

- (8) Amend Section 15.6.2, Stacks and Chimneys, by adding, after "chimney", "within the scope of Section 101.2".
- (9) Delete Section 15.6.6, Telecommunication Towers, without substitution.
- (10) Amend Section 15.6.3, Amusement Structures, by adding, after "structures", "within the scope of Section 101.2".
- (11) Amend Section 15.6.4, Special Hydraulic Structures, by adding, after "structures", "within the scope of Section 101.2".
- (12) Delete Section 15.7.11.2, ASME Boilers and Pressure Vessels, without substitution.

(f) Amend Chapter 17 as follows:

- (1) Amend Section 17.1, General, by adding, after "structure", "within the scope of Section 101.2".
- (2) Amend Section 17.2.4.8, Inspection and Replacement, by deleting the text and substituting to read as follows: Access for inspection and replacement of all components of the isolation system shall be provided.
- (3) Delete Section 17.2.4.9, Quality Control, without substitution.
- (4) Amend Section 17.2.5.3 by adding, after "structures", "within the scope of Section 101.2".
- (5) Amend Section 17.6.4.4, Drift Limits, by deleting the text after "Section 17.5.4.2" without substitution.
- ~~(6) Appendix 11B; existing building provisions is amended to delete 11B.5 Change of use without substitution.~~
- (6) The appendices are not adopted as part of this rule.**

(Fire Prevention and Building Safety Commission; [675 IAC 13-2.5-34](#); filed Mar 18, 2008, 2:34 p.m.: [20080423-IR-675070476FRA](#), eff 90 days after filing with the Publisher; errata filed Jul 3, 2008, 8:10 a.m.: [20080716-IR-675070476ACA](#); filed Oct 27, 2009, 2:36 p.m.: [20091125-IR-675090186FRA](#); filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 7. [675 IAC 18-1.5-3](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 18-1.5-3](#) Chapter 2; definitions

Authority: [IC 22-13-2-2](#)

Affected: [IC 10-19-2](#); [IC 22-12-2-1](#); [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 25-4](#); [IC 25-31](#); [IC 36-7-2-9](#); [IC 36-8-17-9](#)

Sec. 3. In Chapter 2, make the following changes:

- (1) Delete the text of Section 201.3 in its entirety and substitute as follows: Where terms are not defined in this code and are defined in the Indiana Building Code ([675 IAC 13](#)), Indiana Electrical Code ([675 IAC 17](#)), Indiana Fire Code ([675 IAC 22](#)), Indiana Fuel Gas Code ([675 IAC 25](#)), or Indiana Plumbing Code ([675 IAC 16](#)), such terms shall have the meanings ascribed to them as in those codes.
- (2) Insert Section 201.3.1 to read as follows: 201.3.1. Terms defined in other codes.
 - ICC ELECTRICAL CODE refers to the INDIANA ELECTRICAL CODE ([675 IAC 17](#)).
 - INTERNATIONAL BUILDING CODE refers to the INDIANA BUILDING CODE ([675 IAC 13](#)).
 - INTERNATIONAL ENERGY CONSERVATION CODE refers to the INDIANA ENERGY CONSERVATION CODE ([675 IAC 19](#)).
 - INTERNATIONAL FIRE CODE refers to the INDIANA FIRE CODE ([675 IAC 22](#)).
 - INTERNATIONAL FUEL GAS CODE refers to the INDIANA FUEL GAS CODE ([675 IAC 25](#)).
 - INTERNATIONAL PLUMBING CODE refers to the INDIANA PLUMBING CODE ([675 IAC 16](#)).
- (3) Amend the definition of APPLIANCE, EXISTING to read as follows: APPLIANCE, EXISTING. Any appliance regulated by this code which was legally installed prior to the effective date of this code.
- (4) Amend the definition of APPROVED to read as follows: APPROVED. As to materials, equipment, design, and types of construction, acceptance by the code official by one (1) of the following methods:
 - (1) Investigation or tests conducted by recognized authorities; or
 - (2) Investigation or tests conducted by technical or scientific organizations; or
 - (3) Accepted principles.The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for the intended purpose.
- (5) Insert the definition for BUILDING CODE to read as follows: BUILDING CODE means the Indiana Building Code.
- (6) Delete the definition of CODE.
- (7) Amend 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 local ordinance; or the fire department as authorized under [IC 36-8-17-9](#).

