



Addendum to Installation Instructions

Additional Instructions for Alternative Chimney Installation for Superior™ Round Back Fireplaces with Bi-Fold Doors and Combustion Air Kit

P/N 900284-00 Rev. NC 10/2014



P900284-00

For use with Models

MHW36R
MHW36CB

INSTALLING THE CHIMNEY SYSTEM

Step 1. Before continuing, check the operation of the damper, as described on **Page 4**, (refer to **Figure 2**) of the *Installation Instruction and Care and Operations (IICO)* manual.

Step 2. Using standard construction framing techniques, construct opening for chimney route up through the ceiling(s) and roof or through an outside chase.

Framing must maintain adequate minimum air space clearance at all times.



CAUTION

Allow minimum 1" chimney air space to framing members throughout chimney installation. A minimum 1" air space must be maintained from all insulation and building materials extending for any continuous length surrounding the chimney.

Reference **Figures 10 and 11** in the *IICO* and their charts for framing dimensions at Ceilings and Roofs.

In new construction, to determine chimney center line, use plumb line from roof or ceiling above fireplace to center of flue collar on fireplace.

For remodeling, plumb to center of flue collar from ceiling above, drive nail through ceiling from below to mark position, then mark and cut to passage from above ceiling (around nail) (**Figure 1**). Then plumb from ceiling or roof level directly above hole which has just been completed.

Step 3. Position appropriate thimble/firestop spacer combination at ceiling and nail temporarily with two (2) 8d nails or equivalent fasteners (see **Figures 3, 4 and 5**). Use one fastener on opposite sides to hold thimble/firestop spacer combination in position.

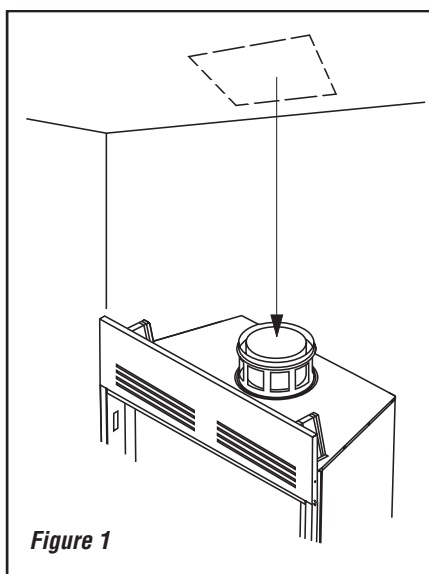


Figure 1

Nail permanently, using at least two (2) more fasteners, after chimney sections have been assembled through the thimble/firestop spacer combination and after any necessary adjustments have been made. Firestop spacer must be secured by at least four (4) fasteners when completely installed.

Note: If there is a room above ceiling level, firestop spacer must be installed on the bottom side of the ceiling. If an attic is above ceiling level, firestop thimble must be installed on the bottom side of ceiling joist (**Figure 2**).

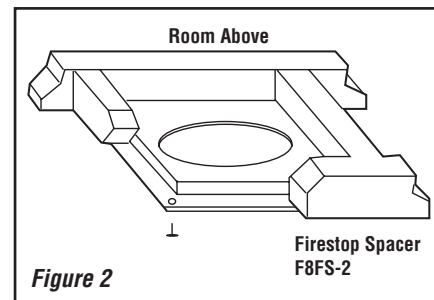


Figure 2

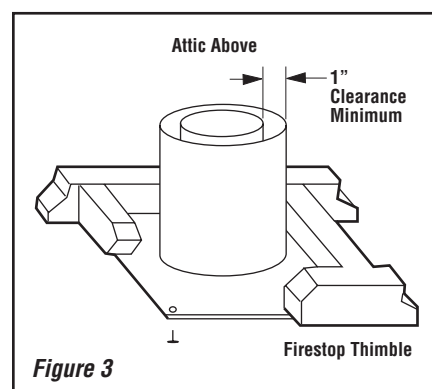


Figure 3

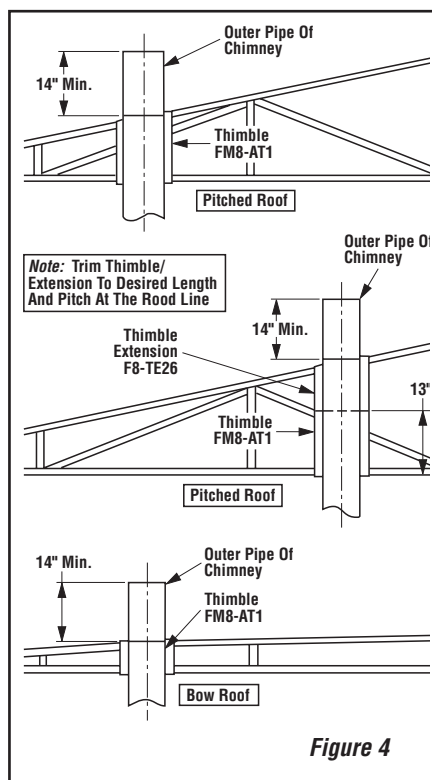


Figure 4

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Note: The installation of the thimble extension (F8-TE26 in the US or F8-TE26-2 in Canada) is not required in manufactured homes having ventilated attic spaces, when the chimney height is equal to or greater than 12 feet.

