ARTICLE 13. BUILDING CODES

Rule 1. Fire and Building Safety Standards

675 IAC 13-1-1 Fire safety standards *(Expired)*

Sec. 1. *(Expired under IC 4-22-2.5, effective January 1, 2002.)*

675 IAC 13-1-2 Building safety standards *(Repealed)*

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 2, 1989, 4:25 p.m.: 13 IR 293)*

675 IAC 13-1-3 Availability of adopted matter *(Expired)*

Sec. 3. *(Expired under IC 4-22-2.5, effective January 1, 2007.)*

675 IAC 13-1-4 NFPA 11 *(Repealed)*

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

675 IAC 13-1-5 NFPA 12 *(Repealed)*

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

675 IAC 13-1-6 NFPA 12A *(Repealed)*

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104)*

675 IAC 13-1-7 NFPA 12B *(Repealed)*

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104)*

675 IAC 13-1-8 NFPA 13; installation of sprinkler systems *(Repealed)*

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 2012, 2:00 p.m.: 20120926-IR-675110683FRA)*

675 IAC 13-1-9 NFPA 14 *(Repealed)*

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Feb 21, 2014, 4:15 p.m.: 20140319-IR-675120522FRA)*

675 IAC 13-1-9.5 NFPA 17 *(Repealed)*

Sec. 9.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

675 IAC 13-1-9.6 NFPA 17A *(Repealed)*

Sec. 9.6. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-*

675050104FRA)

675 IAC 13-1-10 NFPA 20; installation of stationary pumps for fire protection *(Expired)*

Sec. 10. *(Expired under IC 4-22-2.5, effective January 1, 2016.)*

675 IAC 13-1-11 NFPA 71 *(Repealed)*

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

675 IAC 13-1-12 NFPA 72A *(Repealed)*

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-12.1 NFPA 72 *(Repealed)*

Sec. 12.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 13-1-13 NFPA 72B *(Repealed)*

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-14 NFPA 72C *(Repealed)*

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-15 NFPA 72D *(Repealed)*

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-16 NFPA 72E *(Repealed)*

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

675 IAC 13-1-17 NFPA 96 *(Repealed)*

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992)*

675 IAC 13-1-18 NFPA 231 *(Repealed)*

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

675 IAC 13-1-19 NFPA 231C *(Repealed)*

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

675 IAC 13-1-20 NFPA 56F *(Repealed)*

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 6, 1987, 3:00 pm: 11 IR 787)*

675 IAC 13-1-21 NFPA 61B *(Expired)*

Sec. 21. *(Expired under IC 4-22-2.5, effective January 1, 2020.)*

675 IAC 13-1-22 NFPA 82 *(Repealed)*

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

675 IAC 13-1-23 NFPA 664 *(Repealed)*

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3932)*

675 IAC 13-1-24 NFPA 72F *(Repealed)*

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-25 NFPA 13R *(Repealed)*

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 2012, 2:03 p.m.: 20120926-IR-675110684FRA)*

675 IAC 13-1-26 NFPA 31; standard for the installation of oil burning equipment *(Repealed)*

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754)*

675 IAC 13-1-27 NFPA 37; standard for the installation and use of stationary combustion engines and gas turbines *(Repealed)*

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

675 IAC 13-1-28 NFPA 2001 *(Repealed)*

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*

Rule 2. Indiana Building Code *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989)

Rule 2.1. Indiana Building Code, 1989 Edition *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993)

Rule 2.2. Indiana Building Code, 1993 Edition *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908)

Rule 2.3. 1998 Indiana Building Code *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Apr 21, 2003, 8:30 a.m.: 26 IR 2951)

Rule 2.4. 2003 Indiana Building Code *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 18, 2008, 2:34 p.m.: 20080423-IR-675070476FRA, eff 90 days after filing with the Publisher)

Rule 2.5 2008 Indiana Building Code *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

Rule 2.6. 2014 Indiana Building Code

675 IAC 13-2.6-1 Adoption by reference

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. 1. (a) That certain document being titled the International Building Code, 2012 Edition, first printing dated May 2011, as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in sections 2 through 36 of this rule.

(b) This rule is available for review and reference at the:
Legal and Code Services Section
Indiana Department of Homeland Security
Indiana Government Center South
402 West Washington Street, Room W246
Indianapolis, Indiana 46204.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-1; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-2 Chapter 1; administration

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 4-21.5; IC 4-22-7-7; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7

Sec. 2. Delete Chapter 1 and insert to read as follows: (a) 101.1 Title Availability: This rule shall be known as the 2014 Indiana Building Code and shall be published, except incorporated documents, by the Department of Homeland Security for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the 2014 Indiana Building Code.

(b) 101.2 Scope and Purpose:

(1) The scope and purpose of this code is to establish the minimum requirements for the following:

(A) Construction, addition, alteration, erection, or assembly of any part of a Class 1 structure at the site where the structure will be used.

(B) Installation of any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems for a Class 1 structure at the site where it will be used.

(C) Work undertaken to alter, remodel, rehabilitate, or add to any part of a Class 1 structure.

(D) Safeguarding life or property from the hazards of fire and explosion for Class 1 structures.

(E) Fabrication of any part of a Class 1 industrialized building system for installation, assembly, or use at another site, except mobile structures.

(F) Work undertaken to relocate any part of a Class 1 structure, except a mobile structure.

(G) Assembly of a Class 1 industrialized building system that is not covered by subdivision (5), except mobile structures.

(2) Detached one (1) and two (2) family dwellings and townhouses not more than three (3) stories high, and their accessory structures shall comply with the Indiana Residential Code, 675 IAC 14.

(c) 101.3 Appendices and Standards: Provisions in the appendices are not enforceable unless specifically adopted. The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

Exception: Where enforcement of a code provision would violate the conditions of the listing, labeling, or manufacturer's installation instructions of the equipment or appliance, the conditions of the listing, labeling, or manufacturer's instructions shall apply.

(d) 101.4 Appeals and Interpretations: Appeals from orders issued by the Commission are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person who has a dispute with a county or municipal government concerning a building rule, the state building commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled in a proceeding under IC 4-21.5. A written interpretation of a building law binds all counties and municipalities if the state building commissioner publishes the written interpretation of the building law in the Indiana Register under IC 4-22-7-7(b).

(e) 101.5 Plans: Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12) and the rules for Industrialized Building Systems (675 IAC 15).

(f) 101.6 Existing Construction: For existing Class 1 structures, see the General Administrative Rules (675 IAC 12), the Indiana Fire Code (675 IAC 22), and local ordinance.

(g) 101.7 Additions and Alterations: Additions and alterations to any Class 1 structure shall conform to that required of a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe (see the General Administrative Rules (675 IAC 12-4)).

(h) 101.8 Alternate Materials, Methods, and Equipment: Alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11) and the rules for Industrialized Building Systems (675 IAC 15).

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-2; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-3 Chapter 2; definitions

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

Affected: IC 10-19-2; IC 22-12-1-4; IC 22-12-1-5; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7-2-9; IC 36-8-17-8

Sec. 3. Chapter 2 is amended as follows: (a) Delete the title and text of Section 201.3 in its entirety and insert to read as follows: 201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the Indiana Fire Code (675 IAC 22), Indiana Electrical Code (675 IAC 17), Indiana Fuel Gas Code (675 IAC 25), Indiana Mechanical Code (675 IAC 18), Indiana Energy Conservation Code (675 IAC 19), or Indiana Plumbing Code (675 IAC 16), such terms shall have the meanings ascribed to them as in those codes.

(b) Amend Section 202, Definitions as follows:

(1) Amend the definition of ACCREDITATION BODY to delete "An approved" and insert "A".

(2) Delete the definition of AGRICULTURAL BUILDING without substitution.

(3) Delete the text in the definition of APPROVED and insert to read as follows: APPROVED means acceptance by the authority having jurisdiction by one (1) of the following methods:

(i) Investigation or tests conducted by nationally recognized authorities; or

(ii) Investigation or tests conducted by nationally recognized technical or scientific organizations; or

(iii) Nationally accepted principles.

The investigation, tests, or principles shall establish that the method, material, equipment, design, or type of construction is safe for its intended purpose.

(4) Delete the definition of APPROVED AGENCY without substitution.

(5) Delete the definition of APPROVED FABRICATOR without substitution.

(6) Add the definition of ASME A17.1 to read as follows: ASME A17.1. See the Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).
(7) Add the definition of BED AND BREAKFAST ESTABLISHMENT to read as follows: BED AND BREAKFAST ESTABLISHMENT means an operator occupied residence that:
(a) Provides sleeping accommodations to the public for a fee;
(b) Has not more than fourteen (14) guest rooms;
(c) Provides breakfast to its guests as part of the fee; and
(d) Provides sleeping accommodations for not 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.
(8) Add the definition of BUILDING CODE to read as follows: See Indiana Building Code.
(9) Delete the text in the definition of BUILDING OFFICIAL and insert to read as follows: See Code Official.
(10) Add the definition of CLASS 1 STRUCTURE to read as follows: CLASS 1 STRUCTURE. See IC 22-12-1-4.
(11) Add the definition of CODE OFFICIAL to read as follows: CODE OFFICIAL means the division of fire and building safety, the local building official as authorized under IC 36-7-2-9, and the local ordinance or the local fire department as authorized under IC 36-8-17-8.
(12) Delete the text in the definition of CONSTRUCTION DOCUMENTS and insert to read as follows: CONSTRUCTION DOCUMENTS means documents required to obtain a design release in accordance with the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).
(13) Delete the text in the definition of DETECTABLE WARNING and insert to read as follows: DETECTABLE WARNING means a standardized surface feature built in or applied to walking surfaces or other elements to warn of hazards on a circulation path.
(14) Add the definition of DIVISION OF FIRE AND BUILDING SAFETY to read as follows: DIVISION OF FIRE AND BUILDING SAFETY means the Division of Fire and Building Safety of the Indiana Department of Homeland Security created pursuant to IC 10-19-2.
(15) Delete the text in the definition of DWELLING UNIT and insert to read as follows: DWELLING UNIT means any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by this code, for not more than one (1) family, or congregate resident for sixteen (16) or fewer persons.
(16) Add the definition of ELECTRICAL CODE to read as follows: See Indiana Electrical Code.
(17) Delete the text in the definition of FACILITY and insert to read as follows: FACILITY means all or any portion of Class I structures, site improvements, elements, and pedestrian or vehicular routes located on a site, where the Class I structure is located.
(18) Delete the text in the definition of FIRE AREA and insert to read as follows: FIRE AREA means the aggregate floor area enclosed and bounded by fire walls, fire barriers, exterior walls, or fire-resistance-rated horizontal assemblies of a building.
(19) Add the definition of FIRE CODE to read as follows: FIRE CODE. See the Indiana Fire Code.
(20) Add the definition of FIRE DEPARTMENT to read as follows: FIRE DEPARTMENT. See CODE OFFICIAL.
(21) Amend the definition of FIRE PROTECTION RATING by deleting "715" and inserting "716".
(22) Delete the definition of HISTORIC BUILDINGS without substitution.
(23) Amend the definition of HURRICANE-PRONE REGIONS in item 1 by inserting "II" after "Category".
(24) Add the definition of ICC/ANSI A117.1 to read as follows: ICC/ANSI A117.1. See Chapter 11 of this code.
(25) Amend the definition of IMMEDIATELY DANGEROUS TO LIFE AND HEALTH (IDLH) by deleting the text in the second and third sentences without substitution.
(26) Add the definition of INDIANA BUILDING CODE to read as follows: INDIANA BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(27) Add the definition of INDIANA ELECTRICAL CODE to read as follows: INDIANA ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17) in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(28) Add the definition of INDIANA ENERGY CONSERVATION CODE to read as follows: INDIANA ENERGY CONSERVATION CODE means the Indiana Energy Conservation Code (675 IAC 19) in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(29) Add the definition of INDIANA FIRE CODE to read as follows: INDIANA FIRE CODE means the Indiana Fire Code

(675 IAC 22) in effect in Indiana at the time of inspection by the authority having jurisdiction or, with respect to construction, in accordance with 675 IAC 12-4-7.
(30) Add the definition of INDIANA FUEL GAS CODE to read as follows: INDIANA FUEL GAS CODE means the Indiana Fuel Gas Code (675 IAC 25) in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(31) Add the definition of INDIANA MECHANICAL CODE to read as follows: INDIANA MECHANICAL CODE means the Indiana Mechanical Code (675 IAC 18) in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(32) Add the definition of INDIANA PLUMBING CODE to read as follows: INDIANA PLUMBING CODE means the Indiana Plumbing Code (675 IAC 16) in effect in Indiana at the time of construction in accordance with 675 IAC 12-4-7.
(33) Add the definition of INSPECTION AUTHORITY to read as follows: INSPECTION AUTHORITY. See Code Official.
(34) Delete the definition of INSPECTION CERTIFICATE without substitution.
(35) Add the definition of INTERNATIONAL BUILDING CODE to read as follows: INTERNATIONAL BUILDING CODE. See Indiana Building Code.
(36) Add the definition of INTERNATIONAL ENERGY CONSERVATION CODE to read as follows: INTERNATIONAL ENERGY CONSERVATION CODE. See Indiana Energy Conservation Code.
(37) Add the definition of INTERNATIONAL FIRE CODE to read as follows: INTERNATIONAL FIRE CODE. See Indiana Fire Code.
(38) Add the definition of INTERNATIONAL FUEL GAS CODE to read as follows: INTERNATIONAL FUEL GAS CODE. See Indiana Fuel Gas Code.
(39) Add the definition of INTERNATIONAL MECHANICAL CODE to read as follows: INTERNATIONAL MECHANICAL CODE. See Indiana Mechanical Code.
(40) Add the definition of INTERNATIONAL PLUMBING CODE to read as follows: INTERNATIONAL PLUMBING CODE. See Indiana Plumbing Code.
(41) Delete the definition of JURISDICTION without substitution.
(42) Delete the text in the definition of LABELED and insert to read as follows: LABELED means 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.
(43) Delete the text in the definition of LISTED and insert to read as follows: LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.
(44) Amend the definition of MASONRY by deleting "accepted" and inserting "approved".
(45) Add the definition of NFPA 70, NATIONAL ELECTRICAL CODE to read as follows: NFPA 70 NATIONAL ELECTRICAL CODE. See Electrical Code.
(46) Delete the definition of PERMIT without substitution.
(47) Amend the definition of PLATFORM by inserting "other than fixed or horizontal sliding curtains complying with Section 806 which do not exceed 20 feet in height" after "wherein there are no overhead hanging curtains,".
(48) Add the definition of QUALIFIED INDIVIDUAL to read as follows: QUALIFIED INDIVIDUAL means a person who has documentation evidencing that he or she has successfully completed a course of instruction related to the equipment being installed or serviced and has provided such documentation to the Code Official upon request.
(49) Delete the definition of RECORD DRAWINGS without substitution.
(50) Delete the text in the definition of REGISTERED DESIGN PROFESSIONAL and insert to read as follows: REGISTERED DESIGN PROFESSIONAL means an architect who is registered under IC 25-4 or professional engineer who is registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then it means the owner.
(51) Delete the definition of REPAIR without substitution.
(52) Delete the definition of RESIDENTIAL AIRCRAFT HANGAR without substitution.
(53) Delete the definition of STRUCTURAL OBSERVATION without substitution.
(54) Add the definition of TOWNHOUSE to read as follows: TOWNHOUSE has the meaning ascribed thereto in IC 22-12-1-5(c).

(55) Add the definition of TRAINED PERSONNEL to read as follows: TRAINED PERSONNEL. See QUALIFIED INDIVIDUAL.

(56) Delete the text in the definition of TYPE A UNIT and insert to read as follows: TYPE A UNIT means a dwelling unit or sleeping unit designed and constructed for accessibility by physically disabled persons in accordance with 675 IAC 13 and the provisions of American National Standard A117.1, 2009 edition, entitled "Accessible and Usable Buildings and Facilities" that are applicable to Type A units.

(57) Delete the text in the definition of TYPE B UNIT and insert to read as follows: TYPE B UNIT means a dwelling unit or sleeping unit designed and constructed for accessibility by physically disabled persons in accordance with 675 IAC 13 and the provisions of American National Standard A117.1, 2009 edition, entitled "Accessible and Usable Buildings and Facilities" that are applicable to Type B units.

(58) Delete the text in the definition of VEHICLE BARRIER and insert to read as follows: VEHICLE BARRIER means a component or a system of components, near open sides or walls of garage floors or ramps that acts as a restraint for vehicles.

(59) Amend the definition of WIND-BORNE DEBRIS REGION by deleting "; or Hawaii" without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-3; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-4 Chapter 3; use and occupancy classification

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. 4. Chapter 3 is amended as follows: (a) Amend Section 301.1, Scope, by deleting "buildings and" and inserting "Class 1".

(b) Amend Section 304, Business Group B, by adding "Fire and police stations" after "Electronic data processing".

(c) Amend Table 307.1(1), Maximum Allowable Quantity Per Control Area of Hazardous Materials Posing a Physical Hazard as follows:

(1) In the Material column, after "Cryogenics oxidizing" and after "Oxidizing gas", add footnote "r".

(2) Add footnote "r" after footnote "q" to read as follows: I-2 occupancies shall be permitted to contain the following quantities:

(a) 300 cu. Ft. or less per smoke compartment may be stored without an enclosure if associated with patient care areas. (See Section 407.5 for smoke compartment requirements.)

(b) 3,000 cu. Ft. or less per room may be stored in rooms separated from adjacent spaces by smoke partitions complying with Section 710.

(c) 20,000 cu. Ft. or less per room may be stored in rooms separated from adjacent spaces by 1-hour fire barriers complying with Section 707.

(d) Regardless of quantities, rooms containing manifolds shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 707.

(e) Regardless of quantities, rooms used for liquid oxygen transfer shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 707.

(d) Amend Use-Closed Systems column by inserting footnote "e" between "10" and footnote "g" in the "Gas (cubic feet at NTP)" column of the Pyrophoric material row.

(e) Amend table 307.1(2), Maximum Allowable Quantity Per Control Area of Hazardous Material Posing A Health Hazard by adding footnote "e and f" in the "Solid pounds (cubic feet)" column heading, under "Storage".

(f) Amend Section 307.3.1, Occupancies containing explosives not classified as H-1, in item 2, by deleting "Exoplosives", and inserting "Explosives".

(g) Amend Section 308.3.1, Five or fewer persons receiving care, by deleting "or with Section P2904 of the International Residential Code".

(h) Amend Section 308.4.1, Five or fewer persons receiving care, by deleting the text and inserting to read as follows: A facility such as the above with five or fewer persons receiving such care shall be classified as Group R-3.

(i) Amend Section 310.1, Residential Group R, by deleting after "Group I", "or when not regulated by the International Residential Code".

(j) Amend Section 310.3, Residential Group R-1, by inserting "Bed and Breakfast Establishments" before "Boarding houses (transient) with more than 10 occupants".

(k) Amend Section 310.5, Residential Group R-3, by inserting after "congregate living facilities (transient) with 10 or fewer occupants, and Bed and Breakfast Establishments", "One and two family dwellings and townhouses are regulated by the Indiana Residential Code (675 IAC 14)".

(l) Amend Section 310.5.1, Care facilities within a dwelling, by deleting after "903.3.1.3", "or with Section P2904 of the International Residential Code".

(m) Amend Section 312.1, General, by deleting the text and inserting to read as follows: Group U Occupancies shall include buildings or structures, or portions thereof, and shall be classified as follows: Private garages, carports, sheds, tanks, towers, and agricultural buildings that are Class 1 structures. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-4; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-5 Chapter 4; special detailed requirements based on use and occupancy

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. 5. Chapter 4 is amended as follows: (a) Delete Section 402.3, Lease plan, without substitution.

(b) Amend Section 403.2.3, Structural integrity of interior exit stairways and elevator hoistway enclosures, by deleting "III or" without substitution.

(c) Amend Section 403.3.2, Water supply to required fire pumps, by inserting "In buildings over 420 feet (128,000 mm) in height", before "Required".

(d) Amend Section 403.4.5, Emergency responder radio coverage, by deleting the text and inserting to read as follows: When required by local ordinance, all new buildings shall have complied radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.

(e) Delete Section 403.5.5, Luminous egress path markings, without substitution.

(f) Amend Section 403.6.1, Fire service access elevator as follows:

(1) Delete "120 feet (36 576 mm)" and insert "420 feet (128 000 mm)".

(2) Delete "two" and insert "one, and delete 'elevators' after 'access' and insert 'elevator'".

(g) Amend Section 404.2, Use, by deleting the text and inserting to read as follows: See the Indiana Fire Code (675 IAC 22).

(h) Amend Section 404.6, Enclosure of atriums, to read as follows:

(1) Renumber the current exception as Exception 1.

(2) Delete "1." and insert "1.1".

(3) Delete "1.1" and insert "1.2".

(4) Delete "1.2" and insert "1.3".

(i) Amend Section 405.1, General, by deleting Exception 1.

(j) Amend Section 406.1, General, by adding an exception to read as follows: Exception: Incidental overnight parking of commercial vehicles in S-1, S-2, F-1, F-2 and M occupancies is permitted.

