

PLUMBING AND MECHANICAL
INTERPRETATION MANUAL



CODE: 2003 IRC

DATE:

CODE REF: Section P3102.1

11/10/2003

SUBJECT: Main Vent Required

According to Section 3102.1 a main vent is required and the main vent should be connected to the building drain. This vent must rise undiminished in size through the roof.

Question: 1) Does this section require a main vent regardless of the number of vent connected to the building drain?

2) What determines the size of the main vent?

Answer:

- 1) No, the main vent may be a single vent stack or a stack vent, or any stack vent or vent stack that is connected to the building drain may be considered as the main vent and thus fulfill the requirement of P3102.1.
- 2) Section P3113.1 shall determine the size of the main vent and states that vent pipes shall be equal to one-half the diameter of the drain served. And the drain shall be sized in accordance with Chapter 30 of the IRC. But, the vent shall be a minimum of 1 ¼ inches diameter. Any vent that exceeds 40 feet of developed length shall be increased by one (1) nominal pipe size for the entire length of the vent.

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