

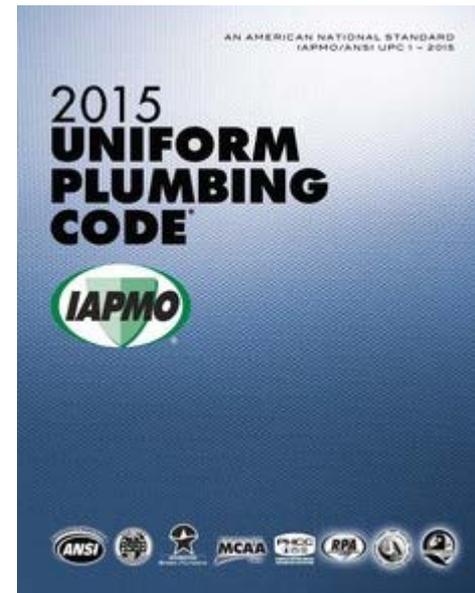
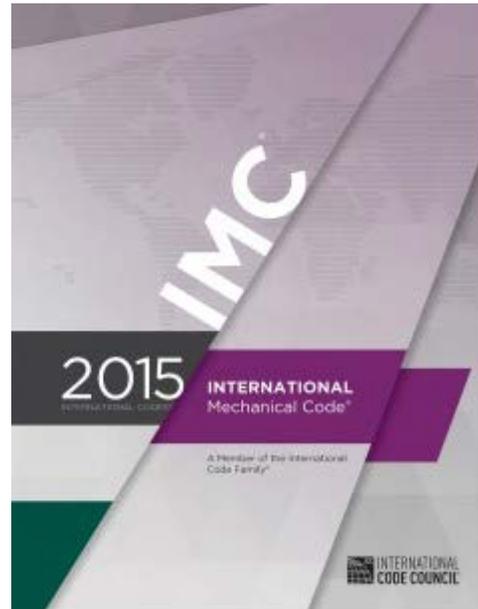
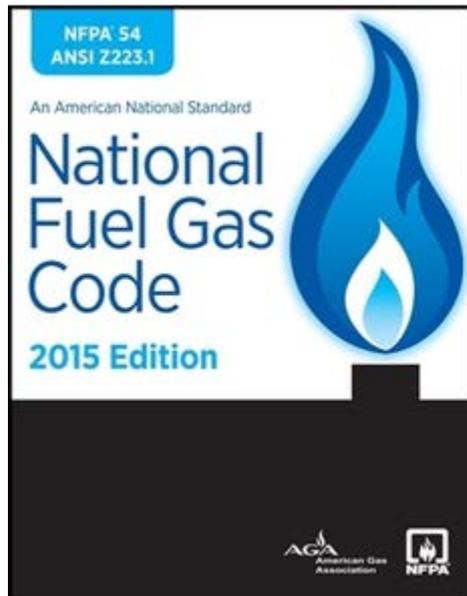
2016 IOWA STATE MECHANICAL CODE



**IOWA STATE
MECHANICAL CODE**

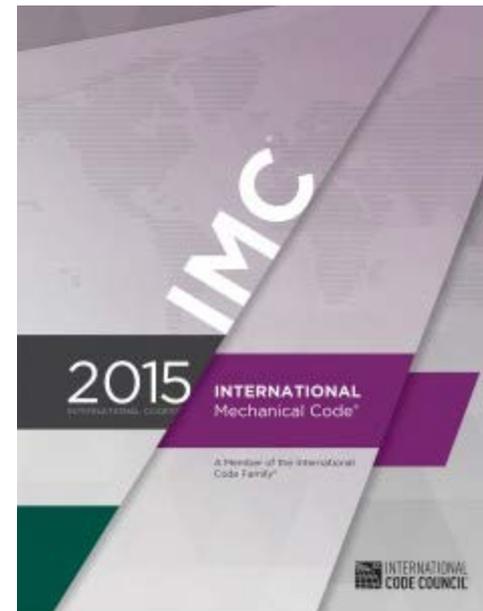
2016 IOWA STATE MECHANICAL CODE

Adopted references are as follows. The 2015 International Mechanical Code, 2015 National Fuel Gas code “ NFPA 54 “, and the state plumbing code (2015 Uniform Plumbing Code)



