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**TITLE 675 FIRE PREVENTION AND BUILDING  
SAFETY COMMISSION**

**Proposed Rule**  
LSA Document #04-216

**DIGEST**

Amends 675 IAC 13-2.4, the 2003 Indiana Building Code, to make substantive and clarifying changes, including amendments for the requirement of sprinklers in places of assembly. Effective 30 days after filing with the secretary of state.

675 IAC 13-2.4-10	675 IAC 13-2.4-121.5
675 IAC 13-2.4-19	675 IAC 13-2.4-122
675 IAC 13-2.4-20	675 IAC 13-2.4-122.5
675 IAC 13-2.4-22	675 IAC 13-2.4-132
675 IAC 13-2.4-24.3	675 IAC 13-2.4-132.3
675 IAC 13-2.4-32.5	675 IAC 13-2.4-132.5
675 IAC 13-2.4-40.5	675 IAC 13-2.4-133.5
675 IAC 13-2.4-40.6	675 IAC 13-2.4-134.5
675 IAC 13-2.4-41.5	675 IAC 13-2.4-143
675 IAC 13-2.4-42.7	675 IAC 13-2.4-180.5
675 IAC 13-2.4-43.2	675 IAC 13-2.4-201.5
675 IAC 13-2.4-43.6	675 IAC 13-2.4-201.7
675 IAC 13-2.4-47	675 IAC 13-2.4-210.3
675 IAC 13-2.4-55	675 IAC 13-2.4-210.5
675 IAC 13-2.4-55.5	675 IAC 13-2.4-213.3
675 IAC 13-2.4-56.5	675 IAC 13-2.4-213.5
675 IAC 13-2.4-96.5	675 IAC 13-2.4-213.7
675 IAC 13-2.4-105.6	675 IAC 13-2.4-214.2
675 IAC 13-2.4-107.3	675 IAC 13-2.4-214.4
675 IAC 13-2.4-107.5	675 IAC 13-2.4-214.6
675 IAC 13-2.4-107.6	675 IAC 13-2.4-214.7
675 IAC 13-2.4-118	675 IAC 13-2.4-228.5
675 IAC 13-2.4-118.4	

SECTION 1. 675 IAC 13-2.4-10 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-10 Section 307.2; definitions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 10. In SECTION 307.2, make the following changes:

(1) Delete, in SECTION 307.2 Definitions, the last paragraph in the definition of HIGHLY TOXIC and substitute to read as follows: Mixtures of these materials with ordinary materials, such as water, might not warrant classification as highly toxic.

**(2) In the definition of PYROPHORIC, change the temperature from “13° F (11° C)” to “130° F (54° C)”.**

~~(2)~~ **(3)** Delete, in SECTION 307.2 Definitions, in the definition of UNSTABLE (REACTIVE) MATERIAL Class 1, ~~the word~~ “which” after ~~the word~~ “can”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-10; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2878)*

SECTION 2. 675 IAC 13-2.4-19 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-19 Section 310.1; residential Group R**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 19. Change SECTION 310.1, Residential group R, as follows:

(1) ~~Add to the end of the Group R-3 description a sentence~~ **Change “R-2” to read as follows: Residential occupancies containing dwelling units or a congregate residence where the occupants are primarily permanent in nature, including:**

**Apartments**

**Congregate residences (each accommodating more than 10 persons)**

(2) **Change “R-3” to read as follows: Residential occupancies where the occupants are primarily permanent in nature and not classified as R-1, R-2, I, adult, and child care facilities that provide accommodations for five or fewer persons of any age for less than 24 hours, or bed and breakfast establishments and congregate residences (each accommodating 10 persons or less).** One and two family dwellings and townhouses not more than three (3) stories in height are regulated by the Indiana Residential Code (675 IAC 14) (See Section 101.2).

