

KIVA FIREPLACE CHIMNEY SYSTEM BUYING GUIDE

The function of the Chimney System is to evacuate smoke and toxins from the Firebox Assembly to the outside. The Chimney System consists of several components as illustrated in *Figure 1 - Chimney System Components*.

The Kiva Fireplace Kits from **Grand River Supply** require 8" Diameter Double Wall Chimney Pipe. The 8" diameter refers to the diameter of the inner pipe. This pipe is the evacuation pipe and when purchased from Grand River Supply this pipe is made of stainless steel.

The space between the inner pipe and the outer pipe forms an insulation barrier of cooler air. This allows the chimney installation to require as little as 2" of clearance from combustible materials.

Most installations will require at least one each of the following Chimney Components.

- Chimney Components
- Round Top (Spark Arrestor)
- Storm Collar
- Roof Flashing
- Firestop Spacer
- 30° Offset and Return
- Starter Collar (included with Kiva Fireplace Kit. Please specify FMI)

You will need enough Double Wall Chimney Pipe to reach the minimum height requirements. Measure the total height of the chimney from floor level to required overall height. Subtract the height of the firebox and starter collar. This will give you a rough estimate of the pipe required.

Double Wall Chimney Pipe is available in five lengths allowing your to mix and match to achieve the proper height.

- 12" Pipe
- 18" Pipe
- 24" Pipe
- 36" Pipe
- 48" Pipe

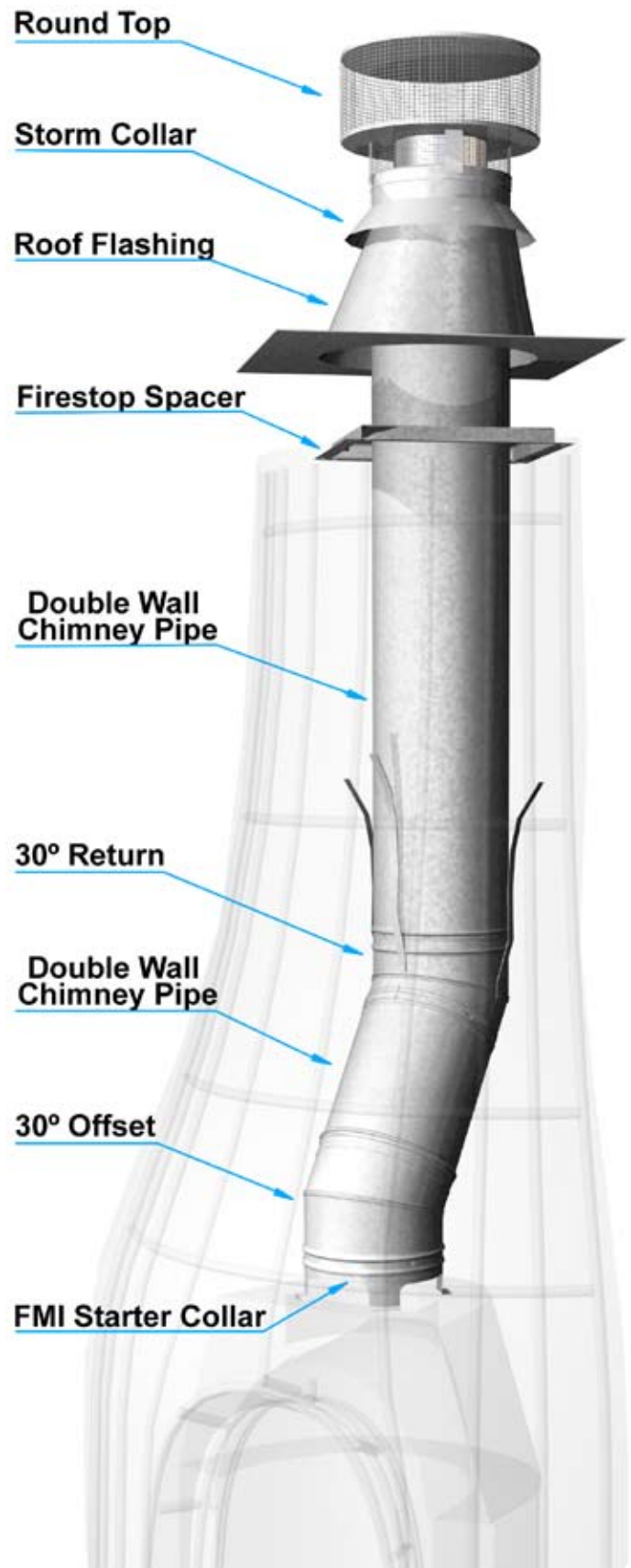


Figure 1

10 FOOT RULE

PITCHED ROOF INSTALLATION

- Double Wall Chimney Pipe must extend at least 3 feet above the highest point of the roof where it passes through
- On a pitched roof, the Double Wall Chimney Pipe must extend at least 2 feet above any structure or portion of the roof within 10 horizontal feet.

