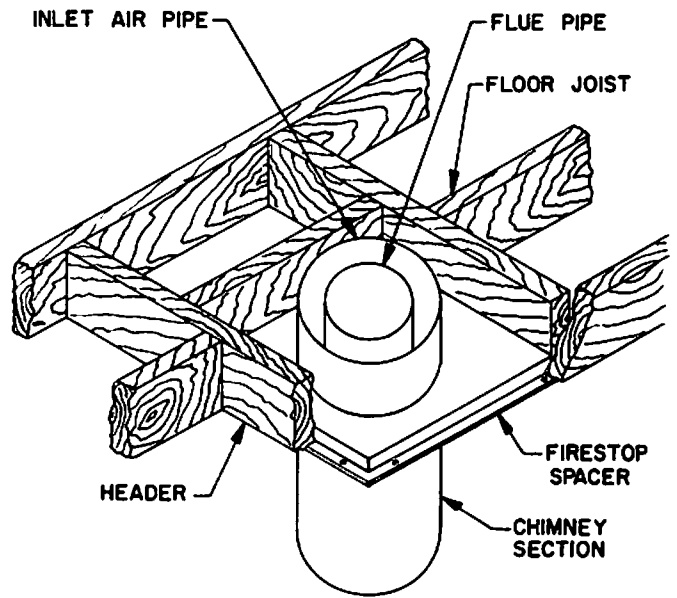


FIGURE 14
INSTALLATION OF FIRESTOP-SPACER AT FLOOR LEVELS



INSTALLATION OF FIRESTOP-SPACER AT ATTIC LEVEL

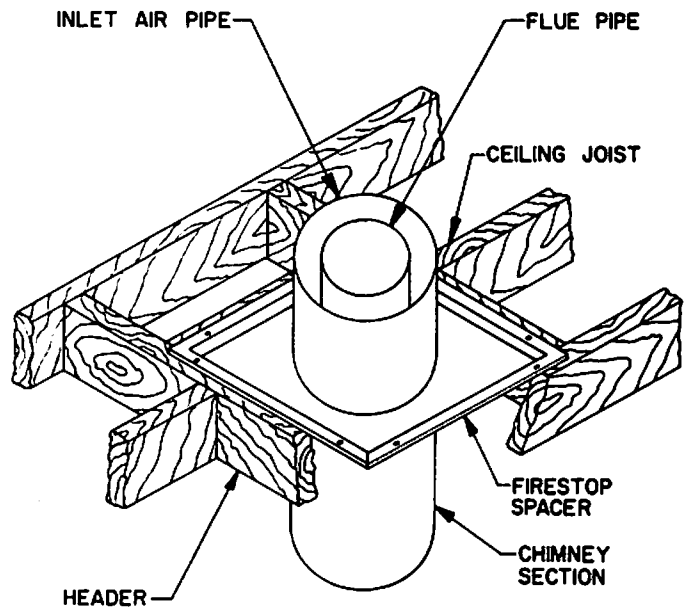


FIGURE 15

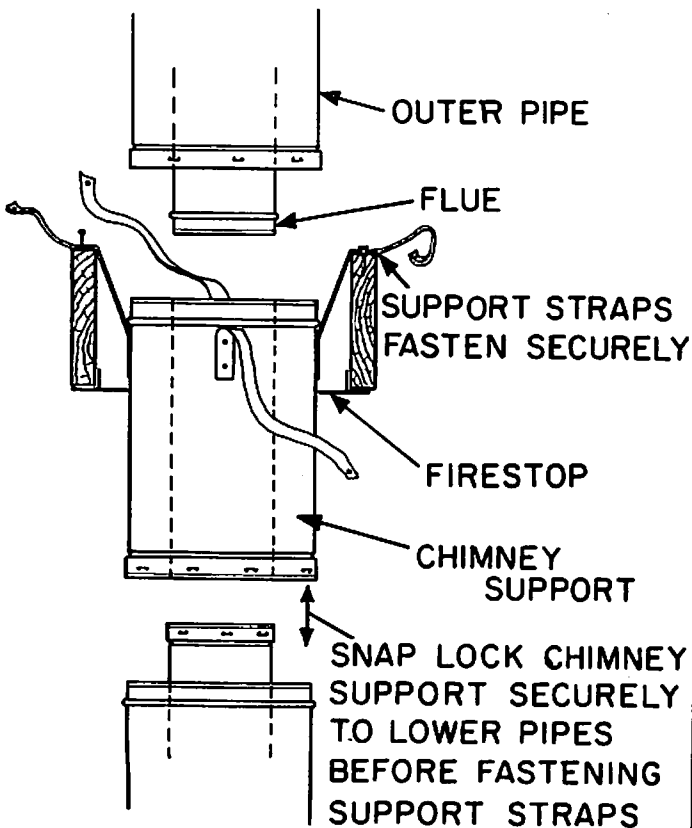


Table 1
MINIMUM REQUIRED ROOF OPENING
MINIMUM FRAMED OPENINGS

ROOF PITCH	"S" SERIES	
	DOUBLE WALL CHIMNEY	"E" SERIES TRIPLE WALL CHIMNEY
0/12	14 1/2" x 14 1/2"	17" x 17"
1/12	14 1/2" x 14 5/8"	17" x 17 1/8"
2/12	14 1/2" x 14 3/4"	17" x 17 1/4"
3/12	14 1/2" x 15"	17" x 17 1/2"
4/12	14 1/2" x 15 1/4"	17" x 17 3/4"
5/12	14 1/2" x 15 3/4"	17" x 18 1/4"
6/12	14 1/2" x 16 1/4"	17" x 18 3/4"
7/12	14 1/2" x 16 7/8"	17" x 19 3/8"
8/12	14 1/2" x 17 1/2"	17" x 20"
9/12	14 1/2" x 18 1/8"	17" x 20 5/8"
10/12	14 1/2" x 18 7/8"	17" x 21 3/8"
11/12	14 1/2" x 19 3/4"	17" x 22 1/4"
12/12	14 1/2" x 20 1/2"	17" x 23"

NOTE: If you intend to have a total fireplace installation of more than 30 feet, you must use a chimney support at or below 30 feet to support the weight of additional chimney pipe. If it is impossible to nail the chimney support to the load bearing framing of the building at the 30 foot level, the chimney support may be installed at a lower level if the height of the chimney above the support does not exceed 30 feet. Effective height of the chimney support is 16-3/4 inches. Chimney supports must be installed at 30 foot intervals.

To install the chimney support, place the crimped end of the flue into the last section of chimney pipe (see figure 15). Push down until the outside or inlet air duct of the chimney support overlaps and snap locks the chimney support into the chimney section.

Nail the support straps tightly to a building frame member or ceiling joist as shown by figure 15. You must use at least two 8 penny nails per strap.

CHIMNEY OFFSET INSTALLATION

Elbow Installation Sequence:

NOTE: If a triple wall elbow is to be placed directly to the top of the fireplace, it will be necessary to bend a tab over located on each of the four inlet air collar brackets. Bend these tabs over only when using a triplewall elbow to start a chimney run. The tabs may be easily bent with your fingers or pliers. See figure 16A.

The following are important points that should be observed when installing elbows on the B36LA, B36RA, C36LA, C36RA, C36LMA or C36RMA fireplaces:

1. The support straps of all elbows not installed directly on top of the fireplace should be nailed securely to the surrounding structure. This allows the support straps to carry the weight of the chimney above the elbow and prevents this weight from breaking the elbow or chimney sections apart. (See figure 16.)
2. Elbows should not be used in any combination that will incline the chimney more than 30 degrees from vertical
3. The limitations on the quantity of elbows per chimney are as follows:
If the total height of the fireplace and chimney is--
13'-8" or more--two elbows may be used in the chimney.
21'-0" or more--four elbows may be used in the chimney.
4. The inclined portions of chimneys that pass through living spaces likely to be used for storage should be enclosed to avoid contact with and possible damage to the chimney. The minimum air space of two inches between the chimney and enclosing materials must be maintained. Figures 17 and 18 illustrate some ways elbows may be used.
5. The length of the inclined portion of chimney between elbows must not exceed 6 feet when unsupported or 20 feet if the chimney is supported at six foot intervals with some means of support such as metal support straps.
6. When enclosing the elbows and inclined portions of the chimney, enclosing materials must be installed vertically so as to maintain the required two inch minimum air space clearance to the chimney at the extremities of the offset. It is recommended that enclosing materials not follow the inclined portions of the chimney. (Refer to figures 17 and 18).

Offset Installation Sequence

1. Determine the location and amount of offset required, then select the combinations of chimney sections and elbows required from the OFFSET CHART. Table 2.
2. Install the first elbow by placing the crimped end into the mating part of the fireplace or chimney section. Push down until the outside or inlet air duct of the elbow overlaps and the snaps lock the elbow into the fireplace or chimney section.
3. Nail the support straps to the framing member with a minimum of two 8-penny nails per strap.
4. Install the sections of pipe between the elbows until the proper number of chimney sections have been installed.
5. Install the second elbow to return the run of the chimney to vertical.
6. Nail the support straps of the second elbow to a building frame member.
7. Continue installing the vertical portion of the chimney.

NOTE: If the inclined portion of the chimney passes through a floor or ceiling a model SE30 - 30° spacer should be installed to provide the firestop and support required. Figure 19 provides the dimensions of this accessory. Be sure proper spacing is maintained between the chimney and combustibles.

