



## First Revision No. 18-NFPA 211-2014 [ Detail ]

Add new section:

**3.3.2 Accessories.**

### Submitter Information Verification

**Submitter Full Name:** Michael Beady

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**Submittal Date:** Thu Jul 10 14:04:37 EDT 2014

### Committee Statement

**Committee Statement:** New definition title for subdefinitions in FRs 5 and 6.

**Response Message:**

**First Revision No. 1-NFPA 211-2014 [ Section No. 2.3.1 ]****2.3.1 ASHRAE Publications.**

ASHRAE, Inc., 1791 Tullie Circle, NE, Atlanta, GA 30329-2305.

*ASHRAE Handbook: HVAC Systems and Equipment, 2008 2012 .*

**Submitter Information Verification**

**Submitter Full Name:** [ Not Specified ]

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**Submission Date:** Wed May 14 10:41:29 EDT 2014

**Committee Statement**

**Committee Statement:** The edition date for the ASHRAE HVAC Systems and Equipment Handbook is updated.

**Response Message:**

[Public Input No. 16-NFPA 211-2014 \[Section No. 2.3.1\]](#)



## First Revision No. 17-NFPA 211-2014 [ Section No. 2.4 ]

### 2.4 References for Extracts in Mandatory Sections.

NFPA 31, *Standard for the Installation of Oil-Burning Equipment*, 2011 edition.

NFPA 54, *National Fuel Gas Code*, 2012 2015 edition.

NFPA 85, *Boiler and Combustion Systems Hazards Code*, 2011 2015 edition.

NFPA 5000<sup>®</sup>, *Building Construction and Safety Code*<sup>®</sup>, 2012 2015 edition.

### Submitter Information Verification

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**Organization:** National Fire Protection Assoc

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**Submittal Date:** Tue Jun 10 11:12:56 EDT 2014

### Committee Statement

**Committee Statement:** The references are updated to the current edition.

**Response Message:**



## First Revision No. 6-NFPA 211-2014 [ New Section after 3.3.1.1 ]

### 3.3.2.1\* Factory-Built Fireplace System Accessories.

Accessories intended for field installation into or attachment to factory-built fireplace systems.

### Supplemental Information

<u>File Name</u>	<u>Description</u>
FR_6_A_3_3_2_1_edited_changes_accepted.docx	

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Wed May 14 14:04:30 EDT 2014

### Committee Statement

**Committee Statement:** A new definition and related annex material are created for factory-built fireplace system accessories to further delineate them from those associated with masonry chimneys.

**Response Message:**

#### A.3.3.2.1 Factory-Built Fireplace System Accessories.

These accessories include, but are not limited to, such items as decorative shrouds, glass or screen door assemblies, grates, blowers, log lighters intended for the ignition of solid fuel, gas log decorative appliances, spark arrestors, and chimney caps.

**First Revision No. 5-NFPA 211-2014 [ Section No. 3.3.68 ]****3.3.2.2\* Fireplace Masonry Fireplace and Chimney Accessories.**

Accessories intended for field installation into or attachment to existing masonry fireplaces. These include such items as heat exchangers, door assemblies, tubular grates, and blowers. or chimneys.

**Supplemental Information**

<u>File Name</u>	<u>Description</u>
FR_5_A_3_3_2_2_edited_changes_accepted.docx	

**Submitter Information Verification**

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Wed May 14 13:51:19 EDT 2014

**Committee Statement**

**Committee Statement:** The definition was revised to clearly delineate masonry fireplace and chimney accessories from those associated with factory-built fireplace systems. The second sentence is relocated to a new annex A item to comply with the the NFPA Manual of Style.

**Response Message:**

Public Input No. 9-NFPA 211-2013 [Section No. 3.3.68]

#### A.3.3.2.2 Masonry Fireplace and Chimney Accessories.

These accessories include, but are not limited to, such items as heat exchangers, glass or screen door assemblies, ~~tubular~~—grates, andirons, blowers, log lighters intended for the ignition of solid fuel, fire backs intended to reflect heat or reduce heat exposure, dampers, gas log decorative appliances, spark arrestors, chimney caps, and ash receptacle doors.