(2) (3) **Change the last paragraph of the R-4 description to read as follows: Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3 except for the height and area limitations provided in Section 503 or shall comply with the Indiana Residential Code (675 IAC 14) as a Class 1 structure.**

(3) **Add to the end of the first paragraph after “24 hours” the words “or bed and breakfast establishment”.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-19; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

SECTION 3. 675 IAC 13-2.4-20 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-20 Section R310.2; definitions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 20. ~~Add the definition of BED AND BREAKFAST ESTABLISHMENT following definitions to Section 310.2 R310.2~~  
Definitions: ~~before BOARDING HOUSE~~

(1) **BED AND BREAKFAST ESTABLISHMENT** to read as follows: BED AND BREAKFAST ESTABLISHMENT. An operator occupied residence that:

1. Provides sleeping accommodations to the public for a fee;

2. Has no more than fourteen (14) guest rooms;

3. Provides breakfast to its guests as part of the fee; and

4. Provides sleeping accommodations for no more than thirty (30) consecutive days to a particular guest. The term does not include hotels, motels, boarding houses, or food service establishments. The operator may reside within the establishment or on contiguous property.

(2) **CONGREGATE RESIDENCE** to read as follows: **CONGREGATE RESIDENCE. Is any building or portion thereof that contains facilities for living, sleeping, and sanitation, as required by this code. A congregated residence may be a shelter, convent, monastery, fraternity house, or sorority house, but does not include jails, hospitals, nursing homes, or similar institutional use groups, hotels (including motels), or boarding houses (transient).**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-20; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

SECTION 4. 675 IAC 13-2.4-22 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-22 Section 311.3; low-hazard storage**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 22. **Make the following changes to SECTION 311.3:**

(1) Add, to the beginning of the list of occupancies before “Asbestos” in Section 311.3, Low-hazard storage, Group S-2, “Aircraft Hangars”.

(2) **In the last sentence, delete “only” and insert “not”.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-22; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2879)*

SECTION 5. 675 IAC 13-2.4-24.3 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-24.3 Section 402.6; types of construction**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

**Sec. 24.3. Make the following changes in the first sentence of SECTION 402.6:**

**(1) Add a comma after “buildings”.**

**(2) Delete the comma after “construction”.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-24.3)*

SECTION 6. 675 IAC 13-2.4-32.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-32.5 Section 412.2.6; fire suppression**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 32.5. SECTION 412.2.6 is amended as follows: Renumber the current exception as Exception 1 and add Exception 2 as follows:**

**2. A fire suppression system shall not be required in aircraft hangars with a fire area of less than 12,000 square feet (1,115 m<sup>2</sup>) where there is no fueling of aircraft within the hangar.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-32.5)*

SECTION 7. 675 IAC 13-2.4-40.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-40.5 Section 506.1; general**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 40.5. In SECTION 506.1, delete “(percent)” from the definition of “I<sub>f</sub>”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-40.5)*

SECTION 8. 675 IAC 13-2.4-40.6 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-40.6 Section 506.2; frontage increase**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 40.6. In SECTION 506.2, delete “(percent)” from the definition of “I<sub>f</sub>”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-40.6)*

SECTION 9. 675 IAC 13-2.4-41.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-41.5 Section 506.3; automatic sprinkler system increase**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 41.5. Make the following changes to SECTION 506.3:**

**(1) Delete “(I<sub>s</sub> = 200 percent)” and insert “(I<sub>s</sub> = 200)”**

**(2) Delete “(I<sub>s</sub> = 300 percent)” and insert “(I<sub>s</sub> = 300)”**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-41.5)*

SECTION 10. 675 IAC 13-2.4-42.7 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-42.7 Section 507.7; Group E buildings**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 42.7. Delete SECTION 507.7 without substitution.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-42.7)*

SECTION 11. 675 IAC 13-2.4-43.2 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-43.2 Table 601; fire resistance rating for building elements (hours)**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 43.2. In the last line of the first column, BUILDING ELEMENT, under TYPE IIB, delete the reference to footnote “c”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-43.2)*

SECTION 12. 675 IAC 13-2.4-43.6 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-43.6 Section 702.1; definitions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 43.6. Add the definition of DWELLING UNIT to read as follows: For the purpose of this chapter, DWELLING UNIT means “a single unit providing complete, independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking, and sanitation”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-43.6)*

SECTION 13. 675 IAC 13-2.4-47 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-47 Table 719.1(2); rated fire-resistive periods for various walls and partitions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 47. (a) Change TABLE 719.1(2) RATED FIRE-RESISTIVE PERIODS FOR VARIOUS WALLS AND PARTITIONS as follows:** (Portions of the Table and footnotes not shown do not change)