FIGURE 16

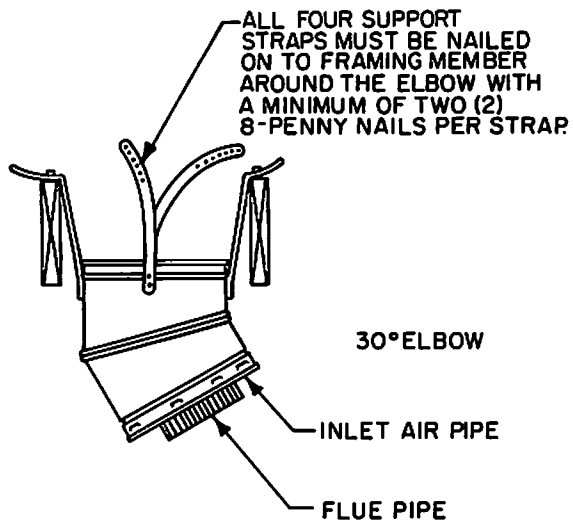


FIGURE 16A

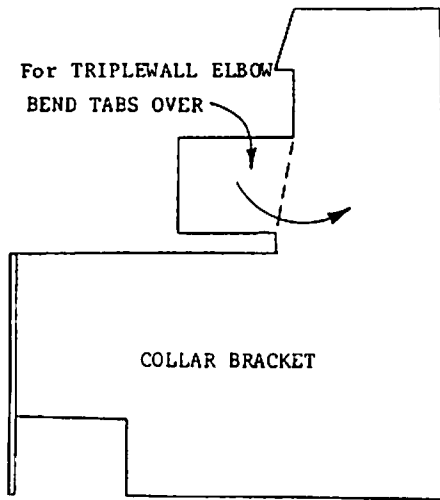


FIGURE 17

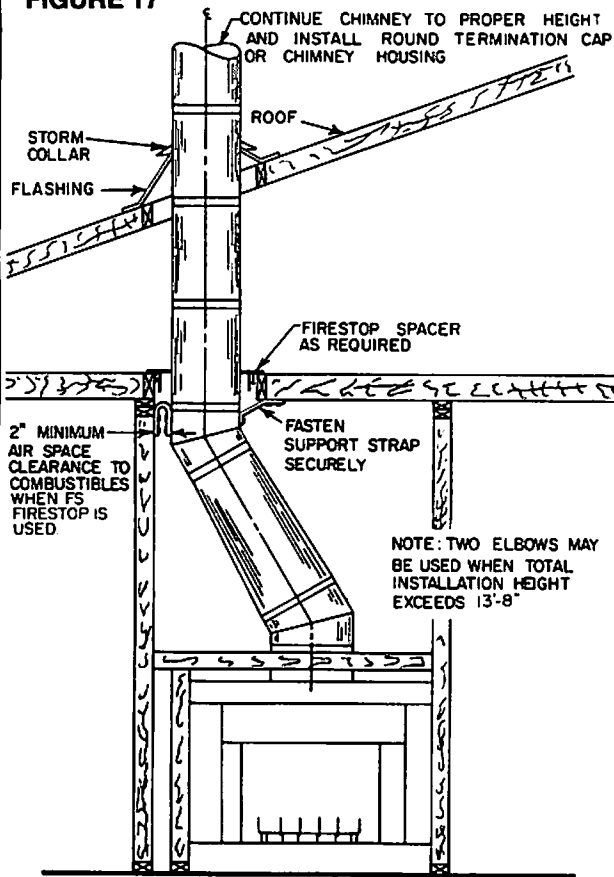


TABLE 2
SELECT DESIRED OFFSET AND READ ACROSS TABLE TO OBTAIN RISE, QUANTITY OF CHIMNEY SECTIONS & ELBOWS

		30° ELBOW				
Offset	Rise	1 Ft. Sections	1-1/2 Ft. Sections	3 Ft. Sections	4 Ft. Sections	Elbows Req'd.
9-3/8	25-5/16	1				1 PR.
12-3/8	30-1/2		1			1 PR.
17-3/4	39-13/16	1	1			1 PR.
20-3/4	45		2			1 PR.
23-1/8	49-1/8	2	1			1 PR.
26-3/4	55-3/8	1		1		1 PR.
32-3/4	65-13/16	1			1	1 PR.
35-3/4	71		1		1	1 PR.
38-3/4	76-3/16			2		1 PR.
41-1/8	80-5/16	1	1		1	1 PR.
44-3/4	86-9/16			1	1	1 PR.
47-1/8	90-11/16		1	2		1 PR.
50-3/4	97				2	1 PR.
56-1/8	106			3		1 PR.
59-1/8	111-1/2		1		2	1 PR.
68-1/8	127			1	2	1 PR.

* RISE is the number of inches in vertical height reached by the combinations shown.

** OFFSET is the number of inches which the centerline of the chimney is moved horizontally by the combinations shown.

FIGURE 18

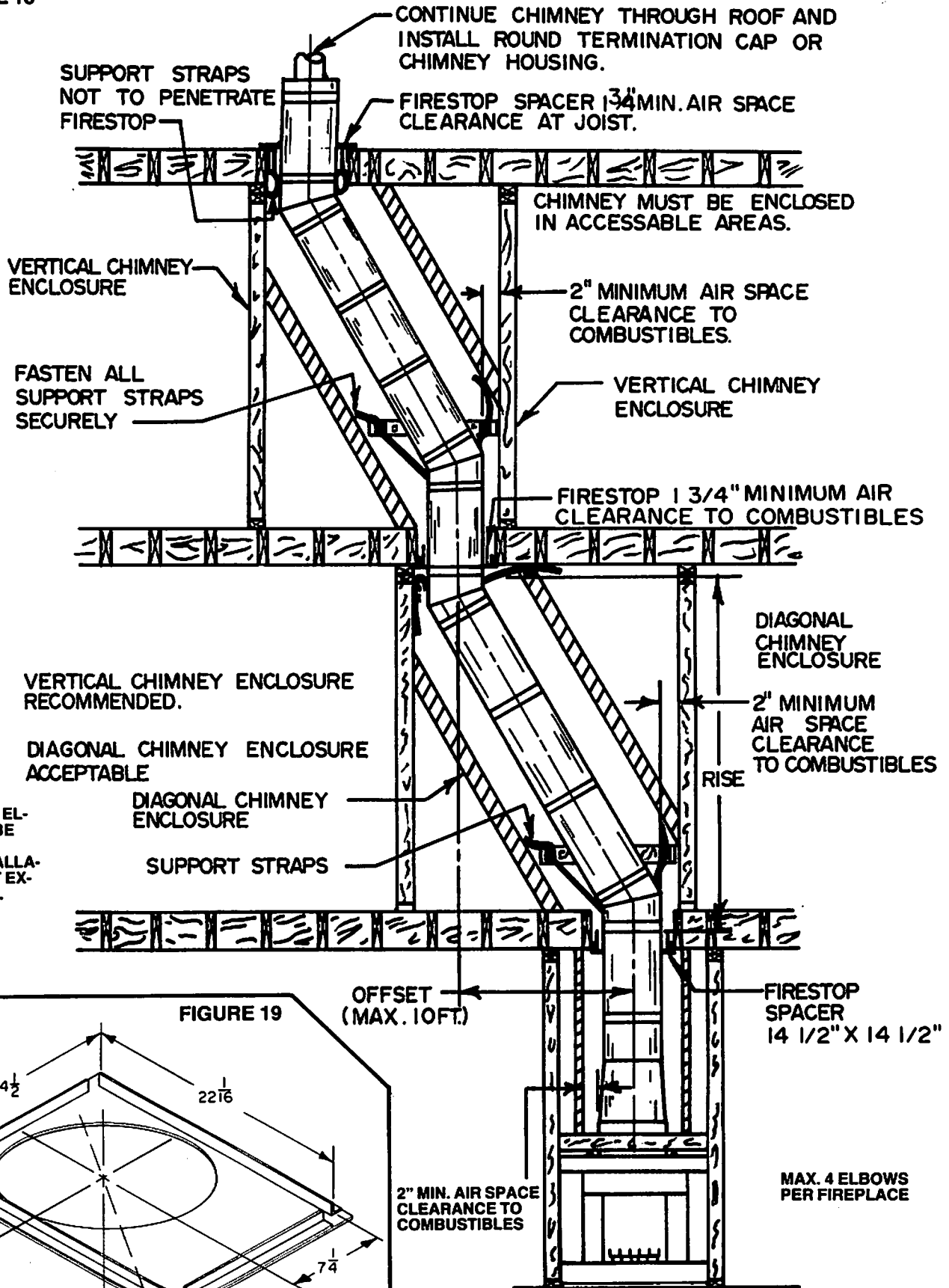
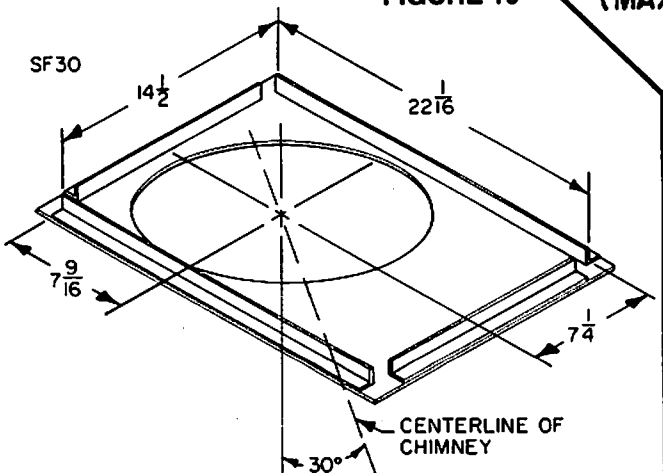