- (8) Delete the definition of COMMERCIAL COOKING APPLIANCES and substitute to read as follows: COMMERCIAL COOKING APPLIANCES. Commercial and residential appliances used for heating or cooking food that produces grease, grease-laden vapors, steam, fumes, smoke, or odors that are required to be removed through a Type I or Type II exhaust ventilation system. Such appliances include: deep fat fryers; upright broilers; griddles; broilers; steam-jacketed kettles; hot-top ranges; under-fired broilers (char broilers); ovens; barbecues; rotisseries; and similar appliances.
- (9) Insert the definition for COMMISSION to read as follows: COMMISSION is the Indiana Fire Prevention and Building Safety Commission as set forth at [IC 22-12-2-1](#).
- (10) Delete the definition of COMPENSATING HOODS.
- (11) Amend the definition of CONSTRUCTION DOCUMENTS to read as follows: CONSTRUCTION DOCUMENTS. 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](#)).
- (12) Insert the definition for 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](#).
- (13) Amend the definition of DWELLING UNIT to read as follows: DWELLING UNIT is 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.
- (14) Insert the definition for ELECTRICAL CODE to read as follows: ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (15) Amend the definition of EQUIPMENT, EXISTING to read as follows: EQUIPMENT, EXISTING. Any equipment regulated by this code which was legally installed prior to the effective date of this code.
- (16) Insert the definition for FIRE CODE to read as follows: FIRE CODE means the Indiana Fire Code.
- (17) Insert the definition for FIRE PREVENTION CODE to read as follows: FIRE PREVENTION CODE. Refer to the INDIANA BUILDING CODE ([675 IAC 13](#)) and the INDIANA FIRE CODE ([675 IAC 22](#)).
- (18) Insert the definition for INDIANA BUILDING CODE to read as follows: INDIANA BUILDING CODE means the rules adopted at [675 IAC 13](#) in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (19) Insert the definition for INDIANA ELECTRICAL CODE to read as follows: INDIANA ELECTRICAL CODE means the rules adopted at [675 IAC 17](#) in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (20) Insert the definition for INDIANA ENERGY CONSERVATION CODE to read as follows: INDIANA ENERGY CONSERVATION CODE means the rules adopted at [675 IAC 19](#) in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (21) Insert the definition for INDIANA FIRE CODE to read as follows: INDIANA FIRE CODE means the rules adopted at [675 IAC 22](#) in effect in Indiana at the time of inspection by the code official or, with respect to construction required to be filed under [675 IAC 12-6](#), [675 IAC 22](#) in effect at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (22) Insert the definition for INDIANA FUEL GAS CODE to read as follows: INDIANA FUEL GAS CODE means the rules adopted at [675 IAC 25](#) in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (23) Insert the definition for INDIANA PLUMBING CODE to read as follows: INDIANA PLUMBING CODE means the rules adopted at [675 IAC 16](#) (or the applicable rules of the predecessor to the commission) in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.
- (24) Insert the definition for INSPECTION AUTHORITY to read as follows: INSPECTION AUTHORITY. See CODE OFFICIAL.
- (25) Amend the definition for LABELED 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.
- (26) Amend the definition for LIGHT-DUTY COOKING APPLIANCE to read as follows: LIGHT-DUTY COOKING APPLIANCE. Light-duty cooking appliances include gas and electric ovens (including standard, bake, roasting, revolving, retherm, convection, combination convection/steamer, conveyor, deck or deck-style pizza, and pastry), electric and gas steam-jacketed kettles, electric and gas pasta cookers, electric and gas compartment steamers (both pressure and atmospheric), and electric and gas cheese melters.
- (27) Amend the definition for LISTED 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.

