



## **Gas or Oil Fired Furnace Installation Inspection Checklist**

***This checklist is a guide and does not include all code requirements.***

### **Mechanical Requirements:**

- Each appliance shall have a 30" X 30" level working space. IRC M1305.1.2
- If in garage, the furnace ignition source must be not less than 18 inches above the garage floor. IRC M1307.3
- If in garage, furnace which is in direct route of an automobile shall have impact protection. (Pipe bollards or curb stops installed to prevent vehicle impact) IRC M1307.3.1
- Condensation piping must discharge to the outside of building or to sanitary piping with wye fittings. (Sanitary piping shall not be drilled or tapped.) IRC M1411.3
- Combustion air is to be provided per IRC Chapter 24. Combustion air kit may be used.
- Oil tank must be 5 feet from oil burner or separated by walls. IRC M2201.2.1
- Gas Piping Test Form is required for all new NG gas piping. (Leave test form at job site)
- New CSST piping is to be installed per manufacturer's installation instructions and IRC G2415.2, Bonding of CSST is to conform to IRC G2411.1.1. CSST types with valid ICC-ES or equivalent reports that allow installations without bonding are permitted.
- Venting of all furnaces shall be done in accordance with the manufacturer's installation instructions and IRC Section G2427.

### **Electrical Requirements:**

- Light(s) and switch needed at service side of appliance. IRC M1305.1.3.1
- Circuit breaker(s) for furnace(s) must be appropriately sized (in accordance with manufacturers label on the equipment) and labeled in the panelboard directory. Tandem breaker may be needed in a 20 or 30 position circuit panel or a subpanel may be needed. Note: Tandem breakers approved in locations specified in the panel's manufacturer's UL listing. IRC E3403.3
- Single conductors on circuit breakers unless breaker approved for 2 conductors under a circuit breaker device screw. (Nut and make tails if terminal rated for 1 conductor) IRC E3406.10
- New furnaces shall have a dedicated grounded circuit run to the panelboard. IRC E3703.1
- Wiring for furnace must be MC cable or conduit on outside of furnace cabinet. IRC E3802
- MC cable to be secured within 12 inches of device boxes. Knockouts in boxes removed to feed wires into furnace compartment require approved bushings. IRC Table E3802.1
- 120-volt tamper resistant service receptacle installed within 25 feet of furnace. IRC E3901.12
- Receptacle must be GFCI if in an unfinished basement area or garage. IRC E3902.5
- All metal boxes on furnace must be grounded with green ground screw/clip. IRC E3908.15
- Electrical circuit to new furnaces must have equipment grounding conductor. IRC E3908.1
- Bushings required for rigid metal conduit where conductors leave the conduit. NEC 344.46