FIGURE 19



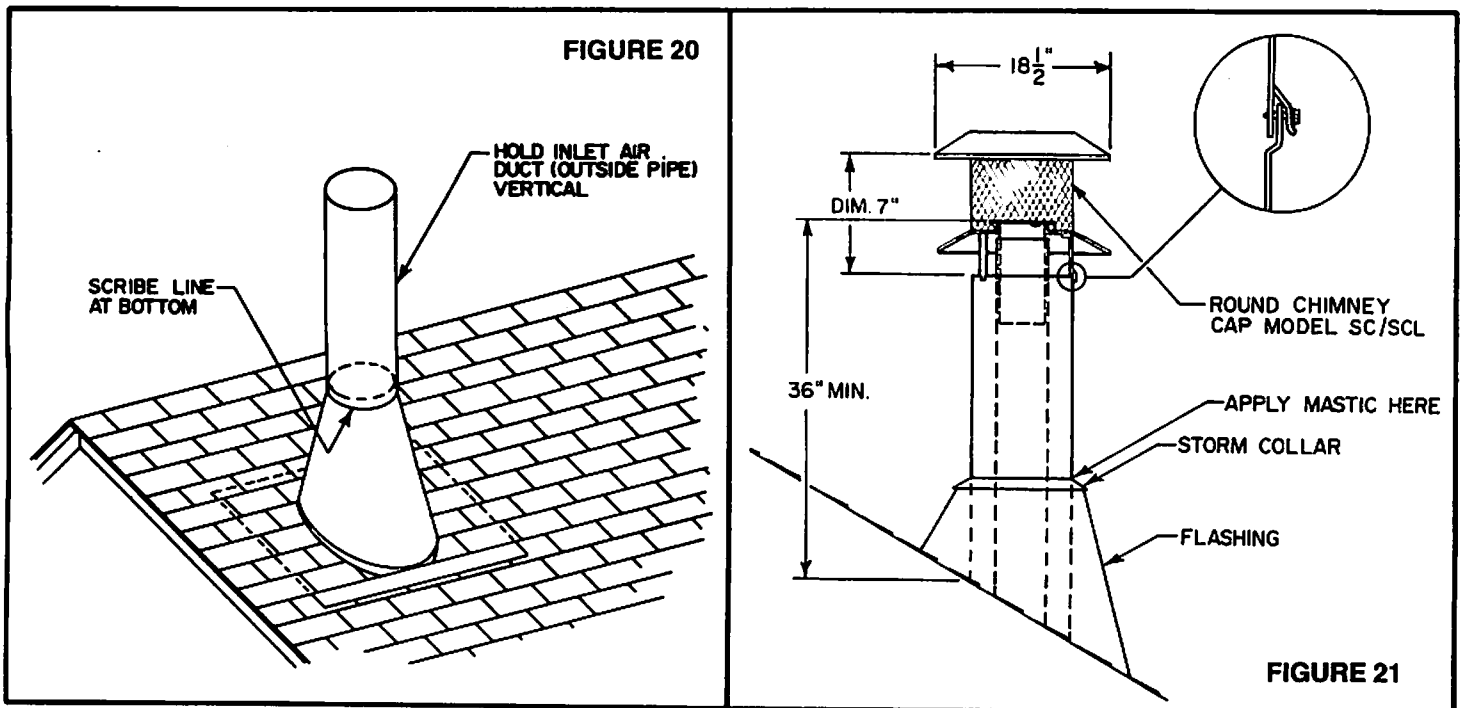
CHIMNEY CAP INSTALLATION

Model SC Chimney Cap:

SPECIAL NOTE: The proper chimney height as previously explained is important to assure proper draft and safety. The chimney cap extends the flue outlet four inches above the top of the last section of chimney. This should be kept in mind when determining the proper height for the chimney. The chimney should not be extended more than 90 inches above the supporting roof structure without additional support. In the case of an "A" frame type construction or other steep pitch roofs that require more than 90 inches of chimney above the roof, a support should be attached to the chimney at the 90 inch level that is strong enough to support a wind load of 3-1/8 pounds for each inch the chimney extends above 90 inches. The flue outlet must be a minimum of three feet above the point where it penetrates the roof as shown by figure 12.

CAUTION: Be careful around electrical wires to avoid the electrical shock hazard of contacting the wires with the metal chimney components.

1. Extend the regular chimney sections until the top of the chimney is four inches below the total flue height desired. Do not snap the last section of inlet air duct or largest diameter pipe in place until step three is completed.
2. Remove the shingles from around the chimney so that the flashing may be installed, as shown in figure 20 with the upper part of the flashing under the shingles.
3. Set the flashing on the roof and scribe a line around the flashing as described by figure 18, then cut the top off the flashing by cutting 1/4 inch below the scribed line. This should increase the diameter of the flashing outlet sufficiently to allow the flashing to be placed over the chimney.
4. Snap the last section of inlet air duct in place and slide the flashing over the chimney. Adjust the chimney to assure that the proper minimum clearances are maintained.



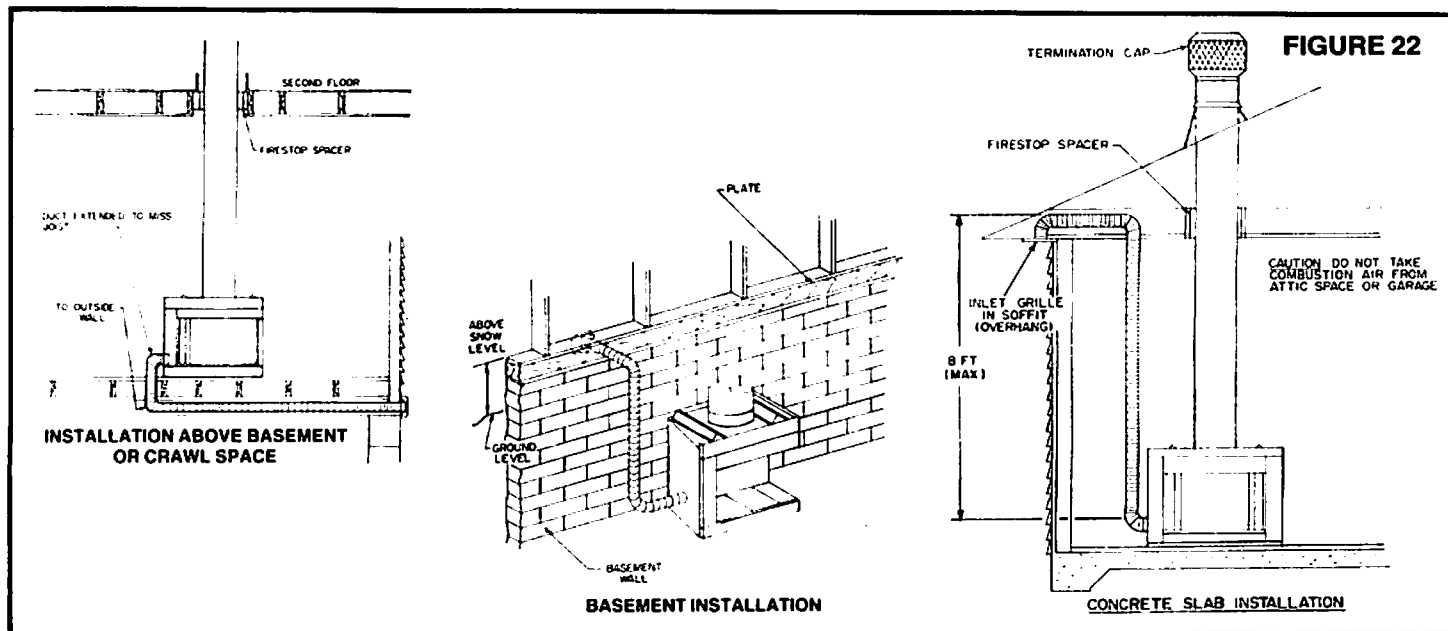
5. Nail the flashing securely in place with eight lead head nails. (See figure 21 for identification of the parts required for the installation.)
6. Seal the crack between the top of the flashing and the chimney with mastic. Leave some excess mastic at this area to be used in step eight.
NOTE: Use pliers and wear gloves when performing step seven to minimize the danger of cutting your hands on the edge of the storm collar.
7. Place the storm collar around the chimney and put the collar together like a belt in belt loops. Slide the end of the collar under the two loops on the other end with the loops facing up. Overlap the ends of the collar until it is tight against the chimney. Bend the free end of the collar back over the loops to hold the storm collar securely together. The excess end of the storm collar may be trimmed off.
8. Slide the storm collar down snugly against the flashing until the excess mastic left in step six is forced up into the crack between the storm collar and the chimney. This should make the joint between the flashing and the chimney watertight.
9. Install the SC chimney cap by placing the cap into matching parts of the last chimney section as shown by figure 21. Push down until the brackets on the bottom of the chimney cap sits on the chimney pipe. Then punch or drill 1/8 inch diameter holes in the inlet air duct (chimney pipe) where specified on the brackets and fasten it down with the No. 8 screws provided.
10. Check all the parts of the fireplace, chimney and chimney termination cap to assure that no parts have been damaged or bent during installation and that all parts have been installed properly.