(k) Amend Section 406.4.1, Clear height, by deleting the second sentence without substitution.

(l) Amend Section 408.6, Smoke barrier, by deleting "408.8" and inserting "408.7".

(m) Amend Section 412.4.3, Floor surface, by deleting the text in the last sentence and inserting to read as follows: Floor drains shall discharge through an oil separator to an approved location.

(n) Amend Section 412.4.6, Fire suppression, by renumbering the current exception as Exception 1, and adding Exception 2 to read 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^2) where there is no fueling of aircraft within the hangar.

(o) Delete Section 412.5, Residential aircraft hangars, in its entirety without substitution.

(p) Amend Section 413.2, Attic, under-floor and concealed spaces, in the exception by deleting "open" and inserting "opening".

(q) Amend Section 414.1.3, Information required, by deleting the text and inserting to read as follows: A report shall be submitted to the code official identifying the maximum expected quantities of hazardous materials to be stored, used in a closed system, and used in an opened system representing hazards that are classified in group H, and subdivided to separately address

hazardous material classification categories based on Tables 307.1(1) and 307.1(2). The methods of protection from such hazards, including but not limited to control areas, and fire protection systems, shall be indicated in the report and on the construction documents.

(r) Amend Table 414.2.2, Design and Number of Control Areas, to read as follows:

(1) In the table heading after "Areas", add footnote "c".

(2) Add footnote "c" to read as follows: c. This table shall not apply to the storage or use of Oxidizing Cryogenics, Oxidizing Gases, and Liquefied Oxidizing Gases in I-2 occupancies.

(s) Amend footnote "a" under Table 415.5.2, Detached Building Required, by deleting in the first sentence, "33" and inserting "56".

(t) Amend Section 415.5.1.3, Groups H-2 and H-3, by deleting "415.3.2" and inserting "415.5.2".

(u) Delete Section 415.10.6, Piping and tubing, in its entirety without substitution.

(v) Delete Section 415.10.7, Continuous gas detection systems, in its entirety without substitution.

(w) Amend Section 417.1, General, by deleting the text and inserting to read as follows: A drying room or dry kiln installed within a building shall be constructed entirely of approved noncombustible materials.

(x) Amend Section 419.3.1 Egress capacity, by deleting "1004.1.1" and inserting "1004.1.2".

(y) Delete Section 422.6, Automatic sprinkler systems, without substitution.

(z) Delete Section 422.7, Fire alarm systems, without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-5; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014; errata filed Aug 7, 2014, 8:54 a.m.: 20140827-IR-675130339ACA)*

675 IAC 13-2.6-6 Chapter 5; general building heights and areas

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. 6. Chapter 5 is amended as follows: (a) Amend Section 501.2, Address identification, by deleting the text and inserting to read as follows: When not otherwise required by local ordinance, buildings shall be provided with approved address numbers, building numbers, or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6mm) high with a minimum stroke width of .5 inch (12.7mm). Address numbers shall be maintained.

(b) Amend Table 503, Allowable Building Heights and Areas as follows:

(1) In the "stories" category for "B II-B" and "III-B", delete "3" and insert "4".

(2) In the "stories" category for "M II-B" and "III-B", delete "2" and insert "4".

(3) In the "stories" category for "S-1 II-B" and "III-B", delete "2" and insert "3".

(4) In the "stories" category for "S-2 II-B" and "III-B", delete "3" and insert "4".

(c) Amend Section 504.2, Automatic sprinkler system increase, by deleting "exception 3" without substitution.

(d) Amend Section 505.2.1 Area limitation, by adding an exception number 3 to read as follows: 3. The aggregate area of mezzanines in buildings and structures of Use Group S-1, S-2, F-1, and F-2 occupancies constructed of Type I or II construction, shall not be greater than one-half of the floor area of the room in buildings and structures equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, and audible and visual alarm notification appliances will activate throughout the notification zones upon sprinkler waterflow.

(e) Amend Section 506.2.2, Open space limits, by adding an exception to read as follows: Exception: A 4-hour fire wall shall be considered equivalent to sixty (60) feet of open space for any building.

(f) Amend the first paragraph of Section 507.3, Sprinklered, one story, by adding "E", between "B" and "F".

(g) Amend Section 507.4, Two story, by adding "E", between "B" and "F".

(h) Delete Section 507.10, Group E buildings, without substitution.

(i) Amend Table 508.4, Required Separation of Occupancies (Hours), by inserting footnote "a" after "I-1" in both occupancy columns.

(j) Amend Section 509.4.2, Protection, by adding the following sentences after NFPA 80: Penetrations through walls capable of resisting the passage of smoke shall be sealed, but are not required to be fire-resistive. Ductwork penetrating walls capable of

resisting the passage of smoke shall be sealed around the perimeter of the duct, but are not required to have fire/smoke dampers.

(k) Amend Section 510.7, Open parking garage beneath Groups A, I, B, M and R, by adding an exception to read as follows: Exception: The portions of the building containing Groups A, I, B, M and/or R occupancies are permitted to adjoin the portion of the building containing the open parking garage in the horizontal plane as well as the vertical plane, provided that the separation specified in Section 510.7.1 is achieved. The allowable height and area for Groups A, I, B, M and/or R occupancies shall not exceed the limitations set in Section 503 and the total floor area, including the open parking garage and the Groups A, I, B, M and/or R occupancies, shall not exceed the allowable area in Table 406.5.4.

(l) Amend Section 510.7.1, Fire separation, by deleting "706" and inserting "707".

(m) Amend Section 510.8, Group B or M with Group S-2 open parking garage, by deleting in item 6, "405.5" and inserting "406.5". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-6; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-7 Chapter 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. 7. Chapter 6 is amended as follows: (a) Amend Table 601, Fire-Resistance Rating Requirements for Building Elements (Hours), by deleting all references to footnote "d" without substitution.

(b) Amend Section 602.4.1, Columns, by adding a sentence after "manner." to read as follows: Protection in accordance with Section 704.2 is not required.

(c) Amend Section 603.1, Allowable materials as follows:

(1) Change the format for numbers "3-25" to be items to this section, not additional exceptions to item "2".

(2) Amend item 18 by deleting "803.4" and inserting "803.11".

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-7; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-8 Chapter 7; fire and smoke protection features

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. 8. Chapter 7 is amended as follows: (a) Amend Section 701.2 to add an exception as follows: Exception: Elevator doors in corridors are not required to be smoke and draft control assemblies in accordance with Section 716.5.3.1.

(b) Amend Section 703.4, Automatic sprinklers, by deleting the last sentence without substitution. Exception: An approved alternative method.

(c) Amend Section 703.7, Marking and identification, by deleting the text and inserting to read as follows:

Fire walls and vertical fire barriers shall be effectively and permanently identified with signs or stenciling. Such identification shall:

1. Be located in accessible concealed floor, floor-ceiling, and attic spaces;
2. Be located within 15 feet (4,572 mm) of the end of each wall and at intervals not exceeding 30 feet (9144 mm) measured horizontally along the wall or partition; and
3. Include lettering not less than 3 inches (76 mm) in height with a minimum 3/8 inch (9.5 mm) stroke in a contrasting color incorporating the suggested wording, "FIRE WALL or FIRE BARRIER – PROTECT ALL OPENINGS" or similar wording.

Exception: Walls in Group R-2 occupancies that do not have a removable decorative ceiling allowing access to the concealed space.

(d) Amend Section 705.5, Fire-resistance ratings, by deleting "10 feet (3048 mm)" in both places and inserting "5 feet (1524 mm)".

(e) Amend Section 705.7, Unexposed surface temperature, in "equation 7-1", by deleting "t" after "A" and inserting "f".

(f) Amend Section 706.2, Structural stability, by adding an exception to read as follows: Exception: Buildings on each side equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1.

(g) Amend Section 707.5.1, Supporting construction, by adding the following exceptions:

5. For shafts of 4 stories or less, containing sheet metal ductwork and noncombustible piping, the supporting floor is permitted

to be of non-rated construction.

6. In buildings of 4 stories or less, fire barrier walls supported by floor construction that is otherwise not required to be rated where the wall is supported by at least 2.5 inches of lightweight concrete, or 2.7 inches of sand-lightweight concrete.

(h) Amend Section 707.6, Openings as follows:

(a) Delete "1022.3" and insert "1022.4".

(b) In the exception, item 5, delete "1022.2.1" and insert "1022.3.1".

(i) Amend Section 709.4, Continuity, in the exception, item 2, delete "3007.4.2" and insert "3007.7.2". Delete "3008.11.2" and insert "3008.7.2".

(j) Delete Section 711.9, Smoke barrier, without substitution.

(k) Amend Section 714.5, Penetrations in smoke barriers, by deleting the text and inserting to read as follows: Penetrations in smoke barriers shall be protected by an approved through penetration firestop system installed and tested in accordance with the requirements of UL 1479.

(l) Amend Section 716.2, Fire-resistance-rated glazing, by deleting "703.5" and inserting "703.6".

(m) Delete Section 717.5.1.1, Horizontal exits, without substitution.

(n) Amend Section 717.5.2, Fire barriers as follows:

(a) Delete "1002.4" and insert "1022.5".

(b) In Exception 3, insert in the last sentence after "terminals" ", except that flexible air connectors not exceeding five foot in length are permitted, provided no outlet or inlet terminals are provided for a distance on each side of the wall(s) equal to at least four duct-equivalent diameters".

(o) Delete Section 717.5.2.1, Horizontal exits, without substitution.

(p) Amend Section 717.5.3, Shaft enclosures, as follows:

(1) In the third line, delete "and smoke".

(2) Delete exceptions 2, 3, and 4.

(3) Renumber exception 5 to read exception 2 and delete, "and combination fire/smoke dampers".

(q) Amend Section 717.5.4, Fire partitions, Exception 4, by adding in the last sentence after "terminals" ", except that flexible air connectors not exceeding five foot in length are permitted, provided no outlet or inlet terminals are provided for a distance on each side of the wall(s) equal to at least four duct-equivalent diameters".

(r) Amend Section 717.5.5, Smoke barriers, by deleting the text of the exception and inserting to read as follows: Smoke dampers shall not be required in duct penetrations of smoke barriers in fully ducted heating, ventilating, and air conditioning systems in smoke compartments protected throughout with quick response sprinklers.

(s) Amend Section 718.2.4, Stairways, by deleting the text and inserting to read as follows: Fire blocking shall be provided in concealed spaces between stair stringers at the top and bottom of the run and between studs along and in line with the run of stairs, if the walls under the stairs are unfinished, and shall comply with the requirements of Section 1009.9.3.

(t) Amend Section 722.3.4, Concrete masonry lintels, by deleting "by approved alternate methods" and inserting "as approved by the building official".

(u) Amend Section 722.3.5, Concrete masonry columns, by deleting "by approved alternate methods" and inserting "as approved by the building official". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-8; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-9 Chapter 8; interior finishes

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. 9. Chapter 8 is amended as follows: (a) Delete Section 801.5, Applicability, without substitution.

(b) Amend footnote "b" under Table 803.9, Interior wall and ceiling finish requirements by occupancy, by deleting "I-2" and inserting "I-3".

(c) Amend Section 806, Decorative materials and trim, by deleting the text in its entirety, and inserting "See the Indiana Fire Code (675 IAC 22)". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-9; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-10 Chapter 9; fire protection systems

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-11-18; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. Chapter 9 is amended as follows: (a) Amend Section 901.3, Modifications, by deleting the text and inserting to read as follows: No person shall remove or modify any fire protection system installed or maintained in accordance with the rules of the commission without notifying the servicing fire department prior to receiving approval from the building official.

(b) Amend Section 901.5, Acceptance tests, by deleting the text and inserting to read as follows: 901.5 Acceptance tests. Fire protection systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner's representative. When requested by the building official, such tests shall be conducted in the building official's presence. Prior to conducting such tests, the local building official shall be given at least 48-hours notice. It shall be unlawful to occupy portions of a structure until the required fire protection systems within that portion of the structure have been completed, successfully tested, and fully operational with appropriate contractor's material and test certificates filled out in full and provided to the building official.

(c) Amend Section 903.2.1.3, Group A-3, as follows:

(1) Add Exception 1 to read as follows: Fire areas not exceeding 7,000 square feet (650.3 m2) used primarily for worship with or without fixed seating and not used for exhibition or display, and the fire area is not located on a floor level other than that of exit discharge.

(2) Add Exception 2 to read as follows: The fire area is located on a floor other than the level of exit discharge. For purposes of determining the level of exit discharge, mezzanines of 2,000 s.f. or less in area in compliance with Section 505 shall be considered a portion of the story below if the total floor area and occupant load, including the mezzanine, are compliant with both conditions (1) and (2).

(d) Delete Section 903.2.2, Ambulatory care facilities, without substitution.

(e) Amend Section 903.2.6, Group I, by adding Exception 5 to read as follows: 5. In jails, prisons, and reformatories, the piping system may be dry, provided a manually operated valve is installed at a continuously monitored location such that opening the valve will cause the system to be charged. The valve may be located in a locked cabinet or enclosure provided the activation of a sprinkler unlocks the cabinet or enclosure.

(f) Amend Section 903.2.7, Group M, item number 4, by deleting the text and inserting to read as follows: A Group M fire area that contains more than 5,000 square feet (464 m^2) of floor area used predominately for the display and sale of upholstered furniture or mattresses.

(g) Amend Section 903.2.10, Group S-2 enclosed parking garages, by deleting "406.4" and inserting "406.6".

(h) Amend Section 903.2.8 to add an exception as follows: Exception: Where a 13D sprinkler system is provided for an R-3 occupancy under Section 903.2.8.1, and an automatic sprinkler system is not otherwise required in other portions of the building, only the R3 occupancy is required to be provided with an automatic sprinkler system.

(i) Amend Section 903.2.11.1.3, Basements, by deleting the text and inserting to read as follows: Where any portion of a basement is located more than 75 feet (22,800 mm) from openings required by Section 903.2.11.1, the basement shall be equipped throughout with an approved automatic sprinkler system.

(j) Amend Section 903.3.1.1, NFPA 13 sprinkler systems, by deleting the text and inserting 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 (675 IAC 28-1-5) except as provided in Section 903.3.1.1.1.

(k) Amend Section 903.3.1.1.1, Exempt locations as follows:

(1) In item 2, delete ", when approved by the fire code official" without substitution.

(2) In item 4, delete the text and insert to read as follows: Elevator equipment rooms and hoistways used exclusively for the operation of elevators and that are separated from the remainder of the building by two (2) hour fire-resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator, and vents required by Section 3004 of this code need not be fire-rated.

(l) Amend Section 903.3.1.2, NFPA 13R sprinkler systems, by deleting "o" after "Group".

(m) Amend Section 903.3.5.1.1, Limited area sprinkler systems, in the exception, by deleting "An approved" and inserting "A listed".

(n) Amend Section 903.3.6, Hose threads, by deleting the text and inserting to read as follows: Fire hose threads used in

connection with automatic sprinkler systems shall be compatible with the equipment used by the servicing fire department.

(o) Add a new Section 903.3.7 after Section 903.3.6, to read as follows: 903.3.7 Fire department connections. When there is a local ordinance specifying the location of the fire department connections, they shall be placed accordingly. When no ordinance is present, the servicing fire department shall be consulted prior to placement.

(p) Amend Section 903.4.2, Alarms, by deleting the text and inserting to read as follows:

Listed audible and visible devices shall be connected to every automatic sprinkler system. Such sprinkler water flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building facing the public street, road, or highway that is in accordance with its legal address.

Where a building is not directly facing, or is in excess of two hundred fifty (250) feet from the public street, road, or highway, the servicing fire department shall be consulted in determining a location prior to the installation of the exterior audible and visible device.

Exception: Sprinkler systems that are monitored by an approved supervisory station are not required to have the listed audible and visible device located on the exterior wall facing the public street, road, or highway.

(q) Amend Section 904.2, Where required, by deleting "fire" before "code" and inserting "in accordance with the rules of the Commission" after "official".

(r) Amend Section 904.11, Commercial cooking systems, by deleting the last sentence and inserting the following: Automatic fire-extinguishing systems shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18).

(s) Amend Section 904.11.1, Manual system operation, Section 904.11.2, System interconnection, Section 904.11.3, Carbon dioxide systems, Section 904.11.3.1, Ventilation system, Section 904.11.4, Special provisions for automatic sprinkler systems, and Section 904.11.4.1, Listed sprinklers, by deleting the text and inserting: "See the Indiana Mechanical Code (675 IAC 18)".

(t) Amend Section 905.1, General, by deleting the text and inserting to read as follows: Standpipe systems shall be provided in new buildings and structures in accordance with this section. Fire hose threads used in connection with standpipe systems shall be listed and shall be compatible with the servicing fire department's hose threads. The location of the fire department's hose connections shall be in accordance with Section 912.2. In buildings used for high-piled combustible storage, fire protection shall be in accordance with the Indiana Fire Code.

(u) Add a new Section 905.2.1 after Section 905.2 to read as follows: 905.2.1 Fire department connections. The location of fire department connections shall be in accordance with Section 903.3.7.

(v) Amend Section 905.3.1, Height, by deleting the text in Exception 3 and inserting to read as follows: Class I manual dry standpipes are allowed in open parking garages that are subject to freezing temperatures. Standpipes shall be provided in accordance with Section 905.4, and hose connections shall meet the spacing requirements for Class II standpipes in accordance with Section 905.5.

(w) Add a new Section 905.3.1.1 after Section 905.3.1 to read as follows: 905.3.1.1 Building Area. In buildings exceeding 10,000 square feet in area per story, Class 1 automatic wet or manual wet standpipes shall be provided where any portion of the building's interior is more than 200 feet of travel, vertically or horizontally, from the nearest point of fire department access.

Exceptions:

1. Buildings equipped throughout with automatic sprinkler systems installed in accordance with Section 903.3.1.1.
2. Group A-4, A-5, F-2, R-2, S-2, or U occupancies.
3. Automatic dry and semiautomatic dry standpipes are allowed as provided for in NFPA 14.

(x) Amend Section 905.3.4.1, Hose and cabinet, by deleting the text and inserting to read as follows: Proper cap and chain shall be provided for the hose connection valve assembly. Hose connection valve assembly shall comply with the provisions in Section 903.3.6.

(y) Amend Section 905.4, Location of Class I standpipe hose connections, as follows:

(1) Amend item 1 by deleting the text and inserting to read as follows: 1. In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at an intermediate floor level landing between floors. Where there are multiple intermediate floor landings between floors, hose connections shall be located at the landing closest to being midway between floors. If intermediate floor level landings are not provided in the required stairway, the hose connection shall be located on the floor-level landing.

(2) Amend item 5 by deleting the text and inserting to read as follows: 5. Other than high rise buildings, where the roof has a slope less than four (4) units vertical in twelve (12) units horizontal, one (1) standpipe shall be provided with a hose

connection located either on the roof or at the highest landing of stairways with stair access to the roof. Two (2) hose connections shall be provided for testing. The control valve for the standpipes extending on to the roof may be located in the stair enclosures.

(3) Amend item 6 by deleting the text and inserting to read as follows: 6. Where the most remote portion of a nonsprinklered floor or story exceeds one hundred fifty (150) feet (forty-five (45) meters) of travel distance from a required exit or the most remote portion of a sprinklered floor or story exceeds two hundred (200) feet (sixty-one (61) meters) of travel distance from a required exit, additional hose connections shall be provided in approved locations.

(z) Amend Section 906.1, Where required, by deleting the text and inserting to read as follows: Portable fire extinguishers shall be installed where required by Table 906.1 and where required by local ordinance.

(aa) Amend Table 906.1, Additional required portable fire extinguishers in the international fire code, by deleting "2804.2" and inserting "2804.3".

(bb) Amend Section 907.1.1 Construction documents, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6).

(cc) Amend Section 907.1.2, Fire alarm shop drawings, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6).

(dd) Amend Section 907.2.1, Group A, by amending the second sentence to read as follows: "Group A occupancies not separated from one by at least 1-hour rated fire barriers shall be considered as a single occupancy for the purposes of applying this section.".

(ee) Amend Section 907.2.1.1, System initiation in Group A occupancies with an occupant load of 1,000 or more, by renumbering the current exception as Exception 1, and adding the following exceptions:

2. Stadiums, arenas, and grandstands are permitted to use a public address system that complies with the following:

(2.1) Occupant notification, either live or recorded, shall be initiated at a constantly attended receiving station by personnel trained to respond to an emergency.

(2.2) An approved secondary power supply shall be provided.

(2.3) The system shall be audible above the expected ambient noise level.

(2.4) Emergency announcements shall take precedence over any other use.

3. Visible signals for stadiums, arenas, and grandstands shall not be required in the assembly seating area, or the floor area used for the contest, performance, or entertainment, where the occupant load exceeds 1000, and an approved, alternative visible means of occupant notification is provided.

(ff) Delete Section 907.2.2.1, Ambulatory care facilities, without substitution.