- (28) Insert the definition for MECHANICAL CODE to read as follows: MECHANICAL CODE means the Indiana Mechanical Code.
- (29) Amend the definition for MECHANICAL JOINT to read as follows: MECHANICAL JOINT. A connection between pipes, fittings, or pipes and fittings, which is neither screwed, caulked, threaded, soldered, solvent cemented, brazed, nor welded. Also, a joint in which compression is applied along the centerline of the pieces being joined. Some joints are part of a coupling, fitting, or adapter. These joints include both the press-type and push-fit joining system.
- (30) Amend the definition for MEDIUM-DUTY COOKING APPLIANCE to read as follows: MEDIUM-DUTY COOKING APPLIANCE. Medium-duty cooking appliances include electric discrete element ranges (with or without oven), electric and gas hot-top ranges, electric and gas griddles, electric and gas double-sided griddles, electric and gas fryers (including open deep fat fryers, donut fryers, kettle fryers, and pressure fryers), electric and gas conveyor pizza ovens, electric and gas tilting skillets (braising pans), and electric and gas rotisseries.
- (31) Insert the definition for NFPA 70 to read as follows: NFPA 70, National Electrical Code means the Indiana Electrical Code ([675 IAC 17](#)).
- (32) Amend the definition of OCCUPANCY to read as follows: OCCUPANCY CLASSIFICATION. Occupancy classification shall be as specified in the Building Code in effect at the time of construction, alteration, or change of occupancy.
- (33) Insert the definition for PLUMBING CODE to read as follows: PLUMBING CODE means the Indiana Plumbing Code.
- (34) Insert the definition for PUSH-FIT JOINTS to read as follows: PUSH-FIT JOINTS. A type of mechanical joint consisting of elastometric seals and corrosion resistant tube grippers. Such joints are permanent or removable depending on the design.
- (35) Insert the definition for QUALIFIED INDIVIDUAL to read as follows: QUALIFIED INDIVIDUAL is a person who has documentation evidencing that he/she successfully completed instruction related to the equipment being installed, serviced, or repaired, and has provided such documentation to the Code Official upon request.
- (36) Amend the definition of REGISTERED DESIGN PROFESSIONAL to read as follows: REGISTERED DESIGN PROFESSIONAL. An architect who is registered under [IC 25-4](#) or professional engineer 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.
- (37) Amend the definition of UNUSUALLY TIGHT CONSTRUCTION by deleting "402.4.2" and substituting "502.4".**

(Fire Prevention and Building Safety Commission; [675 IAC 18-1.5-3](#); filed Mar 18, 2008, 2:22 p.m.: [20080423-IR-675070477FRA](#), eff 90 days after filing with the Publisher; filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 8. [675 IAC 18-1.5-5](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 18-1.5-5](#) Chapter 4; ventilation

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 5. (a) Delete Section 401.6, Contaminant sources.

(b) In Section 401.1, amend to read as follows: 401.1 Scope. This chapter shall govern the ventilation of spaces within a building intended to be occupied. Mechanical exhaust systems, including exhaust systems serving clothes dryers and cooking appliances; hazardous exhaust systems; dust, stock, and refuse conveyor systems; slab soil exhaust systems; smoke control systems; energy recover ventilation systems; and other systems specified in Section 502 shall comply with Chapter 5.

(c) In Section 401.4.1, delete "The exhaust from a bathroom or kitchen in" and insert "Environmental air exhausted from".

(d) Delete Section 406.1, General, and insert the following: Uninhabited spaces, such as crawl spaces and attics, shall be provided with natural ventilation openings as required by the Indiana Building Code ([675 IAC 13](#)).

(e) In Section 406.1, delete "be automatically controlled to operate when the relative humidity in the space served exceeds 60 percent" and insert "operate continuously".