NOTE: The metal used for the chimney and chimney cap has a rust protective coating but the cut edges of the parts are not protected. To prevent rusting and rust staining of nearby structures, exposed parts of the chimney and chimney cap should be detergent washed and painted with a galvanize primer paint.

OUTSIDE COMBUSTION AIR PRECAUTIONS AND RECOMMENDATIONS

NOTE: The use of outside air for combustion is optional unless required by building codes. It is only necessary to supply outside combustion air to one side of the fireplace. Use the model OAC4 combustion air kit.

1. Extremely long runs (25 ft. or more) and numerous turns in the duct leading from the fireplace to the combustion air assembly should be avoided. These conditions will increase the resistance to the free flow of air through the duct, thus lowering the efficiency of the fireplace. Refer to figure 22 for typical methods of installing the outside air for combustion assemblies.
2. The combustion air assembly should be located at an exterior location which is not likely to be accidentally blocked in any manner. The assembly should be located above the snow line to prevent blockage by snow accumulation.
3. The combustion air inlet assembly should never be mounted in a garage or storage area where combustible fumes such as gasoline might be drawn into the fireplace.
4. Combustion air can be drawn from the crawl space under a house when an adequate supply of air is provided by open ventilation.
5. Do not take combustion air from attic space or garage space.

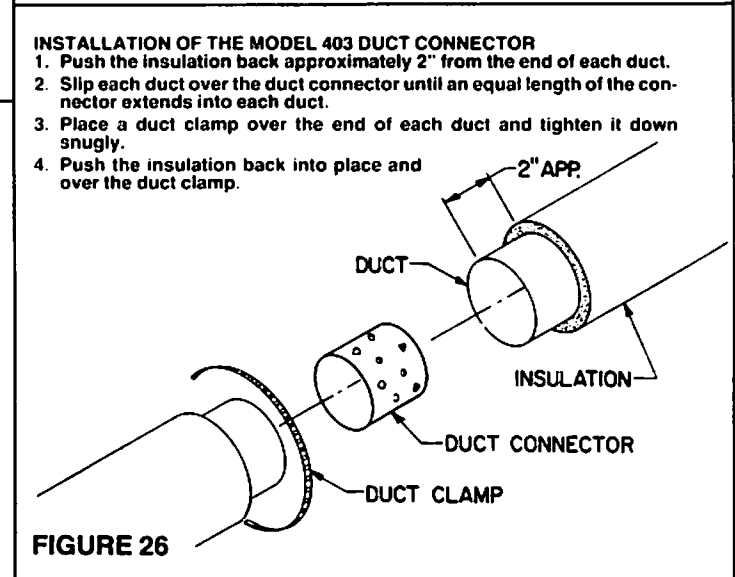
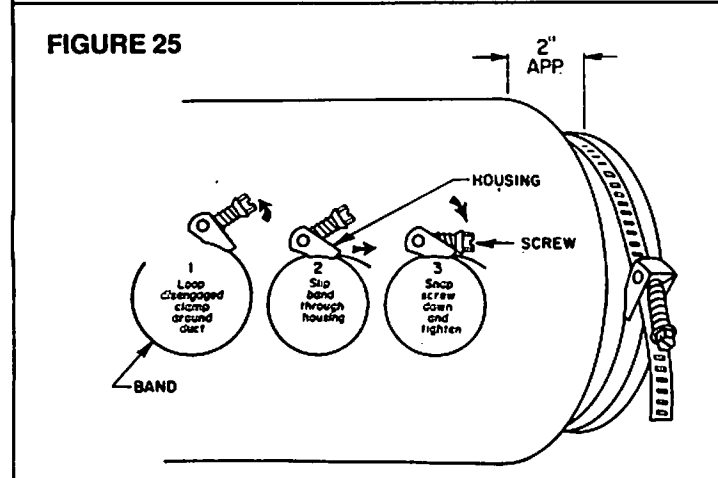
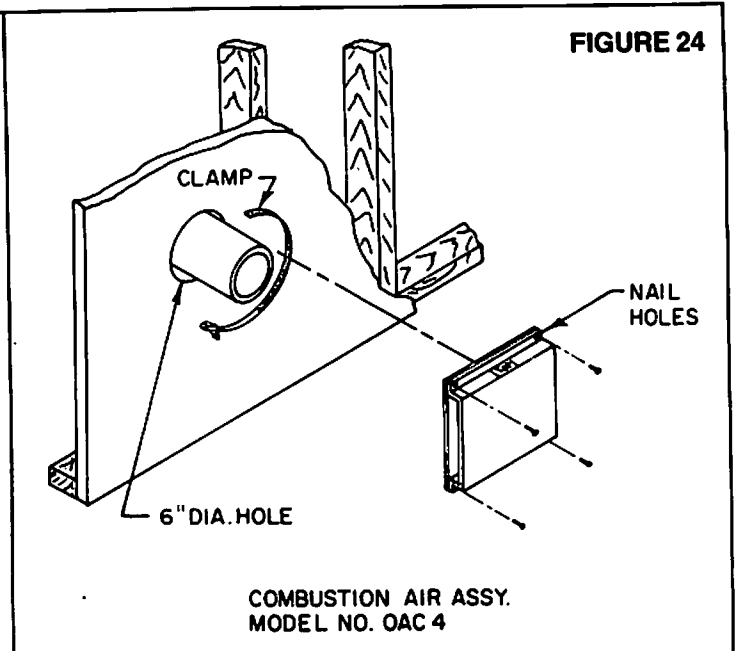
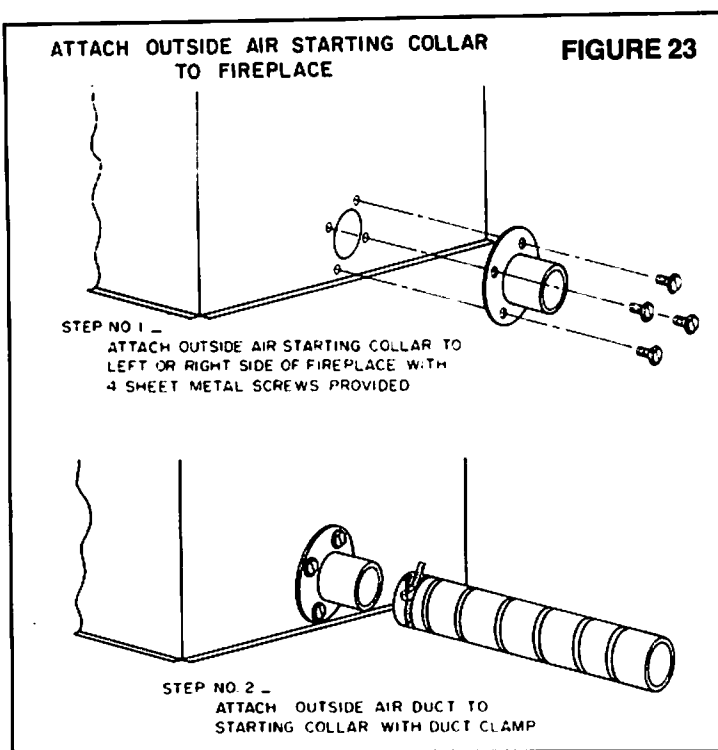


COMBUSTION AIR ASSEMBLY INSTALLATION PROCEDURE

Model OAC4 Combustion Air Assembly

1. Remove the cover cap from the 4 inch outlet opening location on the left or right outside surface of the fireplace. Do not remove the cover if the outside air will not be connected.
2. Fasten the (4 inch) starting collar over the hole on the left or right side of the fireplace with the four sheet metal screws provided. (See figure 22.)
3. Cut a 6 inch diameter opening for imodel OAC4 in the outside wall covering where the model OAC4 outside grille is to be located. (See figure 24.)
4. Select and cut a piece of duct of sufficient length to attach to the fireplace and protrude at least three inches beyond the face of the wall to which the OAC4 inlet air box assembly will be attached. The duct may be cut with a standard pocket knife. (Use Martin FP-4-U duct for maximum efficiency and safety.) Do not use a combustible duct. Always use UL Listed Class 0 or 1 duct material.
5. If the duct is the insulated type, push the insulation back from one end of the duct approximately two inches. (See figure 25.)
6. Slip the exposed end of the duct over the flange tube of the fireplace.
7. Place the duct clamp around the exposed end of the aluminum duct.
8. Slip the band through the housing, then pull the band tight around the duct.
9. Snap the band locking screw down and tighten it with a screwdriver or nutdriver. (See figure 25.)
10. Nail or screw the combustion air assembly to the surface of the wall.

NOTE: If the wall covering is brick or stone, use appropriate masonry fasteners. Mount the combustion air assembly with "TOP" upward to prevent rain from entering the assembly. Be sure the 6 inch diameter opening around the air duct is sealed with insulation material to prevent cold air from entering through the wall. If it is necessary to splice the duct, a model 403 duct connector should be installed as described by figure 26.