Ensure the thimble penetrates the roof opening. The thimble must extend completely through the ceiling or roof cavity to the outermost plane of the roof. Note: Thimble extensions (F8-TE26) are available from your dealer for constructions in which the distance between the outside of the roof and the inside of the ceiling exceeds 13". The thimbles and their extensions provide for zero clearances to combustibles and must be used at the ceiling/roof in manufactured homes (see Figures 4 and 5).



WARNING

Do not allow insulating materials to be blown into the space inside the thimble and the chimney. To do so could result in a fire hazard.

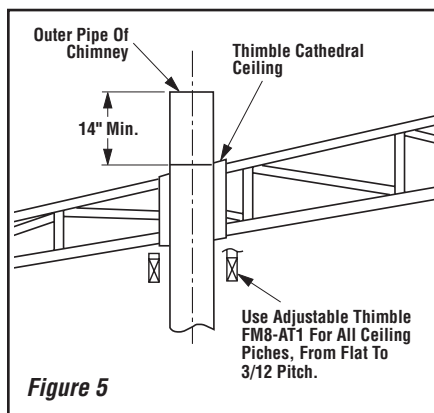


Figure 5

Note: For Canadian installations, all chimney installed outside the building must be constructed with galvalume (outer sections only) effective January 1, 1992. The appropriate model designations are located in the back of this manual.

Step 4. Note: Chimney sections are constructed with a unique locking tab design, which ensures an immediate, tight assembly between sections. Plan your chimney requirements carefully before assembly as chimney is difficult to disassemble after installation. If disassembled, the tabs might become damaged. Be certain tabs are properly formed to ensure locking tabs engage properly.

The Security Chimneys FTF8 chimney system is a two piece chimney, which snap together from the fireplace up. Start with the inner flue section with the lanced end up, snap lock it in to the matching collar on top of the fireplace.

At all subsequent joints, the upper flue section fits into the preceding flue section. Each piece snaps together by means of locking tabs (9 locking tabs per joint). Check each piece by pulling up slightly from the top to ensure proper engagement before installing the next section. If the flue has been installed correctly, it will not separate when you REV. NC it. Also, the inner flue joint where each section is joined should be tight and flat without gaps (Figure 6).

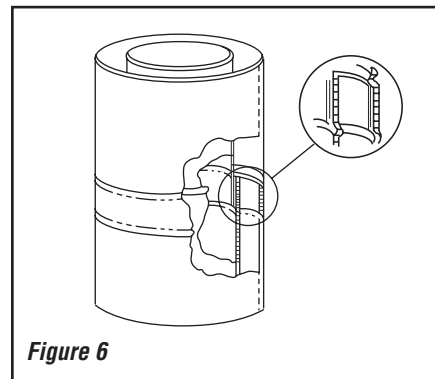


Figure 6

Outer pipe section installs in just the opposite way; the lanced end goes down and each new section goes OVER the outside of the previous section installed (Figure 7).

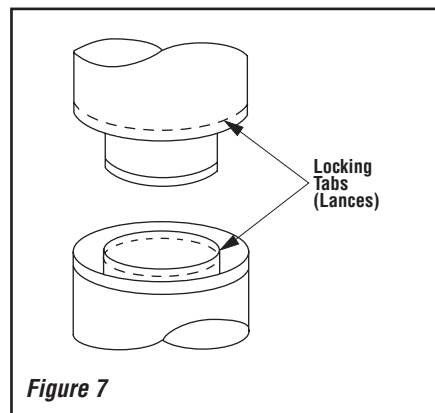


Figure 7

Note: Assemble one component of chimney at a time (inner section first, then outer section last) before proceeding with the next complete section.

Continue to assemble the chimney up through framed opening. Assemble just enough to penetrate the roof flashing openings (Figure 8). Maintain 1" minimum air space to insulation and building materials and always check each chimney joint (inner and outer) to ensure proper engagement. Check vertical alignment of chimney so that it projects from the roof in true vertical position.

****Note: 2" clearance to combustibles required in Canada.**

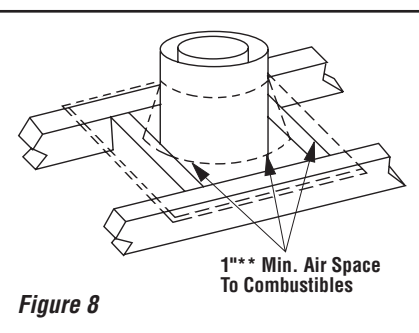


Figure 8

Security's chimney sections do not need to be screwed together. Additional reinforcement is not necessary except in certain offset conditions (refer to Page 7, Figure 22).

Step 5. The height of vertical chimney pipe supported only by the fireplace must not exceed 30'. Chimney heights above 30' must be supported by a Model FTF8-S4 stabilizer installed at 30' intervals.

Note: The Model FTF8-S4 adds 3" net effective height to the total chimney system.

Install the Model FTF8-S4 stabilizer by fitting inner section down into respective section of proceeding flue pipe and locking outer stabilizer section into place over the outer chimney pipe. Position for proper clearance through framed opening and nail straps securely (under tension in "shear") into place on framing. Use 8d nails. Attach successive lengths of chimney pipe directly to stabilizer using same techniques as described in Step 4 (Figure 9).

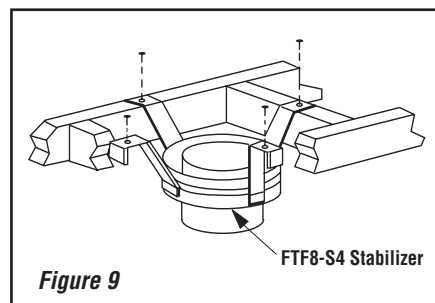


Figure 9

Note: Do not apply excessive pressure to any subsequent chimney sections following the stabilizer when installing. Ensure each subsequent chimney section is securely attached by testing as noted in Step 4.

