

ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

IRC-76, MR 1309.0317

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Proposed Code Change - Language

Please provide your proposed code change in strikeout/underline format. Provide the *specific* language you would like to see changed, with new words underlined and words to be deleted should be ~~stricken~~. Also, state whether the language contained in your proposal is from a code book or from an amendment currently found in Minnesota Rule. (You may provide the language (electronically) on a separate, attached sheet).

~~1309.0317 SECTION R317, DWELLING UNIT SEPARATION.~~

Subpart 1. ~~IRC Section R317.1.~~ IRC Section R317.1 is amended to read as follows:

~~**R317.1 Two family dwellings.** Dwelling units in two family dwellings shall be separated from each other by wall and/or floor assemblies having not less than 1-hour fire resistance rating when tested in accordance with ASTM E 119. Fire resistance rated floor ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend to the underside of the roof sheathing.~~

Exceptions:

~~1. A fire resistance rating of 1/2-hour shall be permitted in buildings equipped throughout with an automatic sprinkler system installed in accordance with NFPA 13.~~

~~2. Wall assemblies need not extend through attic spaces when the ceiling is protected by not less than 5/8-inch (15.9 mm) type X gypsum board and an attic draftstop constructed as specified in Section R502.12.1 is provided above and along the wall assembly separating the dwellings. The structural framing supporting the ceiling shall also be protected by not less than 1/2-inch (12.7 mm) gypsum board or equivalent.~~

~~**R317.1.1 Supporting construction.** When floor assemblies are required to be fire resistance rated by Section R317.1, the supporting construction of such assemblies shall have an equal or greater fire resistive rating.~~

~~Subp. 2. **IRC Section 317.2.** IRC Section 317.2 is amended to read as follows:~~

~~**R317.2 Townhouses.** Each townhouse shall be considered a separate building and shall be separated by fire resistance rated wall assemblies meeting the requirements of Section R302 for exterior walls.~~

~~**Exception:** A common 2 hour fire resistance rated wall is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. Electrical installations shall be installed in accordance with chapters 33 through 42. Penetrations of electrical outlet boxes shall be in accordance with Section R317.3.~~

~~**R317.2.1 Continuity.** The fire resistance rated wall or assembly separating townhouses shall be continuous from the foundation to the underside of the roof sheathing, roof deck, or roof slab and shall extend the full length of the wall including wall extensions through and separating attached accessory structures. Separation shall extend through enclosed soffits, overhangs, and similar projections.~~

~~Subp. 3. **IRC Section R317.4.** IRC Section R317 is amended by adding a new section to read as follows:~~

~~**R317.4 Sound transmission.** Wall and floor ceiling assemblies separating dwelling units, including those separating adjacent townhouse units, shall provide airborne sound insulation for walls, and both airborne and impact sound insulation for floor ceiling assemblies.~~

~~**R317.4.1 Airborne sound.** Airborne sound insulation for wall and floor ceiling assemblies shall meet a Sound Transmission Class (STC) rating of 45 when tested in accordance with ASTM E 90. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating, or exhaust ducts shall be sealed, lined, insulated, or otherwise treated to maintain the required ratings. Dwelling unit entrance doors, which share a common space, shall be tight fitting to the frame and sill.~~

~~**R317.4.2 Structural borne sound.** Floor/ceiling assemblies between dwelling units or between a dwelling unit and a public or service area within a structure shall have an Impact Insulation Class (IIC) rating of not less than 45 when tested in accordance with ASTM E 492.~~

~~**R317.4.3 Referenced standards.**~~

~~**R317.4.3.1** ASTM E 90 04 Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements R317.4.1.~~

~~**R317.4.3.2** ASTM E 492 04 (1996)e Specification for Laboratory Measurement of Impact Sound Transmission through Floor Ceiling Assemblies Using the Tapping Machine R317.4.2.~~

Proposed Code Change – Need and Reason

Please provide a thorough explanation of the need for this change and why this proposed code change is a reasonable change. During the rulemaking process, the Agency must defend the need and reasonableness of all its proposed changes. The Agency must submit evidence that is

has considered all aspects of the proposal. (You may provide the need and reason (electronically) on a separate attached sheet).

This proposal requests the deletion of MR 1309.0317 – Dwelling Unit Separation provisions (R317.1 through R317.4.3) in its entirety and utilize the 2012 IRC model code document text. The sections noted include amended text for the dwelling separation requirements for two-family dwellings and townhouses. The amended language also included the appendix requirements for sound transmission that were relocated to Section R317 by amendment. These provisions have been relocated in the 2012 IRC in Section R302 – Fire-Resistant Construction. It is reasonable to delete this 2007 MSBC amendment language since it is no longer applicable for use in the 2012 IRC by the referenced sections.

Proposed Code Change – Cost/Benefit Analysis

Please consider whether this proposed code change will increase/decrease costs or indicate that it will not have any cost implications and explain how it will not. If there is an increased cost, will this cost be offset somehow by a life safety or other benefit? If so, please explain. Are there any cost increases/decreases to enforce or comply with this proposed code change? If so, please explain. (You may provide the cost/benefit analysis (electronically) on a separate, attached sheet).

There will be additional costs related to the approval of the proposed amendment.

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).

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). **MR 1303.0317**

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?

Parties affected are, building officials, contractors and designers.

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.