(Fire Prevention and Building Safety Commission; [675 IAC 18-1.5-5](#); filed Mar 18, 2008, 2:22 p.m.: [20080423-IR-675070477FRA](#), eff 90 days after filing with the Publisher; filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 9. [675 IAC 18-1.5-6](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 18-1.5-6](#) Chapter 5; exhaust systems

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 6. **(a) Amend Section 501.1 to read as follows: This chapter shall govern the design, construction, and installation of mechanical exhaust systems, including dust, stock and refuse conveyor systems, exhaust systems serving commercial cooking appliances, and energy recovery ventilation systems within the scope of Section 101.2.**

~~(a)~~ **(b)** In Section 501.2.1, amend items 3 and 4 to read as follows:

3. Environmental air duct exhaust terminations shall comply with Section 401.4.

Exception: Exhaust from bathrooms and kitchens in residential dwellings complying with Section 401.4.1.

4. For specific systems see the following sections:

4.1 Clothes dryer exhaust, Section 504.4;

4.2 Kitchen hoods and other kitchen exhaust equipment, Sections 506.3.12, 506.4, and 506.5;

4.3 Dust, stock, and refuse conveying systems, Section 511.2;

4.4 Subslab soil exhaust systems, Section 512.4; and

4.5 Smoke control systems, Section 513.10.3.

(c) Amend Section 502.8.3 to read as follows: 506.3.3.1 Grease duct test. A test shall be performed for the entire duct system, including the hood to duct connection. The ductwork shall be permitted to be tested in sections, provided that every joint is tested.

~~(b)~~ **(d)** In Section 504.6.1, insert, after the last sentence in the exception, "Where exhaust ducts are installed in concealed locations, the developed length of the exhaust duct system shall be indicated by permanent labels or tags installed in an observable location."

~~(e)~~ **(e)** In Section 505.1, Exception 2, insert "and fittings" after "pipe".

~~(d)~~ **(f)** Insert Section 505.2 to read as follows: 505.2 Makeup air required. Exhaust hood systems capable of exhausting in excess of 400 cfm shall be provided with makeup air at a rate approximately equal to the exhaust air rate. Such makeup air systems shall be equipped with a means of closure and shall be automatically controlled to start and operate simultaneously with the exhaust system.

~~(e)~~ **(g)** Amend Section 506.3.1.1 exception to read as follows: Exception: Factory-built commercial kitchen grease ducts listed and labeled in accordance with UL 1978 and installed in accordance with Section 304.1.

(h) Add Section 506.3.1.3 to read as follows: 506.3.1.3 Supply fire dampers. A fire-actuated damper shall be installed in the supply air plenum at each point where a supply air duct inlet or a supply air outlet penetrates the continuously welded shell of the assembly. The damper shall be constructed of at least the same gauge as the shell. The fire damper shall be specifically listed for such use, or as part of a listed exhaust hood with or without exhaust dampers.

Exception: Supply air plenums that discharge air from their face rather than from the bottom or into the exhaust hood that are isolated from the exhaust hood by a continuously welded shell extending to the lower outermost perimeter of the entire hood assembly shall not require a fire-actuated damper.

(f) **(i)** Amend Section 506.3.6 exception to read as follows: Exception: Factory-built commercial kitchen grease ducts listed and labeled in accordance with UL 1978 and listed and labeled exhaust equipment installed in accordance with Section 304.1.

(j) Amends Section 506.3.8 by adding a sentence to read as follows: Access doors shall have a gasket or sealant that is rated for 815.6°C (1500°F) and shall be grease tight.

(k) Amend the first sentence of Section 506.3.9 to read as follows: Cleanouts located on horizontal sections of ducts shall be spaced not more than 20 feet (6,096 mm) apart and at change of direction.