INSTALLATION OF GAS LOGS OR LOG LIGHTER IN THE FIREPLACE

WARNING: Improper installation or operation of a gas appliance in this fireplace can allow unburned gas to leak out which will cause serious injury or death to its inhabitants. To reduce these risks to a minimum, the following important notices and instructions should be read and followed carefully:

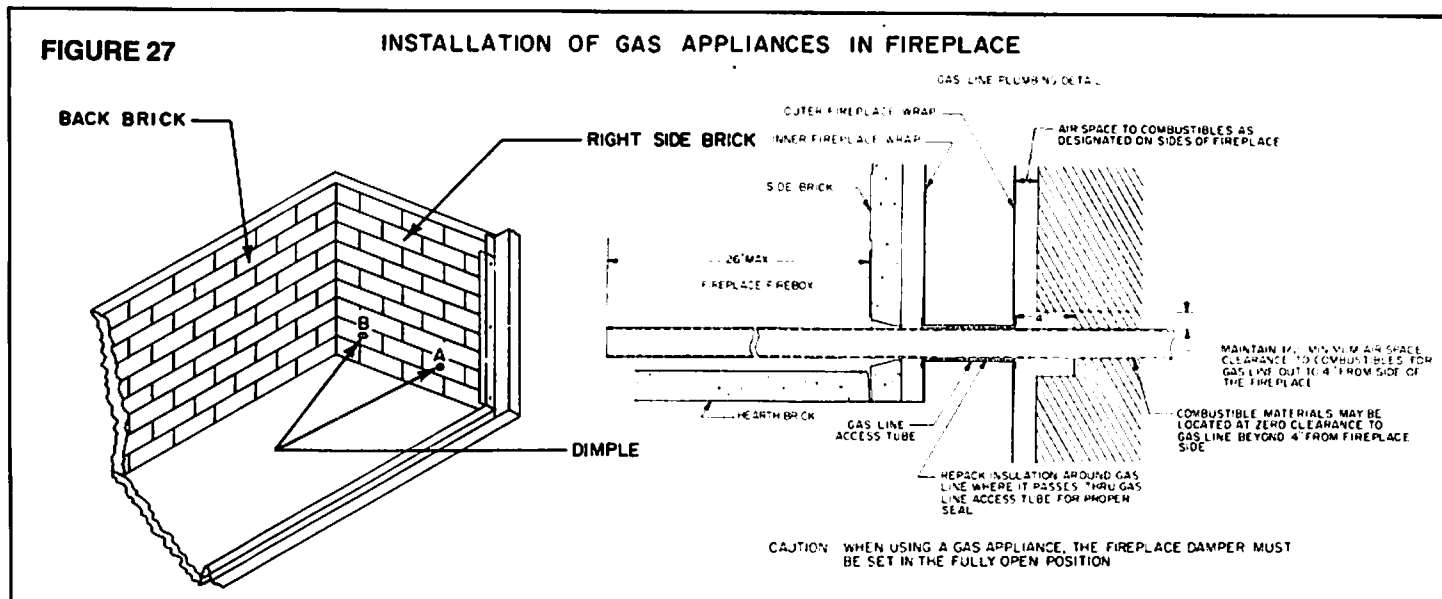
IMPORTANT NOTICES

1. The gas pipe provision is intended for connection to a decorative gas appliance only in accordance with the Nation Fuel Gas Code, ANSI Z223.1-1984 or later edition.
2. An approved gas shut off valve must be located outside the fireplace in an area accessible to the users of the fireplace.
3. All gas piping and fittings must be either steel or malleable iron.
4. Some code authorities prohibit or place restrictions on the use of gas appliances in fireplaces. Check with local code authorities before proceeding with the installation.
5. The gas appliance and all connecting gas piping should only be installed by a licensed gas appliance installer. See figure 11 for the gas line opening dimensions on the fireplace.
6. The installer should advise the persons who will use the appliance to set the fireplace damper in the full open position when the appliance is in use.

The following instructions only apply to passing the gas line through the fireplace wall. Follow the instructions provided by the appliance manufacturer for attaching the appliance to the gas line, testing, and adjusting it.

1. Remove the side brick from the fireplace and locate the dimple "B" referred to by figure 27.
2. Tap out a round hole in the side brick with a hammer by tapping lightly on the protrusion on the surface of the brick at the point opposite the round depressed area visible on the back of the brick.
3. Remove the two screws that hold the cover plate on the jacket wrap and discard the cover plate.

4. Use a screwdriver or similar tool to push the loose insulation out of the tube between the firebox and the outer jacket of the fireplace.
5. Install the gas pipe through the tube between the firebox and the jacket.
6. Attach the gas appliance to the gas pipe according to the appliance makers instructions.
7. Pack the insulation removed in step 4 around the pipe to prevent air flowing through the tube either into or out of the firebox.
8. Be sure the gas is turned off at the appliance, then turn the gas on at the cut off valve and test the gas line connections for leaks with a soapy water solution or a liquid leak detector. **DO NOT USE A MATCH OR OTHER FLAME SOURCE TO CHECK FOR GAS LEAKS.** If a gas leak is detected, turn the gas off immediately and fix the leak.
9. Proceed with testing the appliance for leaks and adjusting it as required by the appliance manufacturers instructions.



APPLYING DECORATIVE TRIM TO THE FIREPLACE

DO NOT ALLOW THE TRIM MATERIALS TO EXTEND CLOSER THAN 3/8 INCH TO THE VERTICAL EDGES OF THE FIREBOX OPENING IF YOU PLAN TO EQUIP THE FIREPLACE WITH GLASS DOORS.

The face of your fireplace may be left exposed or trimmed with any noncombustible material such as brick, stone or marble. If a trim is installed, be sure it is fastened snugly to the face of the fireplace. A crack between the trim material and the face of the fireplace could pose a fire hazard and impair the proper operation of the fireplace. (See figure 28.) Blocking the fireplace with framing and attaching the base to the supporting floor will further reduce the possibility of such a crack developing.

Wall ties should be fastened to the face of the fireplace with sheet metal screws and placed in the mortar joints of masonry trim. Combustible materials must not be installed below the top spacers of the fireplace or overlap the sides of the fireplace face. Seal the face of the fireplace to the surrounding wall with non-combustible caulk or trim materials to prevent cold air leakage around the fireplace.

The trim should not block or restrict in any way the flow of air into the cold air inlet or warm air outlet louvers in the face of the fireplace. (See figure 28 and 29.)

Be sure to provide the required floor protection as described in a preceding section of this manual. (See figure 10.)

GLASS DOOR INSTALLATION

This fireplace has been tested and listed for use with Martin model WB36LR glass doors. These glass doors are sold as optional equipment. Decorative noncombustible trim attached to the face of the fireplace should not extend closer than 3/8 inch to the side of the firebox opening to avoid interference with the installation of the glass doors. Be sure to carefully read the section of these installation instructions pertaining to trimming the fireplace. Thoroughly read the installation instructions provided with the Model WB36LR glass doors. (See figure 31).