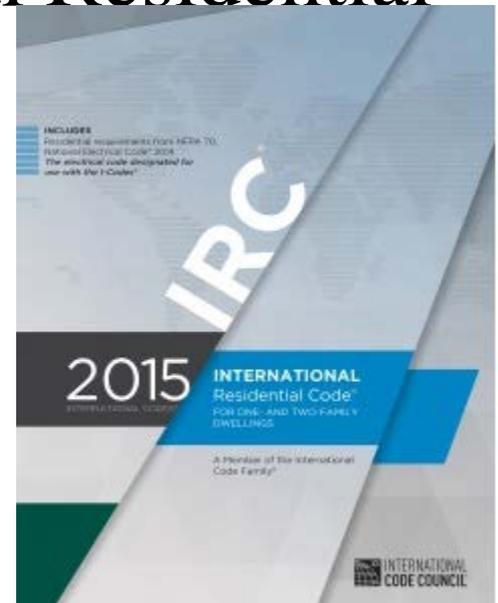
2016 IOWA STATE MECHANICAL CODE

The 2015 International Mechanical Code is used to regulate the design, installation, maintenance, alterations and inspections of mechanical systems that are permanently installed in buildings.



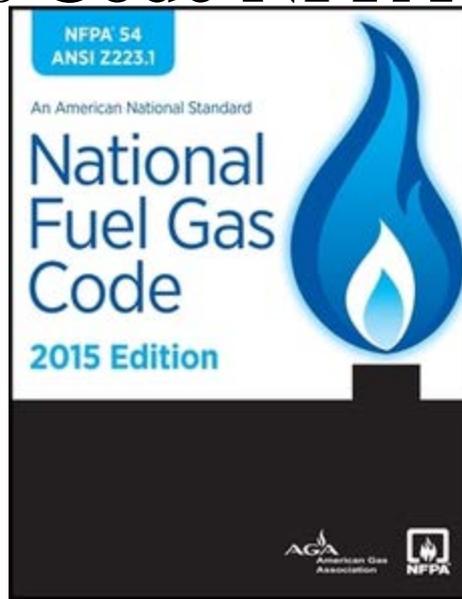
2016 IOWA STATE MECHANICAL CODE

Detached one and two family dwellings and multiple single family dwellings (townhouses) not more than three stories with separate means of egress and their accessory structures shall comply with the 2015 International Residential Code.



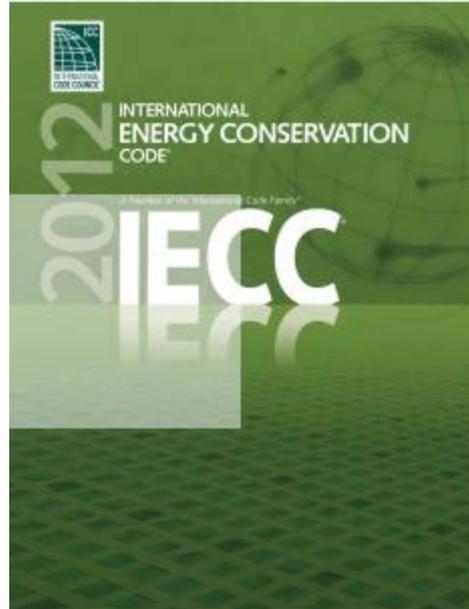
2016 IOWA STATE MECHANICAL CODE

The 2015 IMC does not regulate the installation of fuel gas piping and equipment, fuel gas fired appliances or fuel gas fired appliance venting systems. These shall be regulated by the 2015 National Fuel Gas Code NFPA 54.



2016 IOWA STATE MECHANICAL CODE

301.2 Energy utilization. Heating, ventilation, and air conditioning systems shall be designed and installed for efficient utilization of energy in accordance with the International Energy Conservation Code.



