

Matter **underlined and bold italic** is new to reference standard ASCE 24.

# 1 RCNY §3606-04

## CHAPTER 3600

### Appendices

#### **§3606-04 American Society of Civil Engineers (“ASCE”) 24 amendments relating to mandatory freeboard.**

Pursuant to Section 28-103.19 of the New York City Administrative Code, Table 2-1 of Section 2.3, Table 4-1 of Section 4.4, Table 5-1 of Section 5.1, Table 6-1 of Section 6.2, and Table 7-1 of Section 7.1 of ASCE 24 as amended by Section BC G501.1 of the New York City Building Code, are hereby amended to read as follows:

**TABLE 2-1  
MINIMUM ELEVATION OF THE TOP OF LOWEST FLOOR  
RELATIVE TO DESIGN FLOOD ELEVATION (DFE)—A-ZONES<sup>a</sup>**

STRUCTURAL OCCUPANCY CATEGORY <sup>b</sup>	MINIMUM ELEVATION OF LOWEST FLOOR
I	DFE=BFE
<b><u>II (1- and 2-family dwellings)</u></b>	<b><u>DFE=BFE+ 2 ft</u></b>
II <sup>c</sup> ( <b><u>all others</u></b> )	DFE=BFE+ <b><u>1 ft</u></b>
III <sup>c</sup>	DFE=BFE+ 1 ft
IV <sup>c</sup>	DFE=BFE+ 2 ft

- a. Minimum elevations shown in Table 2-1 do not apply to V Zones (see Table 4-1). Minimum elevations shown in Table 2-1 apply to A-Zones unless specific elevation requirements are given in Section 3 of this standard.
- b. See Table 1-1 or Table 1604.5 of the *New York City Building Code*, for structural occupancy category descriptions.
- c. For nonresidential buildings and nonresidential portions of mixed-use buildings, the lowest floor shall be allowed below the minimum elevation if the structure meets the floodproofing requirements of Section 6.

**TABLE 4-1  
MINIMUM ELEVATION OF BOTTOM OF LOWEST SUPPORTING  
HORIZONTAL STRUCTURAL MEMBER OF LOWEST FLOOR  
RELATIVE TO DESIGN FLOOD ELEVATION (DFE)—V ZONES**

STRUCTURAL OCCUPANCY CATEGORY <sup>a</sup>	MEMBER ORIENTATION RELATIVE TO THE DIRECTION OF WAVE APPROACH	
	Parallel <sup>b</sup>	Perpendicular <sup>b</sup>
I	DFE=BFE	DFE=BFE
<b><u>II (1- and 2-family dwellings)</u></b>	<b><u>DFE=BFE+ 2 ft</u></b>	<b><u>DFE=BFE+ 2 ft</u></b>
II ( <b><u>all others</u></b> )	DFE=BFE	DFE=BFE+ <b><u>1 ft</u></b>
III	DFE=BFE+ 1 ft	DFE=BFE+ 2 ft
IV	DFE=BFE+ 1 ft	DFE=BFE+ 2 ft

- a. See Table 1-1, or Table 1604.5 of the *New York City Building Code*, for structural occupancy category descriptions.
- b. Orientation of lowest horizontal structural member relative to the general direction of wave approach; parallel shall mean less than or equal to +20 degrees from the direction of approach; perpendicular shall mean greater than +20 degrees from the direction of approach.

**TABLE 5-1  
MINIMUM ELEVATION, RELATIVE TO DESIGN FLOOD  
ELEVATION (DFE), BELOW WHICH FLOOD-DAMAGE-RESISTANT  
MATERIALS SHALL BE USED**

STRUCTURAL OCCUPANCY CATEGORY <sup>a</sup>	A-ZONE	V-ZONES	
		Orientation Parallel <sup>b</sup>	Orientation Perpendicular <sup>b</sup>
I	DFE=BFE	DFE=BFE	DFE=BFE
<u>II (1- and 2-family dwellings)</u>	<u>DFE=BFE+ 2 ft</u>	<u>DFE=BFE+ 2 ft</u>	<u>DFE=BFE+ 2 ft</u>
II ( <u>all others</u> )	DFE=BFE+ <u>1 ft</u>	DFE=BFE+ <u>1 ft</u>	DFE=BFE+ <u>2 ft</u>
III	DFE=BFE+ 1 ft	DFE=BFE+ 2 ft	DFE=BFE+ 3 ft
IV	DFE=BFE+ 2 ft	DFE=BFE+ 2 ft	DFE=BFE+ 3 ft

a. See Table 1-1, or Table 1604.5 of the *New York City Building Code*, for structural occupancy category descriptions.  
Orientation of lowest horizontal structural member relative to the general direction of wave approach; parallel shall mean less than or equal to +20 degrees from the direction of approach; perpendicular shall mean greater than +20 degrees from the direction of approach.

**TABLE 6-1  
MINIMUM ELEVATION OF FLOODPROOFING, RELATIVE TO  
DESIGN FLOOD ELEVATION (DFE)—A-ZONES**

STRUCTURAL OCCUPANCY CATEGORY <sup>a</sup>	MINIMUM ELEVATION OF FLOODPROOFING <sup>b</sup>
I	DFE=BFE+ <u>1 ft</u>
II <sup>c</sup>	DFE=BFE+ <u>1 ft</u>
III	DFE=BFE+ 1 ft
IV	DFE=BFE+ 2 ft

a. See Table 1-1, or Table 1604.5 of the *New York City Building Code*, for structural occupancy category descriptions.  
b. Wet or dry floodproofing shall extend to the same level.  
c. Dry floodproofing of residential buildings and residential portions of mixed use buildings shall not be permitted.

**TABLE 7-1  
MINIMUM ELEVATION OF UTILITIES AND ATTENDANT EQUIPMENT RELATIVE TO DESIGN FLOOD ELEVATION (DFE)**

STRUCTURAL OCCUPANCY CATEGORY <sup>a</sup>	LOCATE UTILITIES AND ATTENDANT EQUIPMENT ABOVE <sup>b</sup>		
	A-Zones	V-Zones	
		Orientation Parallel <sup>c</sup>	Orientation Perpendicular <sup>c</sup>
I	DFE=BFE	DFE=BFE	DFE=BFE
<u>II (1- and 2-family dwellings)</u>	<u>DFE=BFE+ 2 ft</u>	<u>DFE=BFE+ 2 ft</u>	<u>DFE=BFE+ 2 ft</u>
II ( <u>all others</u> )	DFE=BFE+ <u>1 ft</u>	DFE=BFE+ <u>1 ft</u>	DFE=BFE+ <u>2 ft</u>
III	DFE=BFE+ 1 ft	DFE=BFE+ 2 ft	DFE=BFE+ 3 ft
IV	DFE=BFE+ 2 ft	DFE=BFE+ 2 ft	DFE=BFE+ 3 ft

a. See Table 1-1, or Table 1604.5 of the *New York City Building Code*, for structural occupancy category descriptions.  
b. Locate utilities and attendant equipment above elevations shown unless otherwise provided in the text.  
Orientation of lowest horizontal structural member relative to the general direction of wave approach; parallel shall mean less than or equal to +20 degrees from the direction of approach; perpendicular shall mean greater than +20 degrees from the direction of approach.