**First Revision No. 4-NFPA 211-2014 [ Section No. 6.1.4.1 ]****6.1.4.1\***

The enclosure shall not be constructed from any type of duct wrap or fire-rated duct wrap .

**Submitter Information Verification**

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

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**City:**

**State:**

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**Submittal Date:** Wed May 14 13:26:00 EDT 2014

**Committee Statement**

**Committee Statement:** The intent is to eliminate any type of fire wrap duct insulation (i.e., Pyroscat, 3M, etc.) from being used in this application.

**Response Message:**

Public Input No. 13-NFPA 211-2013 [Section No. 6.1.4.1]





## First Revision No. 7-NFPA 211-2014 [ New Section after 6.3 ]

### 6.4 Installation.

Factory-built chimneys and chimney units installed through insulation or areas to be insulated shall be separated by a physical barrier to establish and maintain the minimum air space clearance required by the chimney manufacturer.

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Wed May 14 15:38:33 EDT 2014

### Committee Statement

**Committee Statement:** Every year there are several fires that are the result of insulation being installed directly against factory –built chimneys because a physical barrier was not present to maintain the required minimum air space for the chimney to operate safely. This type of fire might be avoided if a barrier is in place. Subsection 10.6.2 of NFPA 211 has similar language to what is being proposed requiring that a physical barrier be in place to maintain the minimum air space required when insulation is present. By adding similar language to Chapter 6 Factory-Built Chimneys and Chimney Units there would be commonality on the proper installation requirements for vents and chimney with respect to areas that are being insulated.

**Response**

**Message:**

[Public Input No. 6-NFPA 211-2013 \[New Section after 6.3\]](#)

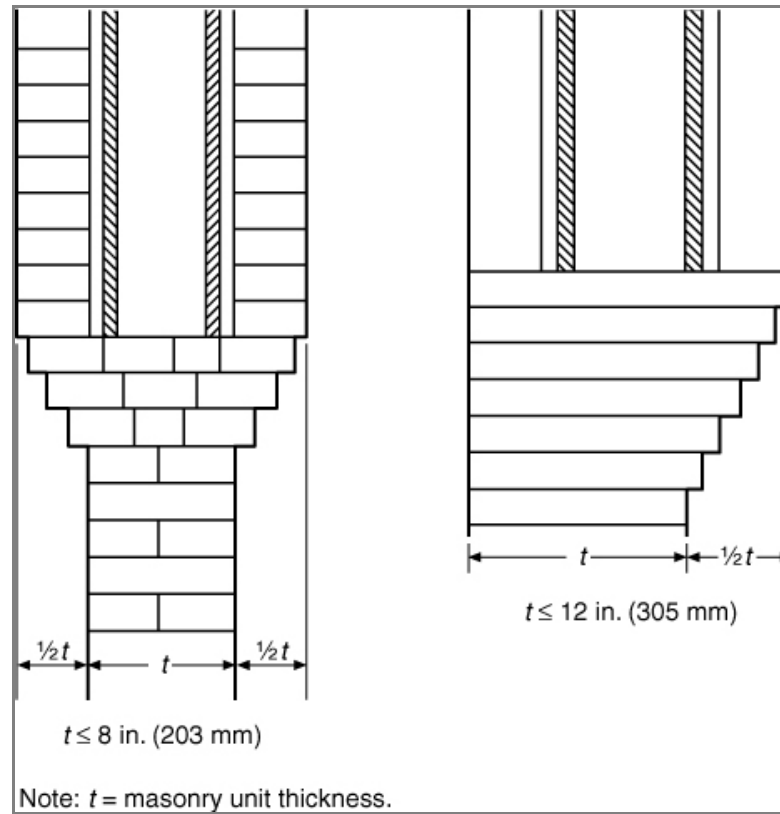


**First Revision No. 16-NFPA 211-2014 [ Section No. 7.1.2 ]**

7.1.2 Corbeling.

Individual and maximum projections of corbels in masonry chimneys shall comply with the requirements of this section. [See [Figure 7.1.2\(a\)](#) through [Figure 7.1.2\(e\)](#) ~~Figure 7.1.2(d)~~ .]