(gg) Amend Section 907.2.3 Group E, by deleting the text and inserting to read as follows:

A manual fire alarm system shall be installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

Exceptions:

1. Group E occupancies with an occupant load of less than 50.

2. Manual fire alarm boxes are not required in Group E occupancies where all the following apply:

2.1. Interior corridors are protected by smoke detectors with alarm verification.

2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat detectors or other approved detection devices.

2.3. Shops and laboratories involving dusts or vapors are protected by heat detectors or other listed detection.

2.4. Off-premises monitoring is provided.

2.5. The capability to activate the evacuation signal from a central point is provided.

2.6. In buildings where normally occupied spaces are provided with a two-way communication system between such spaces and a constantly attended receiving station from where a general evacuation alarm can be sounded.

3. Manual fire alarm boxes shall not be required in Group E occupancies where the building is equipped throughout with an approved automatic sprinkler system, the notification appliances will activate on sprinkler water flow and manual activation is provided from a normally occupied location.

(hh) Amend Section 907.2.6.2, Group I-2 as follows:

(1) Delete "907.5" and insert "907.4".

(2) Amend Exception 1 by inserting, after "provider", the following: 's/nurse's.

(ii) Delete Section 907.2.9.3, Group R-2 college and university buildings, without substitution.

(jj) Add a new Section 907.2.11.1.1 after Section 907.2.11.1 to read as follows: 907.2.11.1.1 R1 Hotels and Motels. See IC 22-11-18 and Indiana Fire Code Section 906.2.11.1.1.

(kk) Amend Section 907.2.11.2, Groups R-2, R-3, R-4, and I-1, by deleting "and maintained".

(ll) Amend Section 907.2.14, Atriums connecting more than two stories, by deleting the last sentence without substitution.

(mm) Amend Section 907.4.2.5, Protective covers, by deleting the text and inserting to read as follows: Listed manual fire alarm box protective covers may be installed when approved.

(nn) Delete Section 907.5.1, Presignal feature, without substitution.

(oo) Amend Section 907.5.2.2.4, Emergency voice/alarm communication captions, by deleting "1108.2.7.2" and inserting "1108.2.7.3".

(pp) Amend Section 907.5.2.3, Visible alarms, Exception 2, by deleting "Section 1002.1" and inserting "Chapter 2".

(qq) Amend Section 907.6.3.1, Zoning indicator panel, by deleting the text and inserting to read as follows: A zoning indicator panel and associated controls shall be provided in a location the servicing fire department will use as their main entrance point to the building. The panel shall be identifiable and accessible at all times. The visual zone indication shall lock in until the system is reset and shall not be canceled by the operation of an audible alarm-silencing switch.

(rr) Amend Section 907.6.5.1, Automatic telephone-dialing devices, by deleting the text and inserting to read as follows: Automatic telephone-dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the code official and the fire department.

(ss) Delete Section 907.7.2, Record of completion, without substitution.

(tt) Delete Section 907.7.3, Instructions, without substitution.

(uu) Delete Section 908.7 in its entirety without substitution.

(vv) Amend Section 909.2, General design requirements, by deleting the text and inserting to read as follows: Buildings, structures, or parts thereof required by this code to have a smoke control system or systems shall have such systems designed in accordance with the applicable requirements of Section 909 and the other applicable rules of the commission. Construction documents shall be as required by the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).

(ww) Amend Section 909.3, Special inspection and test requirements, by deleting the text and inserting to read as follows: For special inspections and testing, see the General Administrative Rules (675 IAC 12-6-6(c)(10)(C)).

(xx) Amend Section 909.10.2, Ducts, the third sentence, by deleting, "nationally accepted" and inserting "approved".

(yy) Amend Section 909.15, Control diagrams, by deleting the text and inserting to read as follows: Identical control diagrams showing all devices in the system and identifying their location and function shall be maintained current and kept on file with the servicing fire department and in the fire command center in an approved manner and format.

(zz) Amend Section 909.18.8 to delete the text and insert: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(C).

(aaa) Amend Section 909.19, System acceptance, by deleting the title and text and inserting to read as follows: Amend Section 909.19 to delete the title and text and insert the following: Acceptance test. Smoke removal systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner's representative. When requested by the servicing fire department or local code official or both, such tests shall be conducted in their presence. Prior to conducting such tests, the requesting official shall be given at least 48-hours notice. It shall be unlawful to occupy portions of the structure until the required smoke removal system within that portion of the structure has been completed, successfully tested, and is fully operational with appropriate reports and other documentation provided to the servicing fire department or local code official or both.

(bbb) Amend Section 909.20.6.3, Acceptance and testing, by deleting the title and text and inserting to read as follows: 909.20.6.3 Acceptance test. Mechanical ventilation systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner's representative. When requested by the building official, such tests shall be conducted in the presence of the building official. Prior to conducting such tests, the building official shall be given at least 48-hours notice. It shall be unlawful to occupy portions of the structure until the mechanical ventilation system within that portion of the structure has been completed, successfully tested, and is fully operational.

(ccc) Amend Section 910.3.2.2, Sprinklered buildings, by deleting the text and inserting to read as follows: Where installed in buildings provided with approved automatic sprinkler system, smoke and heat vents shall open by approved manual releases. The

servicing fire department shall be consulted in determining the location of such manual release prior to the installation of the smoke and heat vents.

(ddd) Amend Section 910.4, Mechanical smoke exhaust, by deleting the text and inserting to read as follows: In buildings protected throughout with an approved automatic sprinkler system, manually operated exhaust fans may be utilized for fire department mop-up operations. The exhaust rate shall be equal to one (1) cfm per square foot of floor area. The fans shall be wired ahead of the main building disconnect switch. Manual controls for the fans shall be provided individually for each fan unit. The servicing fire department shall be consulted in determining the location of the controls for the exhaust fans.

(eee) Amend Section 912.2, Location, by deleting the text in the last sentence and inserting to read as follows: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations, or the connections shall be placed as required by local ordinance.

(fff) Amend Section 912.2.2, Existing buildings, by deleting the text in the last sentence and inserting to read as follows: All such signs shall be approved by the code official.

(ggg) Amend Section 912.3, Access, by deleting "fire chief" in both places and inserting "code official".

(hhh) Amend Section 912.3.1 to delete the text and insert the following: Locking caps on fire department connections for new water-based fire protection systems shall be required where the servicing fire department, by local ordinance, has initiated such a program and carries appropriate key wrenches for removal.

(iii) Delete Section 914.2, Equipment room identification, without substitution.

(jjj) Delete Section 915, Emergency Responder Radio Coverage, without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-10; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014; errata filed Aug 7, 2014, 8:54 a.m.: 20140827-IR-675130339ACA)*

675 IAC 13-2.6-11 Chapter 10; means of egress

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-11-17-2.5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Chapter 10 is amended as follows: (a) Amend Section 1001.2, Minimum requirements, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4).

(b) Amend Section 1004.1.2, Areas without fixed seating, by deleting the exception without substitution.

(c) Amend Table 1004.1.2, Maximum Floor Area Allowances Per Occupant as follows:

(1) Insert a separate box for "Industrial areas" under the "function of Space" category and add "100 gross" in the "Occupant Load Factor" category.

(2) Insert "Institutional areas" above "Inpatient treatment areas" under the "Function of Space" category.

(3) In the column entitled "Function of Space", insert a separate box for "Gymnasium" above "Group H-5 Fabrication and manufacturing areas" and add the following three sub-categories under "Gymnasium":

Gymnasium floor used exclusively for sports activities
Gymnasium floor used for sports activities and other assembly use
Spectator seating areas

(4) In the column entitled "Occupant Load Factor", add the following factors for the three specified subcategories under "Gymnasium":

Gymnasium floor used exclusively for sports activities	50 gross[b]
Gymnasium floor used for sports activities and other assembly use	See Section 1004.4 for seating occupant load factor[c]
Spectator seating areas	See Section 1004.4[d]

(5) Add the following footnotes:

[b] Used for sporting activities only with no spectator seating or assembly use of the floor.

[c] Gymnasium floor shall be calculated at 7 s.f. net per person for assembly uses with chairs only, and 15 s.f net per person for assembly use limited to tables and chairs. For gymnasium floor areas used in multiple assembly configurations, a seating and fixed equipment diagram shall be submitted to the Code Official, or the occupant load shall be calculated at 7 s.f. net per person.

[d] Where spectator seating includes, portable, folding, or retractable systems, the occupant load shall be the greater of

the calculated number in all use configurations.

(d) Amend Section 1004.2, Increased occupant load, by deleting the text and inserting to read as follows: The occupant load permitted in any building, or portion thereof, is permitted to be increased from that number established for the occupancies in Table 1004.1.2, provided that all other requirements of the code are also met based on such modified number and the occupant load does not exceed one occupant per 7 square feet ($0.65m^2$) of occupiable floor space. For Assembly occupancies with an occupant load of 100 or more without fixed seating, an aisle, seating or fixed equipment diagram substantiating any increase in occupant load shall be submitted to the code official.

(e) Amend Section 1005.3.1, Stairways, by deleting, in the exception, "and an emergency voice/alarm communication system in accordance with Section 907.5.2.2", without substitution.

(f) Amend Section 1005.3.2, Other egress components, by deleting in the exception, "and an emergency voice/alarm communication system in accordance with Section 907.5.2.2", without substitution.

(g) Amend Section 1007.2, Continuity and components, by deleting "one or more" and inserting "at least one".

(h) Amend Section 1007.3, Stairways as follows:

(1) In the last sentence after "part" insert "of".

(2) Add exception 7 to read as follows: 7. Areas of refuge are not required in jails, prisons, or other I-3 occupancies.

(i) Amend Section 1007.5, Platform lifts, by deleting "1109.7" and inserting "1109.8".

(j) Amend Section 1008.1.8, Door arrangement, Exception 3, by deleting the text and inserting to read as follows: 3. Doors within individual dwelling units in Group R-2 and R-3 occupancies as applicable in Section 101.2.

(k) Amend Section 1008.1.9.3, Locks and latches, as follows:

(1) Delete Exception 2.3.

(2) Add Exception 6 to read as follows: 6. Licensed Health Care Facilities that comply with IC 22-11-17-2.5.

(l) Amend Section 1008.1.9.7, Delayed egress locks, by deleting the exception to item 4 without substitution.

(m) Amend Section 1008.1.9.11, Stairway doors, as follows:

(1) Amend Exception 3 by deleting "serving not more than four stories" without substitution.

(2) Add Exception 6 to read as follows: Stair doors in buildings up to seven (7) stories, not classified as a high-rise building that are sprinklered per Section 903.3.1.1 or 903.3.1.2 are permitted to lock opposite the egress side.

(n) Add a new Section 1009.0.1, before Section 1009.1 to read as follows: 1009.0.1 Stairways. Stairs and ladders used to access areas used exclusively for mechanical equipment are exempt from this section.

(o) Amend Section 1009.7.2, Riser height and tread depth, as follows:

(1) Amend Exception 5 by deleting the text and inserting to read as follows: 5. Within dwelling units in occupancies in Group R-3, as applicable in Section 101.2, and within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, the maximum riser height shall be eight and one-fourth (8 1/4) inches (two hundred ten (210) mm), the minimum tread depth shall be nine (9) inches (two hundred twenty-nine (229) mm). A nosing not less than seventy-five hundredths (0.75) inch (nineteen and one-tenth (19.1) mm) but not more than one and twenty-five hundredths (1.25) inches (thirty-two (32) mm) shall be provided on stairways with solid risers where the tread is less than eleven (11) inches. In occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be seven and seventy-five hundredths (7.75) inches (one hundred ninety-seven (197) mm) and the minimum tread depth shall be ten (10) inches (two hundred fifty-four (254) mm) and the nosing requirements shall remain the same as above.

(2) Amend Exception 6 by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12).

(3) Add Exception 8 to read as follows: Stairs or ladders accessing an area with a maximum of 4 occupants on the roof of a press box are exempt from the requirements of this section. A sign shall be posted indicating the maximum occupant load.

(p) Amend Section 1009.7.3, Winder treads, by adding a second sentence to read as follows: The minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be at least six inches (152 mm).

(q) Amend Section 1009.9.4, Enclosures under exterior stairways, in the last sentence, by deleting "exterior" and inserting "exit".

(r) Delete Section 1011.2, Floor-level exit signs in Group R-1, without substitution.

(s) Amend Section 1013.4, Opening limitations, Exception 3, by deleting the text and inserting to read as follows: 3. At elevated walking surfaces for access to and use of electrical, mechanical, or plumbing systems, fire department access doors required by the Indiana Fire Code (675 IAC 22) that are not a required exit, or equipment, guards shall have balusters or be of solid materials

such that a sphere with a diameter of 21 inches (533 mm) cannot pass through any opening.

(t) Amend Table 1014.3, Common Path of Egress Travel, by inserting footnote "b" after "75[a]" in the "All others line" under the "With sprinkler system (feet)" column.

(u) Amend Table 1016.2, Exit Access Travel Distance, by deleting footnote "c" and inserting footnote "b" in the "I-1" line under "With sprinkler system (feet)" column.

(v) Add a new Section 1016.2.2, after Section 1016.2.1, to read as follows: 1016.2.2 ESFR Sprinklers. Buildings or areas protected by ESFR sprinkler system are permitted to have 400 feet exit travel distance.

(w) Amend Section 1018.1, Construction, Exception 2, after "dwelling", by inserting "unit" and, after "Group R", by inserting "having an occupant load of 16 or less".

(x) Delete Section 1024, Luminous egress path markings, in its entirety without substitution.

(y) Amend Section 1025.2, Separation, in the last sentence of the first paragraph, by deleting "with no unprotected openings" without substitution.

(z) Amend Section 1028.12, Seat stability, as follows:

(1) Delete the text of Exception 1 and insert to read as follows: In places of assembly or portions thereof without ramped or tiered floors for seating, portable and folding type seats of any quantity, or permanent seats of 200 or fewer, shall not be required to be fastened to the floor.

(2) Amend Exception 2, by inserting "with seating at tables and" after "thereof".

(3) Delete the text of Exception 3 and insert to read as follows: "In places of assembly or portions thereof with ramped or tiered floors for seating, and where the seats include more than 200 permanent, portable or folding chairs in any combination on each individual ramped or tiered area, all seats on the ramped or tiered area shall be fastened together in groups of not fewer than three (3) or all seats shall be fastened to the floor".

(4) Delete the last sentence of Exception 4 without substitution.

(aa) Add a new Section 1029.6, after Section 1029.5.2 to read as follows: Section 1029.6 Exterior rescue access. Exterior access for fire department use in performing rescue operations when emergency escape and rescue openings are required shall comply with Sections 1029.6.1 and 1029.6.2.

(bb) Add a new Section 1029.6.1, after 1029.6 to read as follows: Section 1029.6.1 Exterior grade slope. The exterior grade adjacent to emergency escape and rescue openings shall not have a slope of more than two (2) inches in twelve (12) inches. The grade requirement shall extend from the structure to a point that will allow the placement of a fire department ground ladder to the sill of the emergency escape and rescue opening when such ladder is placed at a seventy-five (75) degree angle maximum from the horizontal plane. In no circumstances shall the required grade extend less than forty-four (44) inches from the structure.

(cc) Add a new Section 1029.6.2, after 1029.6.1 to read as follows: Section 1029.6.2 Exterior grade obstructions. No obstruction such as wire, trees, shrubs, signs, cornices, overhangs, awnings, canopies, parking, or other features shall be permitted.

Exception: Canopies and similar types of building features may be used as a portion of the rescue access system if the slope of the canopy or similar types of building features does not exceed two (2) inches in twelve (12) inches and access as required in Section 1029.1 is provided from the ground to the top edge of the canopy.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-11; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-12 Chapter 11; accessibility

Authority: IC 22-13-2-13

Affected: IC 5-16-9; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. Chapter 11 is amended as follows: (a) Add a new Section 1101.1.1, after Section 1101.1 to read as follows: Section 1101.1.1. As a building rule, this chapter is necessarily limited statutorily to the scope of the rulemaking authority of the Fire Prevention and Building Safety Commission. As such, it is not comprehensive with respect to the Americans with Disabilities Act or Fair Housing Amendment, and what is contained in Chapter 11 does not necessarily constitute total compliance with federal law.

(b) Amend Section 1103.2.1, Specific requirements, by deleting "buildings and facilities" and inserting "Class I structures".

(c) Delete Section 1103.2.2, Existing buildings, without substitution.

(d) Amend Section 1103.2.3, Employee work areas, by deleting "907.9.1.2" and inserting "907.5.2.3.2".

(e) Amend Section 1104.4, Multilevel buildings and facilities, by deleting the text of Exception 1 and inserting to read as

follows: Exception 1. Elevators are not required in facilities that are less than three (3) stories or that have less than three thousand (3,000) square feet per story unless the building is a shopping center, a shopping mall, or a professional office of a health care provider. The elevator exemption set forth in this paragraph does not obviate or limit in any way the obligation to comply with the other accessibility requirements established in Section 1104. For example, floors above or below the accessible ground floor must meet the requirements of this section, except for elevator service. If toilet or bathing facilities are provided on a level not served by an elevator, then toilet or bathing facilities must be provided on the accessible ground floor. In new construction, if a building or facility is eligible for this exemption but a full passenger elevator is nonetheless planned, that elevator shall meet the requirements of the Indiana Elevator Safety Code (675 IAC 21) and shall serve each level in the building. A full passenger elevator that provides service from a garage to only one (1) level of a building or facility is not required to serve other levels.

(f) Amend Section 1106.1, Required, by deleting the text and inserting to read as follows: Where public or common use parking is provided, accessible parking spaces shall be provided in compliance with IC 5-16-9 and this section. Where more than one (1) parking facility is provided on a site, the number of parking spaces required to be accessible shall be calculated separately for each parking facility.

(g) Delete Table 1106.1, Accessible Parking Spaces, without substitution.

(h) Delete Sections 1106.2, 1106.3, 1106.4, and 1106.5 without substitution.

(i) Amend Section 1106.6, Location, to read Section 1106.2, Location.

(j) Amend Section 1106.7, Passenger loading zones, to read Section 1106.3, Passenger loading zones.

(k) Amend Section 1106.7.1, Continuous loading zones, to read Section 1106.3.1, Continuous loading zones.

(l) Amend Section 1106.7.2, Medical facilities, to read Section 1106.3.2, Medical facilities.

(m) Amend Section 1106.7.3, Valet parking, to read Section 1106.3.3, Valet parking.

(n) Amend Section 1106.7.4, Mechanical access parking garages, to read Section 1106.3.4, Mechanical access parking garages.

(o) Amend Section 1107.6.2.1 to delete the text and insert to read as follows: Type B units shall be provided in apartment houses, monasteries, and convents in accordance with Section 1107.6.2.1.2. Type A units, in accordance with Section 1107.6.2.1.1, may be provided in lieu of Type B units.

(p) Amend Section 1109.5, Drinking fountains, by deleting the text and inserting to read as follows: Where drinking fountains or water coolers are provided on an exterior site, on a floor, or within a secured area, the drinking fountains shall be provided in accordance with ANSI 117.1-2009 (675 IAC 13-2.6-12(c) and Sections 1109.5.1 and 1109.5.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-12; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-13 Adoption by reference; A117.1

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 5-16-9; IC 10-19-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. (a) That certain document being titled A117.1 Accessible and Usable Buildings and Facilities, 2009 Edition, first printing, as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, and American National Standards Institute, Inc., 25 West 43rd Street – Fourth Floor, New York, New York 10036, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule and incorporated documents therein are available to review and as reference at the Department of Homeland Security, Code Services Section, Indiana Government Center South, 302 West Washington Street, Room W246, Indianapolis, Indiana 46204.

(c) Chapter 1 is amended as follows:

(1) Amend Section 101, Purpose, as follows:

(A) Add "Class 1 structures," before "sites".

(B) Delete the second paragraph without substitution.

(2) Amend Section 101.1, Applicability, by adding "Class 1 structures," after "Applicability".

(3) Amend Section 103, Compliance alternatives, by deleting "is approved by the administrative authority adopting this standard" and inserting "meets the General Administrative Rules (675 IAC 12-6-11)".

(4) Amend Section 105.2.2, National fire alarm code, by deleting the text and inserting to read as follows: NFPA 72 (675 IAC 28).

(5) Amend Section 105.2.5, Safety code for elevators and escalators, by deleting the text and inserting to read as follows:

ASME/ANSI A17.1 (675 IAC 21).

(6) Amend Section 105.2.6, Safety standard for platform lifts and stairway chairlifts, by deleting the text and inserting to read as follows: ASME/ANSI A18.1 (675 IAC 21).

(7) Amend Section 106.5, Defined terms, as follows:

(A) Amend the definition of ADMINISTRATIVE AUTHORITY, by deleting the text and inserting to read as follows: ADMINISTRATIVE AUTHORITY means the division or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission.

(B) Amend the definition of CIRCULATION PATH by adding, after "pedestrians", "including, but not limited to, walks, hallways, courtyards, stairs, and landings".

(C) Add the definition of DIVISION to read as follows: DIVISION means the Division of Fire and Building Safety of the Indiana Department of Homeland Security created pursuant to IC 10-19-2.

