**SECTION 711 OFFSETS IN DRAINAGE PIPING IN BUILDINGS OF FIVE STORIES OR MORE

711.1 Horizontal branch connections above or below vertical stack offsets.**
If a horizontal *branch* connects to the *stack* within 2 feet (610 mm) above or below a vertical *stack* offset, and the offset is located more than four *branch intervals* below the top of the *stack,* the offset shall be vented in accordance with Section 906.

**711.1.1 Omission of vents for vertical stack offsets.**
Vents for vertical offsets required by Section 711.1 shall not be required where the *stack* and its offset are sized as a *building drain* [see Table 710.1(1)].

**711.2 Horizontal stack offsets.**
A *stack* with a horizontal offset located more than four *branch intervals* below the top of the *stack* shall be vented in accordance with Section 907 and sized as follows:

1. The portion of the *stack* above the offset shall be sized as for a vertical *stack* based on the total number of drainage fixture units above the offset.

2. The offset shall be sized in accordance with Section 710.1.1.

3. The portion of the *stack* below the offset shall be sized as for the offset or based on the total number of drainage fixture units on the entire *stack ,* whichever is larger [see Table 710.1(2), Column 5].

**711.2.1 Omission of vents for horizontal stack offsets.**
Vents for horizontal stack offsets required by Section 711.2 shall not be required where the stack and its offset are one pipe size larger than required for a building drain [see Table 710.1(1)] and the entire stack and offset are not less in cross-sectional area than that required for a straight stack plus the area of an offset vent as provided for in Section 907.

**711.3 Offsets below lowest branch.**
Where a vertical offset occurs in a soil or waste *stack* below the lowest horizontal *branch,* a change in diameter of the *stack* because of the offset shall not be required. If a horizontal offset occurs in a soil or waste *stack* below the lowest horizontal *branch,* the required diameter of the offset and the *stack* below it shall be determined as for a *building drain* in accordance with Table 710.1(1).