

# 2015 International Building Code Errata

(Portions of text and tables not shown are unaffected by the errata)

## THIRD PRINTING (Updated April 15, 2020)

### CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

**[BF] 1509.2 Fire testing.** *Radiant barriers* shall be permitted for use above decks where the *radiant barrier* is covered with an approved roof covering and the system consisting of the *radiant barrier* and the roof covering complies with the requirements of either FM ~~4550~~ 4450 or UL 1256.

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SECOND PRINTING (Updated October 22, 2015)

## CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

TABLE 1504.1.1  
CLASSIFICATION OF ASPHALT SHINGLES

| MAXIMUM BASIC<br>WIND SPEED, $V_{ult}$ ,<br>FROM FIGURE <del>1609A</del> ,<br><del>B</del> , <u>C 1609.3(1),</u><br><u>1609.3(2), 1609.3(3)</u> OR<br>ASCE 7 | MAXIMUM BASIC<br>WIND SPEED,<br>$V_{asd}$ , FROM TABLE<br>1609.3.1 | ASTM D 7158a<br>CLASSIFICATION | ASTM D 3161<br>CLASSIFICATION |
|--|--|--------------------------------|-------------------------------|
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(Portions of table not shown remain unchanged)

**1504.5 Edge securement for low-slope roofs.** Low-slope built-up, modified bitumen and single-ply roof system metal edge securement, except gutters, shall be designed and installed for wind loads in accordance with Chapter 16 and tested for resistance in accordance with Test Methods RE-1, RE-2 and RE-3 of ANSI/SPRI ES-1, except  $V_{ult}$  wind speed shall be determined from Figure ~~1609A, 1609B, or 1609C~~ 1609.3(1), 1609.3(2) or 1609.3(3) as applicable.

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(Portions of text and tables not shown are unaffected by the errata)

FIRST PRINTING (Updated August 11, 2014)

## CHAPTER 15 ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

**[BG] 1510.5.1 Noncombustible construction required.** Towers, spires, domes and cupolas greater than 60 feet (18 288 mm) in height above the highest point at which such structure contacts the roof as measured to the highest point on such structure, or that exceeds 200 square feet (18.6 m<sup>2</sup>) in area at any horizontal section, or which is intended to be used for any purpose other than a belfry or architectural embellishment, or is located on the top of a building greater than 50 feet (1524 mm) in building height shall be constructed of and supported by noncombustible materials and shall be separated from the building below by construction having a fire-resistance rating of not less than 1.5 hours with openings protected in accordance with Section 711. Such structures located on the top of a building greater than 50 feet (15 240 mm) in building height shall be supported by noncombustible construction.

**[BG] 1510.6.3 Type V construction.** The height of mechanical equipment screens located on the roof decks of buildings of Type V construction, as measured from grade plane to the highest point on the mechanical equipment screen, shall be permitted to exceed the maximum building height allowed for the building by other provisions of this code where complying with any one of the following limitations, provided the fire separation distance is greater than 5 feet (1524 mm):

1. Where the fire separation distance is not less than 20 feet (6096 mm), the height above grade plane of the mechanical equipment screen shall not exceed 4 feet (1219 mm) more than the maximum building height allowed;
2. The *mechanical equipment screen* shall be constructed of noncombustible materials;
3. The *mechanical equipment screen* shall be constructed of fire-retardant-treated wood complying with Section 2303.2 for exterior installation; or
4. Where the fire separation distance is not less than 20 feet (6096 mm), the *mechanical equipment screen* shall be constructed of materials having a flame spread index of 25 or less when tested in the minimum and maximum thicknesses intended for use with each face tested independently in accordance with ASTM E 84 or UL 723.

**[BG] 1510.7 Photovoltaic panels and modules.** Rooftop-mounted *photovoltaic panels* and *modules* shall be designed in accordance with this section.

**[BG] 1510.7.1 Wind resistance.** Rooftop-mounted *photovoltaic panels* and *modules* shall be designed for component and cladding wind loads in accordance with Chapter 16 using an effective wind area based on the dimensions of a single unit frame.

**[BG] 1510.7.2 Fire classification.** Rooftop-mounted *photovoltaic panels* and *modules* shall have the fire classification in accordance with Section 1505.9.

**[BG] 1510.7.3 Installation.** Rooftop-mounted *photovoltaic panels* and *modules* shall be installed in accordance with the manufacturer's instructions.

**[BG] 1510.7.4 Photovoltaic panels and modules.** Rooftop-mounted *photovoltaic panels* and *modules* shall be *listed* and labeled in accordance with UL 1703 and shall be installed in accordance with the manufacturer's instructions.

**[BG] 1510.8 Other rooftop structures.** Rooftop structures not regulated by Sections 1510.2 through 1510.7 shall comply with Sections 1510.8.1 through 1510.8.5, as applicable.

**[BG] 1510.8.1 Aerial supports.** Aerial supports shall be constructed of noncombustible materials.

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**Exception:** Aerial supports not greater than 12 feet (3658 mm) in height as measured from the roof deck to the highest point on the aerial supports shall be permitted to be constructed of combustible materials.

**[BG] 1510.8.2 Bulkheads.** Bulkheads used for the shelter of mechanical or electrical equipment or vertical shaft openings in the roof assembly shall comply with Section 1510.2 as penthouses. Bulkheads used for any other purpose shall be considered as an additional story of the building.

**[BG] 1510.8.3 Dormers.** Dormers shall be of the same type of construction as required for the roof in which such dormers are located or the exterior walls of the building.

**[BG] 1510.8.4 Fences.** Fences and similar structures shall comply with Section 1510.6 as *mechanical equipment screens*.

**[BG] 1510.8.5 Flagpoles.** Flagpoles and similar structures shall not be required to be constructed of noncombustible materials and shall not be limited in height or number.

**[BG] 1510.9 Structural fire resistance.** The structural frame and roof construction supporting imposed loads upon the roof by any rooftop structure shall comply with the requirements of Table 601. The fire-resistance reduction permitted by Table 601, Note a, shall not apply to roofs containing rooftop structures.