(D) Amend the definition of FACILITY by deleting the text and inserting to read as follows: FACILITY means all or any portion of Class 1 structures, site improvements, elements, and pedestrian or vehicular routes located on a site, where the Class I structure is located.

(d) Chapter 2 is amended as follows:

(1) Amend Section 201, General, by deleting the text in the third sentence and inserting to read as follows: These scoping provisions shall address the application of this standard to: each Class 1 structure; new construction, alterations, and temporary facilities; specific site and building elements; and to multiple elements or spaces provided within a site or building.

(2) Amend Section 203, Administration, by deleting "and approval process to ensure compliance with this standard" and inserting "to aid in the compliance with this standard".

(e) Chapter 5 is amended as follows: Amend Section 502, Parking spaces, by deleting the text and inserting "Parking spaces shall comply with IC 5-16-9".

(f) Chapter 6 is amended as follows:

(1) Amend Figure 604.10, Ambulatory accessible compartment, by deleting the "36/915" dimension and inserting the "35-37/889-940" dimension.

(2) Amend Section 604.10.2, Size, by deleting the text and inserting to read as follows: The minimum area of an ambulatory accessible compartment shall be 60 inches (1525 mm) minimum in depth and 35-37 inches (889-940 mm) in width.

(3) Amend Section 605.2, Height and depth, by deleting "shall be of the stall type or" without substitution.

(g) Chapter 10 is amended as follows: Amend Section 1005, by deleting the text and inserting to read as follows: See 675 IAC 27.

(h) Delete Chapter 11, Recreational Facilities, in its entirety without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-13; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-14 Chapter 12; interior environment

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. 14. Chapter 12 is amended as follows: (a) Amend Section 1201.1, Scope, by deleting the text and inserting to read as follows: The provisions of this chapter shall govern ventilation, temperature control, lighting, yards and courts, room dimensions, and surrounding materials associated with the interior spaces of buildings.

(b) Amend Section 1203.1, General, as follows:

(1) In the third line after "with", insert "Section 403 of".

(2) Delete the second paragraph in its entirety without substitution.

(c) Amend Section 1203.2, Attic Spaces, by deleting the text in exception 3 and inserting to read as follows: 3. Ventilation is not required where compliance with the Indiana Energy Conservation Code (675 IAC 19) is achieved by insulating entirely above the roof deck.

(d) Amend Section 1203.3.2, Exceptions, as follows:

(1) Amend Exception 1 by deleting "Where warranted by climatic conditions" without substitution.

(2) Delete Exception 5 without substitution.

(e) Amend Section 1204.1, Equipment and systems, by adding after "day", "based on the exterior design condition as stated

in the Indiana Energy Conservation Code (675 IAC 19)".

(f) Delete Section 1207, Sound transmission, in its entirety without substitution.

(g) Amend Section 1208.2, Minimum ceiling heights, by deleting Exception 1 without substitution.

(h) Amend Section 1209.1, Crawl spaces, by deleting "18 inches by 24 inches (457 mm by 610 mm)" and inserting "sixteen (16) inches by thirty (30) inches (406) mm by (672) mm)".

(i) Amend Section 1209.2, Attic spaces, by deleting the text and inserting to read as follows: An opening not less than twenty (20) inches by forty (40) inches (five hundred eight (508) mm by one thousand sixteen (1,016) mm) shall be provided to any attic area having a clear height of over thirty (30) inches (seven hundred sixty-two (762) mm). Thirty (30) inches (seven hundred sixty-two (762) mm) minimum clear headroom in the attic space shall be provided at or above the access opening. When the access opening penetrates fire-resistive construction, the attic access opening closure shall provide the fire-resistive construction as required for the fire-resistive construction that is penetrated for the opening, and may be manufactured or field assembled, and shall be tight fitting.

Exceptions:

1. Access to unusable attic space is not required where compliance with the Indiana Energy Conservation Code is achieved by insulating entirely above the roof deck and the building is Type I or Type II construction.

2. Access is not required to unusable attic space within dwelling units where the roof has a slope of less than 1:12 and compliance with the Indiana Energy Conservation Code is achieved by insulating entirely above the roof deck.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-14; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-15 Chapter 13; energy efficiency

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. 15. Chapter 13 is amended as follows: Amend Chapter 13, Energy efficiency, by deleting the text and inserting to read as follows: See the Indiana Energy Conservation Code (675 IAC 19). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-15; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-16 Chapter 14; exterior walls

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. 16. Chapter 14 is amended as follows: (a) Amend Section 1403.5, Vertical and lateral flame propagation, by adding an exception to read as follows: Exception: Buildings with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

(b) Amend Section 1405.3, Vapor retarders, by deleting in the first paragraph, "Chapter 3 of the International Energy Conservation Code" and inserting "the Indiana Energy Conservation Code".

(c) Amend Section 1406.3, Balconies and similar projections as follows:

(1) Insert after "floor construction", "or Section 711.3 for floors separating dwelling units".

(2) Amend Exception 3, by inserting after "Type V construction", "unless projecting from floor/ceiling assemblies separating dwelling units" and, after "is", by inserting "provided throughout the building and".

(d) Amend Section 1407.10.4, Full-scale tests, by adding an exception to read as follows: Exception: Buildings with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

(e) Delete Section 1408.6, Special inspections, without substitution.

(f) Amend Section 1409.10.4, Full-scale tests, by adding an exception to read as follows: Exception: Buildings with automatic sprinkler systems installed in accordance with Section 903.3.1.1 or 903.3.1.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-16; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-17 Chapter 15; roof assemblies and rooftop structures

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. 17. Chapter 15 is amended as follows: (a) Amend Section 1503.4.1, Secondary (emergency overflow) drains or scuppers by deleting in the second sentence, "leaders, and conductors".

(b) Amend Table 1505.1, Minimum Roof Covering Classification for Types of Construction, by deleting all references to footnote a without substitution.

(c) Amend Table 1507.4.3(1), Metal Roof Coverings, at the bottom of the table, delete "0.0026" and insert "0.305".

(d) Insert Table 1507.9.8, Wood Shake Weather Exposure and Roof Slope to read as follows:

ROOFING MATERIAL	LENGTH (inches)	GRADE	EXPOSURE (inches) 4:12 PITCH OR STEEPER
Shakes of naturally	8	No. 1	7.5
durable wood	24	No. 1	10[a]
Preservative-treated taper sawn shakes of Southern yellow pine	18	No. 1	7.5
	24	No. 1	10
	18	No. 2	5.5
	24	No. 2	7.5
Taper sawn shakes of naturally durable wood	18	No. 1	7.5
	24	No. 1	10
	18	No. 2	5.5
	24	No. 2	7.5
For SI: 1 inch = 25.4 mm.			
a. For 24-inch by 0.375-inch handsplit shakes, the maximum exposure is 7.5 inches.			

(e) Amend Section 1509.6.2, Types I, II, III and IV construction, by adding an exception to read as follows: Exception: Buildings with automatic sprinkler systems installed in accordance with Section 903.3.1.1 or 903.3.1.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-17; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-18 Chapter 16; structural design

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. 18. Chapter 16 is amended as follows: (a) Amend Section 1603, Construction documents, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6), Industrialized Building Systems (675 IAC 15), and local ordinance.

(b) Amend Table 1604.5, Risk Category of Buildings and Other Structures, in Risk Category III under "Nature of Occupancy", in the second item, delete "occupa" and insert "occupant".

(c) Amend Section 1604.6, In-situ load tests, by deleting the last sentence without substitution.

(d) Amend Section 1604.8.2, Structural walls, by deleting "1.4.4" and inserting "1.4.5".

(e) Amend Section 1606.1, General, by deleting "1602.1" and inserting "202".

(f) Amend TABLE 1607.1, MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS item 26, Roofs as follows:

(1) Delete the word "Where".

(2) Delete the word "are" after "members".

(3) Delete ", at" after "floor".

(4) Delete "s" in the word "single" and insert "S".

(5) Delete ": Over" after "roofs" and insert "over".

(6) Delete the text of footnote "g" and insert 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 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 occupiable roofs, see Section 1607.12.3.

(7) Delete the text of footnote "l" and insert to read as follows: l. Areas of occupiable roofs, other than roof gardens and assembly area, shall be designed to support the loads as required for the intended occupancy or use. The registered design professional, or owner if a registered design professional is not required by 675 IAC 12 or 675 IAC 15, shall certify in writing to the code official that the design provides the required support. Unoccupied landscaped areas of roofs shall be designed in accordance with Section 1607.12.3.1.

(g) Amend Section 1607.8.1, Handrails and guards, by deleting Exception 1 without substitution.

(h) Amend Section 1607.8.2, Grab bars, shower seats, and dressing room bench seats, by deleting "seat systems" and inserting "seats".

(i) Amend Section 1608.2, Ground snow loads, by deleting the text and inserting to read as follows: The ground snow loads to be used in determining the design snow loads for roofs shall be determined in accordance with ASCE 7 and Table 1608.2.

(j) Delete Table 1608.2, Ground Snow Loads, p_g, for Alaskan Location, without substitution.

(k) Delete Figure 1608.2, Ground Snow Loads, p_g, for the United States (psf), and insert to read as follows: Table 1608.2, Ground Snow Loads (p_g) and Minimum Foundation Depth by County

NO	COUNTY	SNOW (p_g) (PSF)[1]	FOUNDATION[2] (inches)
1	Adams	20	36
2	Allen	20	36
3	Bartholomew	20	24
4	Benton	20	36
5	Blackford	20	30
6	Boone	20	30
7	Brown	20	24
8	Carroll	20	36
9	Cass	20	36
10	Clark	20	24
11	Clay	20	24
12	Clinton	20	30
13	Crawford	20	24
14	Daviess	20	24
15	Dearborn	20	24
16	Decatur	20	24
17	Dekalb	30	36
18	Delaware	20	30
19	Dubois	20	24
20	Elkhart	30	36
21	Fayette	20	30
22	Floyd	20	24
23	Fountain	20	24
24	Franklin	20	24
25	Fulton	30	36
26	Gibson	20	24
27	Grant	20	30
28	Greene	20	24
29	Hamilton	20	30
30	Hancock	20	30
31	Harrison	20	24
32	Hendricks	20	30
33	Henry	20	30
34	Howard	20	30
35	Huntington	20	36
36	Jackson	20	24

37	Jasper	30	36
38	Jay	20	30
39	Jefferson	20	24
40	Jennings	20	24
41	Johnson	20	30
42	Knox	20	24
43	Kosciusko	30	36
44	LaGrange	30	36
45	Lake	30*	36
46	LaPorte	30*	36
47	Lawrence	20	24
48	Madison	20	30
49	Marion	20	30
50	Marshall	30	36
51	Martin	20	24
52	Miami	20	36
53	Monroe	20	24
54	Montgomery	20	30
55	Morgan	20	30
56	Newton	30	36
57	Noble	30	36
58	Ohio	20	24
59	Orange	20	24
60	Owen	20	24
61	Parke	20	30
62	Perry	20	24
63	Pike	20	24
64	Porter	30*	36
65	Posey	20	24
66	Pulaski	30	36
67	Putnam	20	30
68	Randolph	20	30
69	Ripley	20	24
70	Rush	20	30
71	St. Joseph	30*	36
72	Scott	20	24
73	Shelby	20	30
74	Spencer	20	24
75	Starke	30	36
76	Steuben	30	36
77	Sullivan	20	24
78	Switzerland	20	24
79	Tippecanoe	20	30
80	Tipton	20	30
81	Union	20	30
82	Vanderburgh	20	24
83	Vermillion	20	30
84	Vigo	20	24
85	Wabash	20	36
86	Warren	20	30

87	Warrick	20	24
88	Washington	20	24
89	Wayne	20	30
90	Wells	20	36
91	White	20	36
92	Whitley	20	36

1. Snow is minimum ground snow load (p_g) in pounds per square foot.
*Indicates those counties Lake, LaPorte, Porter, St. Joseph with extreme variation and shall require investigation by the design professional, or owner when a design professional is not required, to determine the actual minimum ground snow load at each site; however, the determined minimum snow load (p_g) shall be at least thirty (30) pounds per square foot. Ground snow load determination for such counties shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a two percent annual probability of being exceeded (50-year mean recurrence interval).
2. Foundation is the minimum foundation depth to bottom of footing from the top of the grade above the footing in inches.

(l) Amend Section 1609.1.2.1, Louvers, by deleting "54" and inserting "540".

(m) Amend Table 1609.6.2, Net Pressure Coefficients as follows:

(1) Amend item 3 under "Flat<Slope<6:12 (27°), Positive, 100 square feet or more, under "Partially enclosed", by deleting "10.72" and inserting "0.72".

(2) Amend item 4, by deleting "=" in the first line before "60 feet" and inserting "≤" and insert "ASCE 7" after "(Zone 4)". In the sixth line, delete "30.8-1" and insert "30.6-1".

(3) Amend item 5, by deleting "Zone 5" in the sixth line and inserting "Zone 4" and deleting "30.8-1" and inserting "30.6-1".

(n) Amend Section 1611.1, Design rain loads, by adding a sentence after "weather data" to read as follows: See the Indiana Plumbing Code (675 IAC 16) for other roof drainage requirements.

(o) Amend Section 1611.3, Controlled drainage, by adding a second paragraph to read as follows: See the Indiana Plumbing Code (675 IAC 16) for other roof drainage requirements.

(p) Amend Section 1612.1, General, by deleting "in Section 1612.3" in the first sentence and inserting "by local ordinance".

(q) Delete Section 1612.3, Establishment of flood hazard areas, without substitution.

(r) Amend Section 1612.3.1, Design flood elevations, by deleting "in Section 1612.3" in the first sentence and inserting "by local ordinance".

(s) Delete the figures 1613.3.1(1) through 1613.3.1(6) without substitution.

(t) Amend Section 1613.3.4, Design spectral response acceleration parameters, by adding an exception to read as follows: Exception: For other than H and E occupancies, the maximum values of S_{DS} and S_{D1} need not exceed the values in Table 1613.3.4.

(u) Add TABLE 1613.3.4 MAXIMUM VALUES FOR S_{DS} AND S_{D1} to read as follows:

Site Class	S_{DS}	S_{D1}
A	0.30	0.12
B	0.38	0.15
C	0.45	0.25
D	0.55	0.32
E	0.75	0.50
F	Note 1	Note 1
Note 1: Site-specific geotechnical investigation and dynamic site response analyses shall be performed to determine appropriate values.		

(v) Amend Section 1613.3.5, Determination of seismic design category as follows:

(1) Add an exception to read as follows: Exception: For other than H and E occupancies, the seismic design category need not exceed Seismic Design Category C for buildings and structures in Risk Category Groups I, II, and III for Class 1 buildings and structures.

(2) Delete "1613.5.5(2)" and insert "1613.3.5(2)".

(3) In the last line after "structure," insert "T".

(w) Add a new Section 1613.5, Existing buildings, to read as follows:

(1) Additions, alterations, modifications, or changes of occupancy shall be in accordance with this section. Existing buildings shall be analyzed to the loads required by the code in effect at the time the building was constructed.

(2) Add a new subsection 1613.5.1 to read as follows: 1613.5.1 Additions to existing buildings. An addition that is structurally independent from an existing structure shall be designed and constructed with the seismic requirements for new structures. An addition that is not structurally independent from an existing structure shall be designed and constructed such that the entire structure conforms to the seismic-force-resistance requirements for new structures unless the following conditions are satisfied:

1. The addition conforms with the requirements for new structures,

2. The addition does not increase the seismic forces in any structural element of the existing structure by more than 10 percent cumulative since the original construction, unless the element has the capacity to resist the increased forces determined in accordance with generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software, and

3. Addition does not decrease the seismic resistance of any structural element of the existing structure by more than 10 percent cumulative since the original construction, unless the element has the capacity to resist the forces determined in accordance with generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software. If the building's seismic base shear capacity has been increased since the original construction, the percent change in base shear may be calculated relative to the increased value.

(x) Add a new subsection 1613.5.2 to read as follows: 1613.5.2 Alterations. Alterations are permitted to be made to any structure without requiring the structure to comply with Section 1613, provided the alterations conform to the requirements for a new structure. Alterations that increase the seismic force in any existing structural element by more than 10 percent cumulative since the original construction or decrease the design strength of any existing structural element to resist seismic forces by more than five percent cumulative since the original construction shall not be permitted unless the entire seismic-force-resisting system is determined to conform generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software for a new structure. If the building's seismic base shear capacity has been increased since the original construction, the percent change in base shear may be calculated relative to the increased value.

Exception: Alterations to existing structural elements or additions of new structural elements that are not required by generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software and are initiated for the purpose of increasing the strength or stiffness of the seismic-force-resisting system of an existing structure need not be designed for forces conforming to generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software, provided that an engineering analysis is submitted indicating the following:

1. The design strength of existing structural elements required to resist seismic forces is not reduced.

2. The seismic force to required existing structural elements is not increased beyond their design strength.

3. New structural elements are detailed and connected to the existing structural elements as required by Chapter 16.

4. New or relocated nonstructural elements are detailed and connected to existing or new structural elements as required by Chapter 16.

5. The alterations do not create a structural irregularity as defined by generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software or make an existing structural irregularity more severe.

6. The alterations do not result in the creation of an unsafe condition.

(y) Add a new subsection 1613.5.3 to read as follows: 1613.5.3 Change of occupancy. When a change of occupancy results in a structure being reclassified to a higher occupancy category, the structure shall conform to the seismic requirements for the higher occupancy category.

Exceptions: 1. Specific seismic detailing requirements of this code for a new structure shall not be required to be met where it can be shown by generally accepted engineering practices such as ASCE 7, using professional structural engineering computer software that the level of performance and seismic safety is equivalent to that of a new structure. Such analysis shall consider the regularity, overstrength, redundancy, and ductility of the structure within the context of the existing and retrofit (if any) detailing provided.

2. When a change of use results in a structure being reclassified from Risk Category I or II to Risk Category III and the structure is located in a seismic map area where SDS < 0.33, compliance with the seismic requirements of this code are not required.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-18; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-19 Chapter 17; special inspections and tests

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. 19. Chapter 17 is amended as follows: Amend Chapter 17, Special inspections and tests, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6-6(c)(10)(C)) and Industrial Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-19; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-20 Chapter 18; soils and foundations

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. 20. Chapter 18 is amended as follows: (a) Amend Section 1803.1, General, by deleting the last sentence without substitution.

(b) Amend Section 1803.2, Investigations required, by deleting in the exception, "The building official" and inserting "The registered design professional, or for projects without a registered design professional, the building official, and delete 'waive' and insert 'omit'".

(c) Amend Section 1803.6, Reporting, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and the Industrialized Building Systems (675 IAC 15).

(d) Amend Section 1804.3, Site grading, by deleting the exception without substitution.

(e) Amend Section 1804.5, Compacted fill material, by deleting the last sentence of the exception without substitution.

(f) Amend Table 1807.1.6.3(1), Plain Masonry Foundation Walls, by deleting the last two footnotes "e" and "f" at the bottom of the table.

(g) Amend Section 1808.7.3, Pools, by deleting "this code" and inserting "the Indiana Swimming Pool Code (675 IAC 20)".

(h) Amend Section 1808.8.5, Forming of concrete, by deleting "building official" and inserting "registered design professional".

(i) Amend Section 1810.3.3.1.2, Load tests, by deleting in the third sentence, "building official" and inserting "registered design professional".

(j) Amend Section 1810.3.3.1.6, Uplift capacity of grouped deep foundation elements, by deleting "where" in the first paragraph after "analysis" and inserting ". Where".

(k) Amend Section 1810.3.5.2.2, Uncased, by deleting the text in the exception and inserting to read as follows: The length of the element is permitted to exceed thirty (30) times the diameter when documented by the registered design professional and approved by the building official.

(l) Amend Section 1810.3.9.3, Placement of reinforcement, in exception 3, by deleting "building official" and inserting "registered design professional".

(m) Amend Section 1810.3.11.2 Seismic Design Categories D through F, by inserting "-" between "lateral" and "force" in the last paragraph.

(n) Amend Section 1810.4.3, Location plan, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).

(o) Amend Section 1810.4.12, Special inspections, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrial Building Systems (675 IAC 15). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-20; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014; errata filed Aug 7, 2014, 8:54 a.m.: 20140827-IR-675130339ACA)*

675 IAC 13-2.6-21 Chapter 19; concrete

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. 21. Chapter 19 is amended as follows: (a) Amend Section 1901.3, Construction documents, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 12-6).

(b) Delete Section 1908.5, Increase for special inspections, without substitution.

(c) Amend Section 1910.5, Preconstruction tests, by deleting "When required by the building official" and inserting "When required by the registered design professional".

(d) Amend Section 1910.7, Joints, by deleting "approved".

(e) Amend Section 1912.6, Approvals, by deleting the last sentence and inserting to read as follows: Shop-fabricated concrete-filled pipe columns shall be approved by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-21; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-22 Chapter 21; masonry

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. 22. Chapter 21 is amended as follows: (a) Amend Sections 2101.3, Construction documents, and 2101.3.1, Fireplace drawings, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and the rules for Industrialized Building Systems (675 IAC 15).

