

FIRE & LIFE SAFETY MATRIX
2015 INTERNATIONAL BUILDING CODE

Use Group	Automatic Fire Suppression ^{a, b}	Standpipes Sprinklered IBC 905	Standpipes No Sprinklers IBC 905	Fire Protective Signaling Systems IBC 907	Automatic Fire Detection Systems IBC & Smoke Alarms 907 ^{d, e, f}	Smoke Control IBC 909/ Smoke Vents 910	Emergency Alarm & Assembly Voice Comm. IBC 907 & 908
A-1	Yes, IBC 903.2.1.1. 410.7 for stages & 411.4 for Special Amusement Buildings. See 903.2.1.7 for A 1-4 multiple fire areas	See 905.3.1 for all buildings & 410.8 & 904.3.4 for stages.	Yes, see 905.3.2 Group A & 905.3.4 for stages.	Yes, see 907.2.1	Yes, see IBC 411.3, 907.2.12 & NFPA 72 2010.	Yes, For stages see IBC 410.3.7. & 1028.6.2.1.	Yes, see IBC 907.2.1.1, 907.5.2.2 & 411.6 & NFPA 72 2010.
A-2	Yes, IBC 903.2.1.2. 411.4 & 410.7. See new 2015 IBC rules for assembly occupancies on roofs 903.2.1.6. See 903.2.1.7 for A 1-4 multiple fire areas	See 905.3.1 for rules all buildings & 904.3.4 for stages.	Yes, see 905.3.2 Group A & 905.3.4 for stages.	Yes, see 907.2.1.	Yes, see IBC 411.3, 907.2.12 & NFPA 72 2010 Edition.	Yes, For stages see IBC 410.3.7. & 1028.6.2.1.	Yes, see IBC 907.2.1.1, 907.5.2.2 & 411.6 & NFPA 72 2010
A-3	Yes, IBC 903.2.1.1. 411.4 & 410.7. See 903.2.1.7 for A 1-4 multiple fire areas	See 905.3.1 for rules all buildings & 904.3.4 for stages.	Yes, see 905.3.2 Group A & 905.3.4 for stages.	Yes, see 907.2.1.	Yes, see IBC 411.3, 907.2.12 & NFPA 72 2010 Edition.	Yes, For stages see IBC 410.3.7. & 1028.6.2.1.	Yes, see IBC 907.2.1.1, 907.5.2.2 & 411.6 & NFPA 72 2010
A-4	Yes, IBC 903.2.1.1. 411.4 & 410.7. See 903.2.1.7 for A 1-4 multiple fire areas	See 905.3.1 for rules all buildings & 904.3.4 for stages.	Yes, see 905.3.2 Group A & 905.3.4 for stages.	Yes, see 907.2.1.	Yes, see IBC 411.3, 907.2.12 & NFPA 72 2010.	Yes, For stages see IBC 410.3.7. & 1028.6.2.1.	Yes, see IBC 907.2.1.1, 907.5.2.2 & 411.6 & NFPA 72 2010.
A-5	Yes, IBC 903.2.1.5 & 410.7.	See 905.3.1 for rules all buildings & 904.3.4 for stages.	Yes, see 905.3.2 Group A & 905.3.4 for stages.	Yes, see 907.2.1.	N.R.	Yes, For stages see IBC 410.3.7. & 1028.6.2.1.	Yes, see IBC 907.2.1.1, 907.5.2.2 & 411.6 & NFPA 72 2010
B	Yes, see IBC 903.2.2 – ambulatory care. New IBC 2015 Airport control towers Exc. deleted 903.2.11.3.	See 905.3.1 for rules all bldgs.	See 905.3.1 for rules all bldgs.	Yes, see IBC 907.2.2.	Yes, see IBC 907.2.2.1 for Ambulatory care & 412.3.5 for AT control towers.	Yes, AT control towers Stairways per IBC 412.3.	N.R.
E	Yes, see IBC 903.2.3.	See 905.3.1 for rules all buildings & 904.3.4 for stages.	See 905.3.1 for rules all buildings & 904.3.4 for stages.	Yes, see IBC 907.2.3.	N.R.	N.R.	Yes, see IBC 907.2.3.
F-1	Yes see IBC 903.2.4.	See 905.3.1 all.	See 905.3.1 all.	Yes, IBC 907.2.4.	N.R.	Yes, IBC 910.2.1	N.R.