TABLE 719.1(2)						
RATED FIRE RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS <sup>a, o, p</sup>						
MATERIAL	ITEM NUMBER	CONSTRUCTION	MINIMUM FINISHED THICKNESS FACE-TO-FACE (inches)			
			4 Hr.	3 Hr.	2 Hr.	1 Hr.
	15-1.6 <sup>lm</sup>	2" by 6" fire-retardant-treated wood studs 16" on center, interior face has two layers of 5/8" Type X gypsum with the base layer placed vertically and attached with 6d box nails 12" on center. The face layer is placed horizontally and attached with 8d box nails 8" on center at joints and 12" on center elsewhere. The exterior face has a base layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8" on center at joints and 12" on center elsewhere. An approved building paper is next applied, followed by self-furred exterior lath attached with 2 1/2", No. 12 gage galvanized roofing nails with a 3/8" diameter head and spaced 6" on center along each stud. Cement plaster consisting of a 1/2" brown coat is then applied. The scratch coat is mixed in the proportion of 1:3 by weight, cement to sand with 10 pounds of hydrated lime and 3 pounds of approved additives or admixtures per sack of cement. The brown coat is mixed in the proportion of 1:4 by weight, cement to sand with the same amounts of hydrated lime and approved additives or admixtures used in the scratch coat.	—	—	8 1/4	—
15. Exterior or interior	15-1.7 <sup>lm</sup>	2" by 6" wood studs 16" on center. The exterior face has a layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8"	—	—	8 3/8	—

walls		on center at joints and 12" <b>on center elsewhere. An approved building paper is next applied, followed by 1" by No. 18 gage self-furred exterior lath attached with 8d by 2½" long galvanized roofing nails spaced 6" on center along each stud. Cement plaster consisting of a ½" scratch coat, a bonding agent, and a ½" brown coat and a finish coat is then applied. The scratch coat is mixed in the proportion of 1:3 by weight, cement to sand with 10 pounds of hydrated lime and 3 pounds of approved additives or admixtures per sack of cement. The brown coat is mixed in the proportion of 1:4 by weight, cement to sand with the same amounts of hydrated lime and approved additives or admixtures used in the scratch coat. The interior is covered with ¾" gypsum lath with 1" hexagonal mesh of 0.035 inch (No. 20 B.W. gage) woven wire lath furred out 5/16" and 1" perlite or vermiculite gypsum plaster. Lath nailed with 1½" by No. 13 gage by 19/64" head plasterboard blued nails spaced 5" on center. Mesh attached by 1¾" by No. 12 gage by ¾" head nails with ¾" furrings, spaced 8" on center. The plaster mix shall not exceed 100 pounds of gypsum to 2½ cubic feet of aggregate.</b>				
	15-1.8 <sup>lm</sup>	2" by 6" wood studs <del>45"</del> <b>16"</b> on center. The exterior face has a layer of 5/8" Type X gypsum sheathing placed vertically with 6d box nails 8" on center at joints and 12" on center elsewhere. An approved building paper is next applied, followed by 1½" by No. 17 gage self-furred exterior lath attached with 8d by 2½" long galvanized roofing nails spaced 6" on center along each stud. Cement plaster consisting of a ½" scratch coat, and ½" brown coat is then applied. The plaster may be placed by machine. The scratch coat is mixed in the proportion of 1:4 by weight, plastic cement to sand. The brown coat is mixed in the proportion of 1:5 by weight, plastic cement to sand. The interior is covered with ¾" gypsum lath with 1" hexagonal mesh of No. 20 gage woven wire lath furred out 5/16" and 1" perlite or vermiculite gypsum plaster. Lath nailed with 1½" by No. 13 gage by 19/64" <del>and</del> head plasterboard blued nails spaced 5" on center. Mesh attached by 1¾" by No. 12 gage by ¾" head nails with ¾" furrings, spaced 8" on center. The plaster mix shall not exceed 100 pounds of gypsum to 2½ cubic feet of aggregate.	—	—	8 <sup>3</sup> / <sub>8</sub>	—
	15-1.12 <sup>q</sup>	2" by 6" wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2¼" Type S drywall screws, spaced 12" on center. Cavity filled with 4½" mineral wool insulation.	—	—	—	6 <sup>3</sup> / <sub>4</sub>
	15-1.13 <sup>q</sup>	2" by <del>5"</del> <b>6"</b> wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2¼" Type S drywall screws, spaced 7" on center.	—	—	—	6 <sup>3</sup> / <sub>4</sub>
	15-1.14 <sup>q</sup>	2" by 4" wood studs at 16" centers with double top plates, single bottom plate; interior and exterior sides covered with 5/8" Type X gypsum wallboard and sheathing, respectively, 4 feet wide, applied horizontally or vertically with vertical joints over studs, and fastened with 2¼" Type S drywall screws, spaced 12" on center. Cavity to be filled with 3½" mineral wool insulation.	—	—	—	4 <sup>3</sup> / <sub>4</sub>

(b) In item 12-1.3 and item 12-1.4, delete the reference to footnote "f".