(b) Amend Section 2105.1, General, by deleting the second paragraph without substitution.

(c) Amend Section 2105.2, Acceptance relative to strength requirements, by deleting "Where required by Chapter 17", without substitution.

(d) Amend Section 2107.2 TMS 402/ACI 530/ASCE 5 by deleting "2.1.8.7.1.1" and inserting "2.1.7.7.1.1" in both places.

(e) Amend Section 2107.3 TMS 402/ACI 530/ASCE 5 as follows:

(1) Delete "2.1.8.7" in all three places and insert "2.1.7.7".

(2) Delete "2.1.8.7.3" and insert "2.1.7.7.3".

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-22; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)

675 IAC 13-2.6-23 Chapter 22; steel

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. 23. Chapter 22 is amended as follows: (a) Amend Section 2204.1, Welding, by deleting the text of the last sentence without substitution.

(b) Amend Section 2204.2, Bolting, by deleting the text of the last sentence without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-23; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-24 Chapter 23; wood

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. Chapter 23 is amended as follows: (a) Amend Section 2303.1.1, Sawn lumber, by deleting in the first sentence "by an accreditation body that complies with DOC PS 20 or equivalent" without substitution.

(b) Amend Section 2303.1.8.1, Identification, by deleting the text of the second sentence, after "wood", and inserting "and shall be approved by the building official".

(c) Amend Section 2303.2.4, Labeling, item 7 as follows:

(1) Delete "2303.2.2 through".

(2) Insert "through 2303.2.8" after "2303.2.5".

(d) Delete Section 2303.4.1, Design, without substitution.

(e) Amend Sections 2303.4.1.1, 2303.4.1.2, 2303.4.2, 2303.4.3, 2303.4.4, and 2303.4.5 by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and Industrialized Building Systems (675 IAC 15).

(f) Amend Section 2303.4.6, TPI 1 specifications, by deleting the text and inserting to read as follows: Metal plate connected wood trusses shall be manufactured as required by TPI 1.

(g) Amend Section 2303.5, Test standard for joist hangers, by deleting the text and inserting to read as follows: Joist hangers shall be approved.

(h) Amend Section 2304.9.3, Joist hangers and framing anchors, by deleting the last sentence without substitution.

(i) Amend Section 2304.11.5, Supporting member for permanent appurtenances, by deleting the exception without substitution.

(j) Amend Section 2305.2, Diaphragm deflection, as follows:

(1) In "Equation 23-1", delete "4Gr" and insert "4Gt" in both places.

(2) In nomenclature, delete "B" and insert "b" and delete "G_t" and insert "Gt".

(k) Amend Section 2308.1, General, by deleting, in the second sentence, "provided a satisfactory design is submitted showing" and inserting "where the design has been approved and the design shows".

(l) Amend Section 2308.2.1, Nominal design wind speed greater than 100 mph (3-second gust), by inserting, in the first sentence after "WFCM", "For One and Two Family Dwellings, SBC high Wind Edition".

(m) Delete Tables 2308.9.5, 2308.9.6, 2308.10.2(1), 2308.10.2(2), and 2308.10.3(1) through 2308.10.3(6) and insert the following tables:

TABLE 2308.9.5

HEADER AND GIRDER SPANS[a,b] FOR EXTERIOR BEARING WALLS

(Maximum Spans for Douglas Fir-Larch, Hem-Fir, Southern Pine and Spruce-Pine-Fir[b] and Required Number of Jack Studs)

HEADERS SUPPORTING	SIZE	GROUND SNOW LOAD (psf)[e]											
		30						50					
		Building width[c] (feet)											
		20		28		36		20		28		36	
		Span	NJ[d]	Span	NJ[d]	Span	NJ[d]	Span	NJ[d]	Span	NJ[d]	Span	NJ[d]
Roof & Ceiling	2-2x4	3-6	1	3-2	1	2-10	1	3-2	1	2-9	1	2-6	1
	2-2x6	5-5	1	4-8	1	4-2	1	4-8	1	4-1	1	3-8	2
	2-2x8	6-10	1	5-11	2	5-4	2	5-11	2	5-2	2	4-7	2
	2-2x10	8-5	2	7-3	2	6-6	2	7-3	2	6-3	2	5-7	2
	2-2x12	9-9	2	8-5	2	7-6	2	8-5	2	7-3	2	6-6	2
	3-2x8	8-4	1	7-5	1	6-8	1	7-5	1	6-5	2	5-9	2
	3-2x10	10-6	1	9-1	2	8-2	2	9-1	2	7-10	2	7-0	2
	3-2x12	12-2	2	10-7	2	9-5	2	10-7	2	9-2	2	8-2	2
	4-2x8	9-2	1	8-4	1	7-8	1	8-4	1	7-5	1	6-8	1
	4-2x10	11-8	1	10-6	1	9-5	2	10-6	1	9-1	2	8-2	2
	4-2x12	14-1	1	12-2	2	10-11	2	12-2	2	10-7	2	9-5	2
Roof, Ceiling & 1 Center-Bearing Floor	2-2x4	3-1	1	2-9	1	2-5	1	2-9	1	2-5	1	2-2	1
	2-2x6	4-6	1	4-0	1	3-7	2	4-1	1	3-7	2	3-3	2
	2-2x8	5-9	2	5-0	2	4-6	2	5-2	2	4-6	2	4-1	2
	2-2x10	7-0	2	6-2	2	5-6	2	6-4	2	5-6	2	5-0	2
	2-2x12	8-1	2	7-1	2	6-5	2	7-4	2	6-5	2	5-9	3
	3-2x8	7-2	1	6-3	2	5-8	2	6-5	2	5-8	2	5-1	2
	3-2x10	8-9	2	7-8	2	6-11	2	7-11	2	6-11	2	6-3	2
	3-2x12	10-2	2	8-11	2	8-0	2	9-2	2	8-0	2	7-3	2

	4-2x8	8-1	1	7-3	1	6-7	1	7-5	1	6-6	1	5-11	2
	4-2x10	10-1	1	8-10	2	8-0	2	9-1	2	8-0	2	7-2	2
	4-2x12	11-9	2	10-3	2	9-3	2	10-7	2	9-3	2	8-4	2
Roof, Ceiling & 1 Clear Span Floor	2-2x4	2-8	1	2-4	1	2-1	1	2-7	1	2-3	1	2-0	1
	2-2x6	3-11	1	3-5	2	3-0	2	3-10	2	3-4	2	3-0	2
	2-2x8	5-0	2	4-4	2	3-10	2	4-10	2	4-2	2	3-9	2
	2-2x10	6-1	2	5-3	2	4-8	2	5-11	2	5-1	2	4-7	3
	2-2x12	7-1	2	6-1	3	5-5	3	6-10	2	5-11	3	5-4	3
	3-2x8	6-3	2	5-5	2	4-10	2	6-1	2	5-3	2	4-8	2
	3-2x10	7-7	2	6-7	2	5-11	2	7-5	2	6-5	2	5-9	2
	3-2x12	8-10	2	7-8	2	6-10	2	8-7	2	7-5	2	6-8	2
	4-2x8	7-2	1	6-3	2	5-7	2	7-0	1	6-1	2	5-5	2
	4-2x10	8-9	2	7-7	2	6-10	2	8-7	2	7-5	2	6-7	2
	4-2x12	10-2	2	8-10	2	7-11	2	9-11	2	8-7	2	7-8	2
Roof, Ceiling & 2 Center- Bearing Floors	2-2×4	2-7	1	2-3	1	2-0	1	2-6	1	2-2	1	1-11	1
	2-2×6	3-9	2	3-3	2	2-11	2	3-8	2	3-2	2	2-10	2
	2-2×8	4-9	2	4-2	2	3-9	2	4-7	2	4-0	2	3-8	2
	2-2×10	5-9	2	5-1	2	4-7	3	5-8	2	4-11	2	4-5	3
	2-2×12	6-8	2	5-10	3	5-3	3	6-6	2	5-9	3	5-2	3
	3-2×8	5-11	2	5-2	2	4-8	2	5-9	2	5-1	2	4-7	2
	3-2×10	7-3	2	6-4	2	5-8	2	7-1	2	6-2	2	5-7	2
	3-2×12	8-5	2	7-4	2	6-7	2	8-2	2	7-2	2	6-5	3
	4-2×8	6-10	1	6-0	2	5-5	2	6-8	1	5-10	2	5-3	2
	4-2×10	8-4	2	7-4	2	6-7	2	8-2	2	7-2	2	6-5	2
	4-2×12	9-8	2	8-6	2	7-8	2	9-5	2	8-3	2	7-5	2
Roof, Ceiling & 2 Clear Span Floors	2-2×4	2-1	1	1-8	1	1-6	2	2-0	1	1-8	1	1-5	2
	2-2×6	3-1	2	2-8	2	2-4	2	3-0	2	2-7	2	2-3	2
	2-2×8	3-10	2	3-4	2	3-0	3	3-10	2	3-4	2	2-11	3
	2-2×10	4-9	2	4-1	3	3-8	3	4-8	2	4-0	3	3-7	3
	2-2×12	5-6	3	4-9	3	4-3	3	5-5	3	4-8	3	4-2	3
	3-2×8	4-10	2	4-2	2	3-9	2	4-9	2	4-1	2	3-8	2
	3-2×10	5-11	2	5-1	2	4-7	3	5-10	2	5-0	2	4-6	3
	3-2×12	6-10	2	5-11	3	5-4	3	6-9	2	5-10	3	5-3	3
	4-2×8	5-7	2	4-10	2	4-4	2	5-6	2	4-9	2	4-3	2
	4-2×10	6-10	2	5-11	2	5-3	2	6-9	2	5-10	2	5-2	2
	4-2×12	7-11	2	6-10	2	6-2	3	7-9	2	6-9	2	6-0	3

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.8 N/m^2.

a. Spans are given in feet and inches (ft-in).

b. Tabulated values are for No. 2 grade lumber, except No.1 or better grade lumber shall be used for Southern Pine 2x4's.

c. Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.

d. NJ - Number of jack studs required to support each end. Where the number of required jack studs equals one, the header is permitted to be supported by an approved framing anchor attached to the full-height wall stud and to the header.

e. Use 30 pounds per square foot ground snow load for cases in which ground snow load is less than 30 pounds per square foot and the roof live load is equal to or less than 20 pounds per square foot.

TABLE 2308.9.6
HEADER AND GIRDER SPANS[a,b] FOR INTERIOR BEARING WALLS
(Maximum Spans for Douglas Fir-Larch, Hem-Fir, Southern Pine and Spruce-Pine-Fir[b] and Required Number of Jack Studs)

HEADERS AND GIRDERS SUPPORTING	SIZE	BUILDING width[c] (feet)					
		20		28		36	
		Span	NJ[d]	Span	NJ[d]	Span	NJ[d]
One Floor Only	2-2×4	3-1	1	2-8	1	2-5	1
	2-2×6	4-6	1	3-11	1	3-6	1
	2-2×8	5-9	1	5-0	2	4-5	2
	2-2×10	7-0	2	6-1	2	5-5	2
	2-2×12	8-1	2	7-0	2	6-3	2
	3-2×8	7-2	1	6-3	1	5-7	2
	3-2×10	8-9	1	7-7	2	6-9	2
	3-2×12	10-2	2	8-10	2	7-10	2
	4-2×8	9-0	1	7-8	1	6-9	1
	4-2×10	10-1	1	8-9	1	7-10	2
	4-2×12	11-9	1	10-2	2	9-1	2
Two Floors	2-2×4	2-2	1	1-10	1	1-7	1
	2-2×6	3-2	2	2-9	2	2-5	2
	2-2×8	4-1	2	3-6	2	3-2	2
	2-2×10	4-11	2	4-3	2	3-10	3
	2-2×12	5-9	2	5-0	3	4-5	3
	3-2×8	5-1	2	4-5	2	3-11	2
	3-2×10	6-2	2	5-4	2	4-10	2
	3-2×12	7-2	2	6-3	2	5-7	3
	4-2×8	6-1	1	5-3	2	4-8	2
	4-2×10	7-2	2	6-2	2	5-6	2
	4-2×12	8-4	2	7-2	2	6-5	2

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

a. Spans are given in feet and inches (ft-in).

b. Tabulated values are for No. 2 grade lumber, except No.1 or better grade lumber shall be used for Southern Pine 2x4's.

c. Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.

d. NJ - Number of jack studs required to support each end. Where the number of required jack studs equals one, the headers are permitted to be supported by an approved framing anchor attached to the full-height wall stud and to the header.

TABLE 2308.10.2(1)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(Uninhabitable Attics Without Storage, Live Load = 10 pounds psf, L/Δ = 240)

CEILING JOIST SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 5 pounds per square foot			
			2 x 4	2 x 6	2 x 8	2 x 10
			Maximum ceiling joist spans			
			(ft. - in.)	(ft. - in.)	(ft. - in.)	(ft. - in.)
12	Douglas Fir-Larch	SS	13-2	20-8	26-0	26-0
	Douglas Fir-Larch	#1	12-8	19-11	26-0	26-0
	Douglas Fir-Larch	#2	12-5	19-6	25-8	26-0
	Douglas Fir-Larch	#3	10-10	15-10	20-1	24-6

	Hem-Fir	SS		12-5	19-6	25-8	26-0
	Hem-Fir	#1		12-2	19-1	25-2	26-0
	Hem-Fir	#2		11-7	18-2	24-0	26-0
	Hem-Fir	#3		10-10	15-10	20-1	24-6
	Southern Pine	SS		12-11	20-3	26-0	26-0
	Southern Pine	#1		12-8	19-11	26-0	26-0
	Southern Pine	#2		11-10	19-6	25-8	26-0
	Southern Pine	#3		9-8	17-0	21-8	25-7
	Spruce-Pine-Fir	SS		12-2	19-1	25-2	26-0
	Spruce-Pine-Fir	#1		11-10	18-8	24-7	26-0
	Spruce-Pine-Fir	#2		11-10	18-8	24-7	26-0
	Spruce-Pine-Fir	#3		10-10	15-10	20-1	24-6
	Douglas Fir-Larch		SS	11-11	18-9	24-8	26-0
	Douglas Fir-Larch		#1	11-6	18-1	23-10	26-0
	Douglas Fir-Larch		#2	11-3	17-8	23-0	26-0
	Douglas Fir-Larch		#3	9-5	13-9	17-5	21-3
	Hem-Fir	SS		11-3	17-8	23-4	26-0
	Hem-Fir	#1		11-0	17-4	22-10	26-0
	Hem-Fir	#2		10-6	16-6	21-9	26-0
	Hem-Fir	#3		9-5	13-9	17-5	21-3
16	Southern Pine	SS		11-9	18-5	24-3	26-0
	Southern Pine	#1		11-6	18-1	23-1	26-0
	Southern Pine	#2		10-9	17-8	24-4	26-0
	Southern Pine	#3		8-5	14-9	18-9	22-2
	Spruce-Pine-Fir	SS		11-0	17-4	22-10	26-0
	Spruce-Pine-Fir	#1		10-9	16-11	22-4	26-0
	Spruce-Pine-Fir	#2		10-9	16-11	22-4	26-0
	Spruce-Pine-Fir	#3		9-5	13-9	17-5	21-3
	Douglas Fir-Larch		SS	11-3	17-8	23-3	26-0
	Douglas Fir-Larch		#1	10-10	17-0	22-5	26-0
	Douglas Fir-Larch		#2	10-7	16-7	21-0	25-8
	Douglas Fir-Larch		#3	8-7	12-6	15-10	19-5
	Hem-Fir	SS		10-7	16-8	21-11	26-0
	Hem-Fir	#1		10-4	16-4	21-6	26-0
	Hem-Fir	#2		9-11	15-7	20-6	25-3
	Hem-Fir	#3		8-7	12-6	15-10	19-5
19.2	Southern Pine	SS		11-0	17-4	22-10	26-0
	Southern Pine	#1		10-10	17-0	22-5	26-0
	Southern Pine	#2		10-2	16-8	21-11	26-0
	Southern Pine	#3		7-8	13-6	17-2	20-3
	Spruce-Pine-Fir	SS		10-4	16-4	21-6	26-0
	Spruce-Pine-Fir	#1		10-2	15-11	21-0	25-8
	Spruce-Pine-Fir	#2		10-2	15-11	21-0	25-8
	Spruce-Pine-Fir	#3		8-7	12-6	15-10	19-5
	Douglas Fir-Larch		SS	10-5	16-4	21-7	26-0
	Douglas Fir-Larch		#1	10-0	15-9	20-1	24-6
24	Douglas Fir-Larch		#2	9-10	14-10	18-9	22-11
	Douglas Fir-Larch		#3	7-8	11-2	14-2	17-4

	Hem-Fir	SS	9-10	15-6	20-5	26-0
	Hem-Fir	#1	9-8	15-2	19-7	23-11
	Hem-Fir	#2	9-2	14-5	18-6	22-7
	Hem-Fir	#3	7-8	11-2	14-2	17-4
	Southern Pine	SS	10-3	16-1	21-2	26-0
	Southern Pine	#1	10-0	15-9	20-10	26-0
	Southern Pine	#2	9-1	15-6	20-1	23-11
	Southern Pine	#3	6-10	12-0	15-4	18-1
	Spruce-Pine-Fir	SS	9-8	15-2	19-11	25-5
	Spruce-Pine-Fir	#1	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#2	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#3	7-8	11-2	14-2	17-4

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.8 N/m^2.

TABLE 2308.10.2(2)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(Uninhabitable Attics with Limited Storage, Live Load = 20 pounds per square foot, L/Δ = 240)

CEILING JOIST SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 pounds per square foot			
			2 x 4	2 x 6	2 x 8	2 x 10
			Maximum ceiling joist spans			
			(ft. - in.)	(ft. - in.)	(ft. - in.)	(ft. - in.)
12	Douglas Fir-Larch	SS	10-5	16-4	21-7	26-0
	Douglas Fir-Larch	#1	10-0	15-9	20-1	24-6
	Douglas Fir-Larch	#2	9-10	14-10	18-9	22-11
	Douglas Fir-Larch	#3	7-8	11-2	14-2	17-4
	Hem-Fir	SS	9-10	15-6	20-5	26-0
	Hem-Fir	#1	9-8	15-2	19-7	23-11
	Hem-Fir	#2	9-2	14-5	18-6	22-7
	Hem-Fir	#3	7-8	11-2	14-2	17-4
	Southern Pine	SS	10-3	16-1	21-2	26-0
	Southern Pine	#1	10-0	15-9	20-10	26-0
	Southern Pine	#2	9-1	15-6	20-1	23-11
	Southern Pine	#3	6-10	12-0	15-4	18-1
	Spruce-Pine-Fir	SS	9-8	15-2	19-11	25-5
	Spruce-Pine-Fir	#1	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#2	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#3	7-8	11-2	14-2	17-4
16	Douglas Fir-Larch	SS	9-6	14-11	19-7	25-0
	Douglas Fir-Larch	#1	9-1	13-9	17-5	21-3
	Douglas Fir-Larch	#2	8-9	12-10	16-3	19-10
	Douglas Fir-Larch	#3	6-8	9-8	12-4	15-0
	Hem-Fir	SS	8-11	14-1	18-6	23-8
	Hem-Fir	#1	8-9	13-5	16-10	20-8
	Hem-Fir	#2	8-4	12-8	16-0	19-7
	Hem-Fir	#3	6-8	9-8	12-4	15-0
	Southern Pine	SS	9-4	14-7	19-3	24-7
	Southern Pine	#1	9-1	14-4	18-11	23-1
	Southern Pine	#2	7-10	13-6	17-5	20-9
	Southern Pine	#3	5-11	10-5	13-3	15-8

	Spruce-Pine-Fir	SS	8-9	13-9	18-1	23-1
	Spruce-Pine-Fir	#1	8-7	12-10	16-3	19-10
	Spruce-Pine-Fir	#2	8-7	12-10	16-3	19-10
	Spruce-Pine-Fir	#3	6-8	9-8	12-4	15-0
	Douglas Fir-Larch	SS	8-11	14-0	18-5	23-4
	Douglas Fir-Larch	#1	8-7	12-6	15-10	19-5
	Douglas Fir-Larch	#2	8-0	11-9	14-10	18-2
	Douglas Fir-Larch	#3	6-1	8-10	11-3	13-8
	Hem-Fir	SS	8-5	13-3	17-5	22-3
	Hem-Fir	#1	8-3	12-3	15-6	18-11
	Hem-Fir	#2	7-10	11-7	14-8	17-10
	Hem-Fir	#3	6-1	8-10	11-3	13-8
19.2	Southern Pine	SS	8-9	13-9	18-1	23-1
	Southern Pine	#1	8-7	13-6	17-9	21-1
	Southern Pine	#2	7-2	12-3	15-10	18-11
	Southern Pine	#3	5-5	9-6	12-1	14-4
	Spruce-Pine-Fir	SS	8-3	12-11	17-1	21-8
	Spruce-Pine-Fir	#1	8-0	11-9	14-10	18-2
	Spruce-Pine-Fir	#2	8-0	11-9	14-10	18-2
	Spruce-Pine-Fir	#3	6-1	8-10	11-3	13-8
	Douglas Fir-Larch	SS	8-3	13-0	17-1	20-11
	Douglas Fir-Larch	#1	7-8	11-2	14-2	17-4
	Douglas Fir-Larch	#2	7-2	10-6	13-3	16-3
	Douglas Fir-Larch	#3	5-5	7-11	10-0	12-3
	Hem-Fir	SS	7-10	12-3	16-2	20-6
	Hem-Fir	#1	7-6	10-11	13-10	16-11
	Hem-Fir	#2	7-1	10-4	13-1	16-0
	Hem-Fir	#3	5-5	7-11	10-0	12-3
24	Southern Pine	SS	8-1	12-9	16-10	21-6
	Southern Pine	#1	8-0	12-6	15-10	18-10
	Southern Pine	#2	6-5	11-0	14-2	16-11
	Southern Pine	#3	4-10	8-6	10-10	12-10
	Spruce-Pine-Fir	SS	7-8	12-0	15-10	19-5
	Spruce-Pine-Fir	#1	7-2	10-6	13-3	16-3
	Spruce-Pine-Fir	#2	7-2	10-6	13-3	16-3
	Spruce-Pine-Fir	#3	5-5	7-11	10-0	12-3

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.8 N/m^2.

