Residential Air Conditioning Installation Guidelines for the 2010 N.Y.S. Residential Code

Effective December 28, 2010

Building Inspectors will be verifying the following items for compliance with the Residential Code of New York State

- Access opening to equipment- minimum size is 22” x 30” as per M 1305.1.3
- Catwalk to equipment- minimum width is 24” wide as per M 1305.1.3
- Equipment service area- minimum size 30” x 30” as per M 1305.1
- Maximum distance from access opening to equipment is 20 feet as per M 1305.1.3
- Lighting switch shall be installed at access door for light located at equipment as per as per M 1305.1.3.1
- Receptacle outlet shall be installed at or near the appliance
- Condensation from equipment shall be conveyed to approved place of disposal as per M 1411.3
- Auxiliary and Secondary systems shall be required at equipment as per manufacturer specifications and must comply with M 1411.3.1
- No structural members shall be cut, bored or notched beyond permitted allowances
- Supply and return ducts located in unconditioned spaces (I.E. basements and Attics) shall be insulated with a minimum of R 8 as per N 1103.2.1. All other ducts shall be insulated to a minimum of R-6. *Exception*, ducts or portions thereof located completely inside the Building Thermal envelope.
- All ductwork shall be fire blocked at floor levels in concealed spaces
- Metal ducts shall be supported at intervals not exceeding 10 feet with 18 gage straps or 12 gage galvanized wire as per M 1601.3.2
- Non metal ducts shall be supported in accordance with manufacturer installation instructions as per M 1601.3.2
- All electric shall be installed as per the National Electrical Code and a electric underwriters certificate is required

Provide notarized letter from installer of HVAC certifying that all HVAC work was installed as per the Residential Code of New York State

Installation of appliances shall conform to the conditions of their listing and label and the manufacturer's installation instructions and all applicable codes. The manufacturer's operating and installation instructions shall remain attached to the appliance.

Note: The items listed on this sheet are common deficiencies noted during Air conditioning installation inspections and are not intended to list all code requirements. For all code requirements see the New York State Residential Code and your design professional.