(c) In footnote “f”, delete “item 6” and insert “item 3”.

(b) (d) Add footnote <sup>9</sup> to read as follows: <sup>9</sup>The design stress of studs shall be equal to a maximum of 100 percent of the allowable  $F_u$ , calculated in accordance with Section 2306. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-47; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2882*)

SECTION 14. 675 IAC 13-2.4-55 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-55 Section 902; definitions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 55. Change SECTION 902, Definitions, as follows:

(1) Add the definition of DWELLING UNIT after DRY-CHEMICAL EXTINGUISHING AGENT to read as follows: **DWELLING UNIT.** For the purpose of this chapter, Dwelling Unit means “a single unit providing complete, independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking, and sanitation.

(+) (2) Add the definition of Labeled after Listed to read as follows: **LABELED.** Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(-) (3) Delete the definition of RECORD DRAWINGS.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-55; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2884*)

SECTION 15. 675 IAC 13-2.4-55.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-55.5 Section 903.2.1.3; Group A-3**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 55.5. Renumber the exception to SECTION 903.2.1.3 as Exception 1 and add Exception 2 to read as follows: **2. Fire areas not exceeding 7,000 square feet (650.3 m<sup>2</sup>) used primarily for worship with or without fixed seating and not used for exhibition or display.** (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-55.5*)

SECTION 16. 675 IAC 13-2.4-56.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-56.5 Section 903.3.1.1; NFPA 13 sprinkler system**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 56.5. Change the text of SECTION 903.3.1.1 to read as follows: Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Section 903.3.1.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-55.5*)

SECTION 17. 675 IAC 13-2.4-96.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-96.5 Table 1003.2.2.2; maximum floor area allowances per occupant**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

Sec. 96.5. Change TABLE 1003.2.2.2 as follows:

(1) In the column entitled “occupancy”, on the line containing “Residential”, add “Residential Owner Occupied Units” with a corresponding floor area per occupant of “300 gross”.

(2) In the column entitled “occupancy”, at the bottom of the table, add a line containing “Child care (Daycare)” with a corresponding floor area per occupant of “35 net”.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-96.5)*

SECTION 18. 675 IAC 13-2.4-105.6 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-105.6 Section 1003.3.3; stairways**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 105.6. Add an exception to SECTION 1003.3.3 to read as follows: EXCEPTION: Stairs and ladders used to access areas used exclusively for mechanical equipment are exempt from this section.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-105.6)*

SECTION 19. 675 IAC 13-2.4-107.3 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-107.3 Section 1004.3.2.1; construction**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 107.3. Delete Exception 2 to SECTION 1004.3.2.1 without substitution.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-107.3)*

SECTION 20. 675 IAC 13-2.4-107.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-107.5 Section 1005.3.2; vertical exit enclosures**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 107.5. Add an exception “9” to SECTION 1005.3.2 to read as follows: 9. In other than occupancy Groups H and I, interior egress stairways serving only the first and second stories of a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Such interconnecting stories shall not be open to other stories.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-107.5)*

SECTION 21. 675 IAC 13-2.4-107.6 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-107.6 Section 1005.3.5.1; separation**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 107.6. In the third sentence of the first paragraph of SECTION 1005.3.5.1, delete “with no unprotected openings” without substitution.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-107.6)*

SECTION 22. 675 IAC 13-2.4-118 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-118 Table 1505.1; minimum roof covering classification for types of construction**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 118. Make the following changes to TABLE 1505.1:**

**(1) Delete in TABLE 1505.1 MINIMUM ROOF COVERING CLASSIFICATION FOR TYPES OF CONSTRUCTION, Footnote a.**

**(2) Change the reference in footnote c to 1505.7.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-118; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937)*

SECTION 23. 675 IAC 13-2.4-118.4 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-118.4 Table 1507.2; asphalt shingle application**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 118.4. Make the following changes to TABLE 1507.2:**