Step 6. Select the proper Security Chimneys roof flashing based on pitch of roof. Use chart below for selection:

Roof Pitch	FTF8
Flat to 6/12	F8-F6
6/12 to 12/12	F8-F12

Table 1

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Next, slide roof flashing over extended chimney section that previously has been installed above the roof opening in **Step 4**. Slide flashing all the way down until the flashing base rests flat on the roof (**Figure 10**). Again, check the vertical position of the chimney and the 1"*** minimum air space to combustibles.

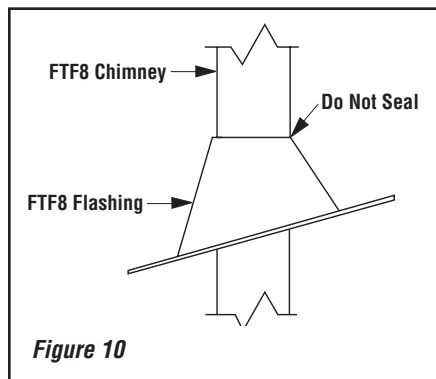


Figure 10

Step 7. Secure flashing by nailing along the perimeter into roof using 8d nails or equivalent fasteners. If shingled roof, slide upper end and sides of roof flashing under shingles (trim if necessary), seal the top and both sides of the flashing to the roof with roof caulking. Cover fastener heads with roof caulking (**Figure 11**).

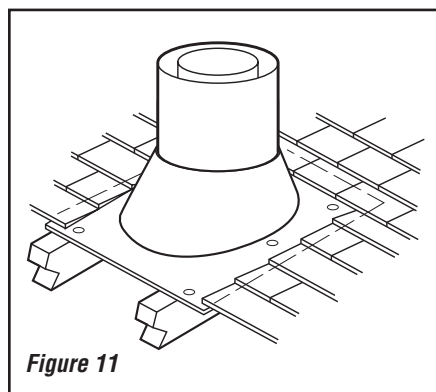


Figure 11

Step 8. The standard Security Chimneys FTF8 roof flashing assemblies include a storm collar. Slide the storm collar over outer chimney, rest on flashing spacers and align with top surface of flashing. Insert tab in slot, pull tight and bend tab back over slot.

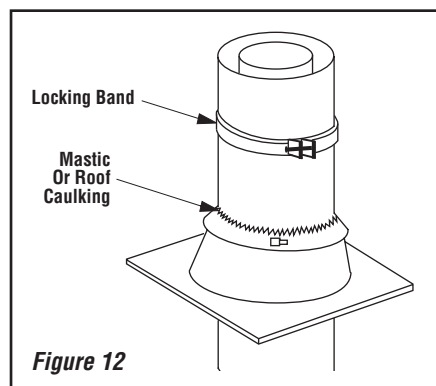


Figure 12

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.

Seal storm collar to outer chimney with roof caulking or mastic around entire circumference of pipe. Also add extra roof caulking to the tab/slot area to seal completely against water penetration (**Figure 12**). Check all joints very carefully to ensure no water intrusion can take place.

Step 9. FTF locking bands, Model FLB, may be required if the chimney extends too high above the roof flashing. As a general rule, if the chimney extends more than 6' above the roof flashing, the use of locking bands is advisable to strengthen the chimney assembly. Align the locking band at the chimney joint. Locking bands wrap around pipe joints equally covering the joints of both pipe sections. Use the nut provided and TIGHTEN snugly. Do not overtighten as this might damage the chimney section (refer to **Figure 12**).

Note: If chimney extends more than 8' above roof surface, guy wires are also recommended. Use three (3) guy wires, attach to locking band assembly, extend and secure to roof in a triangular pattern (**Figure 13**). Guy wires are not supplied by the manufacturer.

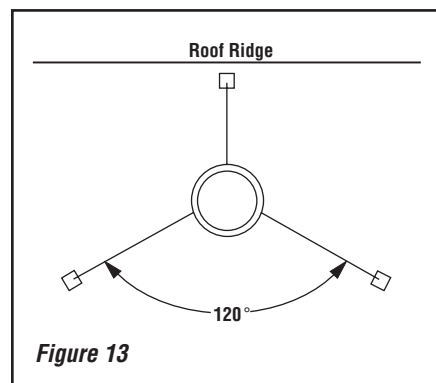


Figure 13

Step 10. Using a CTD Termination:

1. Hold the CTD over top of last chimney section (**Figure 14**).

2. Center inner slip section in inner flue pipe-slip down.

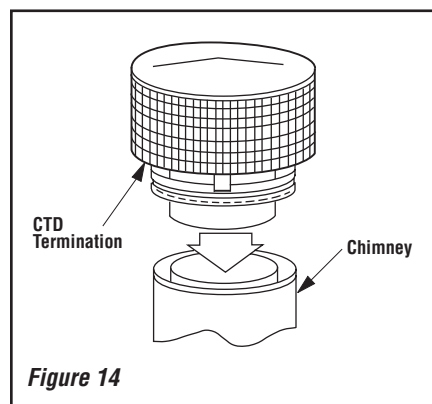


Figure 14

3. Center outer locking section over outer flue pipe. Push down until locking tabs are firmly engaged.

4. Pull up slightly on CTD to ensure locking joint has firmly engaged.

Note: It is recommended that all exterior exposed metal fireplace components; such as terminations, flashings, storm collars and/or flue be painted with a premium quality, high temperature, rust preventative paint designed for metal. This is especially important when installations are made in abnormally adverse or corrosive environments; such as near lakes, oceans or in areas with consistently high humidity conditions. Consult the paint manufacturers instructions for proper preparation and application.

