

ADDITIONS, DELETIONS, AND AMENDMENTS

TO THE

INTERNATIONAL MECHANICAL CODE

2009

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The word “ADD” preceding a provision of this section means that such provision is thereby added to and made a part of the International Mechanical Code/2009 as though fully set forth at the referenced section.

The word “DELETE” preceding a provision of this section means that such provision deletes the reference section from the International Mechanical Code/2009.

The word “AMEND” preceding a provision of this section means that such provision amends the referenced section of the International Mechanical Code/2009 to read as provided and that such provision is added to and made a part of such code as though fully set forth at the referenced number.

CHAPTER 1 - SCOPE AND ADMINISTRATION

SECTION 101 GENERAL

AMEND: **101.1 Title.** These regulations shall be known as the Mechanical Code of the City of Champaign, hereinafter referred to as “this code.”

SECTION 105 APPROVAL

DELETE: **105.1 Modifications**

SECTION 106 PERMITS

AMEND: **106.3.3 Time limitation of application.** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the code official shall have the authority to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

AMEND: 106.4.1 Approved construction documents. Approved construction documents shall not be changed, modified or altered without authorization from the code official. Work shall be done in accordance with the approved construction documents.

The code official shall have the authority to issue a permit for the construction of a part of a mechanical system before the construction documents for the entire system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his or her own risk without assurance that the permit for the entire mechanical system will be granted.

AMEND: 106.4.3 Expiration. Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work recommences, a new permit shall be obtained and the fee paid.

AMEND: 106.4.4 Extensions. A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the permittee will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 90 days if there is reasonable cause. A permit shall not be extended more than once.

DELETE: 106.4.6 Retention of construction documents.

DELETE: 106.4.7 Previous approvals.

DELETE: 106.5 Fees.

DELETE: 106.5.1 Work commencing before permit issuance.

DELETE: 106.5.2 Fee Schedule.

DELETE: 106.5.3 Fee Refunds.

ADD: 106.5 Fee Schedule. The fees for mechanical permits shall be non-refundable and shall be based upon the contract price of the mechanical work being performed as determined by the following schedule:

1. HVAC Installations: Thirteen dollars (\$13) per thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55).

2. Fire Suppression Systems: Thirteen dollars (\$13) per thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55).
3. Refrigeration Equipment: Thirteen dollars (\$13) per thousand dollars (\$1,000) of the contract price, but not less than fifty-five dollars (\$55).
4. Fireplaces: Forty-five dollars (\$45) per unit.

For all work commenced without a permit for which a permit is required, the fee shall be double the regular permit fee and all work shall be made to comply with the provisions of this code.

SECTION 107 INSPECTIONS AND TESTING

AMEND: **107.4.1 Revocation.** The code official is authorized to suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, on the bases of incorrect information supplied, or where it is determined that the building or structure, premise or portion thereof is in violation of any ordinance or regulations or any of the provisions of this code.

SECTION 108 VIOLATIONS

AMEND: **108.4 Violation penalties.** Any person, firm or corporation violating any of the provisions of this code or failing to comply with any of the requirements hereof or who constructs, alters or repairs mechanical equipment or systems in violation of an approved plan or directive of the Code Official, or of a permit or certificate issued under the provisions of this code, shall be subject to the penalties set out in Section 1-21 of the Municipal Code of Champaign, 1985, as amended.

AMEND: **108.7.3 Connection after order to disconnect.** A person shall not make energy source connections to mechanical systems regulated by this code which have been disconnected or ordered to be disconnected by the code official, or the use of which has been ordered to be discontinued by the code official until the code official authorizes the reconnection and use of such mechanical system.

SECTION 109 MEANS OF APPEAL

DELETE: **SECTION 109: MEANS OF APPEAL.**

ADD: **SECTION 109: MEANS OF APPEAL.** Pursuant to Sections 2-444 through 2-447 of the Municipal Code of Champaign, 1985, as amended, the owner of a building or structure or any other aggrieved person may appeal in writing to the Code Enforcement Board of Appeals a decision of the Fire

Chief or Fire Chief's designee refusing to issue a permit or grant a modification of the provisions of this code.

CHAPTER 6 – DUCT SYSTEMS

SECTION 603, DUCT CONSTRUCTION AND INSTALLATION

- AMEND: 603.5 Nonmetallic ducts.** Nonmetallic ducts shall be constructed with Class 0 or Class 1 duct material in accordance with UL 181. The maximum air temperature within nonmetallic ducts shall not exceed 250°F (121°C). Fibrous glass air ducts (duct board) are **not** permitted in any use group.
- AMEND: 603.9 Joints, seams and connections.** All longitudinal and transverse joints, seams and connections in metallic and non-metallic ducts shall be constructed as specified in SMACNA *HVAC Duct Construction Standards – Metal and Flexible*. All joints, longitudinal and transverse seams and connections in ductwork shall be securely fastened and sealed with welds, gaskets, mastics (adhesives), mastic-plus-embedded-fabric systems, liquid sealants or tapes. Closure systems used to seal ductwork *listed* and *labeled* in accordance with UL 181A shall be marked “181A-P” for pressure-sensitive tape, “181 A-M” for mastic or “181 A-H” for heat-sensitive tape. Closure systems used to seal flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked “181B-FX” for pressure-sensitive tape or “181B-M” for mastic. Duct connections to flanges of air distribution system *equipment* shall be sealed and mechanically fastened. Mechanical fasteners for use with flexible nonmetallic air ducts shall comply with UL 181B and shall be marked “181B-C.” Closure systems used to seal metal ductwork shall be installed in accordance with the manufacturer's installation instructions. Unlisted duct tape is not permitted as a sealant on any metal ducts.

Exception: Continuously welded and locking-type longitudinal joints and seams in ducts operating at static pressures less than 2 inches of water column (500 Pa) pressure classification shall not require additional closure systems.

CHAPTER 10 – BOILERS, WATER HEATER AND PRESSURE VALVES

SECTION 1007 BOILER LOW-WATER CUTOFF

ADD: **1007.3 Boiler Installers, Contractors and Repair Organizations.** Boilers with a BTU input of 200,000 or greater must meet the following State requirements:

- 1) Low Pressure Hot Water Heating Boilers
 - a. 2 temperature limit controls are required, 1 must be equipped with a manual reset. Each control is required to have its own sensing element.
 - b. 1 low water fuel cutoff equipped with a manual reset is required with a means to test the control.
- 2) Low Pressure Steam Heating Boilers
 - a. 2 pressure limit controls are required, 1 must be equipped with a manual reset.
 - b. 2 low water fuel cutoffs are required and the lower set cutoff must have a manual reset.
- 3) High Pressure Steam Boilers
 - a. 2 pressure limit controls are required, 1 must be equipped with a manual reset.
 - b. 2 low water fuel cutoffs are required and the lower set cutoff must have a manual reset.