

Common Reasons Inspections Do Not Get Approved by Building Inspectors in South Carolina

1. Flex ducts bent nearly closed by supports in attic. Manufacturer's install directions supports max. 4' apart. Saddle material of sufficient width to prevent restriction of air flow.
2. Sheet metal screws used to connect strapping to decking. IRC M1307.2. A 3/8" lag bolt for connection is recommended.
3. Provide return air path to return grill from bedrooms. Only enforced in bedrooms for return air.
4. Using closable registers on air return path from bedrooms.
5. Duct work causing obstructions across walkway or attic access opening. IMC 306.3 requires 30" height and 20" width unrestricted passage. Duct across walkway in danger of being damaged.
6. Work platforms for HVAC equipment has to be required 30" x 30". INCa306.3 Appliances in Attics.
7. Disconnects above air handler or behind condenser. NEC 110.26 Working Spaces
8. Condensate lines in non-conditioned space not being insulated. IMC 1107.4 Condensation.
9. Duct control wires with splices not being in a box. NEC 110.14 Splices
10. Not checking flood level certificate on change outs.
11. Smooth wall ducts for clothes dryers
12. Duct leakage tests submitted before mechanical final. IECC R403.3.3 Duct Testing