TEN FOOT RULE SUMMARY

The minimum chimney height above the roof and/or to adjacent walls and buildings is specified by all major building codes.

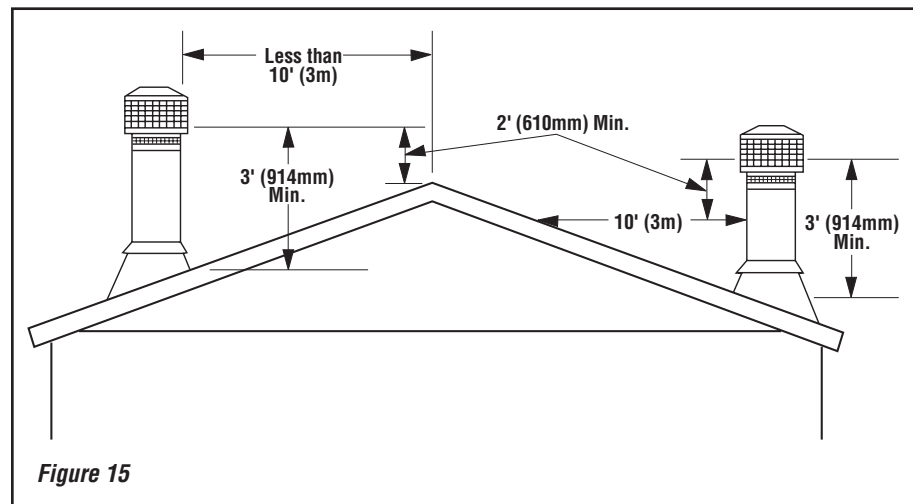


Figure 15

***Note: 2" clearance to combustibles required in Canada.

If the horizontal distance from the peak of the roof is less than 10', the top of the chimney must be at least 2' above the peak of the roof.

If the horizontal distance from the chimney edge to the peak of the roof is more than 10' a chimney height reference point is established on the roof surface 10' horizontally from the chimney edge. The top of the chimney must be at least 2' above this reference point. In all cases, the chimney cannot be less than 3' above the roof at the edge of the chimney.

The 2' in 10' rule is necessary in the interest of safety but does not ensure smoke-free operation. Trees, buildings, adjoining roof lines, adverse wind conditions, etc., may require a taller chimney should the fireplace not draft properly (*Figure 15*).

FTF8 CHIMNEY COMPONENT CALCULATIONS

The minimum installed height of the completed fireplace system is 10' 6". The maximum height is 40' 0" when the chimney is exposed.

To determine the number of chimney sections and chimney components required, follow these steps:

1. Determine total vertical height of the fireplace installation. This dimension is the distance from the surface the fireplace sets on to the point where smoke exits from the termination.

2. Determine the number of chimney components required, except chimney sections. This would include thimbles, extensions, roof flashing, etc.

3. The effective heights of the components are:

The Fireplace	= 37"
FTF8-12	= 10-1/4"
FTF8-18	= 16-1/4"
FTF8-24	= 22-1/4"
FTF8-36	= 34-1/4"
FTF8-48	= 46-1/4"
FTF8-CTD Termination	= 6"

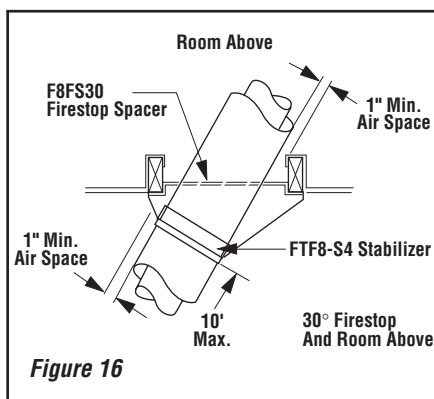
4. Determine amount of chimney height required by subtracting total combined height of all pre-selected components (fireplace and chimney components from total desired height).

Reference Vertical Elevation Chart and determine the number of chimney sections (quantity and length) required.

SPECIAL OFFSET INSTRUCTIONS

Chimney 30° Offset through Floor or Ceiling

It may be necessary to assemble the chimney at 30° when passing through the floor or ceiling area. Use the F8FS30-2 firestop spacer as shown in *Figure 16*. Support the chimney at floor or ceiling penetration with a FTF8 stabilizer if distance of chimney below ceiling is 10' or more. Maintain 1" minimum air space to combustibles from chimney sections. The chimney must pass vertically through the attic space.



To clear any overhead obstructions, you may offset your chimney system using Security's 30° offset and return elbows. Use two elbows - an offset elbow to initiate the offset and a return elbow to terminate it. A 30° offset elbow, angling in any direction, may be the first component used off the top of the fireplace flue collar.

The offset and return elbows may be attached together, or a section or sections of chimney may be used between, but do not exceed 20' in total length between elbows. If sections of pipe exceed 10' between elbows, a chimney stabilizer must be used at the midpoint (*see Figure 17*). The stabilizer support straps must be attached under tension (in shear) to structural framing members above. When two sets of elbows are used, the maximum combined length of chimney used between elbows cannot exceed 20' (*see Figure 18*). Example: If $C_1 = 10'$ then C_2 cannot exceed 10'.