INSTALLATION OF NON-COMBUSTIBLE FACING MATERIALS TO THE FRONT FACE OF THE FIREPLACE FOR B36LA, B36RA, C36LA, AND C36RA

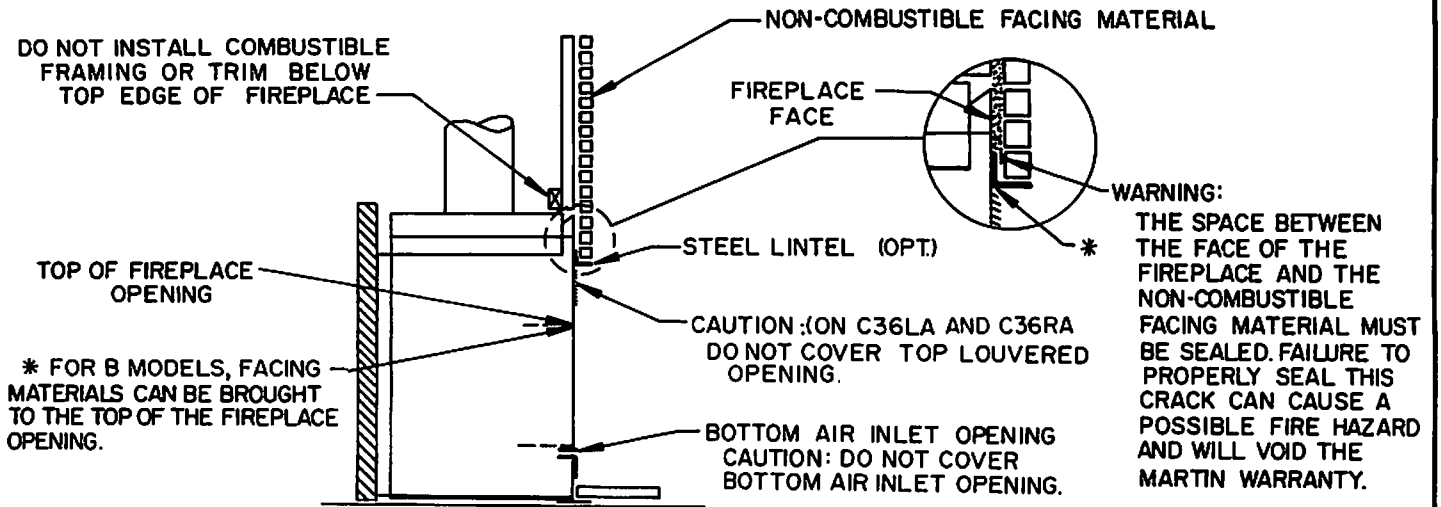
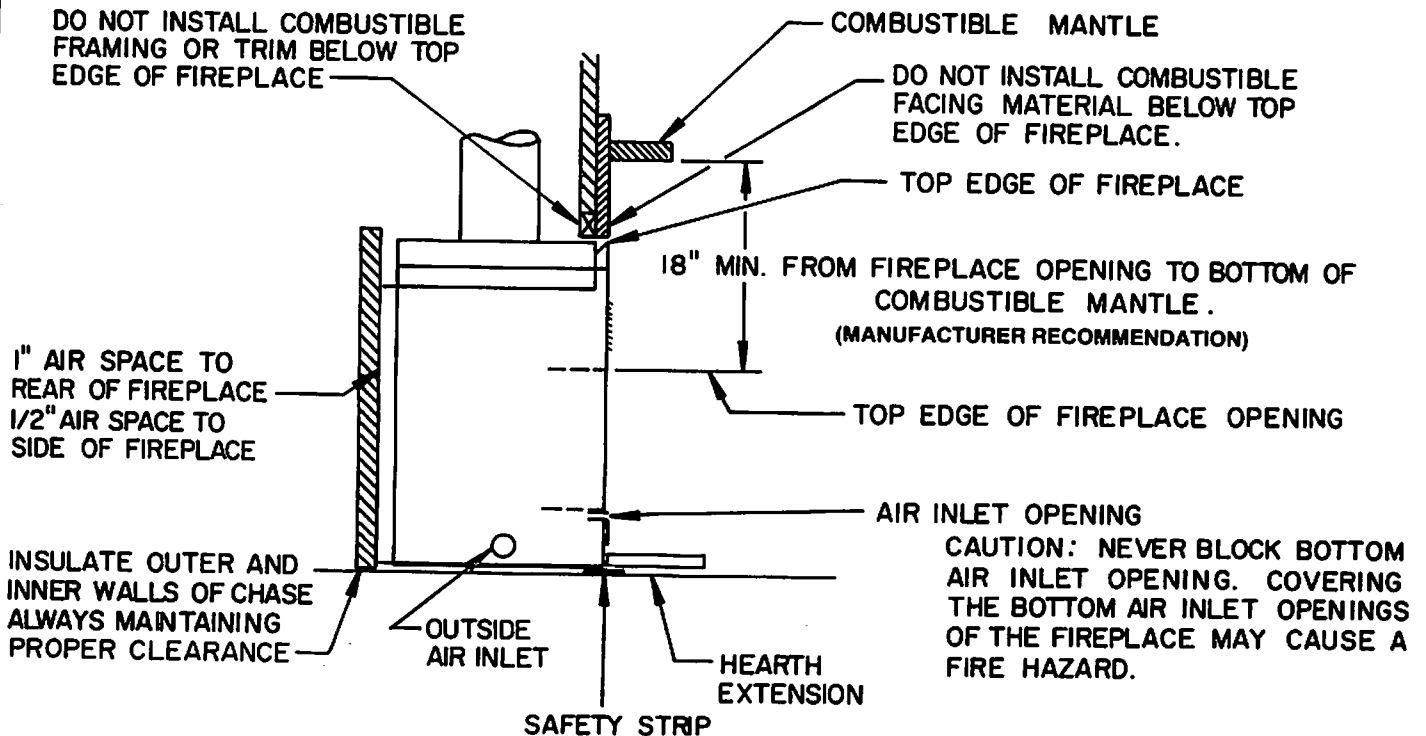


FIGURE 28

NOTE: ON B36LA OR B36RA MODELS, NON-COMBUSTIBLE MAY BE INSTALLED TO THE TOP OF THE FIREPLACE OPENING. THIS FACING MATERIAL MUST BE SECURED AND SEALED TO THE FACE OF THE FIREPLACE. FAILURE TO PROPERLY SECURE AND SEAL NON-COMBUSTIBLE FACING MATERIALS TO THE FIREPLACE CAN CAUSE A POSSIBLE FIRE HAZARD AND WILL VOID THE MARTIN WARRANTY.

INSTALLATION OF COMBUSTIBLE DECORATIVE TRIM AND THE FIREPLACE SURROUND ON B AND C CORNER

FIGURE 29



OPERATION OF THE FIREPLACE

WARNING: IF A DECORATIVE GAS APPLIANCE IS USED IN THE FIREPLACE THE FIREPLACE DAMPER MUST BE SET IN THE FULLY OPEN POSITION.

(See additional operation information in section titled "How the Fireplace Operates".)

Advantages Of A Wood Burning Fireplace

A point to consider, especially in these times, is that wood is renewable fuel resource. Coal, oil, and gas, once used, cannot be replaced. But new trees can always be planted to maintain a consistent supply.

Wood has a low ash content. And the little ash that remains after burning is useful in home gardening as a fertilizer and soil conditioner.

These are the practical, ecological advantages of wood as a fuel. Also to be considered is the aesthetic appeal. Most of us consider a wood fire with nostalgia. We enjoy the aroma, and find the flickering light of a cozy hearth conducive to a happy remembrance of things past.

Which Woods Are Best?

Each wood species offers something different in aroma or heat value, and you should consider your needs and desires before building your fire.

Softwoods, like pine, spruce, and fir are easy to ignite because they are resinous. However, a fire built entirely of softwoods burns out quickly and requires frequent replenishment. While a softwood fire is not too desirable for a long evening, it's fine in the morning when you want quick warmth, or for late evening when you want a fire that will burn out before you go to bed.

On occasion when a longer fire is desired, it's best to combine softwoods with the heavier hardwoods such as ash, beech, birch, maple, oak, and hickory. These hardwood species burn less rapidly, with shorter flames, and produce steady, glowing coals.

For the most pleasing aroma, you'll want to burn the woods of fruit trees such as apple and cherry, or nut trees such as beech, hickory, and pecan. Such wood is generally more expensive, but a little combined with other woods, goes a long way. Start your fire with a mixture of softwood and hardwood; then add some fruit or nut woods for nostalgic wood aroma.

Since most woods will not burn well when freshly cut, the wood you purchase should be reasonably dry. The sizes you buy are dictated by the size of your fireplace. Purchase logs that will fit when laid across your grate, and ask that the larger, heavier logs be split. Kindling should be short, easily-split lengths of softwood, lumber yard or mill scraps, or twigs and branches gathered from your yard.

How To Build A Better Fire

The first three fires should be of moderate size to allow the fireplace to adjust and the bricks to cure before being subjected to larger fires.

First, make sure your room is well ventilated, your damper open, and the flue is unobstructed. Then make sure your wood is dry and seasoned. Unseasoned wood burns poorly and coupled with poor ventilation or an obstructed chimney, leads to smoking problems.

If your fireplace is equipped with an outside combustion air inlet, open it.

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR "FRESHEN UP" A FIRE IN THIS FIREPLACE. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE FIREPLACE WHILE IT IS IN USE.

Begin laying your fire by placing two logs on the iron grate or firebasket, and laying the tinder between them. Tinder may be dry scrap paper, twigs, or dry bark. Place above this a small handful of twigs or split softwood kindling. Then place more dry logs over this base. Keep logs close together, since narrow air spaces between them promote better drafts, and heat reflected between adjacent surfaces aids in raising and maintaining combustion temperatures.

You'll need a minimum of three logs, and preferably four, to make a good fire. Add kindling and new logs as needed to rekindle a dying fire. New logs should be added at the rear grate after raking the coals toward the front. **DO NOT OVERFIRE THE FIREPLACE.** Overfire conditions may be created by large amounts of kindling, building scraps, or other improper fuels.

Ashes, important because they form a bed for glowing coals, should only be left to accumulate within an inch or two of the bottom of the grate. Excess ashes can be used to check a flaming fire; or to "bank" your fire, cover the logs with ashes. A "banked" fire will hold glowing coals for 8-10 hours, thereby saving a morning fire for evening use, or vice versa.

Wood Vs. Fossil Fuels

Compared to fossil fuels, a full cord of dry hickory weighs about two tons and is approximately equal in heating value to a ton of hard coal. On a pound for pound basis, heavy hardwoods have about half the heating value of coal.

The following tabulation shows the relative densities and heat values of a variety of dry woods. Those toward the top of the list burn longer. Those toward the bottom ignite and burn quicker; therefore, the best fire is a combination of both light and heavy woods.

SPECIES	DENSITY	HEAT VALUE
Dogwood	.70-.79	100-107
Hickory	.70-.74	100
Oak	.60-.73	86- 99
Black Locust	.69-.70	95- 98
Beech	.64-.66	89- 91
Hard Maple	.58-.65	83- 88
Birch	.55-.64	79- 86
Apple	.58-.62	83- 84

SPECIES	DENSITY	HEAT VALUE
Ash	.57-.61	81-82
Southern Pine	.51-.60	73-81
Elm	.50-.59	71-80
Cherry	.50-.52	70
Douglas Fir	.45-.51	64-69
Spruce	.41-.44	59
Redwood	.33-.40	47-54
White Pine	.35-.37	50

A Few Words Of Caution

Beware of burning certain materials in your fireplace. Among these are plastics, poison ivy twigs and stems, and chemically treated woods such as discarded poles and railroad ties. These not only create air pollution, but can induce extreme irritation for some individuals.