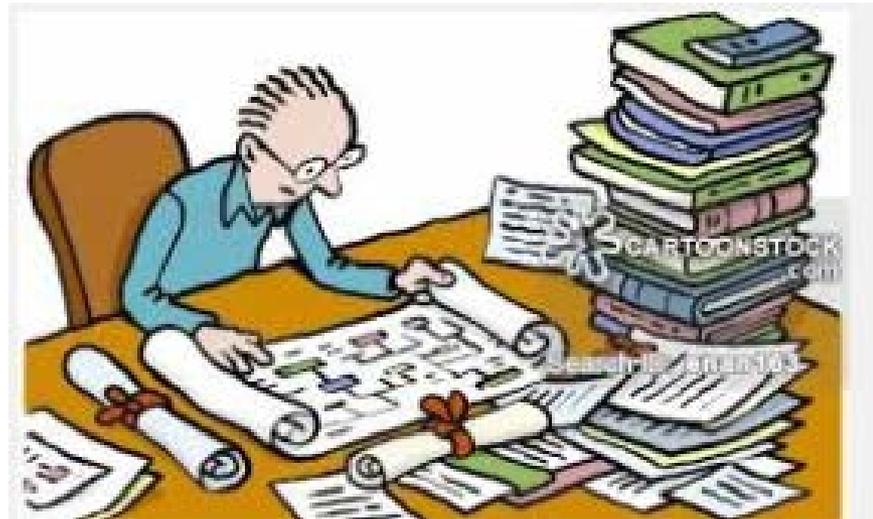
2016 Iowa State Mechanical Code

301.10 Electrical. Electrical wiring, controls, and connections to equipment and appliances regulated by this code shall be in accordance with NFPA 70.



Upcoming Changes and Reminders

- Locking refrigerant caps
- Tinted primer on pvc furnace vents
- Bonding csst
- Inspections



Locking Refrigerant Port Caps

IMC 1101.10 Locking access port caps.

Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper-resistant caps or shall be otherwise secured to prevent unauthorized access.

Exception: This section shall not apply to refrigerant circuit access ports on equipment installed in controlled areas such as roofs with locked access hatches or doors.

Locking Refrigerant Port Caps



Purple Primer

NFPA 54 12.5.3 Plastic Vent Joints.

Plastic pipe and fittings used to vent appliances shall be installed in accordance with appliance manufacturer's installation instructions. Where primer is required, it shall be of a contrasting color.



IMPORTANT

exhaust and intake connections are made of PVC. Use PVC primer and solvent cement when using PVC vent pipe. When using ABS vent pipe, use transitional solvent cement to make connections to the PVC fittings in the unit.

Purple Primer



Purple Primer – NSF Listed

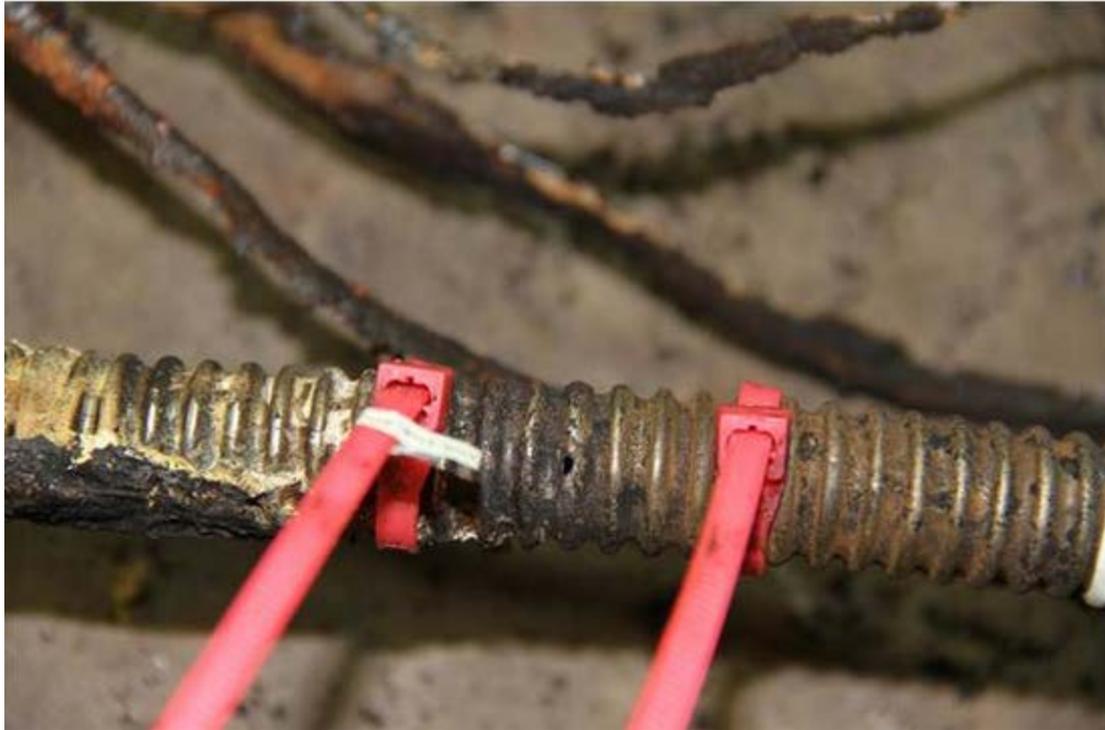
- Purple-tinted aggressive primer for use on PVC and CPVC pipe and fittings.
- Lo-V.O.C. Primer meets California South Coast Air Quality Management District (SCAQMD) 1168/316A or BAAQMD Method 40 and various environmental requirements.
- Removes surface dirt, grease and grime as well as softens the pipe surface to allow a fast, secure solvent weld.
- For use in areas where plumbing code calls for verification that a primer has been used.
- NSF Listed.
- Meets ASTM F-656.