(g) **(l)** Delete Section 506.3.10 and substitute as follows: 506.3.10 Grease duct enclosure. A grease duct serving a Type I hood that penetrates a **fire-resistance-rated** ceiling, wall, or floor **assembly** shall be enclosed from the point of penetration to the outlet terminal. A duct shall penetrate exterior walls only at locations where unprotected openings are permitted by the International Building Code. The duct enclosure shall serve a single grease exhaust duct system and shall not contain any other ducts, piping, wiring, or systems.

(h) **(m)** Insert Section 506.3.10.1 as follows: 506.3.10.1. Grease duct protection. Where the surface of the duct is continuously covered on all sides with a grease duct protection system from the point at which the duct penetrates a ceiling, wall, or floor to the outlet terminal, such grease duct protection systems shall be a classified and labeled material, system, method of construction, or product specifically evaluated for such purpose and approved by the code official.

Exceptions:

1. Prefabricated grease duct enclosure assemblies, which incorporate protection on all sides from the point at which the duct penetrates a ceiling, wall, or floor to the outlet terminal with a classified and labeled prefabricated system specifically evaluated for such purposes in accordance with UL 2221.
2. Ducts enclosed in accordance with the ~~International~~ **Indiana** Building Code requirements for shaft construction, provided such duct enclosures are sealed around the duct at the point of penetration and vented to the outside of the building through the use of weather-protected openings. Clearance from the duct to the interior surface of enclosures of combustible construction shall be not less than 18 inches (457 mm). Clearance from the duct to the interior surface of enclosures of noncombustible construction or gypsum wallboard attached to noncombustible structures shall be not less than 6 inches (152 mm).

(i) **(n)** Insert Section 506.3.10.2 as follows: 506.3.10.2. Grease duct penetrations. Duct penetrations shall be protected with a through-penetration firestop system classified in accordance with ASTM E814 and having an "F" and "T" rating equal to the fire-resistance rating of the assembly being penetrated.

(j) **(o)** Insert Section 506.3.10.3 as follows: 506.3.10.3. Protection of duct wrap systems. Exposed duct wrap systems shall be protected where subject to physical damage.

(k) **(p)** Insert Section 506.3.10.4 as follows: 506.3.10.4. Penetrations of nonfire resistance-rated assemblies. A duct enclosure shall not be required for a grease duct that penetrates only a nonfire-resistance-rated roof/ceiling assembly.

(l) **(q)** Amend Section 506.3.12.3 by deleting "and air intake openings into any building" and inserting at the end of the paragraph "Exhaust outlets shall be located not less than 10 feet (3,048 mm) horizontally from or not less than 3 feet (910 mm) above air intake openings into any building. Exhaust outlet terminations shall not be directed towards nor impinge on any structure."

(m) **(r)** Amend Section 507.2 by deleting "and 507.2.2" and inserting ", 507.2.2, and Table 507.2" after "507.2.1"; and inserting an exception to read as follows: Exception: This section does not apply to dwelling units in multi-family dwellings.

(n) **(s)** Insert Table 507.2 as follows:

TYPE OF COOKING

COMMERCIAL GRADE					
APPLIANCE	FREQUENCY	WARMING	COOKING ^{a, b}	FRYING ^d	DISHWASHING ^a
Restaurants, schools, hospitals, nursing homes, and other similar facilities.	once a week or less	N/A	Type II or Type I ^c	Type I	Type II
	more than once a week	N/A	Type II or Type I ^c	Type I	Type II
Churches and day cares.	once a week or less	N/A	N/A	Type I	Type II
	more than once a week	N/A	Type II or Type I ^c	Type I	Type II

RESIDENTIAL GRADE					
APPLIANCE	FREQUENCY	WARMING	COOKING ^{a, b}	FRYING ^d	DISHWASHING ^a
Restaurants, schools, hospitals, nursing homes, and other similar facilities.	once a week or less	N/A	Type II or Type I ^c	Type I	N/A
	more than once a week	N/A	Type II or Type I ^c	Type I	N/A
Churches, day cares, and breakrooms.	once a week or less	N/A	N/A	N/A	N/A
	more than once a week	N/A	Type II or Type I ^c	Type I	N/A

N/A Not applicable

^aA Type II hood is not required where the additional heat, steam, and products of combustion are accounted for in the design of the HVAC system (See Section 507.2.2.).

