



**FROM APPENDIX E-3C OF 2018 NC RESIDENTIAL CODE**

**Duct air leakage test (Section N1103.3.3.1 & Section N1103.3.3.2)**

**N1103.3.3.1 Total Duct leakage.** Total duct leakage less than or equal to **5 CFM** (12 L/min) per 100 sq.ft. (9.29 m<sup>2</sup>) of *conditioned floor area* served by that system when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure.

**N1103.3.3.2 Duct Leakage to outside.** Conduct the test using fan pressurization of distribution system and building at a fixed reference pressure for combined supply and return leaks. Duct leakage to the outside shall be less than or equal to **4 CFM** (12 L/min) per 100 sq.ft. (9.29 m<sup>2</sup>) of *conditioned floor area* served by that system when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure.

Property Address: 339 HOBBY RD.

New Home:  Existing Home:

Builder: Carlyle Const. HVAC Contractor: JC's Heating and Air  
Jeff Payne

**TEST RESULTS:**

**Test Performed: Total duct leakage or Duct leakage to the outside (circle one)**

HVAC System Number: 1 Describe area of home served: 1st Floor

CFM25 Total: 45 Conditioned Floor Area (CFA) served by system: 1982 s.f.

CFM25 x 100 divided by CFA = 2.2 CFM25/100SF

Fan attachment location: Return ROUGH IN/ FINAL PASS/FAIL

**Test Performed: Total duct leakage or Duct leakage to the outside (circle one)**

HVAC System Number: 2 Describe area of home served: 2nd Floor


CFM25 Total: 32 Conditioned Floor Area (CFA) served by system: 688 s.f.

CFM25 x 100 divided by CFA = 4.6 CFM25/100SF

Fan attachment location: Return ROUGH IN/ FINAL PASS/FAIL

Testing Company Name: Peak Energy, Inc

Contact Information: Tester Name: Nathan Rider Phone: 919-274-5003 email: service@peakenergync.com  
Address: PO Box 1241 Holly Springs, NC 27540

  
Signature of Tester

4/24/21  
Date



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**Duct air leakage test (Section N1103.3.3.1 & Section N1103.3.3.2)**

**N1103.3.3.1 Total Duct leakage.** Total duct leakage less than or equal to **5 CFM** (12 L/min) per 100 sq.ft. (9.29 m<sup>2</sup>) of *conditioned floor area* served by that system when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure.

**N1103.3.3.2 Duct Leakage to outside.** Conduct the test using fan pressurization of distribution system and building at a fixed reference pressure for combined supply and return leaks. Duct leakage to the outside shall be less than or equal to **4 CFM** (12 L/min) per 100 sq.ft. (9.29 m<sup>2</sup>) of *conditioned floor area* served by that system when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure.

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Builder: Carlyle Const. Jeff Payne HVAC Contractor: JC Heating and Air

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CFM25 x 100 divided by CFA = 2.2 CFM25/100SF  
Fan attachment location: Return ROUGH IN/ FINAL PASS/FAIL

**Test Performed: Total duct leakage or Duct leakage to the outside (circle one)**

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CFM25 x 100 divided by CFA = 4.6 CFM25/100SF  
Fan attachment location: Return ROUGH IN/ FINAL PASS/FAIL

Testing Company Name: Peak Energy, Inc

Contact Information: Tester Name: Nathan Rider Phone: 919-274-5003 email: service@peakenergync.com  
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Paul M Signature of Tester 4/24/21 Date