TITLE 675 FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Final Rule
LSA Document #09-388(F)

DIGEST

Adds 675 IAC 19-4, which adopts by reference and amends the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. Standard 90.1, 2007 Edition, as the Indiana Energy Conservation Code, 2010 Edition. Repeals 675 IAC 19-3. Effective 30 days after filing with the Publisher.

675 IAC 19-3; 675 IAC 19-4

SECTION 1. 675 IAC 19-4 IS ADDED TO READ AS FOLLOWS:

Rule 4. 2010 Indiana Energy Conservation Code

675 IAC 19-4-1 Adoption by reference

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 1. That certain document, being titled the Energy Standard for Buildings Except Low-Rise Residential Buildings, I-P Edition, ANSI/ASHRAE 90.1, 2007 Edition, published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. 1791 Tullie Circle NE, Atlanta, Georgia 30329, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in sections 2 through 11 of this rule.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-1; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-2 Section 2 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 2. Section 2 is amended as follows:
(1) In Subsection 2.1a., delete item 3 without substitution.
(2) In Subsection 2.3a., delete "multi-family structures of three stories or fewer above grade" and substitute "two-family dwellings".
(3) Amend Subsection 2.3c. by deleting the text and substituting as follows: "building systems and equipment dedicated to manufacturing processes where operating requirements are primarily intended for the manufactured product or process and not for human comfort.".

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-2; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-3 Section 3 amendments

Authority: IC 22-13-2-2
Affected: IC 10-19-7; IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9; IC 36-8-17-9

Sec. 3. Section 3 is amended as follows:
(1) Amend Section 3.1, in the last sentence, to delete "accepted by the adopted authority" without substitution.
(2) Amend Section 3.2 Definitions as follows:
(A) Insert the definition of "approved" as follows: "Approved means as to materials, equipment,

design, and types of construction, acceptance by the code official by one (1) of the following methods:
(i) Investigation or tests conducted by recognized authorities; or
(ii) Investigation or tests conducted by technical or scientific organizations; or
(iii) Accepted principles.
The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for the intended purpose.".
(B) Delete the definition of "authority having jurisdiction" and insert "see code official".
(C) Delete the definition of "building official" and insert "see code official".
(D) Delete the definition of "code official" and insert "means the division, the local building official as authorized under IC 36-7-2-9 and local ordinance or the fire department as authorized under IC 36-8-17-9".
(E) Delete the definition of "design professional" and insert "See 675 IAC 12-6-9".
(F) Delete the definition of "labeled" and insert "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".
(G) Insert the definition of "division" as follows: "Division" means the division of fire and building safety created pursuant to IC 10-19-7.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-3; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-4 Section 4 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 4. Amend Section 4 as follows:
(1) Amend Section 4.1.1.3 to insert at the end of the sentence, "if a construction design release is required for the alterations".
(2) Delete Section 4.1.1.4 in its entirety without substitution.
(3) Delete Section 4.1.1.5 in its entirety without substitution.
(4) Amend Section 4.1.2 to delete the text and insert "see 675 IAC 12".
(5) Amend Section 4.1.3 to delete the text and insert "see 675 IAC 12-6-11".
(6) Delete Section 4.1.4 in its entirety without substitution.
(7) Delete Section 4.1.5 in its entirety without substitution.
(8) Delete Section 4.1.5 in its entirety without substitution.
(9) Amend Section 4.2.1.2 to delete the exception without substitution.
(10) Amend Section 4.2.1.3, exception b, to delete "of any calculation methods acceptable to the authority having jurisdiction" and insert "acceptable calculation methods approved by the division".
(11) Amend Section 4.2.2 to delete the text and insert "see 675 IAC 12-6".
(12) Delete Section 4.2.2.2 in its entirety without substitution.
(13) Amend Section 4.2.3 to read as follows: " Materials and equipment shall be labeled in an approved manner.".
(14) Delete Section 4.2.4 without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-4; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-5 Section 5 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 5. Amend Section 5 as follows:
(1) Amend Section 5.1.2.2 to delete everything after the word "construction" and insert "in accordance with the rules of the Commission at 675 IAC 12-4-7".

