



CITY OF BARTLETT

MECHANICAL CODE
AMENDMENTS
TO THE

2021

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 TN, hereafter referred to as “this code.”

AMEND Section 103.1 as follows:

103.1 Creation of agency. The City of Bartlett, TN Code Enforcement Department is hereby created and the official in charge thereof shall be known as the *code official*. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

AMEND Section 106.1 as follows:

106.1 Permit required. A licensed *Mechanical Contractor* who desires to construct, enlarge, alter, move, demolish or change the *occupancy* of a building or structure, or to erect, install, remove, convert or replace any mechanical system, the installation of which is regulated by this code, or to cause any such work to be performed, shall first make application to the code official and obtain the required permit for work.

AMEND Section 202 as follows:

Board of Appeals. Whenever the term “Board of Appeals” is used in the City of Bartlett Mechanical Code herein adopted, it shall mean the Code Appeals Board of Bartlett, Tennessee.

Building Department. Whenever the term “Building Department” is used in the technical codes herein adopted, it shall mean the Office of Code Enforcement of Bartlett, Tennessee.

Building Official. The officer or the other designated authority, or their duly authorized representative, charged with the administration and enforcement of the technical codes.

Chief Appointing Authority. Whenever the term “Chief Appointing Authority” is used in the technical codes herein adopted, it shall mean the Mayor of the City of Bartlett, Tennessee.

City Municipality or Governing Body. Whenever the word “City” or “Municipality” or “Governing Body” is used in the technical codes herein adopted, it shall mean the City of Bartlett, Tennessee.

Code Official. Whenever the term “*Code Official*” is used in the City of Bartlett Mechanical Code herein adopted, it shall mean the **Director** of the City of Bartlett Code Enforcement.

International Building Code. Whenever the words “International Building Code” are used in the codes herein adopted, they shall mean the 2021 International Building Code with City of Bartlett TN amendments.

International Electrical Code. Whenever the words “International Electrical Code” are used in the codes herein adopted, they shall mean the 2017 National Electrical Code (NEC) with City of Bartlett TN amendments.

International Fuel Gas Code. Whenever the words “International Fuel Gas Code” are used in the codes herein adopted, they shall mean the 2021 International Fuel Gas Code with City of Bartlett TN amendments.

International Mechanical Code. Whenever the words “International Mechanical Code” are used in the codes herein adopted, they shall mean the 2021 International Mechanical Code with City of Bartlett TN amendments.

International Plumbing Code. Whenever the words “International Plumbing Code” is used in the codes herein adopted, they shall mean the 2021 International Plumbing Code with City of Bartlett TN amendments.

International Residential Code. Whenever the words “International Residential Code” is used in the codes herein adopted, they shall mean the 2018 International Residential Code with City of Bartlett TN amendments.

Mechanical Contractor. Whenever the term “Contractor” is used in the Technical Codes herein adopted, it shall mean a contractor who holds a current Mechanical license issued by State of Tennessee or Shelby County Construction Code Enforcement.

State of Tennessee Licensed Plumbing Contractor. Defined as a Contractor licensed by the State of Tennessee who is not required to have a journeyman plumber or apprentice plumber on the job site. Also, employees are not required to be registered.

Workmanship. Workmanship shall mean that the mechanical system be installed uniform in slope, plumb, and level (as required) without stress or strain to piping or structure as required by Other sections of the Code. Valves, pipes and fitting shall be installed in correct relationship to the direction of flow.

ADD Section 106.3.1 as follows:

106.3.1 Structural Inspection.

Upon replacement of a roof top unit in excess of 5 tons of cooling for commercial businesses, a letter from a registered structural design professional is required to verify the new load is within tolerance of the existing structure.

ADD Section 301.10.1 as follows:

301.10.1 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 6 feet from the service side of the equipment.

ADD Section 301.15.1 as follows:

301.15.1 Seismic Protection of Mechanical Systems. Engineered letter is required for installation of seismic restraints on mechanical systems.

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.

ADD Section 306.3.2 as follows:

306.3.2 Accessibility. Attics **containing mechanical equipment** shall be accessible by a pull-down stairway, permanent ladder or permanent stairway.

ADD Section 301.10.1 and 301.10.2 as follows:

301.10.1 Mechanical equipment disconnect. The disconnecting means for heating, air conditioning and refrigeration equipment shall in no case be installed farther than 6 feet (1.83 M) from the service side of the equipment.

301.10.2 Mechanical equipment service receptacle requirements. A 120 volt, single phase, 15 or 20 ampere rated receptacle outlet shall be installed within 25 feet (7.62 M) of the service side of the heating, air conditioning and refrigeration equipment.

ADD Section 307.2.1.1 thru 307.2.1.3 as follows:

307.2.1.1 Condensate discharge.

Exception: 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. **This will only be allowed for existing systems only.**

307.2.1.2 Alternate condensate disposal. When the condensate drain(s) cannot be connected to the drainage system as determined by the Mechanical Inspector, an alternate method of disposal may be used with prior approval from Mechanical Inspector.

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 shall be ¾ inch minimum with a maximum horizontal run of 2 feet. Any drain exceeding 2 feet shall be a minimum of 1 ¼ inches. No tubing allowed. Contractor shall use approved DWV fittings. ¾ inch drain pan lines shall be allowed to be connected for two drain pans only. Third drain pan shall be installed separately.

ADD to Section 307.2.3 #5 as follows:

5. Install PVC 90 degree elbow at ¾ inch drain pan line horizontal termination to outside.

ADD Section 504.9.2.1 as follows:

504.9.2.1 Underground domestic clothes drying ducts. Under slab dryer ducts shall be smooth wall schedule 40 PVC and terminate 12 inches above the exterior grade.

ADD Section 506.1.1 as follows:

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

ADD Exception to 507.1.2.1 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 Mechanical Inspector.

ADD Section 507.2.2.1 as follows:

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