



Requirements for Chimneys

No chimney flues should be less than 8" x 8", or 8" diameter if round.

Chimneys should be:—

- 1—Straight and free from any obstructions.
- 2—A separate flue should be provided for each fire.
- 3—There should be no opening into the flue except that at the bottom to receive the smoke pipe from the boiler or furnace and the cleanout opening door for the removal of soot.
- 4—The same size and shape should be maintained throughout.
- 5—They should be built up clear of any obstructing buildings.
- 6—They should be built on inside walls and not outside walls, wherever possible.

The fact that a flue will draw up a lighted piece of paper or other light material is no indication of a good or fair draft. An indicated velocity is not proof of a good draft. It is necessary that it shall be of sufficient area to carry away the gases of combustion. The draft of a chimney depends both on the area of flue and the velocity due to height. Square or round chimneys are always to be preferred. Wide chimneys that are shallow in depth **ARE TO BE AVOIDED.**

The following table of chimney sizes will be found to give results under average conditions.

RADIATION (Direct)		CHIMNEY SIZE	
Hot Water Sq. Ft.	Steam Sq. Ft.	Round inches	Rectangular inches
400 to 700	250 to 450	8	8 x 8
800 to 1,200	500 to 800	10	8 x 13
1,300 to 2,200	850 to 1,400	12	13 x 13
2,400 to 3,500	1,500 to 2,100	14	13 x 17
3,600 to 5,500	2,200 to 3,500	16	17 x 17
5,600 to 10,000	3,600 to 6,000	18	17 x 21