(2) Delete Section 5.1.2.3 in its entirety without substitution.
(3) Delete Section 5.1.4.2 in its entirety without substitution.
(4) Delete Section 5.7 in its entirety and substitute as follows:
5.7 Submittals compliance; alternative methods and materials
5.7.1 For construction projects filed for which a design professional is required under 675 IAC 12-6-9(a) and where energy conservation details are required by 675 IAC 12-6-7(g)(15), one of the following, sealed and signed by the design professional, shall be submitted:
(a) A Compliance Report, from an accepted computer compliance tool such as ComCheck (www.energycodes.gov/comcheck/) or other prescriptive compliance software or other methods approved by the Division, demonstrating compliance with the requirements of the Indiana Energy Conservation Code, 2010 edition (675 IAC 19-4).
(b) A report from a comprehensive energy modeling program and an affidavit signed and sealed by the design professional affirming that the tools used to simulate the design energy performance indicate that the submitted design will meet or exceed the requirements of the Indiana Energy Conservation Code, 2010 edition (675 IAC 19-4).
5.7.2 For construction projects filed for which a design professional is not required under 675 IAC 12-7-9(a) *[sic]* **and where energy conservation details are required by 675 IAC 12-6-7(g)(15), one of the following shall be submitted:**
(a) A Compliance Report, from an accepted computer compliance tool such as ComCheck (www.energycodes.gov/comcheck/) or other prescriptive compliance software or other methods approved by the Division, demonstrating compliance with the requirements of the Indiana Energy Conservation Code, 2010 edition (675 IAC 19-4).
(b) A report from a comprehensive energy modeling program and an affidavit signed and sealed by a registered design professional affirming that the tools used to simulate the design energy performance indicate that the submitted design will meet or exceed the requirements of the Indiana Energy Conservation Code, 2010 edition (675 IAC 19-4).
5.7.3 Compliance reports filed to comply with 5.7.1(b) and 5.7.2(b) must be performed by software that complies with the provisions of Appendix G of this rule.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-5; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-6 Section 6 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 6. Amend Section 6 as follows:
(1) Amend Section 6.4.3.1.2, Exception b, by deleting the text and substituting as follows: Special occupancy or special applications where wide temperature ranges are not acceptable (such as production clean rooms, labs, museums, some areas of hospitals).
(2) Delete Section 6.4.3.7, Exception b, without substitution.
(3) Amend Section 6.4.4.1.3, Exception b, by inserting, after "inclusive", "or piping that has temperatures at least 2°F above the space dew point temperature".
(4) Delete Section 6.4.4.2.2 in its entirety without substitution.
(5) Amend Table 6.4.4.2A by amending the heading in the fourth column to read "Return and Outside".
(6) Amend Section 6.5.1 to add Exception j as follows: j. Specialty industrial/lab/hospital areas where strict zone air pressure controls are employed.
(7) Amend Subsection 6.5.2.2.2a. to delete "15°F" and insert "4°F".
(8) Amend Subsection 6.5.2.3d. to insert, after "surgical suites", "specialty labs and clean rooms". Delete the last sentence without substitution.
(9) Amend Section 6.5.3.2.2 to add an exception as follows: Exception: Systems used for lab manifold exhaust where positioning of the static pressure sensor(s) in locations required in this section creates additional calibration, testing, and troubleshooting tasks that would not otherwise have to be performed.
(10) Amend Section 6.5.6.1, Exception c, to add, after "fumes", "gases, vapors, mists, or particulates".
(11) Amend Section 6.5.6.1 to add a new Exception j as follows: j. Specialty industrial/lab/hospital areas where strict zone air pressure controls are employed.
(12) Amend Section 6.5.6.2.2 to add a new Exception c as follows: c. Facilities that connect to existing service hot water systems meeting the exception in Section 7.1.1.2.

(13) Amend Subsection 6.5.7.2a. to add an exception as follows: Exception: VAV control of all lab rooms is not required if thermal or health and safety criteria mandate constant volume control.
(14) Amend Subsection 6.5.7.2b. to delete "no humidification added".
(15) Amend Section 6.7.1 to delete "authority having jurisdiction" and insert "division".
(16) Delete Section 6.7.2 in its entirety without substitution.
(17) Amend the title of Table 6.8.2A to amend the heading "Supply Ducts" to read "Supply and Outside Air Ducts".
(18) Amend the title of Table 6.8.2B to amend the heading "Supply Ducts" to read "Supply and Outside Air Ducts".

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-6; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-7 Section 7 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 7. Amend Section 7 as follows:
(1) Delete Section 7.1.1.3 in its entirety without substitution.
(2) Amend Section 7.4.1 to delete all of the text after the words "engineering standards" without substitution.
(3) Amend Subsection 7.5.1b. to delete the text and insert, "A nationally recognized standard shows that the use of a single heat source will consume less energy than separate units.".
(4) Delete Section 7.7 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-7; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-8 Section 8 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 8. Amend Section 8 as follows: Delete Section 8.7 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-8; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-9 Section 9 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 9. (a) Amend Section 9.1.1 to add Exception e and Exception f as follows:
e. Specialty lighting used in research areas that has material effects on test data.
f. Specialty lighting required for high security video monitoring.

(b) Amend Section 9.4.2 to add Exception g as follows: g. Luminaires serving special lab or production areas requiring extraordinary light levels for quality assurance.

(c) Amend Section 9.4.5 to add Exception j as follows: j. Lighting intended to highlight exterior features due to high security concerns. NOTE: The item "c." that appears to follow Exception (h) in the text of Exceptions to Section 9.4.5 actually is part of the text of the adjacent section of the printed text, Section 9.5.1.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-9; filed Apr 6, 2010, 2:55 p.m.:

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675 IAC 19-4-10 Section 10 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 10. Amend Section 10 as follows: Delete Section 10 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-10; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

675 IAC 19-4-11 Section 11 amendments

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 36-7-2-9

Sec. 11. Amend Section 11 as follows: Delete Section 11 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; 675 IAC 19-4-11; filed Apr 6, 2010, 2:55 p.m.: 20100505-IR-675090388FRA)

SECTION 2. 675 IAC 19-3 IS REPEALED.

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Documents Incorporated by Reference: Energy Standard for Buildings Except Low-Rise Residential Buildings, I-P Edition, ANSI/ASHRAE Standard 90.1, 2007 Edition
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