



DEPARTMENT OF ADMINISTRATIVE SERVICES

PROPOSED CHANGE OF THE CONNECTICUT STATE BUILDING CODE AND FIRE SAFETY CODE

DATE SUBMITTED: \_\_\_\_\_

CODE INFORMATION

Proposed change to:  Building Code  Fire Safety Code

Code section(s): \_\_\_\_\_

PROPONENT INFORMATION

Name: \_\_\_\_\_ Representing: SEACConn - Structural Engineers Association of Connecticut
Telephone: \_\_\_\_\_ Email: \_\_\_\_\_
Address: \_\_\_\_\_
Street Address Town State Zip Code

PROPOSAL INFORMATION

Description of change and reason for change (attach additional information as needed): \_\_\_\_\_

Proposed text change, addition or deletion (attach additional information as needed): \_\_\_\_\_

Supporting data and documents (attach additional information as needed) \_\_\_\_\_

- Proposer's original material checkbox
Proposer's not original material checkbox
In-person presentation checkbox

Release

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Handwritten signature of the proponent over a signature line.

Printed Name

PLEASE EMAIL (PREFERRED) TO DAS.CodesStandards@CT.GOV OR MAIL OR FAX (SEE BELOW)

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**DESCRIPTION FOR CHANGE AND REASON FOR CHANGE:**

The definition for Substantial Structural Damage contains descriptions that utilize confusing, run-on sentences that often lead to misclassification of conditions of Substantial Structural Damage. The intent of this proposal is to provide more clarity to the definition. In addition, it clarifies that Bullet #3 applies to framing components in the plane of the roof (i.e., beams, joists, trusses, etc.); vertical load-carrying components are addressed in Bullet #2.

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**PROPOSED TEXT CHANGE:**

**IEBC 2024 – Substantial Structural Damage**

**Chapter 2 – Section 202**

**[Amd] [BS] SUBSTANTIAL STRUCTURAL DAMAGE.** A condition where any of the following apply:

1. ~~The v~~Vertical elements of the lateral force-resisting system have suffered damage such that the lateral load-carrying capacity of any story in any horizontal direction has been reduced by more than 33 percent from its predamage condition.
  
2. ~~The capacity of any vertical~~Vertical components carrying gravity load, or any group of such components, have suffered damage, and all of the following conditions apply:
  - a. ~~that has a~~The affected tributary area ~~more than~~exceeds 30 percent of the total area of the structure's floor(s) and roof(s).
  - b. ~~The capacity of the affected components~~ has ~~have~~ been reduced more than 20 percent from ~~its~~ their predamage condition, ~~and the~~
  - a-c. ~~The~~ remaining capacity of ~~such~~ the affected elements, with respect to all dead, ~~and~~ live and snow loads, is less than 75 percent of that required by the [\*International Building Code\*](#) for new buildings of similar structure, purpose and location.
  
3. ~~The capacity of any~~Horizontal or sloped structural components carrying snow load, or any group of such components, have suffered damage, and all of the following conditions apply:
  - a. ~~The affected area of the roof that~~ supports more than 30 percent of the roof area of similar construction.
  - b. ~~The capacity of the affected components~~ have ~~has~~ been reduced more than 20 percent from ~~its~~ their predamage condition.
  - b-c. ~~and the~~The remaining capacity of the the affected elements with respect to dead, live and snow loads, is less than 75 percent of that required by the [\*International Building Code\*](#) for new buildings of similar structure, purpose and location.

For purposes of this definition, work done to implement repairs shall not be considered damage that reduces structural capacity.

**Original 2024 IEBC Language:**

**[BS] SUBSTANTIAL STRUCTURAL DAMAGE.** A condition where any of the following apply:

1. The vertical elements of the lateral force-resisting system have suffered damage such that the lateral load-carrying capacity of any story in any horizontal direction has been reduced by more than 33 percent from its predamage condition.
2. The capacity of any vertical component carrying gravity load, or any group of such components, that has a tributary area more than 30 percent of the total area of the structure's floor(s) and roof(s) has been reduced more than 20 percent from its predamage condition, and the remaining capacity of such affected elements, with respect to all dead and live loads, is less than 75 percent of that required by the [International Building Code](#) for new buildings of similar structure, purpose and location.
3. The capacity of any structural component carrying snow load, or any group of such components, that supports more than 30 percent of the roof area of similar construction has been reduced more than 20 percent from its predamage condition, and the remaining capacity with respect to dead, live and snow loads is less than 75 percent of that required by the [International Building Code](#) for new buildings of similar structure, purpose and location.

For purposes of this definition, work done to implement repairs shall not be considered damage that reduces structural capacity.