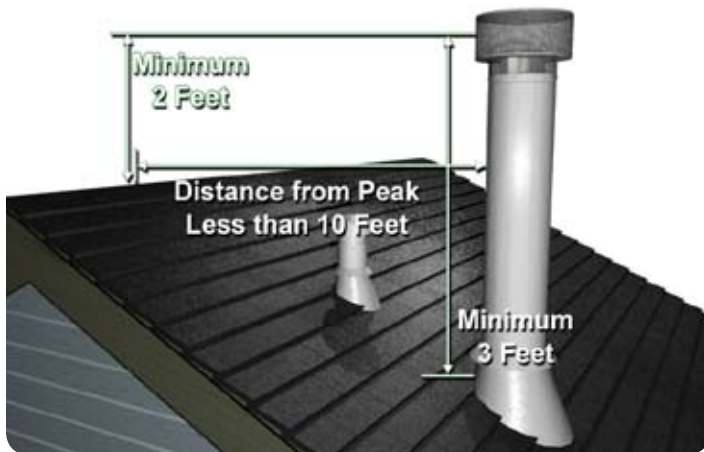


Figure 3

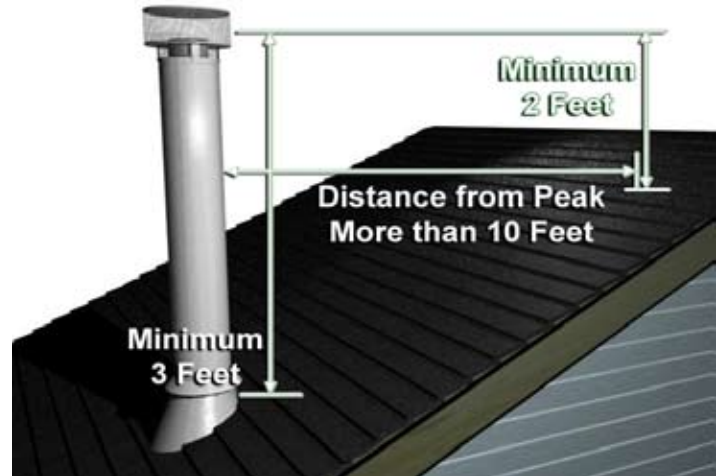


Figure 2

- Double Wall Chimney Pipe must extend at least 2 feet above the Peak of the roof if within 10 horizontal feet.



Figure 4

FLAT ROOF INSTALLATION

- Double Wall Chimney Pipe must extend at least 3 feet above the highest point of the roof where it passes through.
- On a flat roof the Double Wall Chimney Pipe must extend at least 2 feet above any structure within 10 feet horizontally such as a parapet or wall.

DETERMINING CHIMNEY NEEDS

1. Measure overall height of chimney from floor level to minimum chimney height requirement as illustrated in *Figure 5* on the next page and following the guidelines shown above.
2. Subtract Fireplace height of 46" (Kiva Firebox height of 43" plus 3" for starter collar)
3. Subtract rise (B) from Offset and Rise Chart on next page for the amount of offset required for you installation.
4. Sub-divide into available pipe section lengths of 12, 18, 24, 36 and 48 inches.
5. Add Offset Pipe lengths as indicated from Offset and Rise Chart on the next page

FORMULA

$$\text{Pipe Length} = \text{Total Chimney Height} - (\text{Fireplace} + \text{Offset Rise}) + \text{Offset Pipe from Chart}$$

CALCULATING CHIMNEY PIPE OFFSET & RISE

Typical offset for a Kiva Fireplace Kit installation is 12 3/4 inches with a rise of 30 3/4 inches, and requiring one 18 inch section of Double Wall Chimney Pipe as highlighted below.