**Figure 7.1.2(a) Corbels for Supporting Chimneys.**



**Figure 7.1.2(b) Corbels to Change Chimney Direction.**

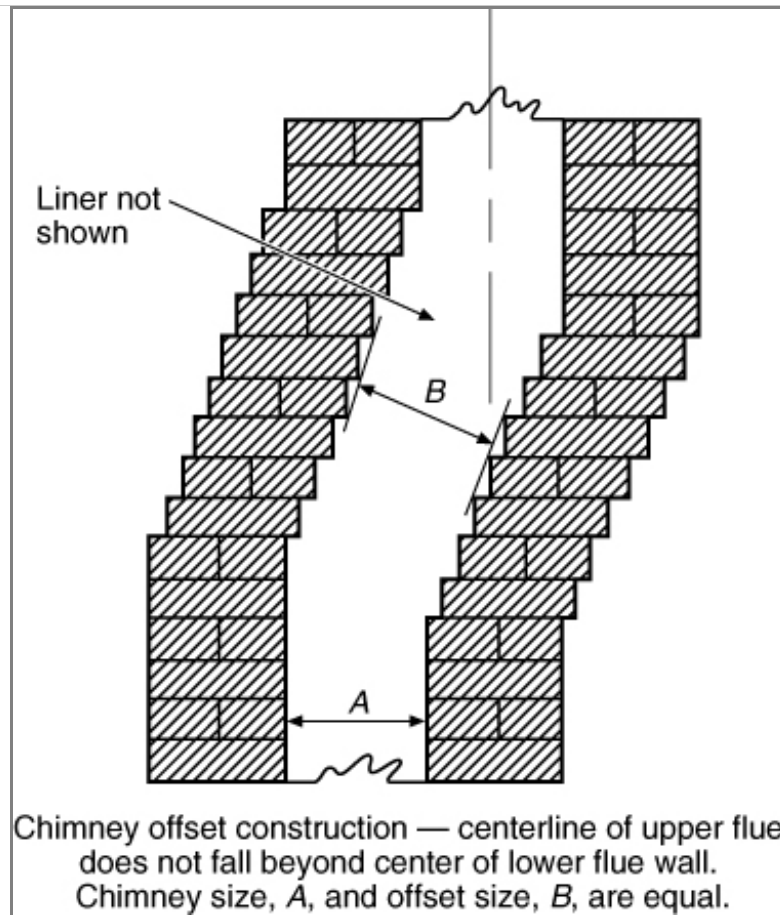
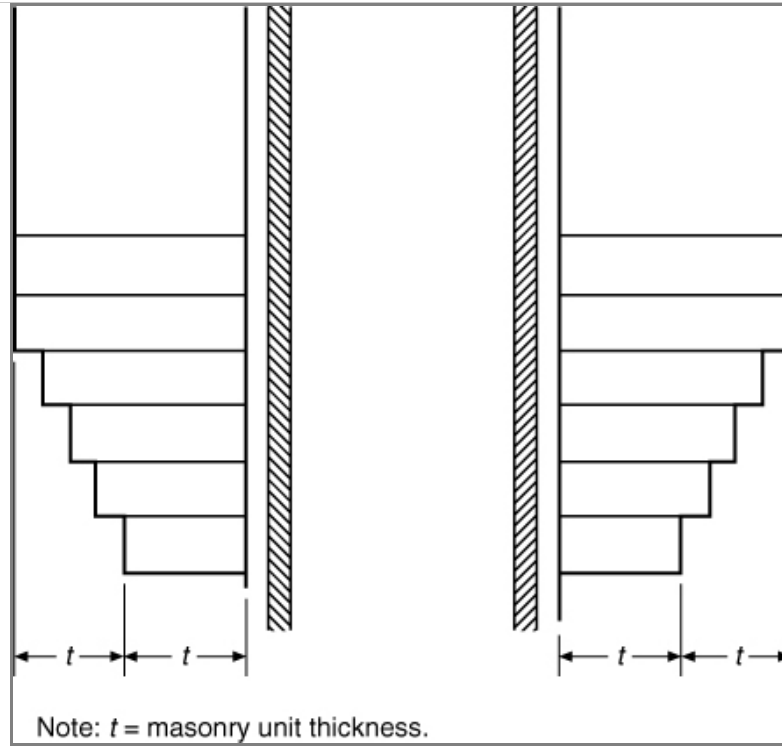
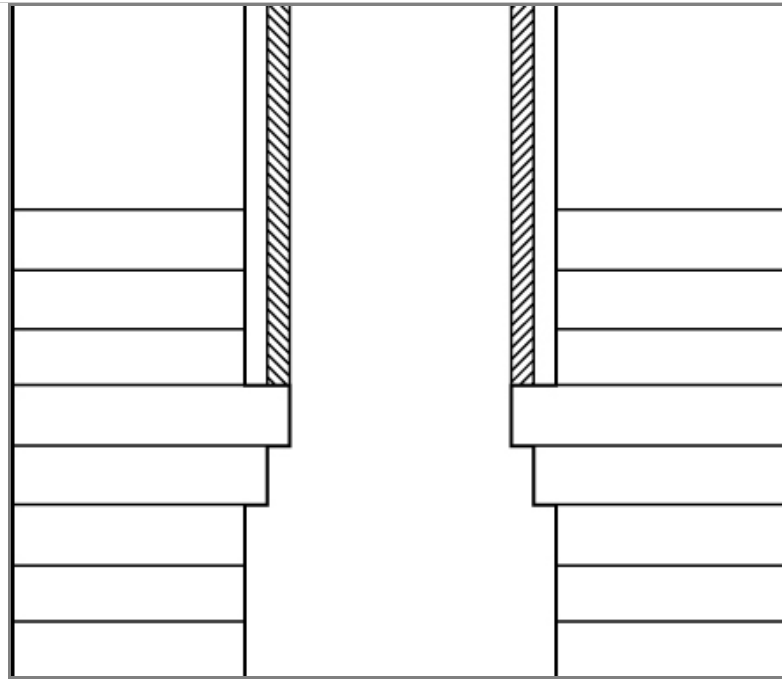


