



MONTGOMERY COUNTY BUILDING REGULATIONS

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CODE ENFORCEMENT POLICY

Issued by
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Chief Building Official

Issued: June 1, 2005 **Effective:** Immediately
Work Affected: Residential Roof Trusses **Building Code:** Residential Code of Ohio, 2004

CODE CLARIFICATION/INTERPRETATION:

Residential construction within Montgomery County is regulated by the Residential Code of Ohio 2004 edition (RCO 2004). RCO Table R301.5 requires attic live loads in various locations. In an effort to clarify these requirements of when to use a 20 psf live load, Montgomery County will allow roof truss engineering to be based on the clarifications adopted by the *International Code Council* at recent public hearings (portions of table not shown do not change):

Table R301.5
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS
(in pounds per square foot)

USE	LIVE LOAD
Attics with limited storage (b, g, h)	20
Attics without storage (b)	10

- b. Applied to attic spaces meeting the requirements in Section R802.4 for conventional ceiling joists and Section R802.10 for trusses. Attics without storage are those where the maximum clear height between joist and rafter is less than 42", or where there are not 2 or more adjacent trusses with the same web configuration capable of containing a rectangle 42" high by 24" wide, or greater, located within the plane of the truss. For attics without storage, this live load need not be assumed to act concurrently with any other live load requirements.
- g. Applied to attic space not meeting the space requirements for storage per footnote b. See Section 802.4 for conventional ceiling joists and Section 802.10 for trusses. For attics with limited storage and constructed with trusses, the live load need only be applied to those portions of the bottom chord of not less than two adjacent trusses with the same web configuration containing a rectangle 42" high or greater by 24" wide or greater, located within the plane of the truss. The rectangle shall fit between the top of the bottom chord and the bottom of any other truss member, provided that each of the following criteria is met:
 - i. The attic area is accessible by a pull-down stairway or framed opening in accordance with Section 807.1; and
 - ii. The truss shall have a bottom chord pitch less than 2:12.
- h. Attic spaces served by a fixed stair shall be designed to support the minimum live load specified for sleeping rooms.

Residential roof truss submittal requirements remain unchanged, and must include:

- Submitter's contact person's name and local daytime phone and fax numbers.
- Project owner's name, project address and permit number.
- Truss framing plan; showing truss locations using mark numbers from engineering drawings. The framing plan must show the entire building; partial or unit plans are not acceptable.
- Truss engineering drawings for each individual truss supplied, including gables, jacks and valleys.
- The truss engineering shall be in accordance with requirements of 2004 RCO, and the above criteria, and submitted in DUPLICATE.
- Each sheet of the truss engineering drawings shall bear the legible seal of an Ohio registered design professional.
- The submittal must clearly and specifically demonstrate compliance with RCO 802.10 Wood Trusses and the revised RCO 301.5. Alternatively, the bottom chord may be designed to support 20 psf live load, applied non-concurrently with any other live load.