^bCooking that produces steam, fumes, smoke, or odors.

^cCooking that produces grease or grease-laden vapors.

^dFrying that produces grease or grease-laden vapors.

(e) (t) Amend Section 507.2.1 by inserting "grease-laden vapors," between "grease," and "or".

(p) (u) Delete Exception 4 in Section 507.2.2 and substitute as follows: 4. A Type II hood is not required for countertop electrically heated appliances such as: toasters, steam tables, popcorn poppers, hot dog cookers, coffee makers, rice cookers, egg cookers, and holding/warming ovens. The additional heat and moisture loads generated by such appliances shall be accounted for in the design of the HVAC system.

(q) (v) Amend Section 507.2.2 by inserting Exception 5 as follows: 5. A Type II hood is not required where the additional heat, steam, and products of combustion are accounted for in the design of the HVAC system.

(r) (w) Delete Section 507.2.3 without substitution.

(x) Amend Section 507.11 by adding a sentence to read as follows: Mesh filters shall not be used.

(s) (y) Amend Section 508.1 by deleting "exhaust and makeup air systems shall be electrically interlocked to ensure that makeup air is provided whenever the exhaust system is in operation." and substituting "makeup air system shall be automatically controlled to start and operate simultaneously with the exhaust system.".

(t) (z) Amend Section 508.2 by inserting an exception as follows: Exception: Compensating hoods with makeup air supplied only from front face discharge and side face discharge openings shall not be required to be labeled with the maximum makeup airflow.

~~(#)~~ **(aa)** Amend Section 509 by inserting the following:

509.2 Approved fire-extinguishing equipment shall be provided for the protection of all Type I hoods. Portable fire extinguishers shall be provided in the kitchen for the protection of the cooking equipment.

509.3 Approved fire-extinguishing equipment shall be provided to protect cooking appliances, such as deep fat fryers, griddles, upright broilers, char broilers, grease-burning char broilers, range tops, and grills. Protection shall also be provided for the enclosed plenum space within the hood above the filters and in the exhaust ducts serving the hood.

509.4 See Section 903.2.12.2 of the Indiana Building Code.

~~(#)~~ **(bb)** Amend Section 510.4 by deleting "Contaminated air shall not be recirculated to occupied areas, unless the contaminants have been removed. Air contaminated with explosives or flammable vapors, fumes or dusts; flammable, highly toxic or toxic gases; or radioactive material shall not be recirculated." and substituting "Contaminated air shall not be recirculated to occupiable areas. Air containing explosive or flammable vapors, fumes or dusts; flammable, highly toxic or toxic gases; or radioactive material shall be considered to be contaminated."

(cc) Amend Section 510.6.3 to read as follows: **510.6.3 Wall assemblies. Hazardous exhaust duct systems that penetrate fire-resistance-rated wall assemblies shall be enclosed in fire-resistance-rated construction from the point of penetration to the outlet terminal. Ducts shall be enclosed in accordance with the International Building Code requirements for shaft construction, and such enclosure shall have a minimum fire-resistance-rating of not less than the highest fire-resistance-rated wall assembly penetrated.**

Exceptions: 1. Where the interior of the duct is equipped with an approved automatic fire suppression system, or

2. Galvanized steel ducts per Section 510.8 that penetrate required fire-resistance-rated walls of one-hour or less, in other than group H occupancy when the building is equipped throughout with an automatic sprinkler system in accordance with IBC Section 903.3.1.

(Fire Prevention and Building Safety Commission; [675 IAC 18-1.5-6](#); filed Mar 18, 2008, 2:22 p.m.: [20080423-IR-675070477FRA](#), eff 90 days after filing with the Publisher; filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 10. [675 IAC 18-1.5-7](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 18-1.5-7](#) Chapter 6; duct systems

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 7. (a) Amend Section 602.2.1, Exception 5, to read as follows: 5. Combustible materials fully enclosed within continuous noncombustible raceways or enclosures, approved gypsum board assemblies or within materials listed and labeled for such application.