Use hemlock, spruce, juniper, and other resinous woods with caution. They contain moisture pockets which, upon heating, "pop" with considerable vigor.

Always use a firescreen. And always "bank" a fire, or, at least, push all unburned fuel to the rear of the grate before leaving a fire unattended. Do not use this fireplace as an incinerator.

Because the termination of the chimney above the roof is exposed to wind and cold and the pressure changes these and other environmental conditions may cause, a sufficient chimney draft may be hard to establish at times. At other times the draft may be sufficiently disrupted to cause smoke to spill from the fireplace opening. If problems with chimney draft occur, help start a chimney draft before you build a fire by holding a piece of burning paper near the flue opening at the top of the firebox to preheat the chimney. If smoke spills from the fireplace opening after the fire is burning, open a window on the up wind side of the house that is far enough away from the fireplace that the wind will not blow across the fireplace opening, push the burning wood as near the back of the fireplace as possible, and if the fireplace is equipped with glass doors, close them.

DO NOT LEAVE CHILDREN OR PHYSICALLY OR MENTALLY HANDICAPPED, OR SENILE PERSONS ALONG WITH A BURNING FIREPLACE.

Fuel Storage

Wood can be dried sufficiently for burning within a few weeks if protected from rain in a low humidity area. It is far better to cut wood and allow it to dry for a year. In all cases, the wood should be stacked so that both ends of the sticks are exposed to the air and protected from rain. The drier the wood, the more usable heat produced by the fire and the less likely rapid accumulation of soot and creosote within the chimney is to occur. See the section of this manual concerning chimney maintenance for information concerning the hazards of soot and creosote accumulation. Small quantities of wood required for fire tending must be kept at least 30 inches from the fireplace.

Disposal Of Ashes

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground well away from all combustible materials pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled. Ashes should never be placed in a container with combustible materials.

FIREPLACE AND CHIMNEY MAINTENANCE

CHIMNEY MAINTENANCE:

CREOSOTE-Formation and Need for Removal

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire.

The chimney should be inspected at least twice a year during the heating season to determine if a creosote buildup has occurred.

If creosote has accumulated it should be removed to reduce the risk of a chimney fire.

The chimney cap can be removed for inspection, maintenance and cleaning by removing three screws from the support legs and lifting upward.

When the fireplace is first placed in use, inspect the chimney frequently and clean the chimney any time an accumulation 1/8 inch thick or more is observed on the flue walls. The frequency of these inspections can be increased or reduced appropriately after a pattern of accumulation has been established. Please note, however, that changes in the outside environmental conditions, such as temperature and humidity, or changes in the operation of the fireplace can lead to rapid buildup of soot and/or creosote.

To clean the chimney, obtain the services of a qualified and reputable chimney sweep, or remove the accumulation with brushes on wooden or fiberglass poles. Do not use metal pipes, chains, wires, etc., to clean the chimney because such items can scratch the surface of the stainless steel flue which can shorten the life of the flue and provide a rough surface for soot particles to attach to.

Be sure to cover nearby furnishings and arrange some method of catching soot and creosote particles that may fall during the chimney cleaning process. If glass doors are installed on the fireplace, they should be closed. Extra caution must be used to avoid damage to the flue damper during the cleaning process.

In addition to checking and cleaning the chimney on a regular basis, be sure to inspect the chimney before starting a fire at the beginning of each heating season. Make sure the chimney is clear from any accumulation of soot, creosote or any other debris, and that all joints are intact.

Martin Industries does not recommend chemical cleaners because some may contain elements that corrode the metal parts of the chimney or fireplace.

FIREPLACE MAINTENANCE:

At the end of each heating season or when the fireplace will not be in use for an extended time, the ashes should be removed and the hearth area should be swept as clean as is practical. The slow absorption of moisture into the ashes over a long period of time could cause a condition which would be corrosive to the metal fireplace parts.

At the beginning of each heating season, always operate the flue damper and make sure it has not become stuck from soot, creosote, etc., during the period of inactivity.

Keep the lower and upper grille panels clean and free from dirt and lint accumulation at all times to get the maximum efficiency from your fireplace.

As you use the fireplace, expansion and contraction will cause minor cracking of the hearth, back, and side refractory materials. This is normal and unavoidable. If the cracks become large enough or parts dislodge and the metal behind the refractory is exposed, the refractory panels should be replaced with new panels that can be obtained from your Martin fireplace dealer.

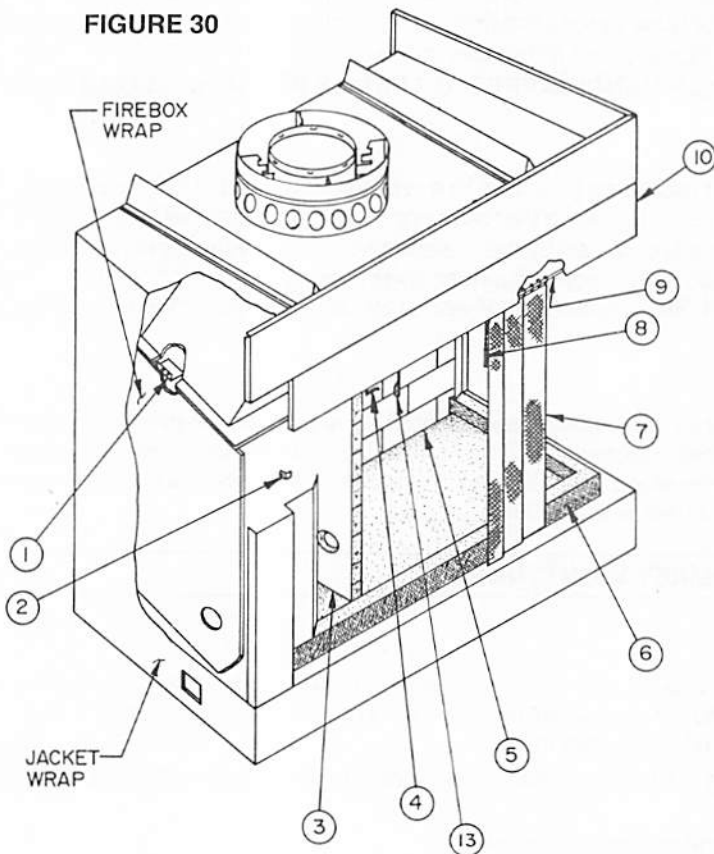
B36LA

KEY NO.	PART NAME	PART NUMBER	QTY. Per Ill.
1	Retainer Side Brick	020270	1
2	Retainer	Z19901	2
3	Firebrick Side Assy. Right	014012	1
4	Rod Outside Air	020293	1
5	Firebrick Back Assy.	014048	1
6	Hearth Refractory	029986	1
7	Screen Panel	026400	2
8	Screen Pull	026391	2
9	Rod Screen Weld Assy.	021673	1
10	Panel Upper Ptnd.	021541	1
11	Rod Damper	037390	1
12	Damper Weldment	037393	1
13	Damper Handle	037391	1

B36RA

KEY NO.	PART NAME	PART NUMBER	QTY. Per Ill.
1	Retainer Side Brick	020270	1
2	Retainer	Z19901	2
3	Firebrick Side Assy. Left	021663	1
4	Rod Outside Air	020293	1
5	Firebrick Back Assy.	014048	1
6	Hearth Refractory	029987	1
7	Screen Panel	026400	2
8	Screen Pull	026391	2
9	Rod Screen Weld Assy.	021590	1
10	Panel Upper Ptnd.	021542	1
11	Rod Damper	037390	1
12	Damper Weldment	037393	1
13	Damper Handle	037391	1

FIGURE 30



ORDERING PARTS:

Replacement parts for your fireplace can be obtained from your Martin dealer. Should you need additional information beyond what your dealer can furnish, contact Martin Industries, Inc., P.O. Box 128, Florence, AL 35631. When ordering parts, specify:

1. Fireplace model number;
2. Component model number (if known);
3. Part number and key number;
4. Part name; and,
5. Quantity.

