

1311.0411 SECTION 411, STRUCTURAL REQUIREMENTS.

GREB Section 411 is deleted in its entirety and replaced with the following:

SECTION 411**STRUCTURAL REQUIREMENTS**

411.1 Structural safety. The minimum design loads for the structure shall be the loads applicable at the time the building was constructed, provided that no dangerous condition is created. The building official may require that structural members exposed during construction be evaluated by a registered design professional. Structural members that are found to be unsound or dangerous shall comply with the applicable requirements of the Minnesota State Building Code for new construction.

411.2 A building, structure, or an individual structural member that has any of the conditions or defects described below, as determined by a registered design professional, shall be replaced or strengthened when:

1. The stress in any materials, member, or portion thereof, due to all dead and live loads, is more than one and one-half the working stress or stresses allowed in the Minnesota State Building Code for new buildings of similar structure, purpose, or location.

2. Any portion of the building, structure, or member has been damaged by fire, earthquake, wind, flood, or by any other cause, to such an extent that its structural strength or stability is materially less than it was before the catastrophe and is less than the minimum requirements of the Minnesota State Building Code for new buildings of similar structure, purpose, or location.

3. Any portion of the building, structure, or member has wracked, warped, buckled, or settled to such an extent that walls or other structural portions have materially less resistance to winds or earthquakes than is required in the case of similar new construction.

4. The building or structure, or any portion of it, is likely to partially or completely collapse because of (i) dilapidation, deterioration, or decay; (ii) faulty construction; (iii) the removal, movement, or instability of any portion of the ground necessary for the purpose of supporting such building; (iv) the deterioration, decay, or inadequacy of its foundation; or (v) any other cause.

5. The exterior walls or other vertical structural members list, lean, or buckle to such an extent that a plumb line passing through the center of gravity does not fall inside the middle one-third of the base.

6. The building or structure, exclusive of the foundation, shows 33 percent or more damage or deterioration of its supporting member or members, or 50 percent damage or deterioration of its nonsupporting members, enclosing or outside walls, or coverings.

7. Any building or structure, which, whether or not erected in accordance with all applicable laws and ordinances, has in any nonsupporting part, member, or portion less than 50 percent, or in any supporting part, member, or portion less than 66 percent of the (i) strength, (ii) fire-resisting qualities or characteristics, or (iii) weather-resisting qualities or characteristics required by law in the case of newly constructed building or like area, height, and occupancy in the same location.

Statutory Authority: *MS s 16B.59; 16B.61; 16B.64; 326B.101; 326B.106; 326B.13*

History: *27 SR 1479; L 2007 c 140 art 4 s 61; art 13 s 4*

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