CSST Bonding



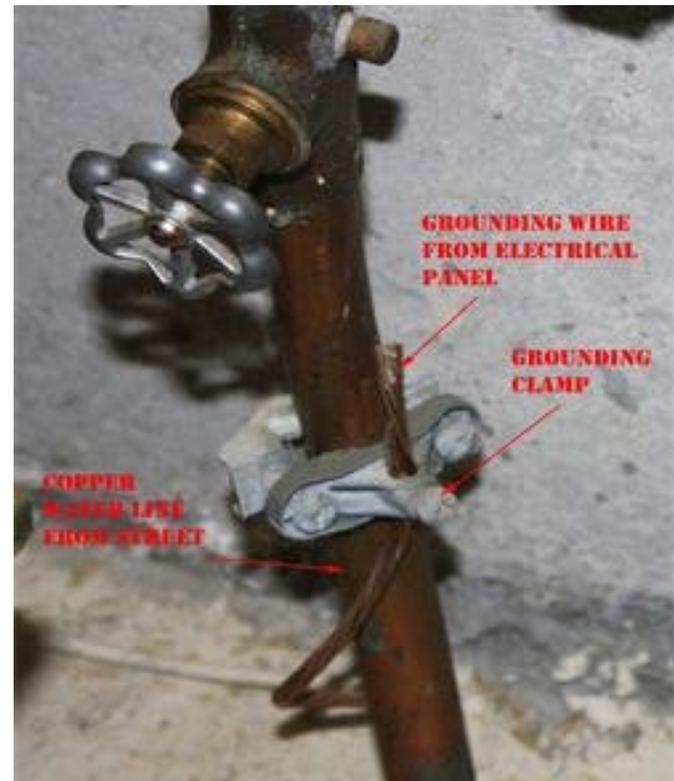
CSST Bonding



CSST Bonding

- **2015 National Fuel Gas Code section 7.13.2 CSST.** CSST gas piping systems, and gas piping systems containing one or more segments of CSST, shall be bonded to the electrical service grounding electrode system or, where provided, lighting protection grounding electrode system.

Csst Bonding





DEPARTMENT OF DEVELOPMENTAL SERVICES

CITY OF CEDAR FALLS, IOWA
220 CLAY STREET
CEDAR FALLS, IOWA 50613
PHONE 319-273-8606
FAX 319-273-8610

COPY

Iowa
July 20, 2011

To All Area Mechanical and Plumbing Contractors:

In an effort to maintain a high level of safety throughout the City of Cedar Falls, Inspection Services, Cedar Falls Utilities and the Cedar Falls Fire Marshal have developed procedures that will ensure the safe use of Corrugated Stainless Steel Tubing (CSST). They are as follows:

1. Air testing and inspections by Cedar Falls Utilities.
2. Bonding in accordance with 2009 Uniform Mechanical Code (UMC) Section 1312.13(B) for all new installations of CSST.
3. Installation in accordance with manufacturer's instructions.
4. **NEW PROCEDURE - EFFECTIVE IMMEDIATELY - CSST in all existing installations will be bonded in accordance with UMC Section 1312.13(B) whenever a permit is taken out for any gas-burning appliance.**
5. Note: Insert will be included in CFU bills regarding CSST bonding.

Please call my office with any questions or comments.

Sincerely,

John Henderson
Mechanical Inspector

Rick Coffman
Plumbing Inspector

JH:RC:mc

xc: Craig Witry, Building Official
Desi Duggan, Fire Marshal

107.2 REQUIRED INSPECTIONS and TESTING

- The requirements of this section shall not be considered to prohibit the operation of any heating equipment or appliances installed to replace existing heating equipment serving an occupied portion of a structure provided that a request for inspection of such heating equipment has been filed with the department not more than 48 hours after such replacement work is completed.

QUESTIONS?