CHECKLIST OF DO'S AND DON'TS

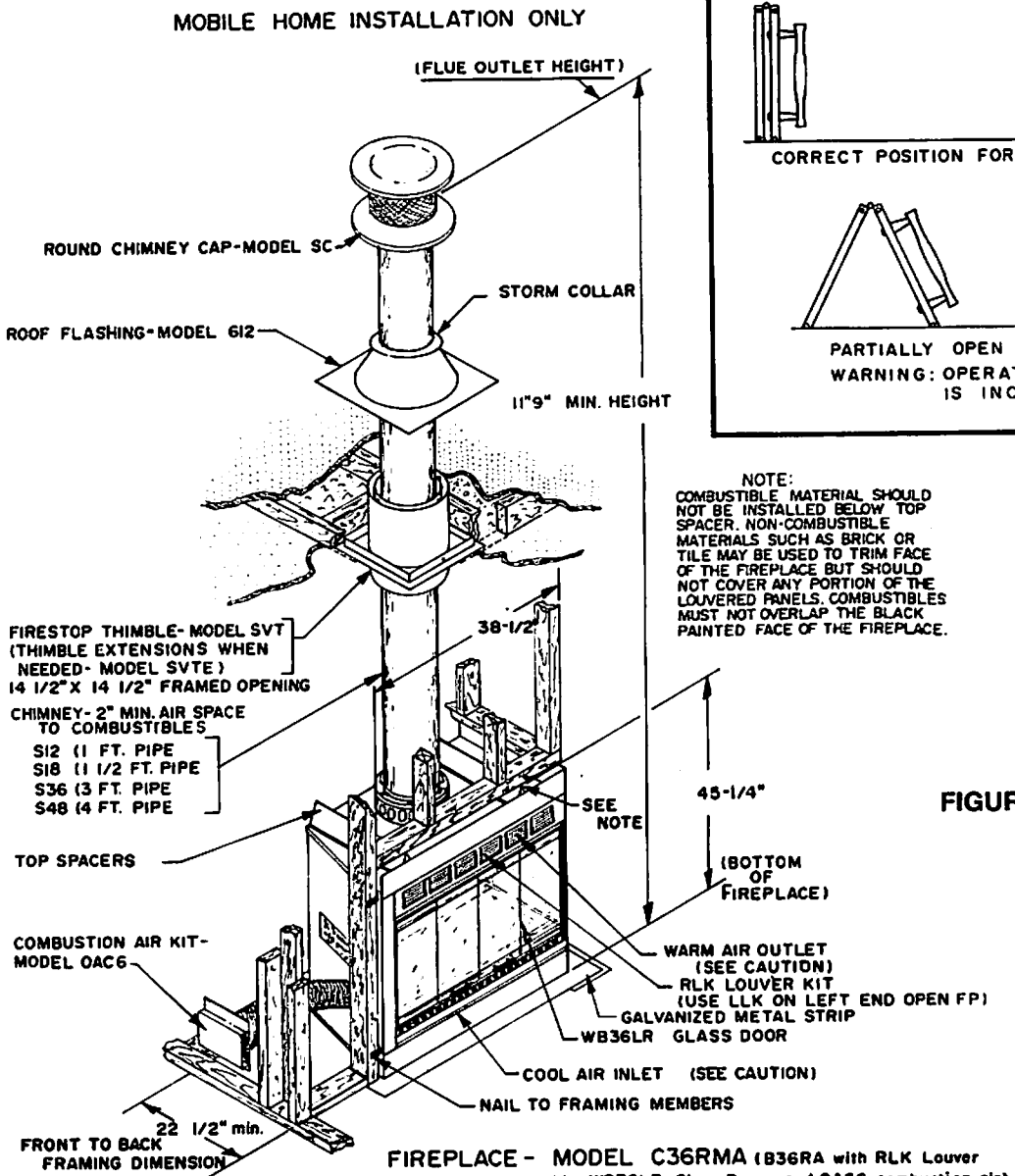
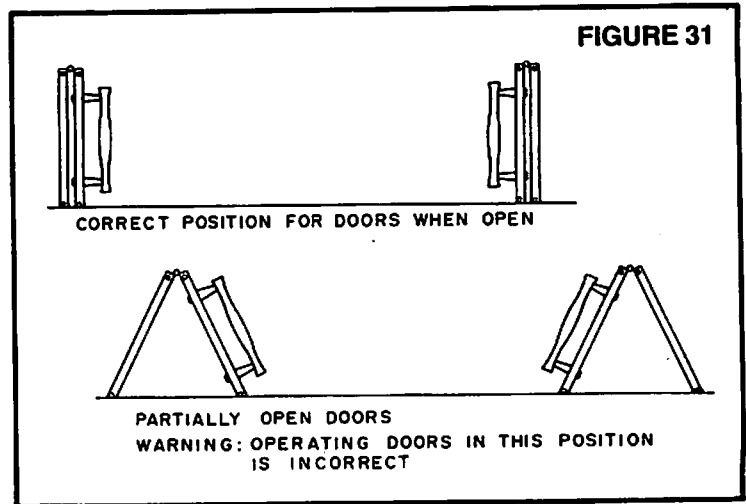
DO'S

1. Do check with local building officials to be sure the installation of the fireplace complies with all building codes and requirements and obtain required building permits.
2. Do plan your installation with safety as your primary consideration.
3. Do use only the prescribed materials and parts for the installation of the fireplace.
4. Do insulate the exterior walls surrounding the fireplace to prevent excessive heat loss from the fireplace.
5. Do trim the face of the fireplace only with noncombustible materials.
6. Do attach the noncombustible face trim materials firmly to the face of the fireplace.
7. Do block in or fasten the fireplace to prevent the possibility of the fireplace shifting out of position.
8. Do enclose the chimney where it passes through living spaces or spaces accessible for storage purposes to prevent contact with the possible damage to the chimney.
9. Do install firestop spacers at each ceiling level when the chimney is installed in a multistory building.
10. Do install the proper chimney cap on the chimney to prevent rain and debris from entering the chimney.
11. Do keep all flammable liquids, gases and pressurized containers away from the fireplace.
12. Do check the fireplace for proper adjustment and operation before leaving it unattended for long periods of time.
13. Do inspect and clean the fireplace chimney regularly.
14. Do keep the firescreens closed when the fireplace is left unattended to minimize the danger of sparks popping out of the fireplace.
15. Do use a grate basket or andirons to minimize the danger of logs rolling out of the fireplace.
16. Do start a fire only with paper, kindling or solid composition fire starters specifically designed for starting a fire. The use of liquid fire starters can cause an explosion within the fireplace.
17. Do place all ashes in a metal container with a tight fitting lid and place them on a noncombustible surface well away from other combustible materials until they have completely cooled.
18. Do store your fuel supply at a distance equal to or greater than the spacing recommended for combustible materials from the fireplace.
19. Do build fires of moderate intensity in the fireplace for the first three fires to allow the materials to adjust and cure before being subjected to the intense heat of a large fire.

DON'TS

1. Don't allow other installations or operation considerations to take priority over safety considerations.
2. Don't attempt to use the fireplace until the installation is complete.
3. Don't use unlisted parts and accessories with the fireplace except for special flashings that may be fabricated locally.
4. Don't use damaged parts or accessories with this fireplace.
5. Don't install the fireplace in an exposed or uninsulated area.
6. Don't install fireplace over carpeting.
7. Don't install the fireplace on a poorly constructed base or fail to fasten down or attach the fireplace to prevent it from shifting out of position.
8. Don't create or allow a crack to develop between the metal face of the fireplace and noncombustible trim.
9. Don't neglect to fasten all elbow and chimney support straps firmly to a load-bearing part of the building.
10. Don't use power blowers or air circulation systems with this fireplace that are not specifically recommended by Martin Industries.
11. Don't install the fireplace where flammable or explosive liquids or vapors are likely to be present.
12. Don't neglect all the considerations mentioned in this manual concerning clearances to combustibles, spacing from obstructions and proper chimney height when selecting the location and installing the chimney.
13. Don't allow insulating materials to contact the chimney.
14. Don't neglect to install firestop spacers as required.
15. Don't use more than four elbows in the chimney.
16. Don't use elbows in combination so as to incline the chimney more than 30 degrees from vertical.
17. Don't extend the inclined portion of an offset chimney more than six feet unsupported or 15 feet when supported at six foot intervals.
18. Don't neglect to apply caulking or mastic to the required joints of the flashing and between the flashing and roof.
19. Don't dry clothing or other articles near the fireplace.
20. Don't store or place flammable liquids, gases or pressurized containers near the fireplace.
21. Don't neglect to instruct all responsible persons in the proper and safe operation of the fireplace.
22. Don't fail to instruct all persons, especially children and elderly persons, concerning the hazards of improper operation and unauthorized tampering with the fireplace.

23. Don't use this fireplace to burn paper, cardboard, or other debris.
24. Don't neglect to inspect and clean the chimney regularly.
25. Don't operate the fireplace with the glass firescreen doors partially open. The doors should always be fully open or fully closed.
26. Don't use gasoline, kerosene, engine oil, charcoal lighter, or other flammable liquids to start or intensify a fire. Using these and similar materials can cause an explosion within the fireplace.
27. Don't store your fuel supply closer to the fireplace than the minimum spacing required for combustible materials.
28. Don't subject the fireplace to the intense heat of a large fire the first three times the fireplace is used, but build moderate fires to allow the materials to cure and adjust.
29. Don't clean the chimney with metallic devices or chemical cleaners.
30. Don't use the fireplace or chimney for venting wood or coal burning heaters or inserts.
31. Don't place combustibles within 46 inches of the fireplace opening.
32. Don't use the fireplace with the side doors open.



NOTE:
 COMBUSTIBLE MATERIAL SHOULD NOT BE INSTALLED BELOW TOP SPACER. NON-COMBUSTIBLE MATERIALS SUCH AS BRICK OR TILE MAY BE USED TO TRIM FACE OF THE FIREPLACE BUT SHOULD NOT COVER ANY PORTION OF THE LOUVERED PANELS. COMBUSTIBLES MUST NOT OVERLAP THE BLACK PAINTED FACE OF THE FIREPLACE.

FIGURE 32

FIREPLACE - MODEL C36RMA (B36RA with RLK Louver kit, WB36LR Glass Door, and OAC6 combustion air)
 MODEL C36LMA (NOT SHOWN) same as above except uses LLK Louver Kit on the model B36LA Fireplace.

