

ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

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1346, IMC #11a

Firm/Association affiliation, if any: **AMBO**

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).

Delete Item #3 of proposed amendment to Section 506.4.1 of the 2012 IMC:

506.4.1 Ducts. Ducts and plenums serving Type II hoods shall be constructed of rigid metallic materials. Duct construction, installation, bracing, and supports shall comply with Chapter 6. Ducts conveying moisture-laden or waste heat-laden air shall comply with the following requirements:

1. Ducts shall be constructed, joined, and sealed to prevent drips and leaking.
2. Ducts shall slope not less than one-fourth unit vertical in 12 units horizontal (2 percent slope) toward the hood or toward an approved reservoir.
3. ~~Horizontal ducts exceeding 75 feet (22,860 mm) in length shall slope not less than one unit vertical in 12 units horizontal (8.3 percent slope).~~
4. Ducts subject to positive pressure shall maintain an air pressure test of 1.0 inch water column positive pressure for a minimum of 20 minutes, unless an equivalent alternate test is specified by the building official.

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

This proposed change eliminates the requirement for an increased slope in horizontal ducts exceeding 75 feet in length. This amendment is needed because typical ceiling heights found in most kitchens and adjacent rooms are too low to accommodate such a slope. It is reasonable to not require this increased slope for ducts over 75 feet in length because a Type II duct system does not handle the liquid grease that would normally be generated from commercial kitchen cooking operations. Further, the slope required in subitem 2 in this section is adequate to handle the moisture-laden or waste heat-laden air typically found in Type II duct systems.

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).

The proposed change will decrease construction/installation costs since it does not require an increased pitch in horizontal ducts exceeding 75 feet in length.

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).

Section 506.4.1

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

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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?

None.

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.