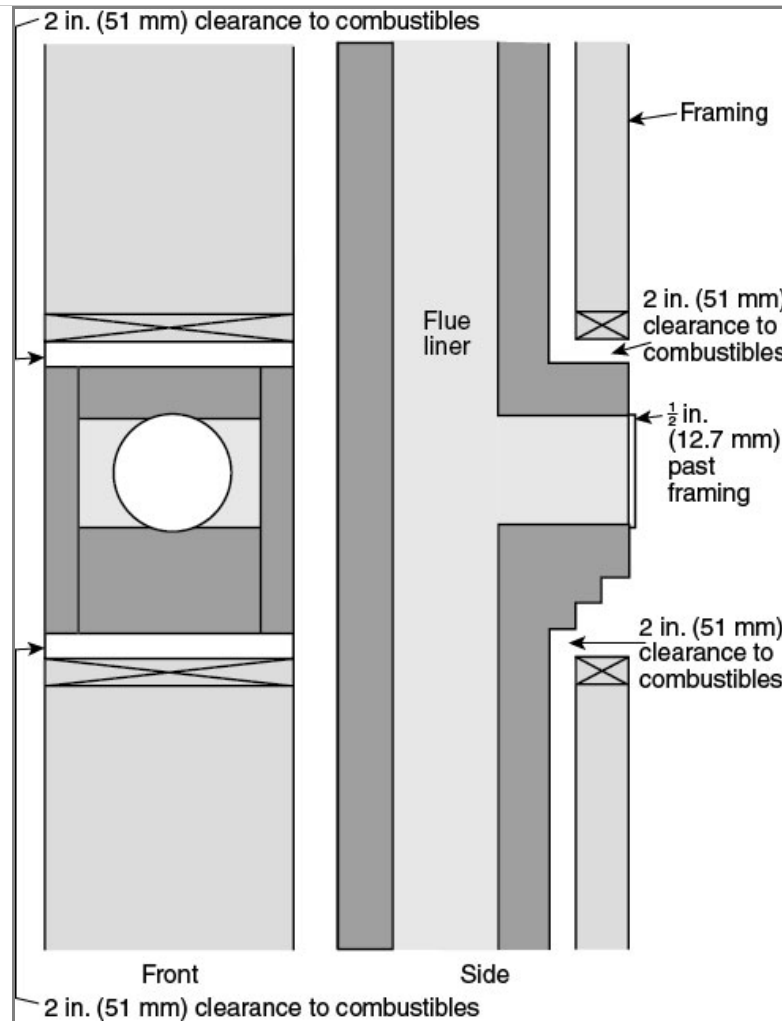
Figure 7.1.2(c) Corbels to Increase Chimney Wall Thickness.



