

HVAC INSPECTION CHECKLIST

2021 International Residential Mechanical Code

Inspection Checklist

Rough in

1. Register and duct: Placement, attachment, support, two sides minimum for registers, sealing,
2. Return air: Properly sealed {**Local Amendment** requires that R/A filters be within 24 inches of the floor or have installed at the equipment a media-type or electrostatic-type air filter.
3. Structural integrity of framing member to comply with Boring and Notching Standard,
4. Proper support of unit,
5. There must be a permanently-installed stairway, either fixed or folding, to serve attic space where appliances or equipment are located. The opening must be at least 25.5" X 54", and any folding staircase must be rated for at least 350 pounds capacity and at least 20 minutes fire resistance." **Local Amendment**
6. Access walkway and unit access, 24" wide and 30"high and 30" x 30" work area in front of the unit within 20' of access opening, 50 feet is allowed **if** there is 6-feet of head clearance all the way to the unit,
7. Condensation drain to active trap with breather tube 12" high over the overflow pan and insulated (not past top-plate). Insulation on suction same as attic except in insulated wall where it should be ½" thick,
8. Overflow line to a visible location outside,
9. Proper support and protection of suction line,
10. Range VTR – clearance to combustibles and support,
11. Dryer vent [maximum 35 feet per code, install per IRC M1502, note the new "Length Identification Requirement" per M1502.4.5] and furnace VTR with proper clearances,
12. Outside unit location in relationship to gas meter location (5' minimum),
13. Outside unit location proper setback from all property lines [NOT IN EASEMENTS],
14. Commercial Units: Installation of the smoke detector/fan shut down in the return air system.

****ALL FINAL INSPECTIONS MAY BE PERFORMED AT THE SAME TIME****

Final

1. Proper operation of units
2. Commercial Units: Smoke detector/fan shut down operates correctly
3. Emergency overflow pans and proper drain to outside in visible location.
4. Integrity of all VTR
5. Installation of condensers: Proper setback from all property lines, NOT IN EASEMENTS.
6. Installation of outside equipment/condensers: Support pad above natural grade, disconnect, conduit, sealed at the structure, proper working clearance.

By my signature I am acknowledging I have read and understand all local amendments and will comply.

Signature of Permittee

Print Name

Date