

Building Code Enforcement

MECHANICAL INSPECTION

1. Appliances shall be accessible for inspection, service, repair, and replacement without removing permanent construction.
2. 30" of working space and platform shall be provided in front of the control side to service an appliance.
3. Room heaters shall be installed with at least an 18" working space.
4. Mechanical rooms shall be sealed at floor and ceiling.
5. Fresh air and combustion air shall be provided and ceiling penetrations sealed and extend at least 6 inches above top of ceiling joist.
6. Attic installation shall comply with passageway access and work area flooring. 22 x 36 access within 20' of equipment, 24" walk way to equipment, 30" platform on access side of equipment.
7. Return air chambers in garage area or unconditioned space shall be sheetrocked, sealed, and insulated or plenum can be built of sheet metal with 1" thickness and 1 ½ lb. density liner. When using sheetrock it must be installed to wall before platform is built to properly seal platform, platform shall be insulated.
8. All metal duct seams must be sealed with two wraps of duct tape and fastened by at least 3 sheet metal screws, UL 181.
9. All flex duct must be installed and supplied as per manufacturer's suggestion.
10. All duct work must be strapped and supported.
11. Refrigerant lines shall be insulated and chase sealed at entry and exit points.
12. Combustion and fresh air vents shall be metal.
13. Unit vents shall be B-vent from unit upward unless stated otherwise by manufacturer.
14. Fire dampers shall be provided in rated partitions.
15. Standard – 603.

City of Russellville

Mechanical Codes

Adopted September 14, 1995

The *City Council* of Russellville, Arkansas has determined that it is in the best interest of the citizens of Russellville for the City to adopt a Code of Regulations governing the installation of heating and air-conditioning systems.

The State of Arkansas Mechanical Code, as recommended by the Southern Building Code Congress, being particularly the 1991 Edition thereof, save and except such portions as amended in below. These rules and regulations are adopted in an attempt to ensure safe mechanical installations including alterations, repairs, replacements, equipment, appliances, fixtures, fittings and appurtenances to safeguard life, health, and the public welfare.

The Building Official, his assistants, or any individual assigned by the Mayor, shall be the "Administrative Authority" authorized to enforce the provisions of the Mechanical Code.

The aforementioned Code shall be amended as follows:

- Flex duct shall be allowed only on branch lines;
- Flex duct shall be no longer than six (6) feet in length;
- Mechanically approved fittings are required for all turns;
- Mechanically approved fittings are required for take off;
- Fiber duct shall not be allowed;
- The following fee schedule shall be substituted for the "Schedule of Permit Fees" found at Appendix B of the Mechanical Code:

Residential Inspections:

One (1) unit.....\$30.00
For each additional unit.....\$10.00

Commercial Inspections:

For up to four (4) units.....\$50.00
For each additional unit over and above
(4) units.....\$10.00

Note: One (1) unit consists of one (1) a.c. unit
and (1) heating or combination heat and air unit.)

Inspection of Alterations:

The fee for inspecting alterations and additions to an existing system shall be \$15.00 unless a new unit is installed.

Reinspection:

In case it becomes necessary to make a reinspection of a heating, ventilation, air-conditioning or refrigeration system, the installer of such equipment shall pay a reinspection fee of \$20.00.

Temporary Inspections:

When preliminary inspection is requested for purposes of permitting temporary operation of a heating, ventilating, refrigeration, or air-conditioning system, or portion thereof, a fee of \$20.00 shall be paid by the contractor requesting such preliminary inspection. If the system is not approved for temporary operation on the first preliminary inspection, the usual reinspection fee shall be charged for each subsequent preliminary inspection for such purpose.

Penalty – Arkansas state law (Arkansas Code Annotated § 14-55-102) empowers municipal corporations to adopt ordinances to provide for the safety, health, comfort, and convenience of inhabitants of the city. Violations of the mechanical code shall be considered a violation of the ordinance, and shall be punishable as a misdemeanor offense. Violation of any of the provisions of the mechanical code adopted as a result of the Ordinance or other provisions of the Ordinance shall be punishable by a fine up to \$250.00. Each day that said violation continues shall be a separate offense and each day subsequent to the first day of violation shall be punishable by a fine of up to \$250.00 per day.