



UNIFORM BUILDING CODE COMMISSION EXISTING RULE REVIEW FORM

TRACKING NUMBER: **RBTC-43**

CODE CHANGE INFORMATION:

New Edition Year Under Review: 2024 International Residential Code

Page Number in New Edition Under Review:

Originating Committee: Residential Building Technical Code Review

Original Edition Year Modified: 2015

Current Rule Numbering: 748:20-6-13 (8)

Section/Table/Figure Modified: Chapter 8 - Roof-Ceiling Construction, Section R802.7.1.2

EXISTING RULE:

R802.7.1.2 Ceiling joist taper cut. Taper cuts at the ends of ceiling joist shall not exceed one-fourth the depth of the member in accordance with Figure R802.7.1.2. **Exception:** For ceiling joists not carrying more than 25 pounds per square foot of live load (limited attic storage) then taper cuts at end of joists may be able to be increased to D/2.

HISTORICAL INFORMATION:

The original change was made by the 2015 RBTC, with the submitter noting the code was prescriptive and the change would address a potential 3-story structure with joist supporting all levels so taper cut had to be severely limited. They noted on single story structures that have 2x10 or 2x12 joists with less than 8/12 pitches, the requirement would be unachievable; putting a maximum tributary load on the joist system and increasing taper cut end of the joist was a reasonable and practical way to address the issue.

The 2018 committee discussed the change allowed for an exception for taper cut ceiling joists when there was no more than 25 pounds of tributary load; that without the exception there were issues in garages with a 2 x10 or 2 x 12 ceiling with limited attic storage. There was further discussion on the wording in the change related to tributary load and if it should be defined per linear square foot and if it was a live-load or dead-load.

The section has not been modified in the 2024 edition. Staff recommendation is to review the language and determine if it should be kept as written, modified, or removed from the agency's rules.