

ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

IEBC #4

Author/requestor: David Macdonald

Email address: davem@mattsonmacdonald.com

Telephone number: 612-827-7825

Firm/Association affiliation, if any: Minnesota Structural Engineers Association (MnSEA)

Proposed Code Change - Language

1311.404.3 Substantial structural damage to gravity load-carrying components. Gravity load-carrying components that have sustained substantial structural damage shall be rehabilitated to comply with the applicable provisions of the *International Building Code* for ~~dead and live~~ all gravity loads. ~~Snow loads shall be considered if the substantial structural damage was caused by or related to the snow load effects.~~ Existing gravity load-carrying structural elements shall be permitted to be designed for live loads approved prior to the damage. Non-damaged gravity load-carrying components that receive ~~dead, live or snow~~ gravity loads from rehabilitated components shall also be rehabilitated or shown to have the capacity to carry the design loads of the rehabilitation design. New structural members and connections required by this rehabilitation design shall comply with the detailing provisions of the *International Building Code* for new buildings of similar structure, purpose and location.

Proposed Code Change – Need and Reason

This proposed code change will clarify language that may lead to confusion for the building designer. The current language separates snow loads from dead and live loads and treats snow loads as a special case. In Minnesota, snow loading is the critical load condition on roofs and the treatment as a special case allowing separate consideration only if damage is caused by snow load effects is not meaningful. The proposed language refers to all gravity loads and eliminates the isolated consideration of snow loading.

Proposed Code Change – Cost/Benefit Analysis

This proposed code change will result in neither a cost increase or decrease.

Other Factors to Consider Related to Proposed Code Change

1. Is this proposed code change meant to:

change language contained in a published code book? If so, list section(s).
IEBC Chapter 4, section 404 – Repairs, paragraph 404.3

change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

delete language contained in a published code book? If so, list section(s).

delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

neither; this language will be new language, not found in the code book or in Minnesota Rule.

2. Is this proposed code change required by a Minnesota Statute or new legislation? If so, please provide the citation to the Statute or legislation.

No

3. Will this proposed code change impact other sections of a published code book or of an amendment in Minnesota Rule? If so, please list the affected sections or rule parts.

No

4. Will this proposed code change impact other parts of the Minnesota State Building Code? If so, please list the affected parts of the Minnesota State Building Code.

No

5. Who are the parties affected or segments of industry affected by this proposed code change?

Building design engineers.

6. Can you think of other means or methods to achieve the purpose of the proposed code change? If so, please explain what they are and why your proposed change is the preferred method or means to achieve the desired result.

No

7. Are you aware of any federal requirement or regulation related to this proposed code change? If so, please list the regulation or requirement.

No