(b) Insert Section 603.4.1 to read as follows: 603.4.1 Minimum fasteners. Round metallic ducts shall be mechanically fastened by means of at least three sheet metal screws or rivets spaced in approximately uniform intervals along the circumference of the duct.

(c) Amend Section 603.9 by inserting ", liquid sealants," after "mastic-plus-embedded-fabric systems".

(d) ~~Delete Amend Section 607.5.4 by deleting~~ Exception 2 and ~~replae~~ **replacing** with ""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."

(e) ~~Delete Amend Section 607.5.5 by deleting~~ **in the third line the words "and smoke"** without substitution. Delete Exception 2 without substitution. Delete "3" and replace with "2". Delete "4" and replace with "3".

(Fire Prevention and Building Safety Commission; [675 IAC 18-1.5-7](#); filed Mar 18, 2008, 2:22 p.m.: [20080423-IR-675070477FRA](#), eff 90 days after filing with the Publisher; filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 11. [675 IAC 18-1.5-15](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 18-1.5-15](#) Chapter 15; referenced standards

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 15. (a) Amend, in the third sentence of Chapter 15, "Section 102.8" to "Section 101.4".

(b) Delete the following standards: NFPA 37-02, NFPA 58-04, and NFPA ~~72-03~~. **72-02**.

(c) Amend Chapter 15 by inserting ", 506.3.10.2" as a "Referenced in code section number" for standard "ASTM E814".

(d) Amend Chapter 15 by inserting "506.3.1.1," and ", 506.3.6" as "Referenced in code section number" for standard "UL 1978".

(e) Amend Chapter 15 by inserting ", 506.3.10.1" as a "Referenced in code section number" for standard "UL 2221".

(Fire Prevention and Building Safety Commission; [675 IAC 18-1.5-15](#); filed Mar 18, 2008, 2:22 p.m.: [20080423-IR-675070477FRA](#), eff 90 days after filing with the Publisher; filed Nov 24, 2010, 3:21 p.m.: [20101222-IR-675100251FRA](#))

SECTION 12. [675 IAC 22-2.4-4](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-4](#) Chapter 3; general precautions against fire

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 4. Chapter 3 is amended as follows:

- (1) Delete Section 301.2 in its entirety without substitution.
- (2) Amend Section 304.1.2 by deleting the last sentence in its entirety without substitution.
- (3) Amend Section 304.2 by deleting the text and substituting the following: Storage of combustible rubbish shall not produce conditions that will create a fire hazard that endangers the safety of persons or property.
- (4) Amend Section 307.1.1 by deleting the text and substituting the following: Discontinuance. The fire chief is authorized to require open burning be immediately discontinued if such open burning constitutes a hazardous condition.
- (5) Amend Section 307.2 by deleting the text and substituting the following: Notification. Prior to commencement of open burning, the fire department having jurisdiction shall be notified.
- (6) Amend Section 307.2.1 by deleting the text and substituting the following: Material restrictions. Open burning of rubbish is prohibited.
- (7) Delete Section 307.3 in its entirety without substitution.
- (8) Amend Section 307.5 by deleting the text and substituting the following: Burning material shall be constantly attended by a person knowledgeable in the use of the fire-extinguishing equipment required by this section and familiar with any limitations that restrict open burning. An attendant shall supervise the burning material until the fire has been extinguished.
- (9) Amend Section 308.3 by deleting "obtaining a permit in accordance with Section 105.6" and substituting "notifying the fire department having jurisdiction".
- (10) Amend Section 308.3.1.1 by deleting the text between "having an LP gas container and LP-gas capacity", adding a number "1" before the exception, and adding a second exception: "2. Where buildings, balconies,