TABLE 2308.10.3(1)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Roof Live Load = 20 pounds per square foot, Ceiling Not Attached to Rafters, L/Δ = 180)

RAFTER SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
		2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
		Maximum rafter spans									
		(ft - in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)

12	Douglas Fir-Larch SS		11-6	18-0	23-9	26-0	26-0	11-6	18-0	23-5	26-0	26-0
	Douglas Fir-Larch #1		11-1	17-4	22-5	26-0	26-0	10-6	15-4	19-5	23-9	26-0
	Douglas Fir-Larch #2		10-10	16-7	21-0	25-8	26-0	9-10	14-4	18-2	22-3	25-9
	Douglas Fir-Larch #3		8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Hem-Fir	SS	10-10	17-0	22-5	26-0	26-0	10-10	17-0	22-5	26-0	26-0
	Hem-Fir	#1	10-7	16-8	21-10	26-0	26-0	10-3	14-11	18-11	23-2	26-0
	Hem-Fir	#2	10-1	15-11	20-8	25-3	26-0	9-8	14-2	17-11	21-11	25-5
	Hem-Fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Southern Pine	SS	11-3	17-8	23-4	26-0	26-0	11-3	17-8	23-4	26-0	26-0
	Southern Pine	#1	11-1	17-4	22-11	26-0	26-0	11-1	17-3	21-9	25-10	26-0
	Southern Pine	#2	10-2	17-0	22-5	26-0	26-0	8-9	15-1	19-5	23-2	26-0
	Southern Pine	#3	7-8	13-6	17-2	20-3	24-1	6-8	11-8	14-10	17-6	20-11
	Spruce-Pine-Fir	SS	10-7	16-8	21-11	26-0	26-0	10-7	16-8	21-9	26-0	26-0
	Spruce-Pine-Fir	#1	10-4	16-3	21-0	25-8	26-0	9-10	14-4	18-2	22-3	25-9
	Spruce-Pine-Fir	#2	10-4	16-3	21-0	25-8	26-0	9-10	14-4	18-2	22-3	25-9
	Spruce-Pine-Fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
16	Douglas Fir-Larch SS		10-5	16-4	21-7	26-0	26-0	10-5	16-0	20-3	24-9	26-0
	Douglas Fir-Larch #1		10-0	15-4	19-5	23-9	26-0	9-1	13-3	16-10	20-7	23-10
	Douglas Fir-Larch #2		9-10	14-4	18-2	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Douglas Fir-Larch #3		7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Hem-Fir	SS	9-10	15-6	20-5	26-0	26-0	9-10	15-6	19-11	24-4	26-0
	Hem-Fir	#1	9-8	14-11	18-11	23-2	26-0	8-10	12-11	16-5	20-0	23-3
	Hem-Fir	#2	9-2	14-2	17-11	21-11	25-5	8-5	12-3	15-6	18-11	22-0
	Hem-Fir	#3	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Southern Pine	SS	10-3	16-1	21-2	26-0	26-0	10-3	16-1	21-2	26-0	26-0
	Southern Pine	#1	10-0	15-9	20-10	25-10	26-0	10-0	15-0	18-10	22-4	26-0
	Southern Pine	#2	8-9	15-1	19-5	23-2	26-0	7-7	13-0	16-10	20-1	23-7
	Southern Pine	#3	6-8	11-8	14-10	17-6	20-11	5-9	10-1	12-10	15-2	18-1
	Spruce-Pine-Fir	SS	9-8	15-2	19-11	25-5	26-0	9-8	14-10	18-10	23-0	26-0
	Spruce-Pine-Fir	#1	9-5	14-4	18-2	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Spruce-Pine-Fir	#2	9-5	14-4	18-2	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Spruce-Pine-Fir	#3	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
19.2	Douglas Fir-Larch SS		9-10	15-5	20-4	25-11	26-0	9-10	14-7	18-6	22-7	26-0
	Douglas Fir-Larch #1		9-5	14-0	17-9	21-8	25-2	8-4	12-2	15-4	18-9	21-9
	Douglas Fir-Larch #2		8-11	13-1	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Douglas Fir-Larch #3		6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5

	Hem-Fir	SS	9-3	14-7	19-2	24-6	26-0	9-3	14-4	18-2	22-3	25-9
	Hem-Fir	#1	9-1	13-8	17-4	21-1	24-6	8-1	11-10	15-0	18-4	21-3
	Hem-Fir	#2	8-8	12-11	16-4	20-0	23-2	7-8	11-2	14-2	17-4	20-1
	Hem-Fir	#3	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Southern Pine	SS	9-8	15-2	19-11	25-5	26-0	9-8	15-2	19-11	25-5	26-0
	Southern Pine	#1	9-5	14-10	19-7	23-7	26-0	9-3	13-8	17-2	20-5	24-4
	Southern Pine	#2	8-0	13-9	17-9	21-2	24-10	6-11	11-11	15-4	18-4	21-6
	Southern Pine	#3	6-1	10-8	13-7	16-0	19-1	5-3	9-3	11-9	13-10	16-6
	Spruce-Pine-Fir	SS	9-1	14-3	18-9	23-11	26-0	9-1	13-7	17-2	21-0	24-4
	Spruce-Pine-Fir	#1	8-10	13-1	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-Pine-Fir	#2	8-10	13-1	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-Pine-Fir	#3	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		9-1	14-4	18-10	23-4	26-0	8-11	13-1	16-7	20-3	23-5
	Douglas Fir-Larch #2		8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Douglas Fir-Larch #3		8-0	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Hem-Fir	SS	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9
	Hem-Fir	#1	8-7	13-6	17-10	22-9	26-0	8-7	12-10	16-3	19-10	23-0
24	Hem-Fir	#2	8-4	12-3	15-6	18-11	21-11	7-3	10-7	13-5	16-4	19-0
	Hem-Fir	#3	7-11	11-7	14-8	17-10	20-9	6-10	10-0	12-8	15-6	17-11
	Southern Pine	SS	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9
	Southern Pine	#1	8-11	14-1	18-6	23-8	26-0	8-11	14-1	18-6	22-11	26-0
	Southern Pine	#2	8-9	13-9	17-9	21-1	25-2	8-3	12-3	15-4	18-3	21-9
	Southern Pine	#3	7-2	12-3	15-10	18-11	22-2	6-2	10-8	13-9	16-5	19-3
	Spruce-Pine-Fir	SS	5-5	9-6	12-1	14-4	17-1	4-8	8-3	10-6	12-5	14-9
	Spruce-Pine-Fir	#1	8-5	13-3	17-5	21-8	25-2	8-4	12-2	15-4	18-9	21-9
	Spruce-Pine-Fir	#2	8-0	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Spruce-Pine-Fir	#3	8-0	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
			6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2.

TABLE 2308.10.3(2)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Roof Live Load = 20 pounds per square foot, Ceiling Attached to Rafters, L/Δ = 240)

RAFTER SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
		2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
		Maximum rafter spans									
		(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)
	Douglas Fir-Larch SS										
	Douglas Fir-Larch #1	10-5	16-4	21-7	26-0	26-0	10-5	16-4	21-7	26-0	26-0
12	Douglas Fir-Larch #2	10-0	15-9	20-10	26-0	26-0	10-0	15-4	19-5	23-9	26-0
	Douglas Fir-Larch #3	9-10	15-6	20-5	25-8	26-0	9-10	14-4	18-2	22-3	25-9
		8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6

	Hem-Fir	SS	9-10	15-6	20-5	26-0	26-0	9-10	15-6	20-5	26-0	26-0
	Hem-Fir	#1	9-8	15-2	19-11	25-5	26-0	9-8	14-11	18-11	23-2	26-0
	Hem-Fir	#2	9-2	14-5	19-0	24-3	26-0	9-2	14-2	17-11	21-11	25-5
	Hem-Fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Southern Pine	SS	10-3	16-1	21-2	26-0	26-0	10-3	16-1	21-2	26-0	26-0
	Southern Pine	#1	10-0	15-9	20-10	26-0	26-0	10-0	15-9	20-10	25-10	26-0
	Southern Pine	#2	9-5	15-6	20-5	26-0	26-0	8-9	15-1	19-5	23-2	26-0
	Southern Pine	#3	7-8	13-6	17-2	20-3	24-1	6-8	11-8	14-10	17-6	20-11
	Spruce-Pine-Fir	SS	9-8	15-2	19-11	25-5	26-0	9-8	15-2	19-11	25-5	26-0
	Spruce-Pine-Fir	#1	9-5	14-9	19-6	24-10	26-0	9-5	14-4	18-2	22-3	25-9
	Spruce-Pine-Fir	#2	9-5	14-9	19-6	24-10	26-0	9-5	14-4	18-2	22-3	25-9
	Spruce-Pine-Fir	#3	8-7	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Douglas Fir-Larch	SS										
	Douglas Fir-Larch	#1	9-6	14-11	19-7	25-0	26-0	9-6	14-11	19-7	24-9	26-0
	Douglas Fir-Larch	#2	9-1	14-4	18-11	23-9	26-0	9-1	13-3	16-10	20-7	23-10
	Douglas Fir-Larch	#3	8-11	14-1	18-2	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Hem-Fir	SS	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Hem-Fir	#1	8-11	14-1	18-6	23-8	26-0	8-11	14-1	18-6	23-8	26-0
16	Hem-Fir	#2	8-9	13-9	18-1	23-1	26-0	8-9	12-11	16-5	20-0	23-3
	Hem-Fir	#3	8-4	13-1	17-3	21-11	25-5	8-4	12-3	15-6	18-11	22-0
	Southern Pine	SS	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Southern Pine	#1	9-4	14-7	19-3	24-7	26-0	9-4	14-7	19-3	24-7	26-0
	Southern Pine	#2	9-1	14-4	18-11	24-1	26-0	9-1	14-4	18-10	22-4	26-0
	Southern Pine	#3	8-7	14-1	18-6	23-2	26-0	7-7	13-0	16-10	20-1	23-7
	Spruce-Pine-Fir	SS	6-8	11-8	14-10	17-6	20-11	5-9	10-1	12-10	15-2	18-1
	Spruce-Pine-Fir	#1	8-9	13-9	18-1	23-1	26-0	8-9	13-9	18-1	23-0	26-0
	Spruce-Pine-Fir	#2	8-7	13-5	17-9	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Spruce-Pine-Fir	#3	8-7	13-5	17-9	22-3	25-9	8-6	12-5	15-9	19-3	22-4
	Douglas Fir-Larch	SS	7-5	10-10	13-9	16-9	19-6	6-5	9-5	11-11	14-6	16-10
	Douglas Fir-Larch	#1	8-11	14-0	18-5	23-7	26-0	8-11	14-0	18-5	22-7	26-0
	Douglas Fir-Larch	#2	8-7	13-6	17-9	21-8	25-2	8-4	12-2	15-4	18-9	21-9
	Douglas Fir-Larch	#3	8-5	13-1	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Hem-Fir	SS	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Hem-Fir	#1	8-5	13-3	17-5	22-3	26-0	8-5	13-3	17-5	22-3	25-9
19.2	Hem-Fir	#2	8-3	12-11	17-1	21-1	24-6	8-1	11-10	15-0	18-4	21-3
	Hem-Fir	#3	7-10	12-4	16-3	20-0	23-2	7-8	11-2	14-2	17-4	20-1
	Southern Pine	SS	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Southern Pine	#1	8-9	13-9	18-1	23-1	26-0	8-9	13-9	18-1	23-1	26-0
	Southern Pine	#2	8-7	13-6	17-9	22-8	26-0	8-7	13-6	17-2	20-5	24-4
	Southern Pine	#3	8-0	13-3	17-5	21-2	24-10	6-11	11-11	15-4	18-4	21-6
			6-1	10-8	13-7	16-0	19-1	5-3	9-3	11-9	13-10	16-6

	Spruce-Pine-Fir	SS	8-3	12-11	17-1	21-9	26-0	8-3	12-11	17-1	21-0	24-4
	Spruce-Pine-Fir	#1	8-1	12-8	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-Pine-Fir	#2	8-1	12-8	16-7	20-3	23-6	7-9	11-4	14-4	17-7	20-4
	Spruce-Pine-Fir	#3	6-9	9-11	12-7	15-4	17-9	5-10	8-7	10-10	13-3	15-5
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		8-3	13-0	17-2	21-10	26-0	8-3	13-0	16-7	20-3	23-5
	Douglas Fir-Larch #2		8-0	12-6	15-10	19-5	22-6	7-5	10-10	13-9	16-9	19-6
	Douglas Fir-Larch #3		7-10	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Hem-Fir	SS	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9
	Hem-Fir	#1	7-10	12-3	16-2	20-8	25-1	7-10	12-3	16-2	19-10	23-0
24	Hem-Fir	#2	7-8	12-0	15-6	18-11	21-11	7-3	10-7	13-5	16-4	19-0
	Hem-Fir	#3	7-3	11-5	14-8	17-10	20-9	6-10	10-0	12-8	15-6	17-11
	Southern Pine	SS	6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9
	Southern Pine	#1	8-1	12-9	16-10	21-6	26-0	8-1	12-9	16-10	21-6	26-0
	Southern Pine	#2	8-0	12-6	16-6	21-1	25-2	8-0	12-3	15-4	18-3	21-9
	Southern Pine	#3	7-2	12-3	15-10	18-11	22-2	6-2	10-8	13-9	16-5	19-3
	Spruce-Pine-Fir	SS	5-5	9-6	12-1	14-4	17-1	4-8	8-3	10-6	12-5	14-9
	Spruce-Pine-Fir	#1	7-8	12-0	15-10	20-2	24-7	7-8	12-0	15-4	18-9	21-9
	Spruce-Pine-Fir	#2	7-6	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
	Spruce-Pine-Fir	#3	7-6	11-9	14-10	18-2	21-0	6-11	10-2	12-10	15-8	18-3
			6-1	8-10	11-3	13-8	15-11	5-3	7-8	9-9	11-10	13-9

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2

TABLE 2308.10.3(3)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Ground Snow Load = 30 pounds per square foot, Ceiling Not Attached to Rafters, L/Δ = 180)

RAFTER SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
			2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
			Maximum rafter spans									
			(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft-in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		10-0	15-9	20-9	26-0	26-0	10-0	15-9	20-1	24-6	26-0
	Douglas Fir-Larch #2		9-8	14-9	18-8	22-9	26-0	9-0	13-2	16-8	20-4	23-7
	Douglas Fir-Larch #3		9-5	13-9	17-5	21-4	24-8	8-5	12-4	15-7	19-1	22-1
	Hem-Fir	SS	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Hem-Fir	#1	9-6	14-10	19-7	25-0	26-0	9-6	14-0	19-7	24-1	26-0
12	Hem-Fir	#2	9-3	14-4	18-2	22-2	25-9	8-9	12-0	16-3	19-10	23-0
	Hem-Fir	#3	8-10	13-7	17-2	21-0	24-4	8-4	12-2	15-4	18-9	21-9
	Southern Pine	SS	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Southern Pine	#1	9-10	15-6	20-5	26-0	26-0	9-10	15-6	20-5	26-0	26-0
	Southern Pine	#2	9-8	15-2	20-0	24-9	26-0	9-8	14-10	18-8	22-2	26-0
	Southern Pine	#3	8-5	14-5	18-8	22-3	26-0	7-6	12-11	16-8	19-11	23-4
			6-4	11-2	14-3	16-10	20-0	5-8	10-0	12-9	15-1	17-11

	Spruce-Pine-Fir	SS	9-3	14-7	19-2	24-6	26-0	9-3	14-7	18-8	22-9	26-0
	Spruce-Pine-Fir	#1	9-1	13-9	17-5	21-4	24-8	8-5	12-4	15-7	19-1	22-1
	Spruce-Pine-Fir	#2	9-1	13-9	17-5	21-4	24-8	8-5	12-4	15-7	19-1	22-1
	Spruce-Pine-Fir	#3	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		9-1	14-4	18-10	23-9	26-0	9-1	13-9	17-5	21-3	24-8
			8-9	12-9	16-2	19-9	22-10	7-10	11-5	14-5	17-8	20-5
	Douglas Fir-Larch #2		8-2	11-11	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
			6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6
	Douglas Fir-Larch #3											
	Hem-Fir	SS	8-7	13-6	17-10	22-9	26-0	8-7	13-6	17-1	20-10	24-2
16	Hem-Fir	#1	8-5	12-5	15-9	19-3	22-3	7-7	11-1	14-1	17-2	19-11
	Hem-Fir	#2	8-0	11-9	14-11	18-2	21-1	7-2	10-6	13-4	16-3	18-10
	Hem-Fir	#3	6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6
	Southern Pine	SS	8-11	14-1	18-6	23-8	26-0	8-11	14-1	18-6	23-8	26-0
	Southern Pine	#1	8-9	13-9	18-1	21-5	25-7	8-8	12-10	16-2	19-2	22-10
	Southern Pine	#2	7-3	12-6	16-2	19-3	22-7	6-6	11-2	14-5	17-3	20-2
	Southern Pine	#3	5-6	9-8	12-4	14-7	17-4	4-11	8-8	11-0	13-0	15-6
	Spruce-Pine-Fir	SS	8-5	13-3	17-5	22-1	25-7	8-5	12-9	16-2	19-9	22-10
	Spruce-Pine-Fir	#1	8-2	11-11	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
	Spruce-Pine-Fir	#2	8-2	11-11	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
	Spruce-Pine-Fir	#3	6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		8-7	13-6	17-9	21-8	25-2	8-7	12-6	15-10	19-5	22-6
			7-11	11-8	14-9	18-0	20-11	7-1	10-5	13-2	16-1	18-8
	Douglas Fir-Larch #2		7-5	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
			5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2
	Douglas Fir-Larch #3											
	Hem-Fir	SS	8-1	12-9	16-9	21-4	24-8	8-1	12-4	15-7	19-1	22-1
19.2	Hem-Fir	#1	7-9	11-4	14-4	17-7	20-4	6-11	10-2	12-10	15-8	18-2
	Hem-Fir	#2	7-4	10-9	13-7	16-7	19-3	6-7	9-7	12-2	14-10	17-3
	Hem-Fir	#3	5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2
	Southern Pine	SS	8-5	13-3	17-5	22-3	26-0	8-5	13-3	17-5	22-0	25-9
	Southern Pine	#1	8-3	13-0	16-6	19-7	23-4	7-11	11-9	14-9	17-6	20-11
	Southern Pine	#2	6-8	11-5	14-9	17-7	20-7	6-0	10-2	13-2	15-9	18-5
	Southern Pine	#3	5-0	8-10	11-3	13-4	15-10	4-6	7-11	10-1	11-11	14-2
	Spruce-Pine-Fir	SS	7-11	12-5	16-5	20-2	23-4	7-11	11-8	14-9	18-0	20-11
	Spruce-Pine-Fir	#1	7-5	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
	Spruce-Pine-Fir	#2	7-5	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
	Spruce-Pine-Fir	#3	5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2

24	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		7-11	12-6	15-10	19-5	22-6	7-8	11-3	14-2	17-4	20-1
	Douglas Fir-Larch #2		7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Douglas Fir-Larch #3		6-8	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
	Hem-Fir	SS	5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10
	Hem-Fir	#1	7-6	11-10	15-7	19-1	22-1	7-6	11-0	13-11	17-0	19-9
	Hem-Fir	#2	6-11	10-2	12-10	15-8	18-2	6-2	9-1	11-6	14-0	16-3
	Hem-Fir	#3	6-7	9-7	12-2	14-10	17-3	5-10	8-7	10-10	13-3	15-5
	Southern Pine	SS	5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10
	Southern Pine	#1	7-10	12-3	16-2	20-8	25-1	7-10	12-3	16-2	19-8	23-0
	Southern Pine	#2	7-8	11-9	14-9	17-6	20-11	7-1	10-6	13-2	15-8	18-8
	Southern Pine	#3	6-0	10-2	13-2	15-9	18-5	5-4	9-2	11-9	14-1	16-6
	Spruce-Pine-Fir	SS	4-6	7-11	10-1	11-11	14-2	4-0	7-1	9-0	10-8	12-8
	Spruce-Pine-Fir	#1	7-4	11-7	14-9	18-0	20-11	7-1	10-5	13-2	16-1	18-8
	Spruce-Pine-Fir	#2	6-8	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
	Spruce-Pine-Fir	#3	6-8	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
			5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2.