**(1) In item 2 of the exception, delete “1609.5” and insert “1604.5”.**

**(2) In item 2 of the exception, add “I<sub>w</sub>” after “Importance Factor”.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-118.4)*

SECTION 24. 675 IAC 13-2.4-121.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-121.5 Section 1605.4; special seismic load combinations**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 121.5. Make the following changes to SECTION 1605.4:**

**(1) In the fifth line, delete “due to” and insert “calculated using”.**

**(2) In the seventh line, add “those calculated using” before “Formula 16-20”.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-121.5)*

SECTION 25. 675 IAC 13-2.4-122 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-122 Table 1607.1; minimum uniformly distributed live loads and minimum concentrated live loads**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 122. Change Make the following changes** in TABLE 1607.1 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS:

**(1) Change** footnote “g” to read as follows: g. Where snow loads occur that are in excess of the design conditions, the structure shall be designed to support the loads due to the ~~increased loads~~ **increase** caused by drift buildup or a greater snow design determined by the registered design professional or the owner if a registered design professional is not required by the General Administrative Rules (675 IAC 12-6) or the rules for Industrialized Building Systems (675 IAC 15). See Section 1608. For special-purpose roofs, see Section 1607.11.2.2.

**(2) In the column OCCUPANCY OR USE, delete “and canopies” from item 24.**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-122; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2937)*

SECTION 26. 675 IAC 13-2.4-122.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-122.5 Section 1607.4; concentrated loads**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 122.5. In the first sentence of SECTION 1607.4, delete “1607.2” and insert “1607.3”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-122.5)*

SECTION 27. 675 IAC 13-2.4-132 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-132 Section 1616.2.3; Seismic Use Group III**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 132. Change SECTION 1616.2.3 Seismic Use Group III as follows:**

**(1) Delete the words “, or as designated by the building official”.**

**(2) Add an exception to the end of SECTION 1616.2.3 to read as follows: EXCEPTION: The seismic design category need not exceed Seismic Design Category C for buildings and structures in Seismic Use Groups I and II and Seismic Design Category**



D for Class 1 buildings and structures in Seismic Use Group III.  
(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-132; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2938*)

SECTION 28. 675 IAC 13-2.4-132.3 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-132.3 Section 1617.4.1.1; calculation of seismic response coefficient**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 132.3.** In SECTION 1617.4.1.1, at the definition for “ $S_1$ ” (Equation 16-38), add “mapped” before “maximum”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-132.3*)

SECTION 29. 675 IAC 13-2.4-132.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-132.5 Table 1617.6; design coefficients and factors for basic seismic-force resisting systems**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 132.5.** Make the following changes to TABLE 1617.6:

(1) At the entry for Basic seismic-force-resisting system, section 1 Bearing Wall Systems, line B, in column F<sup>c</sup>, delete “160” and insert “100”.

(2) At the entry for Basic seismic-force-resisting system, section 2 Building frame systems, line H, in column A or B, delete “NP” and insert “NL”.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-132.5*)

SECTION 30. 675 IAC 13-2.4-133.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-133.5 Section 1621.1; component importance factor**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 133.5.** In SECTION 1621.1.6, delete “exempted amounts” from the second listing for  $I_p$ , and insert “maximum allowable quantities”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-133.5*)

SECTION 31. 675 IAC 13-2.4-134.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-134.5 Section 1621.2.1; architectural component forces and displacements**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

**Sec. 134.5.** In the seventh line of the exception, delete “swing” and insert “of swinging,” and delete the “,” after “vertical”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-134.5*)

SECTION 32. 675 IAC 13-2.4-143 IS AMENDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-143 Section 1621.3.12.1; mechanical equipment**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 143.** Make the following changes to SECTION 1621.3.12.1:

(1) Change the first paragraph of SECTION 1621.3.12.1, Mechanical equipment, to read as follows: Mechanical equipment that is within the scope of Section 101.2 having an  $I_p$  greater than 1.0 shall meet the following requirements:

1. For equipment components vulnerable to impact, equipment components constructed of nonductile materials, or in cases where material ductility is reduced (e.g., low temperature applications), seismic impact shall be prevented.
2. The design shall include the effect of loadings imposed on the equipment by attached utility or service lines due to differential

motions of points of support from separate structures.

