

2018 International Existing Building Code® (IEBC®) Summary of Changes from 2015 IEBC

1. Section 303-(Organizational Change) Requirements for live loads from Chapters 4 and 8 have been combined and placed in Chapter 3 as they apply for all compliance methods.
2. Section 303.3.2 – (Deletion) In order to clarify and simplify concrete evaluation and retrofit, ASCE 41 continues to be directly referenced. Appendix Chapter A5 Earthquake Hazard Reduction in Existing Concrete Buildings is deleted from the 2018 IEBC.th in Section 303.3.2 to ASCE 41.
3. Section 305- (Organizational Change) Section 410 Accessibility has been relocated to a new Section 305. Chapters 4, 5, 6, 13 and 14 have been relocated, resulting in a reorganization of the provisions and new chapter numbering.
4. Section 405.2.1.1 – (Addition) Structural components damaged by snow events must be repaired assuming snow loads for new buildings from the IBC. Updated snow loads have been provided in the ASCE7-16 to include Idaho snow loads.
5. Section 502.4 – (Modification) A new exception is added for loading of existing structural elements next to an addition in buildings designed using the IRC. Exemption provided for Buildings containing not more than 5 dwelling or sleeping units used solely for residential purpose where existing building and the addition together comply with Light framed construction methods.
6. Section 502.7, 503.15, 804, 1105 - (Addition) Carbon monoxide provisions have been added in Prescriptive Method Additions, Alterations, Level 2 Additions, and Additions for Group I-1, I-2, I-4 and R occupancies.
7. Section 503.7 – (Addition) Anchorage for concrete and reinforced masonry walls. When a work area includes more than half the building floor area in an alteration, wall anchors must be installed at the roof line along reinforced concrete and reinforced masonry walls. Seismic Design Category C, D, E or F.
8. Section 503.10 – (Addition) Anchorage for unreinforced masonry partition in major alterations. A mitigation trigger has been added to the 2018 IEBC to address a common nonstructural falling hazard. When a work area includes more than half the building floor area in an alteration, unreinforced masonry partitions and nonstructural walls within the work area and adjacent to egress paths from the work area shall be anchored, removed, or altered to resist out-of-plane seismic forces, unless an evaluation demonstrates compliance of such items. Seismic Design Category C, D, E or F.

9. Section 505.4 and 701.4 – (Addition) Emergency Escape and Rescue Opening provisions related to being operational have been added to Prescriptive Compliance Method and Alterations Level 1.
10. Section 506.4 – (Modification) Buildings undergoing a change of occupancy shall have live, snow, wind and seismic loads checked. Design loads are based on IBC-level forces. Exceptions: Structural elements whose demand-capacity ratio considering the change of occupancy is not more than 5% greater than the demand-capacity ratio based on previously approved live loads needed to comply with this section.
11. Section 506.4.3 – (Modification) When a change of occupancy occurs placing a building in a higher risk category, the seismic loads on the building must be evaluated using IBC-level forces.
12. Section 507.4 – (Addition) Historic buildings shall comply with the applicable structural provisions in this chapter. Exceptions: 1. The code official shall be authorized to accept existing floors and existing live loads and to approve operational controls that limit the live load on any floor. 2. Repair of substantial structural damage is not required to comply with section 405.2.3 and 4.5.2.4. Substantial structural damage shall be repaired in accordance with section 405.2.1.
13. Section 805.3.1.1 – (Modification) Single exit buildings and spaces under Alteration Levels 2 and 3 have been modified to be more consistent with the IBC.
14. Section 904.1.4 – (Modification) The Alterations Level 2 requirement that water for automatic fire sprinkler system be available at the floor of alteration without the need for a fire pump has been moved to Chapter 9 for Alterations Level 3 and the fire pump criterion was deleted.
15. Section 906.7 – (Addition) The 2018 IEBC adds a mitigation trigger to address a common nonstructural falling hazard: unreinforced masonry partitions, parapet.