

Issue B

ITEM #4: *Construction classification based on building height.*

ITEM #8: *Uncontrolled building fires, burnout and building collapse*

(new) **403.18 Structural performance.** Buildings that are more than 420 feet (128 m) in height shall be designed to survive a building contents fire without local failure of the primary structural frame and the collapse of adjoining structural members. The building contents fire shall be analyzed in accordance with the International Performance Code for Buildings and Facilities and shall be based on a design fire approved by the authority having jurisdiction. The design fire shall take into consideration the following: fire area(s); fuel loading; peak heat release rate(s); amount of air available to fire area(s); and confinement of the fire(s). Minimum fire load densities for each specific occupancy within a building shall be based upon Section 3.4.1 of the 2005 International Fire Engineering Guidelines and shall take into account appropriate safety factors. In a mixed used building, the more stringent requirements shall apply. The fire resistance rating of the primary structural frame shall not be less than the fire resistance ratings prescribed in Table 601.