**(2) In fourth line, in the second paragraph, delete “exempted amounts” and insert “maximum allowable quantities”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-143; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2939)*

SECTION 33. 675 IAC 13-2.4-180.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-180.5 Table 1904.4.1; maximum chloride ion content for corrosion protection of reinforcement**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 180.5. In the second column of TABLE 1904.4.1, delete “DL” and insert “DI”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-180.5)*

SECTION 34. 675 IAC 13-2.4-201.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-201.5 Section 2109.5.5.2; additional provisions**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 201.5. In SECTION 2109.5.5.2, delete “1504.2, 1504.3 and 1504.4” and insert “1503.2, 1503.3, and 1503.4”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-201.5)*

SECTION 35. 675 IAC 13-2.4-201.7 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-201.7 Section 2110.1.1; limitations**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 201.7. In the first sentence of SECTION 2110.1.1, delete “fire separation assemblies” and insert “fire barriers”.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-201.7)*

SECTION 36. 675 IAC 13-2.4-210.3 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-210.3 Table 2304.6.1; minimum thickness of wall sheathing**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 210.3. In TABLE 2304.6.1, in the column “MINIMUM THICKNESS”, change “1½ inch” to “½ inch” for Fiberboard.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-210.3)*

SECTION 37. 675 IAC 13-2.4-210.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-210.5 Table 2304.9.1; fastening schedule**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 210.5. Change TABLE 2304.9.1 as follows: In the column heading, CONNECTION, at item 6, “Sole plate to joist or blocking at braced wall panel”, in the column heading, FASTENING, add the number “4” at the beginning of the last two lines.** *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-210.5)*

SECTION 38. 675 IAC 13-2.4-213.3 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-213.3 Section 2304.11.9; underfloor ventilation (crawl space)**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 213.3.** In SECTION 2304.11.9, delete “1202.4” and insert “1202.3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-213.3)*

SECTION 39. 675 IAC 13-2.4-213.5 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-213.5 Section 2306.1; allowable stress design**

**Authority:** IC 22-13-2-2; IC 22-1

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 213.5.** In SECTION 2306.1, for reference standard for TRUSS PLATE INSTITUTE, INC., delete “TPI 1-1995” and insert “TPI 1”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-213.5)*

SECTION 40. 675 IAC 13-2.4-213.7 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-213.7 Table 2306.4.1; allowable shear (pounds per foot) for wood structural panel shear walls with framing for Douglas fir-larch, or southern pine for wind or seismic loading**

**Authority:** IC 22-13-2-2; IC 22-1

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 213.7.** Make the following changes to TABLE 2306.4.1:

(1) At the entry for Structural 1 Sheathing,  $\frac{15}{32}$  Nominal Panel Thickness,  $1\frac{3}{8}$  Fastener Penetration: delete the entry for 10d nails and the associated values.

(2) At the entry for Structural 1 Sheathing,  $\frac{15}{32}$  Nominal Panel Thickness,  $1\frac{3}{8}$  Fastener Penetration, Panels Applied Direct to Framing, 3 inch edge spacing (550): delete the reference to footnote “f”.

(3) At the entry for Structural 1 Sheathing,  $\frac{7}{16}$  Nominal Panel Thickness,  $1\frac{3}{8}$  Fastener Penetration, Panel Applied over Gypsum Sheathing, 3 inch edge spacing (550): add the reference to footnote “f”.

(4) At the entry for Sheathing, Plywood Siding,  $\frac{15}{32}$  Nominal Panel Thickness,  $1\frac{3}{8}$  Fastener Penetration, Panels Applied Direct to Framing, 3 inch edge spacing (490): delete the reference to footnote “f”.

(5) At the entry for Sheathing, Plywood Siding,  $\frac{3}{8}$  Nominal Panel Thickness,  $1\frac{3}{8}$  Fastener Penetration, Panels Applied Direct to Framing with 8d galvanized “casing” nails, 3 inch edge spacing (310): delete the reference to footnote “f”.

(6) Change footnote “c” to read as follows:  $\frac{3}{8}$  inch panel thickness or siding with a span of 16 inches on center is minimum recommended where applied directly to framing as exterior siding.

