

CENTRAL IOWA CODE CONSORTIUM
MEETING NOTICE AND AGENDA
PLUMBING, MECHANICAL & FUEL GAS COMMITTEE
Mac Rae Room, 1551 E M L King Jr Pkwy., Des Moines, IA 50317
February 13, 2019 @ 1:00PM – 4:00PM
AGENDA

- CALL TO ORDER

- ROLL CALL

MEMBER	Present	Absent	
Brian Hamner			
Chuck Gassman			
Brian Rogers			
Justin Jordan			
Dennis Patrick			
Jason Merk			
Dave Losen			
Jim Sanders			

- AGENDA APPROVAL

- PUBLIC COMMENT

- APPROVE MINUTES FROM THE PREVIOUS MEETING

- AGENDA

Addition to IPC 105

- **IPC 105.2 ALTERNATE MATERIALS, METHODS AND EQUIPMENT.** Amended by adding the following section 105.2.2 and exception:

Section 105.2.2 - Uniform Plumbing Code, As Currently Adopted Edition The Uniform Plumbing Code, as prepared and edited by the International Association of Plumbing and Mechanical Officials, as currently adopted and amended by the Plumbing and Mechanical Systems Board, Iowa Department of Public Health, is hereby approved as an alternate equivalent method for design and installation of complete plumbing systems.

This provision recognizes in its entirety the plumbing code as adopted, referenced and/or as found applicable by the Plumbing and Mechanical Systems Board, Iowa Department of Public Health

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

Addition to IMC 202.0

- **IMC 202.0 General Definitions. Smoking.** The lighting or exhaling of tobacco products, cannabis, or similar substances, and the emissions produced by electronic smoking or vaping devices.

No existing definition of smoking. The 2016 version of ASHRAE 62.1 updated their definition of environmental tobacco smoke (ETS) to include electronic cigarettes. This addition impacts the requirements in Table 403.3.1.1 for ventilation rate requirements for smoking lounges. Currently there is no specific language defining vaping as smoking, and to require vape shops to provide mechanical ventilation.

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

Addition to 202.0

- **IMC 202.0 General Definitions. Smoking Lounge. A room, space, or structure where smoking, or the sampling of smoking products is allowed.**

No existing definition of smoking lounge, although listed for ventilation rate requirements in Table 403.3.1.1. This would define a smoking lounge which would include vape shops, and would require minimum ventilation requirements defined in Table 403.3.1.1

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

Amendment to IMC 506.3.13.3

- **IMC 506.3.13.3 Termination location.** Exhaust outlets shall be located not less than 10 feet (3048 mm) horizontally from parts of the same or contiguous buildings, adjacent buildings and adjacent property lines and shall be located not less than 10 feet (3048 mm) above the adjoining grade level. Exhaust outlets shall be located not less than ~~10 feet (3048 mm)~~ **20 feet** horizontally/**vertically** from or not less than ~~3 feet (914 mm)~~ **5 feet** above air intake openings **and/or operable doors and windows** into any building.

We often get complaints from businesses and tenants in downtown areas from the smells from kitchen exhaust from commercial kitchen exhaust being so close. The further distance should help dissipate the odors more effectively

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

Insert to IMC 508.1.1

- IMC 508.1.1 Makeup air temperature.** The temperature differential between makeup air and the air in the conditioned space shall not exceed 10°F (6°C) except where the added heating and cooling loads of the makeup air do not exceed the capacity of the HVAC system. **All kitchen makeup air shall be tempered.**

Exception: Unless a 3rd party test and balance report is submitted to local jurisdiction verifying the kitchen HVAC system is capable of handling the additional load created by non-tempered make up air.

This would help ensure the comfort level of the kitchen is met for staff usage and that local jurisdictions would not have to rely on the kitchen hood installer stating that "the non-tempered make up air won't increase the temperature within the space more than 10 degrees."

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
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Dennis Patrick					
Jason Merk					
Dave Losen					

Amendment to IMC 603.6.1.1

- IMC 603.6.1.1 Duct length.** ~~Flexible air ducts shall not be limited in length.~~ **Flexible air duct shall be limited to 8' (feet).**

In some form or another, we all provide heating and cooling to customers. It should be in all of our interests to install a heating and cooling system to perform at its maximum efficiency. Allowing no limitation on flex duct length takes that away from the consumer. Flex duct is difficult to clean, not nearly as rigid as metal and when not properly installed results in poor performance, a dynamic air flow, pressure loss and increased energy waste and energy costs. This increased usage also decreases the life of the equipment providing the air flow by having to run longer and harder. If installed with a tight kink, compressed or pinched, a study performed in November of 2005 by ASHRAE, concluded up to a 45% pressure drop in 6,8,10, and 12" flex duct installed under some of the conditions listed above. To provide the best product for the end user, I am requesting that section 603.6.1.1 be changed to a limitation of 8' (feet).

