

# FIRE PROTECTION SYSTEMS

**TABLE 910.3**  
**REQUIREMENTS FOR DRAFT CURTAINS AND SMOKE AND HEAT VENTS<sup>a</sup>**

OCCUPANCY GROUP AND COMMODITY CLASSIFICATION	DESIGNATED STORAGE HEIGHT (feet)	MINIMUM DRAFT CURTAIN DEPTH (feet)	MAXIMUM AREA FORMED BY DRAFT CURTAINS (square feet)	VENT AREA TO FLOOR AREA RATIO	MAXIMUM SPACING OF VENT CENTERS (feet)	MAXIMUM DISTANCE TO VENTS FROM WALL OR DRAFT CURTAINS <sup>b</sup> (feet)
Group F-1	—	$0.2 \times H$ but $\geq 4$	50,000	1:100	120	60
Group S-1 I-IV (Option 1)	$\leq 20$	6	10,000	1:100	100	60
	$> 20 \leq 40$	6	8,000	1:75	100	55
Group S-1 I-IV (Option 2)	$\leq 20$	4	3,000	1:75	100	55
	$> 20 \leq 40$	4	3,000	1:50	100	50
Group S-1 High hazard (Option 1)	$\leq 20$	6	6,000	1:50	100	50
	$> 20 \leq 30$	6	6,000	1:40	90	45
Group S-1 High hazard (Option 2)	$\leq 20$	4	4,000	1:50	100	50
	$> 20 \leq 30$	4	2,000	1:30	75	40

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m<sup>2</sup>.

- Requirements for rack storage heights in excess of those indicated shall be in accordance with Chapter 23 of the *International Fire Code*. For solid-piled storage heights in excess of those indicated, an approved engineered design shall be used.
- The distance specified is the maximum distance from any vent in a particular draft curtained area to walls or draft curtains which form the perimeter of the draft curtained area.