



**MECHANICAL CODE AMENDMENTS
TO THE**

**2015
INTERNATIONAL
MECHANICAL
CODE**

AMEND Section 101.1 as follows:

101.1 Title

These regulations shall be known as the Mechanical Code of the **City of Bartlett**, hereafter referred to as “this code.”

ADD Section 101.1.1 as follows:

101.1.1 References

All references to the International Code Council Electrical Code are to be replaced with the 2014 National Electrical Code.

ADD 301.1 #1 as follows:

301.1 #1 Inspection

All work concealed prior to inspection and or test shall be uncovered in its entirety for the inspector and subject to any reinspection fees.

ADD Section 301.7.1 as follows:

301.7.1 Location for Power Interruption

Means for interrupting the electrical supply to the air conditioning/heating equipment or to its associated cooling tower shall in no case be installed farther than six feet (6') from the service side of the equipment.

ADD Section 301.15.1 as follows:

301.15.1 Engineered letter is required for installation of seismic restraints on mechanical systems.

ADD Section 303.4.1 as follows:

303.4.1 Protection Against Physical Damage

In concealed locations where piping other than cast iron or galvanized steel is installed through holes or notches in studs, joists, rafters or similar members less than 1.5 inches from the nearest edge of the member, the pipe shall be protected by shield plates. Protective shield plates shall be a minimum of 0.062 inch thick steel and shall cover the area of the pipe where the member is notched or bored, and shall extend a minimum of 2 inches above sole plates and below top plates.

ADD Section 304.6.1 as follows:

304.6.1 Installation in Garages

Gas-fired water heaters or central furnaces shall not be installed in residential or public garages. Combustion air ducts shall not terminate in a residential or public garage. Doors in garages accessing gas fired appliances in closets, furnace rooms, etc. shall be weather stripped to provide an air tight seal which will prevent gasoline vapors from entering the appliance closet or room.

DELETE Section 306.3 Exception Entirely

ADD Section 306.3.1.1 as follows:

306.3.1.1 Mechanical Equipment in Attics

Every attic or furred space in which mechanical equipment is installed shall be made accessible.

ADD Section 306.3.2 as follows:

306.3.2 Accessibility

Attics shall be accessible by a pull-down stairway, permanent ladder or permanent stairway.

AMEND Section 306.5 by ADDING Items #11 and #12 as follows:

#11) Access to appliance units installed above drop ceilings, equipment height of 10 feet or more must have service platform on service side of equipment.

#12) A 120 volt, single phase, 15 or 20 ampere rated receptacle outlet shall be installed at a readily accessible location for the servicing of the heating, air conditioning and refrigeration equipment. The disconnecting means for heating, air conditioning and refrigeration equipment shall in no case be installed farther than 6 feet from the service side of the equipment.

ADD Section 307.2.1.1 through 307.2.1.3 as follows:

307.2.1.1 Condensate on Roof

A roof top unit shall not spill on a roof unless there is a minimum of 350 square feet of roof area per ton of cooling capacity. The condensate discharge on the surface of the roof shall be a minimum of 40 feet from the nearest roof drain, gutter or downspout (existing only).

307.2.1.2 Governing Code

Mechanical code shall govern the installation and servicing of condensate, overflow, and flow-down drains from air conditioning, refrigeration, mechanical, and process systems. None of these shall be connected to the plumbing system, except through an approved indirect waste receptacle or house side of the active trap.

307.2.1.3 Air Gap

The air gap between the indirect waste and the building drainage system shall be at least twice the effective diameter of the drain served and shall be provided by the following:

- 1) Extending the indirect waste pipe to an open, accessible floor drain, floor sink, or hub drain, which is properly trapped and vented. The indirect waste shall terminate a sufficient distance above the floor level rim to provide the required air gap.
- 2) Mechanical contractor may connect to indirect waste opening provided by plumbing contractor by one of the following:
 - a) A direct connection may be made with an approved flexible coupling.
 - b) Air gaps shall be required between mechanical contractor's drain and waste receptacle in all food handling establishments.