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F-2	N.R.	See 905.3.1 for rules all bldgs.	See 905.3.1 for rules all bldgs.	Yes, see IBC 907.2.4.	N.R.	N.R.	N.R.
H-1	Yes, IBC 903.2.5.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, See IBC & IFC 907.2.5 Group H	Yes, See IBC & IFC 907.2.5.	N.R.	Yes, see IBC 414.7 & 908.1
H-2	Yes, IBC 903.2.5 & 903.2.5.3.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC & IFC 907.2.5 Group H	Yes, See IBC & IFC 907.2.5.	N.R.	Yes, see IBC 414.7 & 908.1
H-3	Yes, IBC 903.2.5 & 903.2.5.3.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC & IFC 907.2.5 Group H	Yes, See IBC & IFC 907.2.5.	N.R.	Yes, see IBC 414.7 & 908.1
H-4	Yes, IBC 903.2.5 & 903.2.5.3.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC & IFC 907.2.5 Group H	Yes, See IBC & IFC 907.2.5.	N.R.	Yes, see IBC 414.7 & 908.1
H-5	Yes, IBC 903.2.5.2. See Table for specifics.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC & IFC 907.2.5 Group H	Yes, See IBC & IFC 907.2.5.	N.R.	Yes, see IBC 415.8.4.6, 415.8.5.8 & 908.1.
I-1	Yes, see IBC 903.2.6 New 2015: See IBC 2012 Exc. #1 for NFPA 13D rescinded & replaced by 13R & Exc. #2 deleted	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC 907.2.6.	Yes, see IBC 907.2.6.1 & 907.2.11.2 smoke alarms & new 2015 location rules 907.2.11.3 & 4.	N.R.	N.R.
I-2	Yes, see IBC 903.2.6	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, IBC Section 907.2.6.2. See Exceptions.	Yes, see IBC 407.8 & 907.2.6.2.	Yes, passive see IBC 407 re smoke compts & 909.	N.R.
I-3	Yes, see IBC 903.2.6	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see 907.2.6.3 (staff notification).	Yes, see 907.2.6.3 (staff notification).	Yes, passive see IBC 408.6 & 909.	N.R.
M	Yes, see IBC 903.2.7.	See 905.3.1 for rules all bldgs.	See 905.3.1 for rules all bldgs.	Yes, see IBC 907.2.7.	N.R.	N.R.	N.R.
R-1	Yes, IBC 903.2.8	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, See exc. IBC 907.2.8.	Yes, see IBC 907.2.8.2 & 907.2.11.1.	N.R.	N.R.

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R-2	Yes, IBC 903.2.8	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, see IBC 907.2.9.1.	Yes, See 907.2.9.3 & 907.2.11.2.	N.R.	N.R.
R-3	Yes, see IBC 903.2.8.1 & 903.2.8.2 Also regulated by IRC See IBC 101.2 & 310.5.1 for IRC modifications.	Regulated by IRC. IBC 101.2, also see 905.3 Exception.	Regulated by IRC. IBC 101.2, & see 905.3 Exception.	Regulated by IRC. IBC 101.2.	Regulated by IRC. IBC 101.2, but see 907.2.11.2 & new 2015 location rules 907.2.11.3 & 4.	Regulated by IRC. IBC 101.2.	Regulated by IRC. IBC 101.2.
R-4	New 2015: See 903.2.8 & new rules for R-4 Conditions and attic spaces R4 Condition 2.	See 905.3.1 for rules all bldgs.	N.A. AFES req. See 905.3.1 for rules all bldgs.	Yes, See 907.2.10.1.	Yes, see 907.2.10.2 & 907.2.11.2 & new 2015 location rules 907.2.11.3 & 4.	N.R.	N.R.
S-1	Yes, see IBC 903.2.9, 903.2.9.1 – Repair garages. Aircraft hangars per NFPA 409 see also IBC 412.4.6 & 412.6.5.	See 905.3.1 for rules all bldgs. See 905.3.6 & 412.7.5 re Heliports/stops on roofs & 2007.5 IFC.	See 905.3.1 for rules all bldgs. See 905.3.6 & 412.7.5 re Heliports/stops on roofs & 2007.5 IFC.	N.R.	N.R.	Yes, see IBC 910.2.1 & 910.2.2 & 413 IFC Chapter 32. See also 907.2.15, 16, & 17.	N.R.
S-2	Yes, see IBC 903.2.10 & 903.2.10.1.	See 905.3.1 all	See 905.3.1 all	N.R.	N.R.	N.R. Generally, but see 907.2.15	N.R.
U	N.R. See 903.2.11.	See 905.3.1 all	See 905.3.1 all	N.R.	N.R.	N.R.	N.R.
Atria	Yes, for entire building see IBC 903.2.11.6 & 404.3. Also see 404.6.	See 905.3.1 for rules all bldgs.	See 905.3.1 for rules all bldgs.	Yes, per IBC 404.4 & 907.2.14. Section 907.5.2.2.	Yes, see IBC 404.4, 404.5, 907.2.14 & 907.5.	Yes, see IBC Section 404.5 & 909.	Yes see IBC 907.2.14 & 907.5.2.2.