**Figure 7.1.2(d) Corbels to Support Flue Lining.**



**Figure 7.1.2(e) Corbels to Incorporate Wall Pass-Through.**

**7.1.2.1**

Corbeling limitations shall be permitted to be varied for engineered, reinforced, brick masonry construction.

**7.1.2.2**

Individual corbels occurring at any point within a masonry chimney shall not exceed one-half the individual masonry unit height or one-third the thickness.

**7.1.2.3**

The following shall apply to masonry chimney supports:

- (1) They shall be permitted to be formed by corbeling from a wall that is not less than 12 in. (305 mm) in thickness to form a maximum total projection of not more than one-half the wall thickness.
- (2) Where the corbeling specified in 7.1.2.3(1) projects equally on each side of the wall, the masonry chimney support shall be permitted to be formed by corbeling from a wall that is not less than 8 in. (203 mm) in thickness to form a maximum total projection on each side of the wall that is not more than one-half the wall thickness.

**7.1.2.4**

Corbeling used to change the direction of a masonry chimney shall have a maximum offset so that the centerline of the upper flue does not fall beyond the center of the lower flue wall. The cross-sectional area of the flue shall not be reduced throughout the offset.

**7.1.2.5**

Corbeling used to increase the chimney wall thickness shall have a maximum total projection that does not exceed the thickness of the chimney wall.

**7.1.2.6**

Corbeled or solid masonry shall be provided in masonry chimneys to support the entire perimeter of flue liners.

**7.1.2.7**

Where a flue is constructed of two flue liners without a separation, three sides of each flue liner shall be supported entirely on corbeled masonry.

**7.1.2.8**

Corbels shall be made with solid units, and, where corbels are located on the walls of hollow masonry units, there shall be no fewer than three courses of solid masonry units below the corbels.

**7.1.2.9**

Corbeling used to incorporate wall pass-through shall be constructed in accordance with [7.1.2](#) and [Figure 7.1.2\(e\)](#) .

**Submitter Information Verification**

**Submitter Full Name:** [ Not Specified ]

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**Street Address:**

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**Submittal Date:** Thu May 15 17:16:54 EDT 2014

**Committee Statement**

**Committee Statement:** A new figure is added to provide guidance for using masonry construction to incorporate a wall pass-through in the chimney construction.



**Response Message:**



## First Revision No. 10-NFPA 211-2014 [ Section No. 9.7.4 ]

### 9.7.4

Connectors for residential-type appliances ([Table 5.2.2.1](#), Column I) shall be permitted to pass through walls or partitions constructed of combustible material if one of the following is true of the connector:

- (1) It is listed for wall pass-through and is installed in accordance with the conditions of the listing. .
- (2) It is routed through a device listed for wall pass-through and is installed in accordance with the conditions of the listing. It is incorporated into the chimney construction in accordance with [7.1.2.9](#) .

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

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**City:**

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**Submittal Date:** Thu May 15 11:09:09 EDT 2014

### Committee Statement

**Committee Statement:** The subsection was revised to combine existing items (1) and (2) because they were redundant. A new diagram for a masonry wall-pass through was developed to cover applications where field-construction is desired. The field-constructed system was added to a new 7.1.2.9.