ADD Section 307.2.2.1 as follows:

307.2.2.1 Drain Lines

Condensate drain lines from coil drip pan outlet may be ¾ inch minimum with a maximum horizontal run of two feet (2'). Any drain exceeding two feet (2') shall be a minimum of 1 ¼ inches. No tubing allowed. Contractor shall use approved DWV fittings. ¾" drain pan lines shall be allowed to be connected for two drain pans only. Third drain pan shall be installed separately.

DELETE Section 307.2.3 Item #1 entirely and ADD #4 as follows:

1. Auxiliary drain pans shall be installed under all coils containing a liquid or a gas on which condensation will occur or units containing coils located in attic spaces, suspended ceiling spaces, furred spaces or any area where damage could occur to the building, building contents, or building occupants due to an overflow of the equipment drain pan or a stoppage in the condensate drain piping. Auxiliary pans shall have a minimum depth of 1 1/2 inches and shall be not less than 3 inches larger than unit or coil dimensions in width and length and shall be constructed of not less than 2 gauge galvanized sheet steel or of high impact plastic which must have prior approval of the Chief Mechanical Inspector. No PVC or high-impact plastic shall be installed in any space used as part of a return air system. A separate drain line shall be extended from this pan terminating at a conspicuous point to serve as an alarm that the regular drain is restricted. A water level detector or float switch to control overflow may be used in auxiliary drain pans in lieu of a drain line, when approved by the Chief Mechanical Inspector.
4. Evaporator coils located under a house shall have an emergency drain pan installed. A separate drain line shall be run to a conspicuous point to indicate a problem with the primary drain. A float switch may be used in lieu of a drain line when approved by the Chief Mechanical Inspector.

ADD to Section 307.2.3 #5 as follows:

5. When condensate drains cannot be connected as per the technical codes, a design shall be submitted by a licensed mechanical engineer for approval by the Code Official. French drain subject to prior approval. When condensate drains cannot be connected as per the technical codes, they shall have prior approval by the Chief Mechanical Inspector.

ADD to Section 307.2.3 #6 as follows:

6. Where a drain pan line cannot be installed for upflow furnaces with returns below furnaces a float switch shall be installed on the secondary drain at coil or separate condensate line to be ran to an auxiliary drain pan with a float switch installed.

ADD to Section 307.2.3 #7 and #8 as follows:

7. Install nail guards to protect drain pan lines where punctures might occur. Guards shall be a minimum of 0.062 inch thick steel.
8. Install PVC 90 degree elbow at $\frac{3}{4}$ inch drain pan line horizontal termination to outside.

ADD Section 504.6.1 as follows:

504.6.1 Domestic Clothes Drying Ducts

Under slab dryer ducts shall be smooth wall schedule 40 PVC and terminate 12" above the exterior grade.

ADD Section 506.1.1 as follows:

503.1.1 Commercial Kitchen Hood Ventilation System Ducts

Commercial kitchen hood ventilation system ducts and exhaust equipment shall comply with Section 506 or NFPA 96 (most current edition).

ADD Exception to 507.2.3.1 as follows:

Exception: Specialty use requesting to use a domestic stove with 4 or less burners with a residential type hood vented to the outdoors with a residential fire suppression system must have prior approval of the Chief Mechanical Inspector.

ADD Section 507.2.4.1 as follows:

507.2.4.1 Spark Arresters

All solid fuel cooking equipment must have spark arresters at hood.

ADD Section 606.2.1.1 as follows:

606.2.1.1 Smoke Detectors-2000 CFM's or Less

Recirculating air systems with a fan capacity of 2000 cfm's or less but serving an area used for egress shall have automatic shut down.

ADD Section 918.7 as follows:

918.7 Return Air Requirements

All habitable space shall have a return sized accordingly for that space.

Exception: All prohibited sources in accordance with Section 918.6.

ADD Section 1101.3.1 as follows:

1101.3.1 Striker Plates

Install striker plates with a minimum of 0.062 thickness/steel to protect refrigerant lines where punctures might occur.

ADD the Following:

Chapter 15 Referenced Standards.