If an offset exceeds 6' in length, each chimney joint beyond the first 6' of offset to the return elbow, must be secured by a No. 8 x 1/2" sheet metal screw located at the underside of the joint (*see Figure 20*).

A 1/8" diameter hole must be drilled in the chimney joint using a 1/8" diameter drill. Hole should be drilled in center of joint overlap (*see Figure 20*). Be sure to drill only through the outer chimney casting. Do not puncture the inner flue.

Maximum offset of chimney system is 30°. Two offsets must not be assembled to form a 60° offset. However, two sets of offset and return elbows may be used on a single flue system, provided the total height of the system exceeds 25'.

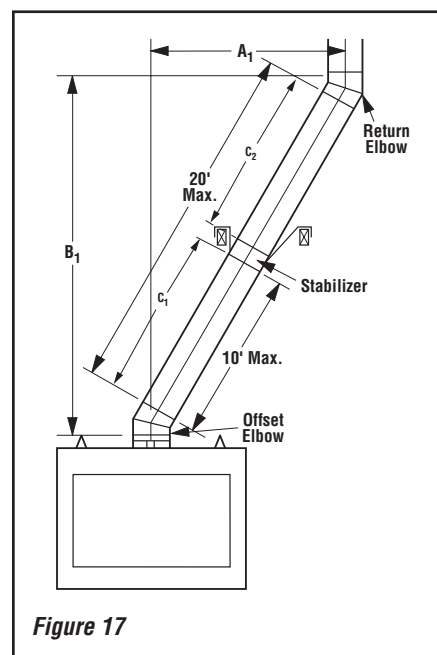
Return elbow support straps must be securely attached under tension (in shear) to structural framing members above. Do not substitute a FTF8-30 offset elbow in place of a FTF8-E30 return elbow.

OFFSET CALCULATIONS

Step 1. Use Offset Chart to determine amount of horizontal offset (A) and height (B) for various chimney section assemblies.

Step 2. Use "Height of Chimney Only" column in The Vertical Elevation Chart to determine combinations of chimney used above return elbow to achieve desired heights. Reference Components Effective Height Chart in vertical elevation chart section.

Step 3. Use Elevation Chart as job estimator only. Add necessary firestop spacers and stabilizers as required. Firestop spacers must be used as shown in *Figure 16* and stabilizers as shown in *Figure 9*.



FTF8 VERTICAL ELEVATION CHART

Height Of Chimney Only		Number Of FTF8 Chimney Components						Height Of Chimney Only
Inches	Feet/Inches	12"	18"	24"	36"	48"	-S4	Meters
10-1/4	0' 10-1/4"	1	0	0	0	0	-	0.26
16-1/4	1' 4-1/4"	0	1	0	0	0	-	0.41
22-1/4	1' 10-1/4"	0	0	1	0	0	-	0.57
26-1/2	2' 2-1/2"	1	1	0	0	0	-	0.67
32-1/2	2' 8-1/2"	1	0	1	0	0	-	0.83
34-1/4	2' 10-1/4"	0	0	0	1	0	-	0.87
38-1/2	3' 2-1/2"	0	1	1	0	0	-	0.98
44-1/2	3' 8-1/2"	1	0	0	1	0	-	1.13
46-1/4	3' 10-1/4"	0	0	0	0	1	-	1.17
50-1/2	4' 2-1/2"	0	1	0	1	0	-	1.28
56-1/2	4' 8-1/2"	1	0	0	0	1	-	1.44
62-1/2	5' 2-1/2"	0	1	0	0	1	-	1.59
68-1/2	5' 8-1/2"	0	0	1	0	1	-	1.74
72-3/4	6' 3/4"	1	1	0	0	1	-	1.85
78-3/4	6' 6-3/4"	1	0	1	0	1	-	2.00
84-3/4	7' 3/4"	0	1	1	0	1	-	2.15
90-3/4	7' 6-3/4"	1	0	0	1	1	-	2.31
92-1/2	7' 8-1/2"	0	0	0	0	2	-	2.35
96-3/4	8' 3/4"	0	1	0	1	1	-	2.46
102-3/4	8' 6-3/4"	1	0	0	0	2	-	2.61
108-3/4	9' 3/4"	0	1	0	0	2	-	2.76
114-3/4	9' 6-3/4"	0	0	1	0	2	-	2.91
119	9' 11"	1	1	0	0	2	-	3.02
125	10' 5"	1	0	1	0	2	-	3.18
131	10' 11"	0	1	1	0	2	-	3.33
137	11' 5"	1	0	0	1	2	-	3.48
138-3/4	11' 6-3/4"	0	0	0	0	3	-	3.52
143	11' 11"	0	1	0	1	2	-	3.63
149	12' 5"	1	0	0	0	3	-	3.78
155	12' 11"	0	1	0	0	3	-	3.94
161	13' 5"	0	0	1	0	3	-	4.09
165-1/4	13' 9-1/4"	1	1	0	0	3	-	4.20
171-1/4	14' 3-1/4"	1	0	1	0	3	-	4.35
177-1/4	14' 9-1/4"	0	1	1	0	3	-	4.50
183-1/4	15' 3-1/4"	1	0	0	1	3	-	4.65
185	15' 5"	0	0	0	0	4	-	4.70
189-1/4	15' 9-1/4"	0	1	0	1	3	-	4.81
195-1/4	16' 3-1/4"	1	0	0	0	4	-	4.96
201-1/4	16' 9-1/4"	0	1	0	0	4	-	5.11
207-1/4	17' 3-1/4"	0	0	1	0	4	-	5.26
211-1/2	17' 7-1/2"	1	1	0	0	4	-	5.37
217-1/2	18' 1-1/2"	1	0	1	0	4	-	5.52
223-1/2	18' 7-1/2"	0	1	1	0	4	-	5.68
229-1/2	19' 1-1/2"	1	0	0	1	4	-	5.83
231-1/4	19' 3-1/4"	0	0	0	0	5	-	5.87
235-1/2	19' 7-1/2"	0	1	0	1	4	-	5.98
241-1/2	20' 1-1/2"	1	0	0	0	5	-	6.13