**Response Message:**



## First Revision No. 14-NFPA 211-2014 [ Section No. 9.7.5 ]

### **Annex B** Field Constructed Wall Pass-Through Systems

*This annex is not a part of the requirements of this NFPA document but is included for informational purposes only.*

#### **B.1** General.

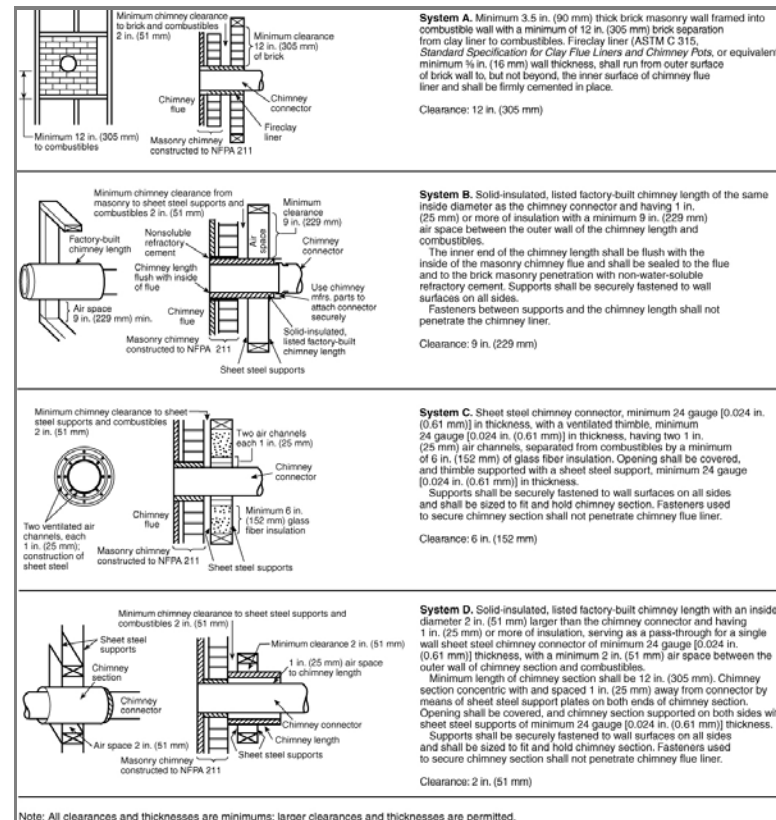
Annex B provides information on field-constructed wall pass-through systems. This annex provides a method by which to identify or compare old systems to ensure that they were installed and maintained in accordance with the “grandfathered” method, and it is reprinted here for the convenience of those where such systems exist. This annex does not apply to new construction of wall pass-throughs. See [9.7.4](#) for requirements on new wall pass-through systems.

**B.2**

The following applies to existing wall pass-through connectors for residential-type appliances ( [Table 5.2.2.1](#) , Column I) with inside diameters less than or equal to 10 in. (254 mm):

- (1) The connectors can pass through walls or partitions constructed of combustible material to a masonry chimney, provided the connector system selected or fabricated is installed in accordance with the conditions and clearances specified in [Figure B.2](#) .
- (2) Any unexposed metal that is used as part of a wall pass-through system and is exposed to flue gases must be constructed of stainless steel or other equivalent material that resists corrosion, softening, or cracking from flue gases at temperatures up to 1800°F (982°C).
- (3) Insulation material used as part of a wall pass-through system must be of noncombustible material and have a thermal conductivity of 1.0 Btu-in./hr-ft<sup>2</sup> -°F (0.14 W/m-K).
- (4) Any material used to close up an opening for the connector must be of noncombustible material.
- (5) A connector to a masonry chimney, except for System B in [Figure B.2](#) , must extend in one continuous piece through the wall pass-through system and the chimney wall to the inner face of the flue liner, but not beyond.

