

GG104-14

202, 302.1, 402.3 (NEW)

Proponent: John McShane, U.S. Environmental Protection Agency, representing USEPA and Alan Luloff, Association of State Flood Plain Managers

Add new definition as follows:

SECTION 202 DEFINITIONS

500-YEAR FLOODPLAIN. The area within a *floodplain* subject to a 0.2-percent or greater chance of flooding in any given year.

Revise as follows:

302.1 Requirements determined by the jurisdiction.

The jurisdiction shall indicate the following information in Table 302.1 for inclusion in its code adopting ordinance:

1. The jurisdiction shall indicate whether requirements for residential buildings, as indicated in Exception 1 to Section 101.3, are applicable by selecting “Yes” or “No” in Table 302.1. Where “Yes” is selected, the provisions of ICC 700 shall apply and the remainder of this code shall not apply.
2. Where the jurisdiction requires enhanced energy performance for buildings designed on a performance basis, the jurisdiction shall indicate a zEPI of 46 or less in Table 302.1 for each occupancy required to have enhanced energy performance.
3. Where “Yes” or “No” boxes are provided, the jurisdiction shall check the box to indicate “Yes” where that section is to be enforced as a mandatory requirement in the jurisdiction, or “No” where that section is not to be enforced as a mandatory requirement in the jurisdiction.

**TABLE 302.1
REQUIREMENTS DETERMINED BY THE JURISDICTION**

Section	Section Title or Description and Directives	Jurisdictional Requirements	
CHAPTER 1. SCOPE			
101.3 Exception 1.1	Detached one- and two-family dwellings and multiple single- family dwellings (townhouses) not more than three stories in height above grade plane with a separate means of egress, their accessory structures, and the site or lot upon which these buildings are located, shall comply	<input type="checkbox"/> Yes	<input type="checkbox"/> No
101.3 Exception 1.2	Group R-3 residential buildings, their accessory structures, and the site or lot upon which these buildings are located, shall comply with ICC 700.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
101.3 Exception 1.3	Group R-2 and R-4 residential buildings four stories or less in height above grade plane, their accessory structures, and the site or lot upon which these buildings are located, shall comply with ICC 700.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CHAPTER 4. SITE DEVELOPMENT AND LAND U			
402.2.1	Flood hazard area preservation, general	<input type="checkbox"/> Yes	<input type="checkbox"/> No
402.2.2	Flood hazard area preservation, specific	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<u>402.3</u>	<u>Protection of high-risk buildings and structures</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
402.3 <u>402.4</u>	Surface water protection	<input type="checkbox"/> Yes	<input type="checkbox"/> No
402.5 <u>402.6</u>	Conservation area	<input type="checkbox"/> Yes	<input type="checkbox"/> No
402.7 <u>402.8</u>	Agricultural land	<input type="checkbox"/> Yes	<input type="checkbox"/> No
402.8 <u>402.9</u>	Greenfield sites	<input type="checkbox"/> Yes	<input type="checkbox"/> No
407.4.1	High-occupancy vehicle parking	<input type="checkbox"/> Yes	<input type="checkbox"/> No
407.4.2	Low-emission, hybrid and electric vehicle parking	<input type="checkbox"/> Yes	<input type="checkbox"/> No
409.1	Light pollution control	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CHAPTER 5. MATERIAL RESOURCE CONSERVATION AND EFFICIENCY			
503.1	Minimum percentage of waste material diverted from landfills	50% 65% 75%	
CHAPTER 6. ENERGY CONSERVATION, EFFICIENCY AND CO²_e EMISSION			
302.1, 302.1.1, 602.1	zEPI of Jurisdictional Choice – The jurisdiction shall indicate a zEPI of 46 or less in each occupancy for which it intends to require enhanced energy performance.	Occupancy: zEPI:	
604.1	Automated demand response infrastructure	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CHAPTER 7. WATER RESOURCE CONSERVATION, QUALITY AND EFFICIENCY			
702.7	Municipal reclaimed water	<input type="checkbox"/> Yes	<input type="checkbox"/> No
CHAPTER 8. INDOOR ENVIRONMENTAL QUALITY AND COMFORT			
804.2	Post-Construction Pre-Occupancy Baseline IAQ Testing	<input type="checkbox"/> Yes	<input type="checkbox"/> No
807.1	Sound transmission and sound levels	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Section	Section Title or Description and Directives	Jurisdictional Requirements	
CHAPTER 10. EXISTING BUILDINGS			
1007.2	Evaluation of existing buildings	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1007.3	Post Certificate of Occupancy zEPI, energy demand, and CO ^{2e}	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Add new text as follows:

402.3 Protection of high-risk buildings and structures. Where this section is indicated to be applicable in Table 302.1, *buildings* and *structures* classified as risk categories III or IV in accordance with Section 1604.5 of the *International Building Code* shall not be located within a 500-year floodplain.

Reason: The purpose of this proposal is to provide communities with an option to maximize the protection of buildings that offer essential services or that in severe floods present high risk to building occupants or the larger community. Such buildings, often referred to as “critical facilities,” include buildings that offer shelter during times of emergency, buildings that house community protection services, water treatment facilities, facilities that house people who are immobile, and so forth. The *International Building Code* categorizes these buildings as Risk Category III and IV.

Increased levels of freeboard is one approach to protecting such facilities, but could be insufficient, particularly in communities that are highly vulnerable to sea level rise. Coastal communities may want to use climate change adaptation strategies that minimize the risk of damage to critical facilities, strategies that take into consideration the reduced predictability of hydrologic and meteorological conditions. The placement of critical facilities outside of the 500 year floodplain is one such approach.

Cost Impact: Will increase the cost of construction.

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