OFFSET AND RISE CHART						
OFFSET	RISE	CHIMNEY LENGTH				
A	B	48"	36"	24"	18"	12"
4-3/8	16-3/8	ELBOW SET ONLY				
9-3/4	25- 1/2					1
12 - 3/4	30 - 3/4				1	
15	34-3/4			1		
18	40				1	1
21 -1/4	46 - 1/4		1			
23 - 3/4	49 - 1/4			1	1	
27 - 3/4	56 - 3/4	1				
30	60 - 3/4		1		1	
33	66	1				1
36	71	1			1	

See Installation Manual for Additional Chart information

30° OFFSET AND RETURN INFORMATION

- The offset is the distance a chimney must move horizontally to align with the chimney chase.
- To achieve desired offset, install a combination of 12", 18", 24", 36" and 48" lengths of double wall pipe between the 30° Offset and 30° Return. See Chart above for OFFSET and RISE information.
- Chimney weight above the Offset is supported by the straps attached to the 30° Return. Secure these straps to rafters, joists or studs with nails or screws.
- Maximum length of pipe between supports (30° Return elbow or optional Chimney Support) is 6' of angled run. Maximum of two angled run sections per chimney system.

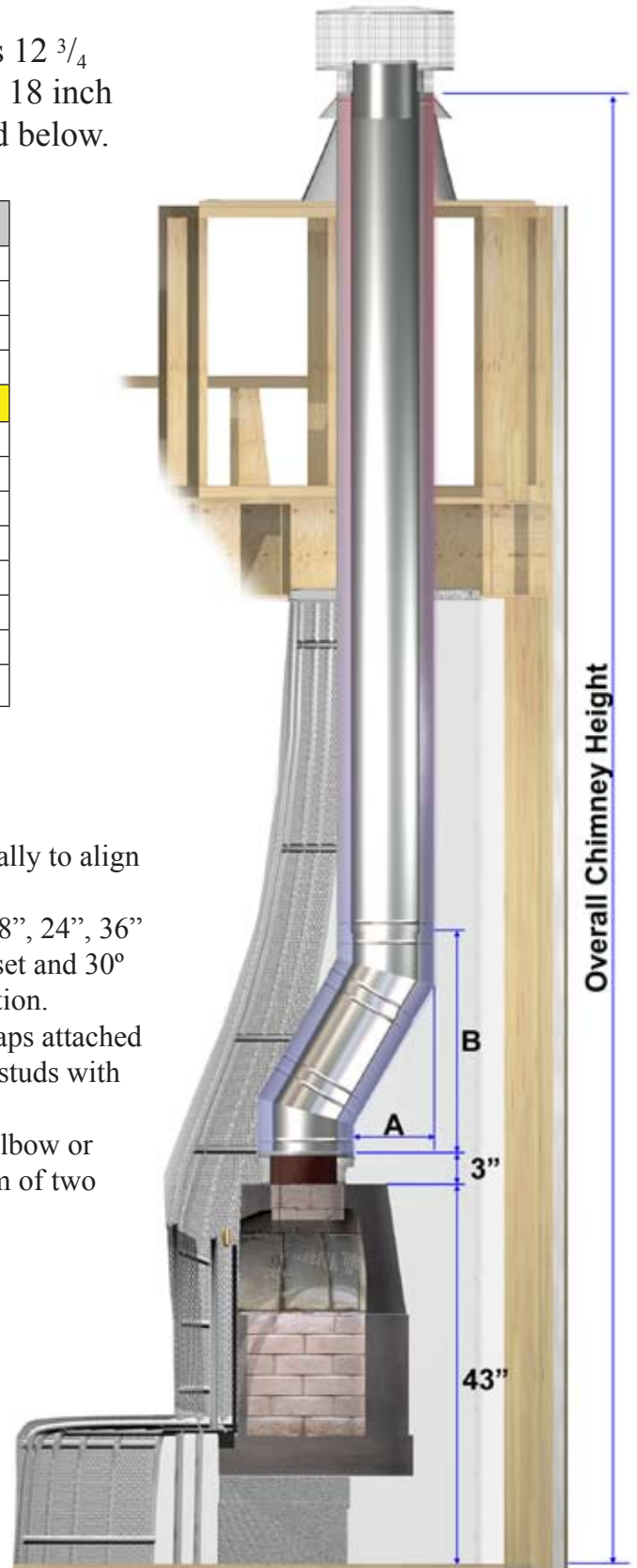


Figure 5



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