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Covered Malls & Open Malls	Yes, see IBC 402.5, 903.3.1.1 & 903.2.11.6	Yes, see IBC 402.7.1 & 905.3.3.	See 905.3.1 for rules all bldgs. & 905.3.3.	Yes, see IBC 402.7.2, 404.4 & 907.2.14.	Yes with smoke control system, if atria involved see IBC 402.7.2, 907.2.14 & 907.2.20.	Yes, see 402.7.2 if atria involved see IBC 404.5 & 907.2.14.	Yes, see IBC 402.7.4, 907.5 & 907.2.20. See also 402.7.3 for standby power.
High Rise	Yes, see IBC 403.3, 903.3.1.1 & 903.2.11.3. New 2015: Separate water supply to fire pumps reduced to bldgs. > 420 feet, secondary water supply certain seismic locations moved to 403.3 from 903.3.5.2	Yes, See 905.3.1 for rules all bldgs.	N.A. AFES req. 403.3. See 905.3.1 for rules all bldgs.	Yes, see IBC 403.4.2, 907.2.13.	Yes, see IBC 907.2.13.	Yes, atria & for smokeproof exit enclosures, see IBC Sections, 404.4, 403.5.4 & 909.20 & 1023.11. Also 403.4.7 for smoke removal.	Yes, see IBC 403.4.4 & 907.5.2.2.
Underground Buildings	Yes, see IBC 405.3, 903.3.1.1 & 903.2.11.	Yes, see IBC 405.10 & 905.3.5.	N.A. AFES req. See 405.3, 405.10 & 905.3.5.	Yes, see IBC 405.6, 907.2.18 & 907.2.19.	Yes, see IBC 907.2.18.	Yes, see IBC 405.5 & 909, also 907.2.18.	Yes Deep UG bldgs. IBC 405.6, 405.9.1, 907.2.19.
Basement & Roof Gardens & Chutes	Yes, 903.2.11.1.3 for basements & 903.2.11.2 for chute changes.	905.3.8 Rooftop gardens & landscaped roofs for standpipe rules		N.A.			

N.R. = Not Required NA = Not Applicable

- a. See IBC Section 903.2 for automatic sprinkler system rules for all occupancies. See specific subjects Woodworking, High-Piled Storage, Repair garages, Bulk Tire Storage, Windowless stories, Rubbish & Linen chutes, Buildings under Construction, Other Hazards & Table 903.2.11.6 additional required/specific subjects.
- b. All buildings where sprinkler system is required no Occupancy allowed until system tested & approved unless Code Official allows per Section 111.3. See IBC 3312.
- c. All buildings 4 stories or more in height require 1 standpipe for use during construction. Water supply must be available when first combustible material on site. See IBC 905.10 & 3311 & IFC Chapter 33.
- d. See IBC Section 907.2.11 for single & multiple station smoke alarms.
- e. See IBC Sections 907.2.11 through 907.2.23 for smoke detection specific use/occupancy requirements not addressed in table.
- f. New 2015: Section 915 carbon monoxide alarms for I-1, I-2, I-4, E and R occupancies, dwelling units, sleeping units and classrooms.**