

1311.0806 SECTION 806, STRUCTURAL.

Subpart 1. **Section 806.2 Existing structural elements carrying gravity loads.** IEBC section 806.2 is amended to read as follows:

806.2 Existing structural elements carrying gravity loads. Any existing gravity load-carrying structural element for which an alteration causes an increase in design dead, live, or snow load, including snow drift effects, that increases the demand-capacity ratio to more than 105 percent shall be replaced or altered as needed to carry the gravity loads required by the International Building Code for new structures. The evaluation of demand-capacity ratios and calculation of design gravity loads, forces, and capacities shall account for the cumulative effects of additions and alterations since original construction. Any existing gravity load-carrying structural element whose gravity load-carrying capacity is decreased as part of the alteration shall be shown to have the capacity to resist the applicable design dead, live, and snow loads, including snow drift effects, required by the International Building Code for new structures.

(The exceptions remain unchanged.)

Subp. 2. **Section 806.3 Existing structural elements resisting lateral loads.** The exception to section 806.3 is amended to read as follows:

Exception: Any existing lateral load-carrying structural element for which an alteration causes an increase in demand-capacity ratio to no more than 110 percent shall be permitted to remain unaltered. For purposes of calculating demand-capacity ratios, the demand shall consider applicable load combinations with design lateral loads or forces in accordance with IBC section 1609. For purposes of this exception, comparisons of demand-capacity ratios and calculation of design lateral loads, forces, and capacities shall account for the cumulative effects of additions and alterations since original construction.

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106*

History: *44 SR 487*

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