Table 3a

Height Of Chimney Only		Number Of FTF8 Chimney Components						Height Of Chimney Only
Inches	Feet/Inches	12"	18"	24"	36"	48"	-S4	Meters
247-1/2	20' 7-1/2"	0	1	0	0	5	-	6.29
253-1/2	21' 1-1/2"	0	0	1	0	5	-	6.44
257-3/4	21' 5-3/4"	1	1	0	0	5	-	6.55
263-3/4	21' 11-3/4"	1	0	1	0	5	-	6.70
269-3/4	22' 5-3/4"	0	1	1	0	5	-	6.85
275-3/4	22' 11-3/4"	1	0	0	1	5	-	7.00
277-1/2	23' 1-1/2"	0	0	0	0	6	-	7.05
281-3/4	23' 5-3/4"	0	1	0	1	5	-	7.16
287-3/4	23' 11-3/4"	1	0	0	0	6	-	7.31
293-3/4	24' 5-3/4"	0	1	0	0	6	-	7.46
299-3/4	24' 11-3/4"	0	0	1	0	6	-	7.61
304	25' 4"	1	1	0	0	6	-	7.72
310	25' 10"	1	0	1	0	6	-	7.87
316	26' 4"	0	1	1	0	6	-	8.03
322	26' 10"	1	0	0	1	6	-	8.18
323-3/4	26' 11-3/4"	0	0	0	0	7	-	8.22
328	27' 4"	0	1	0	1	6	-	8.33
334	27' 10"	1	0	0	0	7	-	8.48
340	28' 4"	0	1	0	0	7	-	8.64
346	28' 10"	0	0	1	0	7	-	8.79
350-1/4	29' 2-1/4"	1	1	0	0	7	-	8.90
356-1/4	29' 8-1/4"	1	0	1	0	7	-	9.05
365-1/4	30' 5-1/4"	0	1	1	0	7	1	9.28
371-1/4	30' 11-1/4"	1	0	0	1	7	1	9.43
373	31' 1"	0	0	0	0	8	1	9.47
377-1/4	31' 5-1/4"	0	1	0	1	7	1	9.58
383-1/4	31' 11-1/4"	1	0	0	0	8	1	9.73
389-1/4	32' 5-1/4"	0	1	0	0	8	1	9.89
395-1/4	32' 11-1/4"	0	0	1	0	8	1	10.04
399-1/2	33' 3-1/2"	1	1	0	0	8	1	10.15
405-1/2	33' 9-1/2"	1	0	1	0	8	1	10.30
411-1/2	34' 3-1/2"	0	1	1	0	8	1	10.45
417-1/2	34' 9-1/2"	1	0	0	1	8	1	10.60
419-1/4	34' 11-1/4"	0	0	0	0	9	1	10.65
423-1/2	35' 3-1/2"	0	1	0	1	8	1	10.76
429-1/2	35' 9-1/2"	1	0	0	0	9	1	10.91
435-1/2	36' 3-1/2"	0	1	0	0	9	1	11.06
441-1/2	36' 9-1/2"	0	0	1	0	9	1	11.21
445-3/4	37' 1-3/4"	1	1	0	0	9	1	11.32
451-3/4	37' 7-3/4"	1	0	1	0	9	1	11.47
457-3/4	38' 1-3/4"	0	1	1	0	9	1	11.63
463-3/4	38' 7-3/4"	1	0	0	1	9	1	11.78
465-1/2	38' 9-1/2"	0	0	0	0	10	1	11.82
469-3/4	39' 1-3/4"	0	1	0	1	9	1	11.93
475-3/4	39' 7-3/4"	1	0	0	0	10	1	12.08
481-3/4	40' 1-3/4"	0	1	0	0	10	1	12.24
486	40' 6"	1	0	1	1	9	1	12.34

