



Pat Brister
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RULE
Department of Public Safety and Corrections
Uniform Construction Code Council

Uniform Construction Code Council (LAC 55:VI.301 and 301)

In accordance with the provision of R.S. 40:1730.22 (C) and (D), R.S. 40:1730.28, relative to the authority of the Louisiana State Uniform Construction Code Council (LSUCCC) to promulgate and enforce rule and in accordance with R.S. 49:953 (B), the Administrative Procedure Act, the Department of Public Safety and Corrections, Office of State Fire Marshal, Louisiana State Uniform Construction Code Council (LSUCCC) hereby amends and adopts the following Rule regarding construction codes and registration by replacing the Louisiana one- and two- family supplement to the 2006 *International Mechanical Code* with the 2012 IRC Part V-Mechanical.

Substitute Chapter 11, Energy Efficient of the 2009 IRC in lieu of Chapter 11 Energy Efficiency of the 2012 IRC.

International Mechanical Code (IMC), 2012 Edition, and the standards referenced in that code for regulation of construction within this state. (Commercial)

Amend Section N1103.2.2 Sealing, Ducts, air handlers, filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with Section M1601.4. Duct leakage testing shall be performed by individuals certified to perform duct leakage tests by a nationally recognized organization that trains and provides certification exams for the proper procedures to perform such tests. The responsible BCEO shall accept written duct leakage test reports from these certified individuals to verify the minimum requirements of Section N1103.2.2 Sealing are attained.

Joints and seams shall comply with section M160.1.4. Duct tightness shall be verified by either for the following:



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Post-Construction Test. Leakage to the outdoors shall be less than or equal to 8 cfm (3.78 L/s) per 100ft² (9.29m²) of conditioned floor area or a total leakage less than or equal to 12 cfm (5.66L/s) per 100ft² (9.29m²) of conditioned floor area when tested at a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler end closure. All register boots shall be taped or otherwise sealed during the test.

Rough-In Test. Total leakage shall be less than or equal to 6 cfm (2.83 L/s) per 100ft² (9.29m²) of conditioned floor area when tested at a pressure differential of 0.1 inch w.g. (25 Pa) across the roughed in system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 4 cfm (1.89L/s) per 100ft² (9.29m²) of conditioned floor area.

Exception: Duct tightness test is not required if the air handler and all ducts are located within *conditioned space*.

- All Duct insulation, return and supply shall remain R6 until changed by State Legislation
- Dryer exhaust duct maximum has been increased from 25' to 35'. Must be all metal with smooth interior. 90° ells count for 5' and 45° ells for 2.5'.
- Bath Exhaust Flex Duct cannot be longer than 14'. If exhaust run in longer than 14' it must be some rigid metal duct. Duct connections must have foil tape or other UL181 tape or straps.
- HVAC Systems for garages must be an independent system. It cannot serve both dwelling unit and garage.
- Range Hoods shall discharge to the outdoors through a single wall duct with smooth interior. Hoods that exhaust over 400cfm must be provided with makeup air equal to the exhaust. Makeup air must be equipped with means of closure that operates simultaneously with exhaust system.
- All supply and return ducts must be hung at intervals of no more than 4' and as



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straight as possible with minimal sagging. No sharp bends in ducts at connections to plenums or ceiling boxes. Ducts shall have separation between collars and not cross and touch. Ducts crossing walkways in attics shall be hung high enough not to obstruct passage. Webbing shall be wide enough and not bunched up so as not to cause restrictions or smashing of insulation. Remember every seam, joint or connection must be sealed.

- A/C Primary drain lines must be insulated all the way to and including the trap.
- At least one thermostat per dwelling must be programmable capable of controlling heating and cooling daily.
- Refrigerant access ports located outside shall have locking type caps or units shall be otherwise secured to prevent unauthorized access.
- Proper nail protection is needed where pipes are concealed and pass through holes or notches with less than 1-1/2" from edge. Shields shall have minimal thickness of 0.0575" or 16 gage and shall extend above sole plates and below top plates.