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

Insert to IMC 604.3

- IMC 604.3 Coverings and linings.** Coverings and linings, including adhesives where used, shall have a flame spread index not more than 25 and a smoke-developed index 50, when tested in accordance with ASTM E84 or UL 723, using the specimen preparation and mounting procedures of ASTM E2231. Duct coverings and linings shall not flame, glow, smolder or smoke when tested in accordance with ASTM C411 at the temperature to which they are exposed in service. The test temperature shall not fall below 250°F (121°C). Coverings and linings shall be listed and labeled. **The use of an air gap to meet R value requirements for duct insulation shall be prohibited.**

Certain types of duct insulation require the use of an air gap between layers to meet code driven R-value requirements. Often this air gap can be compromised by other construction material on top of or against the duct. Over time, there may be the possibility of the product "settling" which could reduce or eliminate the air gap. Also, it is also difficult for local code officials to verify the correct spacers are installed and also difficult to determine if the spacers required for the air gap are installed at the correct intervals.

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
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Dave Losen					

Addition to IFGC 105.2.2

- 105.2.2 - National Fuel Gas Code (NFPA 54) As Currently Adopted Edition.** The National Fuel Gas Code, as published by the National Fire Protection Association, as currently adopted, amended and/or referenced by the Plumbing and Mechanical Systems Board, Iowa Department of Public Health and/or the Iowa State Fire Marshal, is hereby approved as an alternate equivalent method for complete gas piping systems. Administrative regulations shall be as prescribed in the International Fuel Gas Code, 2018 Edition, as amended in this ordinance.

This provision recognizes the fuel gas standard as adopted, referenced and/or as found applicable by various State agencies. This amendment effectively describes this standard as a legally enforceable document allowing Municipalities the code administration and enforcement functions of Part 2 – Administration and Enforcement of the IFGC.

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
<u>Brian Hamner</u>					
<u>Chuck Gassman</u>					
<u>Brian Rogers</u>					
<u>Justin Jordan</u>					
<u>Dennis Patrick</u>					
<u>Jason Merk</u>					
<u>Dave Losen</u>					

Addition to IFGC 105.2.3

- 105.2.3 - Liquid Petroleum Gas Code (NFPA 58) As Currently Adopted Edition.** The Liquid Petroleum Gas Code, as published by the National Fire Protection Association, as currently adopted, amended and/or referenced by the Plumbing and Mechanical Systems Board, Iowa Department of Public Health and/or the Iowa State Fire Marshal and as referenced in this code, is hereby approved as an alternate equivalent method for complete gas piping systems. Administrative regulations shall be as prescribed in the International Fuel Gas Code, 2018 Edition, as amended in this ordinance

This provision recognizes the fuel gas standard as adopted, referenced and/or as found applicable by various State agencies. This amendment effectively describes this standard as a legally enforceable document allowing Municipalities the code administration and enforcement functions of Part 2 – Administration and Enforcement of the IFGC.

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<u>Jason Merk</u>					
<u>Dave Losen</u>					

Addition to IFGC 310.4

- 310.4 CSST - Bonding Required.** Where alterations, repairs or additions requiring a permit to occur, CSST shall be bonded in accordance with 310.2.1 through 310.2.5, unless deemed technically infeasible by the code official. Technically infeasible shall include, but not limited to, crossing a property line.

An amendment to add section 310.4 was brought forth by a different proponent. The reason statement made under that proposal applies. This proposal simply adds a sentence to the end of that indicating crossing a property line would make an installation technically infeasible. Bonding gas services in a townhome has been very difficult and at times impossible. Requiring a person to trespass in order to achieve a code provision should never be expected. This just clarifies that. Adding clarity ensures all jurisdictions interpret the code the same way which is the intent of the CICC.

MEMBER	Motioned	2nd	YEA	NAY	ABSTAIN
Brian Hamner					
Chuck Gassman					
Brian Rogers					
Justin Jordan					
Dennis Patrick					
Jason Merk					
Dave Losen					

- OTHER BUSINESS
- UPCOMING MEETINGS

March 13th, 2019

- ADJOURNMENT
- Motion and 2nd, passed.

Posted on 1-14-19 at www.capitalcrossroadsvision.com/central-iowa-code-consortium and at the City of Des Moines, 1551 E M L King Jr Pkwy., Des Moines, IA 50317

Form date - 7/25/15