Table 3b

FTF8 OFFSET ELEVATION CHART

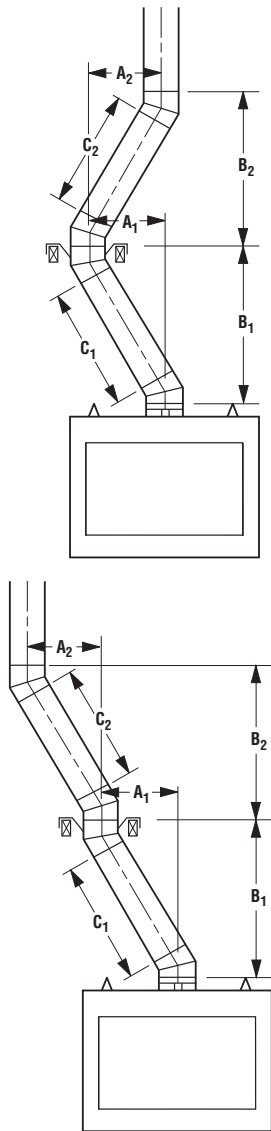


Figure 18

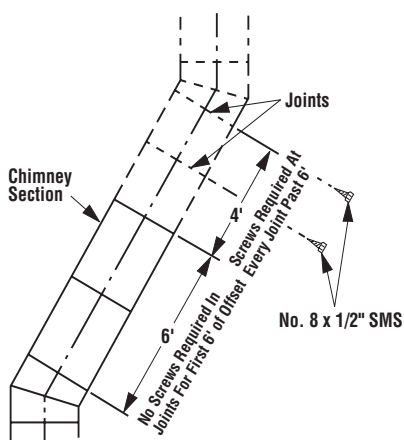
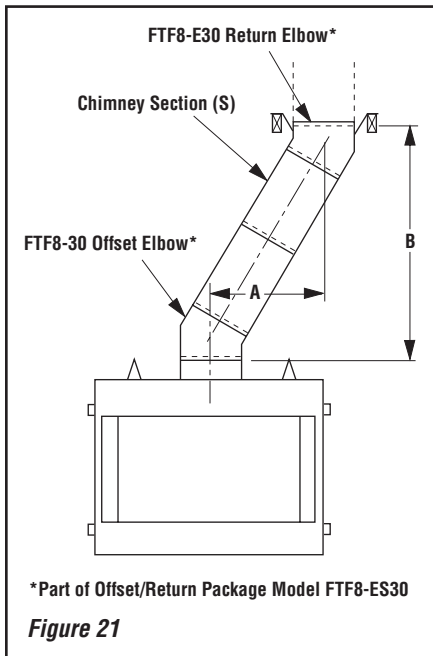
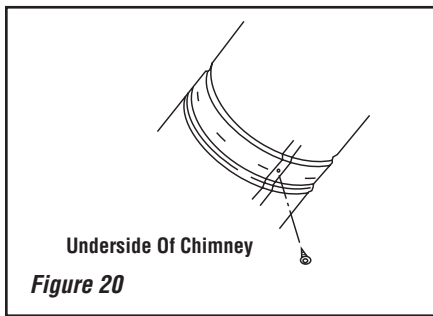


Figure 19

A Offset (inches)	B Offset (inches)	FTF8-S4 Stabilizer	Number of FTF8 Chimney Sections					A Offset (meters)	B Offset (meters)
			12"	18"	24"	36"	48"		
4	15	—	0	0	0	0	0	0.10	0.40
9	24	—	1	0	0	0	0	0.23	0.63
12	29	—	0	1	0	0	0	0.31	0.76
14	33	—	2	0	0	0	0	0.36	0.85
15	35	—	0	0	1	0	0	0.38	0.89
17	38	—	1	1	0	0	0	0.44	0.98
20	43	—	0	2	0	0	0	0.51	1.11
21	45	—	0	0	0	1	0	0.54	1.15
22	47	—	2	1	0	0	0	0.57	1.21
23	49	—	0	1	1	0	0	0.59	1.25
25	52	—	1	2	0	0	0	0.64	1.34
27	55	—	0	0	0	0	1	0.69	1.42
28	57	—	1	1	1	0	0	0.72	1.47
29	59	—	0	1	0	1	0	0.74	1.51
31	63	—	0	2	1	0	0	0.80	1.60
32	64	—	0	0	1	1	0	0.82	1.64
33	66	—	2	1	1	0	0	0.85	1.70
35	69	—	0	1	0	0	1	0.90	1.77
36	72	—	2	0	2	0	0	0.93	1.83
38	75	—	0	0	0	2	0	0.97	1.91
40	78	—	0	1	1	1	0	1.03	2.00
42	82	—	0	2	2	0	0	1.08	2.09
44	85	—	0	0	0	1	1	1.12	2.17
46	89	—	0	1	0	2	0	1.18	2.26
50	95	—	0	0	0	0	2	1.28	2.43
52	99	—	0	1	0	1	1	1.33	2.53
55	104	—	0	0	1	1	1	1.41	2.66
58	109	—	0	1	0	0	2	1.48	2.79
61	115	—	0	0	0	2	1	1.56	2.92
63	118	—	0	1	1	1	1	1.61	3.02
68	128	1	0	0	0	1	2	1.75	3.25
71	131	1	0	1	0	2	1	1.80	3.35
74	138	1	0	0	0	0	3	1.90	3.52
77	142	1	0	1	0	1	2	1.96	3.61
80	147	1	0	0	1	1	2	2.03	3.74
83	152	1	0	1	0	0	3	2.11	3.88
86	157	1	0	0	0	2	2	2.18	4.01
88	161	1	0	1	1	1	2	2.24	4.10
92	168	1	0	0	0	1	3	2.34	4.27
94	171	1	0	1	0	2	2	2.39	4.36
98	178	1	0	0	0	0	4	2.49	4.54
100	182	1	0	1	0	1	3	2.54	4.63
103	187	1	0	0	1	1	3	2.62	4.76
106	192	1	0	1	0	0	4	2.70	4.89
109	197	1	0	0	0	2	3	2.77	5.02
115	208	1	0	0	0	1	4	2.92	5.29
121	218	1	0	0	0	0	5	3.08	5.55

Table 4



INSTALLING OFFSETS

First, review the Offset Elevation Chart and **Figure 21** for reference.

