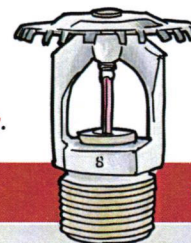


# THE 2018 IBC SPRINKLER CHEATSHEET



A summary of requirements under the 2018 IBC. For more, visit [www.meyerfire.com/subscribe](http://www.meyerfire.com/subscribe).

	Where	Max Fire Area	Max Occupant	Other Requirement(s)	Basis
<b>By Occupancy</b>					
A: All	S <sup>1</sup>	-	300 +	· Where an occupied roof has assembly occupancy over 300 (or 100 for Group A-2) <sup>2</sup>	903.2.1.6
A: All	B <sup>3</sup>	-	300 +	· Where multiple A-1, A-2, A-3, or A-4 Areas share exit access and the combined occupant load is 300 or more	903.2.1.7
A: Smoke-Protected Seating	A <sup>4</sup>	-	-	· Where area is used as smoke-protected seating	1029.6.2.3
A-1	S <sup>1</sup>	12,000 ft <sup>2</sup>	300 +	· Where A-1 Area is on a floor other than level of exit discharge, or · Contains multi-theater complex	903.2.1.1
A-2	S <sup>1</sup>	5,000 ft <sup>2</sup>	100 +	· Where A-2 is located on a floor other than a level of exit discharge · Where an occupied roof has assembly occupancy over 100	903.2.1.2 903.2.1.6
A-3	S <sup>1</sup>	12,000 ft <sup>2</sup>	300 +	· Where A-3 is located on a floor other than a level of exit discharge	903.2.1.3
A-4	S <sup>1</sup>	12,000 ft <sup>2</sup>	300 +	· Where A-4 is located on a floor other than a level of exit discharge	903.2.1.4
A-5	O <sup>5</sup>	1,000 ft <sup>2</sup>	-	· Space under grandstands required if over 1,000 sqft or is not constructed in accordance with 1029.1.1.1. · 4 + incapable of self-preservation, or	903.2.1.5
B: Ambulatory Care	F <sup>6</sup>	-	-	· 1 + incapable of self-preservation that is not on the level of exit discharge	903.2.2
E	B <sup>3</sup>	12,000 ft <sup>2</sup>	300 +	· If E area is located on floor other than level of discharge <sup>7</sup>	903.2.4
F-1	B <sup>3</sup>	2,500 ft <sup>2</sup> (upholstered furniture or mattresses) 12,000 ft <sup>2</sup> (single) 24,000 ft <sup>2</sup> (combined F-1)	-	· If Group F-1 is more than 3 stories above grade plane · Throughout all F-1 areas containing wood-working operations over 2,500 sqft that generate finely divided combustible waste or material	903.2.4 903.2.4 903.2.4
H	O <sup>8</sup>	0 ft <sup>2</sup>	-	· Throughout any high-hazard occupancy · Provided where nitrate film or pyroxylin plastics are manufactured, stored, or handled above 100 lbs	903.2.4.1 903.2.5.1
H-5	B <sup>3</sup>	0 ft <sup>2</sup>	-	· Throughout buildings containing H-5 Occupancy	903.2.5.3
I	B <sup>3</sup>	0 ft <sup>2</sup>	-	· Throughout buildings with Group I <sup>9</sup>	903.2.5.2
I-2	-	-	-	· Through any smoke compartment with sleeping room	903.2.6 407.7
M	B <sup>3</sup>	5,000 ft <sup>2</sup> (upholstered furniture / mattresses) 12,000 ft <sup>2</sup> (single) 24,000 ft <sup>2</sup> (combined)	-	· Where more than 3 stories above grade plane · Where storage of merchandise is in high-piled or rack storage array	903.2.7 903.2.7.1
R	B <sup>3</sup>	0 ft <sup>2</sup>	-	· Throughout all buildings with Group R fire area	903.2.8

<sup>1</sup> S: System Required on floor containing occupancy, level of exit discharge, and all floors in-between

<sup>2</sup> Except Type I or Type II Open Parking Garages, per 903.2.1.6

<sup>3</sup> B: System Required Throughout Building

<sup>4</sup> A: System Required Throughout Enclosed Areas, except floor area where roof is more than 50 feet above floor level, press boxes less than 1,000 sqft, and outdoor seating where means of egress in seating area are essentially open to the outside

<sup>5</sup> O: System Required Throughout all enclosed A-5 accessory use areas in excess of 1,000 sqft

<sup>6</sup> F: System Required Throughout Entire Floor containing the occupancy

<sup>7</sup> Except sprinklers are not required on the level below classrooms if every classroom has an exterior exit at ground level

<sup>8</sup> O: System Required Throughout the Occupancy

<sup>9</sup> Except where I-4 care are at level of exit discharge and where every room has at least one exterior door, per 903.2.6. For I-4 day care areas on a level other than exit discharge, sprinkler systems are only required on the I-4 floor, exit discharge floor, all floors in-between, and all floors below the discharge level.