TABLE 2308.10.3(4)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Ground Snow Load = 50 pounds per square foot, Ceiling Not Attached to Rafters, L/Δ = 180)

RAFTER SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
			2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
			Maximum rafter spans									
			(ft-in)	(ft -in)	(ft -in)	(ft -in)	(ft -in)	(ft-in)	(ft-in)	(ft-in)	(ft-in)	(ft - in)
12	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		8-5	13-3	17-6	22-4	26-0	8-5	13-3	17-0	20-9	24-10
	Douglas Fir-Larch #2		8-2	12-0	15-3	18-7	21-7	7-7	11-2	14-1	17-3	20-0
	Douglas Fir-Larch #3		7-8	11-3	14-3	17-5	20-2	7-1	10-5	13-2	16-1	18-8
	Hem-Fir	SS	5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Hem-Fir	#1	8-0	12-6	16-6	21-1	25-6	8-0	12-6	16-6	20-4	23-7
	Hem-Fir	#2	7-10	11-9	14-10	18-1	21-0	7-5	10-10	13-9	16-9	19-5
	Hem-Fir	#3	7-5	11-1	14-0	17-2	19-11	7-0	10-3	13-0	15-10	18-5
	Southern Pine	SS	5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Southern Pine	#1	8-4	13-0	17-2	21-11	26-0	8-4	13-0	17-2	21-11	26-0
	Southern Pine	#2	8-2	12-10	16-10	20-3	24-1	8-2	12-6	15-9	18-9	22-4
	Southern Pine	#3	6-10	11-9	15-3	18-2	21-3	6-4	10-11	14-1	16-10	19-9
	Spruce-Pine-Fir	SS	5-2	9-2	11-8	13-9	16-4	4-10	8-5	10-9	12-9	15-2
	Spruce-Pine-Fir	#1	7-10	12-3	16-2	20-8	24-1	7-10	12-3	15-9	19-3	22-4
	Spruce-Pine-Fir	#2	7-8	11-3	14-3	17-5	20-2	7-1	10-5	13-2	16-1	18-8
	Spruce-Pine-Fir	#3	7-8	11-3	14-3	17-5	20-2	7-1	10-5	13-2	16-1	18-8
			5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1

16	Douglas Fir-Larch SS		7-8	12-1	15-10	19-5	22-6	7-8	11-7	14-8	17-11	20-10
	Douglas Fir-Larch #1		7-1	10-5	13-2	16-1	18-8	6-7	9-8	12-2	14-11	17-3
	Douglas Fir-Larch #2		6-8	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Douglas Fir-Larch #3		5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
	Hem-Fir	SS	7-3	11-5	15-0	19-1	22-1	7-3	11-5	14-5	17-8	20-5
	Hem-Fir	#1	6-11	10-2	12-10	15-8	18-2	6-5	9-5	11-11	14-6	16-10
	Hem-Fir	#2	6-7	9-7	12-2	14-10	17-3	6-1	8-11	11-3	13-9	15-11
	Hem-Fir	#3	5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
	Southern Pine	SS	7-6	11-10	15-7	19-11	24-3	7-6	11-10	15-7	19-11	23-10
	Southern Pine	#1	7-5	11-7	14-9	17-6	20-11	7-4	10-10	13-8	16-2	19-4
	Southern Pine	#2	6-0	10-2	13-2	15-9	18-5	5-6	9-5	12-2	14-7	17-1
	Southern Pine	#3	4-6	7-11	10-1	11-11	14-2	4-2	7-4	9-4	11-0	13-1
	Spruce-Pine-Fir	SS	7-1	11-2	14-8	18-0	20-11	7-1	10-9	13-8	16-8	19-4
	Spruce-Pine-Fir	#1	6-8	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Spruce-Pine-Fir	#2	6-8	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Spruce-Pine-Fir	#3	5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
19.2	Douglas Fir-Larch SS		7-3	11-4	14-6	17-8	20-6	7-3	10-7	13-5	16-5	19-0
	Douglas Fir-Larch #1		6-6	9-6	12-0	14-8	17-1	6-0	8-10	11-2	13-7	15-9
	Douglas Fir-Larch #2		6-1	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	Douglas Fir-Larch #3		4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
	Hem-Fir	SS	6-10	10-9	14-2	17-5	20-2	6-10	10-5	13-2	16-1	18-8
	Hem-Fir	#1	6-4	9-3	11-9	14-4	16-7	5-10	8-7	10-10	13-3	15-5
	Hem-Fir	#2	6-0	8-9	11-1	13-7	15-9	5-7	8-1	10-3	12-7	14-7
	Hem-Fir	#3	4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
	Southern Pine	SS	7-1	11-2	14-8	18-9	22-10	7-1	11-2	14-8	18-7	21-9
	Southern Pine	#1	7-0	10-8	13-5	16-0	19-1	6-8	9-11	12-5	14-10	17-8
	Southern Pine	#2	5-5	9-4	12-0	14-4	16-10	5-0	8-8	11-2	13-4	15-7
	Southern Pine	#3	4-1	7-3	9-2	10-10	12-11	3-10	6-8	8-6	10-1	12-0
	Spruce-Pine-Fir	SS	6-8	10-6	13-5	16-5	19-1	6-8	9-10	12-5	15-3	17-8
	Spruce-Pine-Fir	#1	6-1	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	Spruce-Pine-Fir	#2	6-1	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	Spruce-Pine-Fir	#3	4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
24	Douglas Fir-Larch SS		6-8	10-3	13-0	15-10	18-4	6-6	9-6	12-0	14-8	17-0
	Douglas Fir-Larch #1		5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Douglas Fir-Larch #2		5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	Douglas Fir-Larch #3		4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0

	Hem-Fir	SS	6-4	9-11	12-9	15-7	18-0	6-4	9-4	11-9	14-5	16-8
	Hem-Fir	#1	5-8	8-3	10-6	12-10	14-10	5-3	7-8	9-9	11-10	13-9
	Hem-Fir	#2	5-4	7-10	9-11	12-1	14-1	4-11	7-3	9-2	11-3	13-0
	Hem-Fir	#3	4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0
	Southern Pine	SS	6-7	10-4	13-8	17-5	21-0	6-7	10-4	13-8	16-7	19-5
	Southern Pine	#1	6-5	9-7	12-0	14-4	17-1	6-0	8-10	11-2	13-3	15-9
	Southern Pine	#2	4-10	8-4	10-9	12-10	15-1	4-6	7-9	10-0	11-11	13-11
	Southern Pine	#3	3-8	6-5	8-3	9-9	11-7	3-5	6-0	7-7	9-0	10-8
	Spruce-Pine-Fir	SS	6-2	9-6	12-0	14-8	17-1	6-0	8-10	11-2	13-7	15-9
	Spruce-Pine-Fir	#1	5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	Spruce-Pine-Fir	#2	5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	Spruce-Pine-Fir	#3	4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2.

TABLE 2308.10.3(5)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Ground Snow Load = 30 pounds per square foot, Ceiling Attached to Rafters, L/Δ = 240)

RAFTER SPACING (inches)	SPECIES AND GRADE	DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
		2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
		Maximum rafter spans									
		(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft -in)	(ft - in)	(ft - in)	(ft - in)
12	Douglas Fir-Larch SS	9-1	14-4	18-10	24-1	26-0	9-1	14-4	18-10	24-1	26-0
	Douglas Fir-Larch #1	8-9	13-9	18-2	22-9	26-0	8-9	13-2	16-8	20-4	23-7
	Douglas Fir-Larch #2	8-7	13-6	17-5	21-4	24-8	8-5	12-4	15-7	19-1	22-1
	Douglas Fir-Larch #3	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Hem-Fir SS	8-7	13-6	17-10	22-9	26-0	8-7	13-6	17-10	22-9	26-0
	Hem-Fir #1	8-5	13-3	17-5	22-2	25-9	8-5	12-10	16-3	19-10	23-0
	Hem-Fir #2	8-0	12-7	16-7	21-0	24-4	8-0	12-2	15-4	18-9	21-9
	Hem-Fir #3	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Southern Pine SS	8-11	14-1	18-6	23-8	26-0	8-11	14-1	18-6	23-8	26-0
	Southern Pine #1	8-9	13-9	18-2	23-2	26-0	8-9	13-9	18-2	22-2	26-0
	Southern Pine #2	8-3	13-6	17-10	22-3	26-0	7-6	12-11	16-8	19-11	23-4
	Southern Pine #3	6-4	11-2	14-3	16-10	20-0	5-8	10-0	12-9	15-1	17-11
	Spruce-Pine-Fir SS	8-5	13-3	17-5	22-3	26-0	8-5	13-3	17-5	22-3	26-0
	Spruce-Pine-Fir #1	8-3	12-11	17-0	21-4	24-8	8-3	12-4	15-7	19-1	22-1
	Spruce-Pine-Fir #2	8-3	12-11	17-0	21-4	24-8	8-3	12-4	15-7	19-1	22-1
	Spruce-Pine-Fir #3	7-1	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
16	Douglas Fir-Larch SS	8-3	13-0	17-2	21-10	26-0	8-3	13-0	17-2	21-3	24-8
	Douglas Fir-Larch #1	8-0	12-6	16-2	19-9	22-10	7-10	11-5	14-5	17-8	20-5
	Douglas Fir-Larch #2	7-10	11-11	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
	Douglas Fir-Larch #3	6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6

	Hem-Fir	SS	7-10	12-3	16-2	20-8	25-1	7-10	12-3	16-2	20-8	24-2
	Hem-Fir	#1	7-8	12-0	15-9	19-3	22-3	7-7	11-1	14-1	17-2	19-11
	Hem-Fir	#2	7-3	11-5	14-11	18-2	21-1	7-2	10-6	13-4	16-3	18-10
	Hem-Fir	#3	6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6
	Southern Pine	SS	8-1	12-9	16-10	21-6	26-0	8-1	12-9	16-10	21-6	26-0
	Southern Pine	#1	8-0	12-6	16-6	21-1	25-7	8-0	12-6	16-2	19-2	22-10
	Southern Pine	#2	7-3	12-3	16-2	19-3	22-7	6-6	11-2	14-5	17-3	20-2
	Southern Pine	#3	5-6	9-8	12-4	14-7	17-4	4-11	8-8	11-0	13-0	15-6
	Spruce-Pine-Fir	SS	7-8	12-0	15-10	20-2	24-7	7-8	12-0	15-10	19-9	22-10
	Spruce-Pine-Fir	#1	7-6	11-9	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
	Spruce-Pine-Fir	#2	7-6	11-9	15-1	18-5	21-5	7-3	10-8	13-6	16-6	19-2
	Spruce-Pine-Fir	#3	6-2	9-0	11-5	13-11	16-2	5-6	8-1	10-3	12-6	14-6
	Douglas Fir-Larch SS											
	Douglas Fir-Larch #1		7-9	12-3	16-1	20-7	25-0	7-9	12-3	15-10	19-5	22-6
	Douglas Fir-Larch #2		7-6	11-8	14-9	18-0	20-11	7-1	10-5	13-2	16-1	18-8
	Douglas Fir-Larch #3		7-4	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
	Hem-Fir	SS	5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2
	Hem-Fir	#1	7-4	11-7	15-3	19-5	23-7	7-4	11-7	15-3	19-1	22-1
19.2	Hem-Fir	#2	7-2	11-4	14-4	17-7	20-4	6-11	10-2	12-10	15-8	18-2
	Hem-Fir	#3	6-10	10-9	13-7	16-7	19-3	6-7	9-7	12-2	14-10	17-3
	Southern Pine	SS	5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2
	Southern Pine	#1	7-8	12-0	15-10	20-2	24-7	7-8	12-0	15-10	20-2	24-7
	Southern Pine	#2	7-6	11-9	15-6	19-7	23-4	7-6	11-9	14-9	17-6	20-11
	Southern Pine	#3	6-8	11-5	14-9	17-7	20-7	6-0	10-2	13-2	15-9	18-5
	Spruce-Pine-Fir	SS	5-0	8-10	11-3	13-4	15-10	4-6	7-11	10-1	11-11	14-2
	Spruce-Pine-Fir	#1	7-2	11-4	14-11	19-0	23-1	7-2	11-4	14-9	18-0	20-11
	Spruce-Pine-Fir	#2	7-0	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
	Spruce-Pine-Fir	#3	7-0	10-11	13-9	16-10	19-6	6-8	9-9	12-4	15-1	17-6
	Douglas Fir-Larch SS		5-7	8-3	10-5	12-9	14-9	5-0	7-4	9-4	11-5	13-2
	Douglas Fir-Larch #1		7-3	11-4	15-0	19-1	22-6	7-3	11-3	14-2	17-4	20-1
	Douglas Fir-Larch #2		7-0	10-5	13-2	16-1	18-8	6-4	9-4	11-9	14-5	16-8
	Douglas Fir-Larch #3		6-8	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
	Hem-Fir	SS	5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10
	Hem-Fir	#1	6-10	10-9	14-2	18-0	21-11	6-10	10-9	13-11	17-0	19-9
24	Hem-Fir	#2	6-8	10-2	12-10	15-8	18-2	6-2	9-1	11-6	14-0	16-3
	Hem-Fir	#3	6-4	9-7	12-2	14-10	17-3	5-10	8-7	10-10	13-3	15-5
	Southern Pine	SS	5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10
	Southern Pine	#1	7-1	11-2	14-8	18-9	22-10	7-1	11-2	14-8	18-9	22-10
	Southern Pine	#2	7-0	10-11	14-5	17-6	20-11	7-0	10-6	13-2	15-8	18-8
	Southern Pine	#3	6-0	10-2	13-2	15-9	18-5	5-4	9-2	11-9	14-1	16-6
			4-6	7-11	10-1	11-11	14-2	4-0	7-1	9-0	10-8	12-8

	Spruce-Pine-Fir	SS	6-8	10-6	13-10	17-8	20-11	6-8	10-5	13-2	16-1	18-8
	Spruce-Pine-Fir	#1	6-6	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
	Spruce-Pine-Fir	#2	6-6	9-9	12-4	15-1	17-6	5-11	8-8	11-0	13-6	15-7
	Spruce-Pine-Fir	#3	5-0	7-4	9-4	11-5	13-2	4-6	6-7	8-4	10-2	11-10

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2.

TABLE 2308.10.3(6)
RAFTER SPANS FOR COMMON LUMBER SPECIES
(Ground Snow Load = 50 pounds per square foot, Ceiling Attached to Rafters, L/Δ = 240)

RAFTER SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 pounds per square foot					DEAD LOAD = 20 pounds per square foot				
			2 × 4	2 × 6	2 × 8	2 × 10	2 × 12	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
			Maximum rafter spans									
			(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)	(ft - in)
12	Douglas Fir-Larch	SS	7-8	12-1	15-11	20-3	24-8	7-8	12-1	15-11	20-3	24-0
	Douglas Fir-Larch	#1	7-5	11-7	15-3	18-7	21-7	7-5	11-2	14-1	17-3	20-0
	Douglas Fir-Larch	#2	7-3	11-3	14-3	17-5	20-2	7-1	10-5	13-2	16-1	18-8
	Douglas Fir-Larch	#3	5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Hem-Fir	SS	7-3	11-5	15-0	19-2	23-4	7-3	11-5	15-0	19-2	23-4
	Hem-Fir	#1	7-1	11-2	14-8	18-1	21-0	7-1	10-10	13-9	16-9	19-5
	Hem-Fir	#2	6-9	10-8	14-0	17-2	19-11	6-9	10-3	13-0	15-10	18-5
	Hem-Fir	#3	5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Southern Pine	SS	7-6	11-0	15-7	19-11	24-3	7-6	11-10	15-7	19-11	24-3
	Southern Pine	#1	7-5	11-7	15-4	19-7	23-9	7-5	11-7	15-4	18-9	22-4
	Southern Pine	#2	6-10	11-5	15-0	18-2	21-3	6-4	10-11	14-1	16-10	19-9
	Southern Pine	#3	5-2	9-2	11-8	13-9	16-4	4-10	8-5	10-9	12-9	15-2
	Spruce-Pine-Fir	SS	7-1	11-2	14-8	18-9	22-10	7-1	11-2	14-8	18-9	22-4
	Spruce-Pine-Fir	#1	6-11	10-11	14-3	17-5	20-2	6-11	10-5	13-2	16-1	18-8
	Spruce-Pine-Fir	#2	6-11	10-11	14-3	17-5	20-2	6-11	10-5	13-2	16-1	18-8
	Spruce-Pine-Fir	#3	5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
16	Douglas Fir-Larch	SS	7-0	11-0	14-5	18-5	22-5	7-0	11-0	14-5	17-11	20-10
	Douglas Fir-Larch	#1	6-9	10-5	13-2	16-1	18-8	6-7	9-8	12-2	14-11	17-3
	Douglas Fir-Larch	#2	6-7	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Douglas Fir-Larch	#3	5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
	Hem-Fir	SS	6-7	10-4	13-8	17-5	21-2	6-7	10-4	13-8	17-5	20-5
	Hem-Fir	#1	6-5	10-2	12-10	15-8	18-2	6-5	9-5	11-11	14-6	16-10
	Hem-Fir	#2	6-2	9-7	12-2	14-10	17-3	6-1	8-11	11-3	13-9	15-11
	Hem-Fir	#3	5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
	Southern Pine	SS	6-10	10-9	14-2	18-1	22-0	6-10	10-9	14-2	18-1	22-0
	Southern Pine	#1	6-9	10-7	13-11	17-6	20-11	6-9	10-7	13-8	16-2	19-4
	Southern Pine	#2	6-0	10-2	13-2	15-9	18-5	5-6	9-5	12-2	14-7	17-1
	Southern Pine	#3	4-6	7-11	10-1	11-11	14-2	4-2	7-4	9-4	11-0	13-1

	Spruce-Pine-Fir	SS	6-5	10-2	13-4	17-0	20-9	6-5	10-2	13-4	16-8	19-4
	Spruce-Pine-Fir	#1	6-4	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Spruce-Pine-Fir	#2	6-4	9-9	12-4	15-1	17-6	6-2	9-0	11-5	13-11	16-2
	Spruce-Pine-Fir	#3	5-0	7-4	9-4	11-5	13-2	4-8	6-10	8-8	10-6	12-3
	Douglas Fir-Larch SS											
	Douglas Fir-Larch		6-7	10-4	13-7	17-4	20-6	6-7	10-4	13-5	16-5	19-0
	#1		6-4	9-6	12-0	14-8	17-1	6-0	8-10	11-2	13-7	15-9
	Douglas Fir-Larch		6-1	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	#2		4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
	Douglas Fir-Larch #3											
	Hem-Fir	SS	6-2	9-9	12-10	16-5	19-11	6-2	9-9	12-10	16-1	18-8
	Hem-Fir	#1	6-1	9-3	11-9	14-4	16-7	5-10	8-7	10-10	13-3	15-5
19.2	Hem-Fir	#2	5-9	8-9	11-1	13-7	15-9	5-7	8-1	10-3	12-7	14-7
	Hem-Fir	#3	4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
	Southern Pine	SS	6-5	10-2	13-4	17-0	20-9	6-5	10-2	13-4	17-0	20-9
	Southern Pine	#1	6-4	9-11	13-1	16-0	19-1	6-4	9-11	12-5	14-10	17-8
	Southern Pine	#2	5-5	9-4	12-0	14-4	16-10	5-0	8-8	11-2	13-4	15-7
	Southern Pine	#3	4-1	7-3	9-2	10-10	12-11	3-10	6-8	8-6	10-1	12-0
	Spruce-Pine-Fir	SS	6-1	9-6	12-7	16-0	19-1	6-1	9-6	12-5	15-3	17-8
	Spruce-Pine-Fir	#1	5-11	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	Spruce-Pine-Fir	#2	5-11	8-11	11-3	13-9	15-11	5-7	8-3	10-5	12-9	14-9
	Spruce-Pine-Fir	#3	4-7	6-9	8-6	10-5	12-1	4-3	6-3	7-11	9-7	11-2
	Douglas Fir-Larch SS											
	Douglas Fir-Larch		6-1	9-7	12-7	15-10	18-4	6-1	9-6	12-0	14-8	17-0
	#1		5-10	8-6	10-9	13-2	15-3	5-5	7-10	10-0	12-2	14-1
	Douglas Fir-Larch		5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	#2		4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0
	Douglas Fir-Larch #3											
	Hem-Fir	#1	5-9	9-1	11-11	15-12	18-0	5-9	9-1	11-9	14-5	16-8
	Hem-Fir	#2	5-8	8-3	10-6	12-10	14-10	5-3	7-8	9-9	11-10	13-9
24	Hem-Fir	#3	5-4	7-10	9-11	12-1	14-1	4-11	7-3	9-2	11-3	13-0
	Hem-Fir	#4	4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0
	Southern Pine	SS	6-0	9-5	12-5	15-10	19-3	6-0	9-5	12-5	15-10	19-3
	Southern Pine	#1	5-10	9-3	12-0	14-4	17-1	5-10	8-10	11-2	13-3	15-9
	Southern Pine	#2	4-10	8-4	10-9	12-10	15-1	4-6	7-9	10-0	11-11	13-11
	Southern Pine	#3	3-8	6-5	8-3	9-9	11-7	3-5	6-0	7-7	9-0	10-8
	Spruce-Pine-Fir	SS	5-8	8-10	11-8	14-8	17-1	5-8	8-10	11-2	13-7	15-9
	Spruce-Pine-Fir	#1	5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	Spruce-Pine-Fir	#2	5-5	7-11	10-1	12-4	14-3	5-0	7-4	9-4	11-5	13-2
	Spruce-Pine-Fir	#3	4-1	6-0	7-7	9-4	10-9	3-10	5-7	7-1	8-7	10-0

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 47.9 N/m^2

(n) Amend Section 2308.12.8 Sill plate anchorage, by deleting "1716.1" and inserting "1711.1". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-24; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-25 Chapter 24; glass and glazing

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. 25. Chapter 24 is amended as follows: Amend Section 2403.1, Identification, by deleting the text in the first sentence and inserting to read as follows: Each pane shall bear the manufacturer's label designating the type and thickness of the glass or glazing material. The identification shall not be omitted unless approved and an affidavit is furnished by the glazing contractor certifying that each light is glazed in accordance with the provisions of this chapter. Safety glazing shall be identified in accordance with Section 2406.3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-25; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-26 Chapter 26; plastic

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. 26. Chapter 26 is amended as follows: (a) Amend Section 2603.4.1.9, Garage doors, by deleting the exception without substitution.