Step 1. Determine the offset distance where chimney is to pass through the first ceiling-dimension "A." To find this point on your ceiling, first determine the center point for a vertical chimney following the instructions for vertical installation.

Measure height to the ceiling from the top of fireplace-dimension "B." Use the appropriate Offset Elevation Chart to find dimension "A." Mark point where you will drive your nail to show the center point for your offset ceiling cut.

Step 2. Proceed by using the Straight Up Installation Instructions for cutting and framing ceiling and roof openings.

Note: See Framing and Dimension Chart for the sizes of the ceiling and roof openings. The size of the roof opening varies with the degree of pitch of the roof.

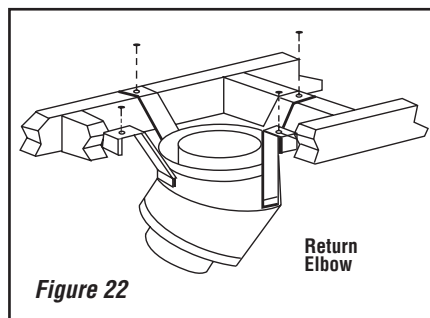
Offset Elbow Assembly

Offset elbows install the same as chimney sections. First, snap the inner section INTO the preceding inner section of flue. Check connection by pulling up slightly to ensure a tight fit. Next, the outer sections snap lock OVER the preceding outer section of chimney. Again, check outer section by pulling up slightly to ensure proper connection is made.

Return Elbow Assembly

Return elbows install the same way as round terminations and stabilizers:

- Step 1.** Hold return elbow over top of last chimney section.
- Step 2.** Center inner slip section into inner flue pipe-slip down.
- Step 3.** Center outer-locking section over outer chimney pipe. Push down until locking joint has firmly engaged.
- Step 4.** Pull up slightly on return elbow to ensure locking joint has firmly engaged.
- Step 5.** Secure support straps to framing members by nailing under tension in shear (**Figure 22**).



Notes:

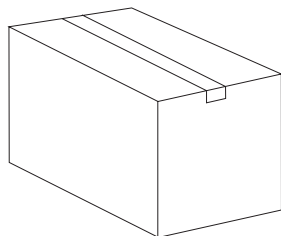
- The return elbow assembly performs the same function as a stabilizer. Consider this when determining the need for a stabilizer.
- Do not apply excessive pressure to any subsequent chimney section following return elbow assembly when installing. Ensure that each subsequent chimney section is securely attached by testing as noted above.

NOTES

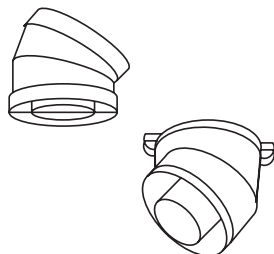
INSTALLATION COMPONENTS



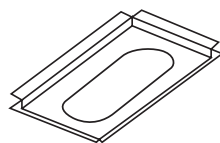
Chimney Section	63L10	FTF8-12
	63L13	FTF8-18
	H0522	FTF8-24
	63L14	FTF8-36
	63L15	FTF8-48
	63L92	FTF8-18C**
	63L93	FTF8-36C**



Adjustable Chimney Pipe Kits	H0559	FM8-PK10
	H0560	FM8-PK20**



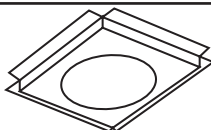
Offset/ Return Package		
30 Degree Offset/Return Elbow	FTF8-ES30	63L22
15 Degree Offset/Return Elbow	FTF8-OR15	63L28



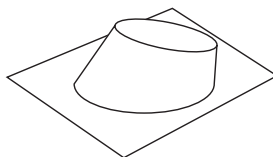
Firestop Spacer (30°)	63L30	F8FS30
Firestop Spacer (30°)	63L32	F8FS30-2**



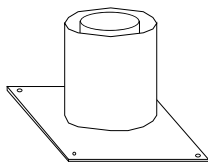
Storm Collar	63L59	FSC
Storm Collar (12 pack)	94L77	FSC-B-12



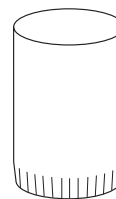
Firestop Spacer (Flat) (Single Pack)	63L29	F8FS
Firestop Spacer (Flat) (Single Pack)	63L31	F8FS-2**
Firestop Spacer (Flat) (12 Pack)	94L76	F8FS-12



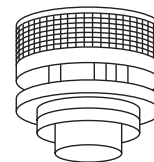
Flashing	19M55	F8F6MH
	19M56	F8F12MH
	63L38 (0-6/12)	F8F6
	63L39 (6/12-12/12)	F8F12



Adjustable Firestop/Thimble	H0325	FM8-AT1
	H0326	FM8-AT2**



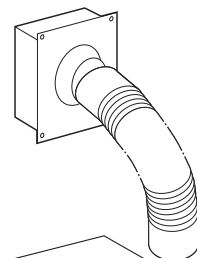
Thimble Extension 26"	91L46	F8-TE26
	19M52	F8-TE26-2**



Contemporary Termination - Round	63L42	FTF8-CTD
Contemporary Termination - Round, Black	H2238	FTF8-CTDP



Stabilizer	63L25	FTF8-S4
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Cold Climate Kits	63L61	FTF8-CCK1-LD**
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****Required For Canadian Installations 2" Clearances - As Applicable.**

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