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-213.7)*

SECTION 41. 675 IAC 13-2.4-214.2 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-214.2 Section 2308.2.1; basic wind speed greater than 100 mph (3-second gust)**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 214.2.** In SECTION 2308.2.1, delete the comma after “(WFCM)” and insert “For One-and-Two Family Dwellings, SBC High Wind Edition,”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-214.2)*

SECTION 42. 675 IAC 13-2.4-214.4 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-214.4 Table 2308.8(1); floor joist spans for common lumber species**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 214.4.** In TABLE 2308.8(1), for 12 inch spacing, under the listing for SPECIES AND GRADE-Southern pine #2; DEAD LOAD = 10 psf; 2X12, delete “18-8” and insert “24-2”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-214.4)*

SECTION 43. 675 IAC 13-2.4-214.6 IS ADDED TO READ AS FOLLOWS:

**675 IAC 13-2.4-214.6 Table 2308.9.5; header and girder spans for exterior walls (maximum header span for Douglas fir-larch, hem-fir, southern pine, and spruce-pine-fir and required jack studs)**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 214.6. In TABLE 2308.9.5, in the column titled “HEADERS SUPPORTING”, change the following:**

**(1) In the Roof & Ceiling section, change the numbers for 4-2x8 to read across as follows: [9-2], [1], [8-4], [1], [7-8], [1], [8-4], [1], [7-5], [1], [6-8], [1].**

**(2) In the Roof, Ceiling and 1 Center-Bearing Floor section, change the numbers for 4-2x8 to read across as follows: [8-1], [1], [7-3], [1], [6-7], [1], [7-5], [1], [6-6], [1], [5-11], [2].**

**(3) In the Roof, Ceiling and 1 Clear Span Floor section, change the numbers for 4-2x8 to read across as follows: [7-2], [1], [6-3], [2], [5-7], [2], [7-0], [1], [6-1], [2], [5-6], [2].**

**(4) In the Roof, Ceiling and 2 Center-Bearing Floors section, change the numbers for 4-2x8 to read across as follows: [6-10], [1], [6-0], [2], [5-5], [2], [6-8], [1], [5-10], [2], [5-3], [2].**

**(5) In the Roof, Ceiling and 2 Clear Span Floors section, change the numbers for 4-2x8 to read across as follows: [5-7], [2], [4-10], [2], [4-4], [2], [5-6], [2], [4-9], [2], [4-3], [2].**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-214.6)*

**SECTION 44. 675 IAC 13-2.4-214.7 IS ADDED TO READ AS FOLLOWS:**

**675 IAC 13-2.4-214.7 Table 2308.9.6; header and girder spans for exterior walls (maximum header span for Douglas fir-larch, hem-fir, southern pine, and spruce-pine-fir and required jack studs)**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 214.7. Make the following changes to TABLE 2308.9.6:**

**(1) In the third line of the heading, after “Maximum” and before “spans”, delete “header”.**

**(2) In the One Floor Only section, change the numbers for 4-2x8 to read across as follows: [9-0], [1], [7-8], [1], [6-9], [1].**

**(3) In the Two Floors section, change the numbers for 4-2x8 to read across as follows: [6-1], [1], [5-3], [2], [4-8], [2].**

*(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-214.7)*

**SECTION 45. 675 IAC 13-2.4-228.5 IS ADDED TO READ AS FOLLOWS:**

**675 IAC 13-2.4-228.5 Section 3104.5; fire barriers between pedestrian walkways and buildings**

**Authority:** IC 22-13-2-2; IC 22-13-2-13

**Affected:** IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7; IC 36-8

**Sec. 228.5. In the first sentence of Condition 1 of the exception to SECTION 3104.5, delete “connected buildings are” and insert “a connected building is”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.4-228.5)***

### ***Notice of Public Hearing***

*Under IC 4-22-2-24, notice is hereby given that on April 19, 2005, at 10:00 a.m., at the Indiana Government Center-South, 402 West Washington Street, Conference Center Room C, Indianapolis, Indiana; AND on June 7, 2005 at 10:00 a.m., at the Indiana Government Center-South, 402 West Washington Street, Conference Center Room B, Indianapolis, Indiana the Fire Prevention and Building Safety Commission will hold a public hearing on proposed amendments to the Indiana Building Code. Copies of these rules are now on file at the Indiana Government Center-South, 402 West Washington Street, Room W246 and Legislative Services Agency, One North Capitol, Suite 325, Indianapolis, Indiana and are open for public inspection.*

Secretary  
Fire Prevention and Building Safety Commission