**Figure B.2 Chimney Connector Systems and Clearances from Combustible Walls for Residential Heating Appliances.**



## Supplemental Information

<u>File Name</u>	<u>Description</u>
FR_14_New_Annex_B_FR_14_edited_changes_accepted.docx	

## Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Thu May 15 17:06:51 EDT 2014

## Committee Statement

**Committee Statement:** The result of the First Revision is to relocate subsection 9.7.5 to a new Annex B as shown on the attached. At the time the systems shown in Figure 9.7.5 were added to NFPA 211, listed wall pass-through were not commercially available. However, listed wall-pass through systems are now readily available. Therefore, field-constructed wall pass-through systems are no longer permitted for new construction. The field-constructed systems are susceptible to human error in construction and installation. In addition, these systems can be subject to long-term deterioration due to moisture issues and structural movement. However, the committee recognizes that this information should be maintained for inspecting or evaluating existing installations.

**Response Message:**

## Annex B Field Constructed Wall Pass-Through Systems

*This annex is not a part of the requirements of this NFPA document but is included for informational purposes only.*

### B.1 General.

Annex B provides information on field-constructed wall pass-through systems. This annex provides a method by which to identify or compare old systems to ensure that they were installed and maintained in accordance with the “grandfathered” method, and it is reprinted here for the convenience of those where such systems exist. This annex does not apply to new construction of wall pass-throughs. See 9.7.4 for requirements on new wall pass-through systems.

### ~~9.7.5~~ B.2

The following ~~shall apply~~ applies to existing wall pass-through connectors for residential-type appliances (Table 5.2.2.1, Column I) with inside diameters less than or equal to 10 in. (254 mm):

- (1) The connectors ~~shall be permitted to~~ can pass through walls or partitions constructed of combustible material to a masonry chimney, provided the connector system selected or fabricated is installed in accordance with the conditions and clearances specified in Figure B.2. ~~9.7.5~~.
- (2) Any unexposed metal that is used as part of a wall pass-through system and is exposed to flue gases ~~shall~~ must be constructed of stainless steel or other equivalent material that resists corrosion, softening, or cracking from flue gases at temperatures up to 1800°F (982°C).
- (3) Insulation material used as part of a wall pass-through system ~~shall~~ must be of noncombustible material and ~~shall~~ have a thermal conductivity of 1.0 Btu-in./hr-ft<sup>2</sup>-°F (0.14 W/m-K).
- (4) Any material used to close up an opening for the connector ~~shall~~ must be of noncombustible material.
- (5) A connector to a masonry chimney, except for System B in Figure B.2. ~~9.7.5~~, ~~shall~~ must extend in one continuous piece through the wall pass-through system and the chimney wall to the inner face of the flue liner, but not beyond.

**Figure B.2. ~~9.7.5~~ Chimney Connector Systems and Clearances from Combustible Walls for Residential Heating Appliances.**



## First Revision No. 8-NFPA 211-2014 [ New Section after 10.7.3.5 ]

### 10.7.3.6 Supporting Dryer Exhaust Ducts.

Dryer exhausts shall be supported with metal straps where additional support is needed.

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

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**City:**

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**Submittal Date:** Wed May 14 16:19:32 EDT 2014

### Committee Statement

**Committee Statement:** Plastic pipe strap is often an affordable alternative for dryer exhausts and is often right there in the duct area of many home improvement stores. However, plastic straps lack the strength and longevity to properly maintain support for the dryer exhaust duct. Therefore, dryer exhaust ducts must be supported by metal straps.

**Response**

**Message:**

Public Input No. 8-NFPA 211-2013 [New Section after 10.7.3.5]



## First Revision No. 11-NFPA 211-2014 [ Section No. 11.1 ]

### 11.1 Factory-Built Fireplaces.

#### 11.1.1

Factory-built fireplaces shall be listed and installed in accordance with the terms of the listing and the manufacturer's instructions .

#### 11.1.2

Hearth extensions shall be provided in accordance with the ~~manufacturers'~~ manufacturer's instructions or be of masonry on noncombustible construction in accordance with Section 11.3.

#### 11.1.3

Factory-built fireplaces shall be secured to the floor or structural framing of the building in order to prevent shifting.

#### 11.1.4

Only listed decorative shrouds at the termination of a factory-built fireplace chimney shall be permitted.