(b) Amend Section 2603.5.5, Vertical and lateral fire propagation, by renumbering the exception as Exception 1, and adding Exception 2 to read as follows: 2. Buildings with automatic sprinkler systems installed in accordance with Section 903.3.1.1 or 903.3.1.2.

(c) Amend Section 2606.3, Identification, by deleting "satisfactory to" and inserting "approved by".

(d) Amend Section 2606.5, Structural requirements, by deleting the second sentence without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-26; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-27 Chapter 27; electrical

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. 27. Chapter 27 is amended as follows: Delete Chapter 27, Electrical, and insert to read as follows: See the Indiana Electrical Code (675 IAC 17). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-27; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-28 Chapter 28; mechanical 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

Sec. 28. Chapter 28 is amended as follows: Delete Chapter 28, Mechanical Systems, and insert to read as follows: See the Indiana Mechanical Code (675 IAC 18) and the Indiana Fuel Gas Code (675 IAC 25). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-28; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-29 Chapter 29; plumbing 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

Sec. 29. Chapter 29 is amended as follows: (a) Amend Section 2901.1, Scope, by deleting the text and inserting to read as follows: The provisions of this chapter and the Indiana Plumbing Code shall govern the erection, installation, alteration, relocation, remodeling, rehabilitation, maintenance or addition to plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed, and maintained in accordance with the Indiana Plumbing Code.

Exception: Storage buildings that are normally unoccupied, unheated, and used for storage only, where plumbing is not part

of the construction project and plumbing is not otherwise required by the rules of the commission are exempt from this chapter.

(b) Amend Table 2902.1, Minimum number of required plumbing fixtures as follows:

(1) Delete "2902.2" and insert "2902.1.1".

(2) Delete "2902.3" and insert "2902.2".

(3) In number 7 Residential R-3, under "Lavatories Male/Female", delete "10" and insert "dwelling unit".

(4) In the column heading for "Drinking Fountains", add a new footnote "h" after footnote "f".

(5) Add a new footnote "h" at the bottom of the table after footnote "g" to read as follows: h. Where water is served in restaurants free of charge or where bottled water or bottled water coolers are provided in other occupancies free of charge, drinking fountains shall not be required.

(6) In the column heading for "Water Closets" delete "Section 419.2 of the International Plumbing Code" and insert footnote "i".

(7) Add a new footnote "i" at the end of the table after footnote "h" to read as follows: i. Urinals may be substituted for required water closets. In each bathroom or toilet room, urinals shall not be substituted for more than 67 percent (67%) of the required male water closets in assembly and educational occupancies. Urinals shall not be substituted for more than fifty percent (50%) of the required male water closets in all other occupancies.

(8) Under the "male water closets" sub-column on the "A-5" sub-row, delete "75" and insert "100".

(9) Under the "female water closets" sub-column on the "A-5" sub-row, delete "40" and insert "50" and delete "1520" and insert "1500".

(10) Under the "water closets" column on the "I-1" sub-row, delete "10" and insert "15".

(11) Under the "lavatories" column on the "I-1" sub-row, delete "10" and insert "15".

(12) In the column heading for "Drinking Fountains", delete "see section 410.1 of the International Plumbing Code" without substitution.

(13) In the table heading, after "Minimum Number of Required Plumbing Fixtures[a]" add footnote "j".

(14) Add a new footnote "j" at the end of the table after footnote "i" to read as follows: j. Fixtures located in adjacent buildings under the ownership or control of the organization that are available during periods the facility is occupied may be used to comply with required fixture counts.

(c) Amend Section 2902.1.1, Fixture calculations, by renumbering the current exception as Exception 1, and adding Exception 2 to read as follows: 2. The actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design occupant load for fixture calculations. The actual number of occupants for which a parking garage is designed for purposes of this section may be zero (0).

(d) Amend Section 2902.2, Separate facilities, by adding exception 4 to read as follows: 4. Separate employee facilities shall not be required in occupancies in which fifteen (15) or fewer people per shift are employed.

(e) Add a new subsection 2902.2.2, Unisex toilet rooms to read as follows: Unisex toilet rooms shall include only one (1) water closet and only one (1) lavatory. Where a bathing facility is provided within a unisex toilet room, only one (1) shower shall be provided.

Exception: A separate sex toilet room containing not more than two (2) water closets without urinals, or containing only one (1) water closet and one (1) urinal, may be considered a unisex toilet room.

(f) Add a new subsection 2902.2.3, Unisex bathing rooms to read as follows: Unisex bathing rooms shall include one (1) shower fixture. Unisex bathing rooms shall also include one (1) water closet and one (1) lavatory. Where storage facilities are provided for separate-sex bathing facilities, accessible storage facilities shall be provided for unisex bathing rooms.

(g) Amend Section 2902.3, Employee and public toilet facilities as follows:

(1) In the first sentence, delete "intended for public utilization" and insert "utilized as restaurants, night clubs, places of assembly, and retail sales occupancies".

(2) Change "Exception" to read "Exceptions".

(3) Number the "Exception" to read "1.".

(4) Add Exception 2. To read as follows: 2. Public facilities are not required in structures or tenant spaces with an occupant load of less than one hundred fifty (150) and which do not serve food or beverages to be consumed within the structure or tenant space.

(h) Amend Section 2902.3.2, Location of toilet facilities in occupancies other than malls, by deleting the text in the "exception" and inserting to read as follows: The location and maximum travel distances to required employee facilities in factory, industrial, and

warehouse facilities, shall not exceed a distance of 1,000 feet.

(i) Amend Section 2902.3.3 to delete the first sentence and insert as follows: In covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet.

(j) Add a new subsection 2902.3.6, Convenience and function, to read as follows: Fixtures shall be set level and in alignment with reference to adjacent walls.

1. Water closets, lavatories, and bidets: A water closet, lavatory, or bidet shall not be set closer than fifteen (15) inches (three hundred eighty-one (381) millimeters) from its center to any side wall, partition, vanity, or other obstruction, nor closer than thirty (30) inches (four hundred sixty-two (462) millimeters) clearance in front of the water closet or bidet to any wall, fixture, or door. Water closet compartments shall not be less than thirty (30) inches (seven hundred sixty-two (762) millimeters) wide and sixty (60) inches (one thousand five hundred twenty-four (1,524) millimeters) deep. There shall be at least (18) inches (four hundred fifty-seven (457) millimeters) in front of a lavatory to any wall, fixture, or door.

2. Urinals: A urinal shall not be set closer than fifteen (15) inches (three hundred eighty-one (381) millimeters) from the center of the urinal to any sidewall, partition, vanity, or other obstruction, nor closer than (30) inches (seven hundred sixty-two (762) millimeters) center-to-center between urinals.

3. Access: Where access by persons with a disability is required by Chapter 11, accessible toilet and other facilities shall be provided as specified in that chapter.

4. Access for cleaning: Plumbing fixtures shall be installed so as to afford access for cleaning both the fixture and area around the fixture. Unless conditions such as freezing or structural impairment restricts, all pipes from fixtures shall be routed to the nearest wall.

(k) Amend Section 2902.5 to delete the second sentence and insert as follows: Where the tenant space is in a covered or open mall, such distance shall not exceed 500 feet. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-29; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-30 Chapter 30; elevators and conveying 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

Sec. 30. Chapter 30 is amended as follows: (a) Amend Section 3001.2, Referenced standards, by deleting "shall conform to ASME A17.1/CSA B44, ASME A90.1, ASME B20.1, ALI ALCTV, and ASCE 24 for construction in flood hazard areas established in Section 1612.3" and inserting "that are part of a Class 1 structure shall conform to the Indiana Elevator Safety Code (675 IAC 21)".

(b) Amend Section 3001.3, Accessibility, by deleting "1107" and inserting "1007".

(c) Amend Section 3001.4, Change in use, by deleting the text and inserting to read as follows: See the Indiana Elevator Safety Code (675 IAC 21) for any change of use of an elevator.

(d) Add a new Section 3002.4.1 after Section 3002.4 to read as follows: 3002.4.1 Elevator cars to accommodate an ambulance stretcher in buildings three (3) stories or less in height. In buildings of I-1, I-2, I-3, and R-4 occupancies that are three (3) stories or less in height, where an elevator is installed, such elevator shall be installed in accordance with the provisions in Section 3002.4.

(e) Amend Section 3005.3, Conveyors, by deleting the text and inserting to read as follows: Conveyors and conveying systems that are within the scope of Section 101.2 shall comply with ASME B20.1 and Sections 3003.1 and 3005.3.2.

(f) Amend Section 3006.5, Shunt trip as follows:

(1) Delete "6.16.4, Elevator Shutdown" and insert "21.4".

(2) In the last sentence after "of", insert "automatic".

(g) Amend Section 3007.7, Fire service access elevator lobby, by deleting "708.14.1" and inserting "713.14.1".

(h) Amend Section 3008.10 Emergency voice/alarm communication system, by deleting "907.2.12.2" and inserting "907.5.2.2". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-30; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-31 Chapter 31; special 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. 31. Chapter 31 is amended as follows: (a) Amend Section 3103.1.1, Permit required, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and local ordinance.

(b) Amend Section 3103.2, Construction documents, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-6) and local ordinance.

(c) Delete Section 3107.1, General, without substitution.

(d) Amend Section 3109, Swimming pool enclosures and safety devices, by deleting the text and inserting to read as follows: See the Indiana Swimming Pool Code (675 IAC 20). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-31; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014; errata filed Oct 6, 2014, 8:09 a.m.: 20141029-IR-675130339ACA)*

675 IAC 13-2.6-32 Chapter 32; encroachments into the public right-of-way

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. 32. Chapter 32 is amended as follows: Delete Chapter 32, Encroachments Into the Public Right-of-Way, and insert as follows: See local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-32; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-33 Chapter 33; safeguards during 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. 33. Chapter 33 is amended as follows: Delete Chapter 33, Safeguards During Construction, without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-33; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-34 Chapter 34; existing structures

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. 34. Chapter 34 is amended as follows: (a) Amend Section 3401.1, Scope, by deleting the text in the first sentence and inserting to read as follows: The provisions of this chapter shall control the change of occupancy of existing buildings and structures. This chapter shall not be used to convert structures of other than Class 1 to Occupancy Groups A or E.

(b) Amend Section 3401.2, Maintenance, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-9).

(c) Amend Section 3401.3, Compliance, by deleting the title and text, and inserting to read as follows: Restrooms. Any change in occupancy to include Occupancy Groups A and E shall comply with Chapter 29 for fixture count. If additional fixtures are required, they shall be designed and constructed in accordance with, but shall not be required to exceed the requirements of Chapter 11.

(d) Delete Section 3401.4 in its entirety without substitution.

(e) Delete Section 3401.5 in its entirety without substitution.

(f) Delete Section 3401.6 in its entirety without substitution.

(g) Amend Section 3403, Additions, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-12).

(h) Amend Section 3404, Alterations, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-12).

(i) Amend Section 3405, Repairs, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-12).

(j) Amend Section 3408, Change of occupancy, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-11) and Section 1613.5.

(k) Delete Section 3409, Historic buildings, without substitution.

(l) Amend Section 3410, Moved structures, by deleting the text and inserting to read as follows: See the General Administrative Rules (675 IAC 12-4-10).

(m) Delete Section 3411, Accessibility for existing buildings, in its entirety without substitution.

(n) Amend Section 3412, Compliance alternatives, by deleting the title and inserting to read as follows: Evaluation, Processes, and Procedures.

(o) Amend Section 3412.1 Compliance as follows:

(1) Delete "repair, alteration, addition and" and insert "a change of use or".

(2) Delete "Chapters 2 through 33, or Sections 3401.3, and 3403 through 3409" and insert "the rules of the Commission for new construction".

(3) Delete "other provisions of this code" and insert "such rules of the Commission".

(p) Delete the text of Section 3412.2 Applicability, and insert to read as follows: The provisions of this chapter shall apply to existing buildings, or portions thereof, where the proposed new occupancies are in Groups A, B, E, F, M, R, S, and U or within a different division of the same occupancy group. Where a portion of a building undergoes a change of occupancy, the evaluation in accordance with this chapter shall be performed only on the portion undergoing the change of occupancy, provided the requirements of Section 508 are met. These provisions shall not apply to buildings of Group H Occupancies. For institutional occupancies, National Fire Protection Association Standard Number 101A, 2001 Edition, shall be recognized as an alternative means of evaluation for conversion to and for existing buildings of I-1, I-2, and I-4 occupancies.

(q) Delete Sections 3412.2.1, 3412.2.2, 3412.2.3, 3412.2.4, 3412.2.4.1, 3412.2.5, and 3412.3 without substitution.

(r) Amend Section 3412.4.1, Structural analysis, as follows:

(1) Delete in the title, "analysis" and insert "evaluation".

(2) After "owner", insert "or the owner's agent".

(3) Delete "analysis" and insert "evaluation".

(4) Delete "alteration, addition" and insert "change of use".

(5) In the last sentence, before "loads", insert "minimum live".

(s) Amend Section 3412.5, Evaluation, by deleting the text and inserting to read as follows: The evaluation shall be certified by an Indiana registered design professional and be comprised of three categories: fire safety, means of egress, and general safety, as defined in Sections 3412.5.1 through 3412.5.3. All calculations for points taken in Sections 3412.6.1 through 3412.6.19, shall be submitted with the score sheet at the time of permitting.

(t) Amend Section 3412.6, Evaluation process, by deleting the text in the last paragraph and inserting to read as follows: Where the separation between mixed occupancies qualifies for category "A" indicated in Section 3412.6.16, the score for each occupancy shall apply to each portion of the building based on the occupancy of the space. Where the separation between mixed occupancies qualifies for category "B" or "C" indicated in Section 3412.6.16, scoring shall be necessary for only the portion of the building changing occupancy.

(u) Amend Table 3412.6.5, Corridor Wall Values, by deleting all references to footnote "a" without substitution.

(v) Amend Section 3412.6.5.1, Categories, by adding in category c "fire-rated" between "without" and "corridors" and adding a comma and "or where corridors are not required" after "Section 1018".

(w) Amend Section 3412.6.6, Vertical openings, as follows:

(1) Amend the fifth sentence by deleting "708" and inserting "713".

(2) Delete the text in the last sentence and insert to read as follows: The maximum positive value for a non-sprinklered building for this requirement shall be 2. For a building equipped throughout with an automatic sprinkler system in accordance with Section 903.2 in which all vertical openings and shafts comply with sections 712 and 713, the maximum score shall be the product of 2 times the Construction Type Factor.

(x) Amend Section 3412.6.7.1, Categories, at the end of the sentence in Category "e", by inserting "or a multi-zone mini-split system without ductwork connecting two or more stories".

(y) Amend Section 3412.6.10.1, Categories item 6, category f, by deleting "1022.9" and inserting "1022.10".

(z) Amend Section 3412.6.11, Means of egress capacity and number, by adding two sentences at the end of the first paragraph to read as follows: Means of egress from occupancy Groups A and E shall also comply with Sections 1008.1.2 and 1008.1.10 in order to achieve points for any of the categories in 3412.6.11.1. Stairs in a means of egress shall have a minimum tread dimension of 10 inches, measured nosing to nosing, and a maximum riser height of 8 inches in order to achieve points for any of the categories in

3412.6.11.1.

(aa) Amend Section 3412.6.14.1, Categories, at the end of the sentence in category "b", by inserting "or if an elevator is not required by current Indiana Code provisions".

(bb) Amend Section 3412.6.15.1, Categories, by deleting "Chapter 27" in Categories "A" and "B" and inserting "Section 1006.3".

(cc) Amend Section 3412.6.17, Automatic sprinklers, by deleting in the first sentence "903.3.1.1" and inserting "903".

(dd) Amend Table 3412.6.17, Sprinkler System Values, by deleting the "B" from the Occupancy column on row three of the table and adding a new row four with only "B" under the Occupancy column and the tabular values as follows:

TABLE 3412.6.17						
SPRINKLER SYSTEM VALUES						
OCCUPANCY	CATEGORIES					
	a	b	c	d	e	f
B	-4	-2	0	3	6	12

(ee) Amend Table 3412.6.19 Incidental Use Area Values as follows:

(1) Delete "508.2.5" after "Protection Required by Table" and insert "509".

(2) Delete footnote "a" after "values".

(3) Delete footnote "a" under Table 3412.6.19 and retain text.

(4) Delete "508.2.5" in footnote after "Section" and insert "509.4.2".

(ff) Delete Table 3412.8 MANDATORY SAFETY SCORES and insert the following table:

MANDATORY SAFETY SCORES			
OCCUPANCY	FIRE SAFETY (MFS)	MEANS OF EGRESS (MME)	GENERAL SAFETY (MGS)
A-1	16	27	27
A-2	19	30	30
A-3	18	29	29
A-4, E	23	34	34
B	24	34	34
F	20	30	30
M	19	36	36
R	17	34	34
S-1	15	25	25
S-2	23	33	33

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-34; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014; errata filed Oct 6, 2014, 8:09 a.m.: 20141029-IR-675130339ACA)

675 IAC 13-2.6-35 Chapter 35; referenced standards

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. 35. Chapter 35 is amended as follows: (a) Amend the first paragraph by deleting "Section 102.4" and inserting "Section 101.3".

(b) Delete the following referenced standards without substitution:

(1) ASCE 24-05.

(2) ASME A17.1 2007/CSA.

(3) ASME A90.1-09.

(4) NFPA 11-10.

(5) NFPA 12-11.

(6) NFPA 14-10.

(7) NFPA 17-09.

(8) NFPA 17A-09.
(9) NFPA 2001-08.
(c) Delete Chapter 5 of ICC 300 (Standard on Bleachers, Folding and Telescopic Seating, and Grandstands) without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-35; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

675 IAC 13-2.6-36 Appendices

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. 36. Appendices are amended as follows: (a) Delete Appendix A, Employee Qualifications.
(b) Delete Appendix B, Board of Appeals.
(c) Delete Appendix C, Group U Agricultural Buildings.
(d) Delete Appendix D, Fire Districts.
(e) Delete Appendix E, Supplementary Accessibility Requirements.
(f) Delete Appendix F, Rodent Proofing.
(g) Delete Appendix G, Flood-Resistant Construction.
(h) Delete Appendix H, Signs.
(i) Delete Appendix I, Patio Covers.
(j) Delete Appendix J, Grading.
(k) Delete Appendix K, Administrative Provisions.
(l) Delete Appendix L, Earthquake Recording Instrumentation.
(m) Delete Appendix M, Tsunami-Generated Flood Hazard. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.6-36; filed Aug 1, 2014, 11:12 a.m.: 20140827-IR-675130339FRA, eff Dec 1, 2014)*

Rule 3. Indiana Building Code Standards *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989)

Rule 3.1. Indiana Building Code Standards *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993)

Rule 3.2. Indiana Building Code Standards, 1993 Edition *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908)

Rule 4. Handicapped Accessibility Code *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Dec 15, 1989, 5:05 p.m.: 13 IR 896)

Rule 4.1. Indiana Handicapped Accessibility Code, Second Edition *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)

Rule 4.2. American National Standard A117.1-1986 *(Repealed)*

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)

*