#### 11.1.5

Factory-built fireplace system accessories shall be one of the following:

- (1) Listed for use with the specific factory-built fireplace and installed in accordance with the terms of their listing
- (2) Acceptable to the AHJ and installed as approved and in accordance with the manufacturer's installation instructions

## Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

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**Submittal Date:** Thu May 15 16:56:43 EDT 2014

## Committee Statement

**Committee Statement:** The requirements for accessories was separated to recognize the difference between factory-built fireplace systems and masonry fireplaces. The requirements for masonry fireplaces were not revised; but simply relocated. The requirements for factory-built fireplace accessories were revised to clarify use with a listed factory-built fireplace. A new paragraph was added to chapter 14 to provide minimum requirements for replacing components within factory-built fireplace systems. These components should meet the terms of the original



manufacturer's listing or be approved by the AHJ where the original manufacturer is not in business or has discontinued production of replacement parts.

**Response**

**Message:**

[Public Input No. 11-NFPA 211-2013 \[New Section after 11.1\]](#)



## First Revision No. 12-NFPA 211-2014 [ Section No. 11.4 ]

### 11.2.10\* Masonry Fireplace Accessories.

Fireplace accessories shall be one of the following:

- (1) Listed and installed in accordance with the terms of their listing
- (2) Acceptable to the AHJ and installed as approved and in accordance with the manufacturer's installation instructions

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submission Date:** Thu May 15 16:59:21 EDT 2014

### Committee Statement

**Committee Statement:** The requirements for accessories was separated to recognize the difference between factory-built fireplace systems and masonry fireplaces. The requirements for masonry fireplaces were not revised; but simply relocated. The requirements for factory-built fireplace accessories were revised to clarify use with a listed factory-built fireplace. A new paragraph was added to chapter 14 to provide minimum requirements for replacing components within factory-built fireplace systems. These components should meet the terms of the original manufacturer's listing or be approved by the AHJ where the original manufacturer is not in business or has discontinued production of replacement parts.

**Response Message:**



## First Revision No. 13-NFPA 211-2014 [ New Section after 14.7.1 ]

### 14.7.1.2

Only listed or approved components or accessories for use with the specific model of factory-built fireplace system shall be permitted.

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Thu May 15 17:02:53 EDT 2014

### Committee Statement

**Committee Statement:** A new paragraph was added to chapter 14 to provide minimum requirements for replacing components within factory-built fireplace systems. These components should meet the terms of the original manufacturer's listing or be approved by the AHJ where the original manufacturer is not in business or has discontinued production of replacement parts.

**Response Message:**



## First Revision No. 3-NFPA 211-2014 [ New Section after 14.7.1 ]

### 14.7.1.1

Only listed or approved components and accessories tested for use with the specific model of factory-built chimney shall be permitted.

### Submitter Information Verification

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submittal Date:** Wed May 14 13:14:51 EDT 2014

### Committee Statement

**Committee Statement:** A new paragraph is added to clarify requirements for repair of factory-built chimneys using listed or approved components specific to the system. The manufacturer of a listed system specifies that only listed components can be used in repairs. Approved components are permitted to provide an option to local AHJs where listed components are not available due to manufacturers going out of business or changing product lines.

**Response**

**Message:**

Public Input No. 12-NFPA 211-2013 [New Section after 6.1.1]

**First Revision No. 9-NFPA 211-2014 [ Section No. B.1.2.2 ]****C.1.2.2** ASHRAE Publications.

ASHRAE, Inc., 1791 Tullie Circle, NE, Atlanta, GA 30329-2305.

*ASHRAE Handbook: - HVAC Systems and Equipment, 2008 2012 .*

**Submitter Information Verification**

**Submitter Full Name:** [ Not Specified ]

**Organization:** [ Not Specified ]

**Street Address:**

**City:**

**State:**

**Zip:**

**Submission Date:** Wed May 14 18:30:15 EDT 2014

**Committee Statement**

**Committee Statement:** The edition date of the ASHRAE HVAC handbook is updated to the current edition.

**Response Message:**

[Public Input No. 17-NFPA 211-2014 \[Section No. B.1.2.2\]](#)