

Air Leakage/Blower Door Testing

Air leakage testing is required for new residences and commercial buildings under the 2015 International Residential (IRC) and Energy Conservation (IECC) Codes..

Commercial:

The Standards to be followed for all such testing are ASTM standards as referenced in the 2015 International Energy Conservation Code (IECC), such as ASTM E 283-04, E 779-10, E 1677-11, E 2178-13 and E 2357-11. These ASTM Standards shall be referenced in the final report submitted for Building Department approval. The completed building shall be tested and the air leakage rate of the Building Envelope shall comply with the requirements found in Section C402.5. A note from the approved testing agent shall be placed upon the final report submitted for building department review indicating either compliance with the 2015 IECC requirements, or test failure and recommendations for corrections to pass the test.

Residential:

The ASTM Standards referenced in the 2015 International Energy Conservation Code (IECC) and 2015 International Residential Code (IRC) shall be the approved standards for the required Blower Door/Air Leakage Testing. Sections N1102.4.1.2 of the 2015 IRC and R402.4.1.2 of the 2015 IECC contain requirements for the testing and the required result for a passing test. In our Climate Zone 5B (as designated by the noted codes), three (3) Air Changes or less per Hour (ACH) at 50 Pascals (ACH50) are required. An approved third party tester shall place a note upon the final report submitted for building department review indicating either a passing test, or test failure and recommended corrections for passing a test. The actual final test reading of 3 ACH50 or less shall be clearly noted upon the report form submitted for review and acceptance.

To be considered an “approved third party,” an air leakage tester must demonstrate knowledge and experience of test procedures and protocols, through certification by a recognized organization such as RESNET (Residential Energy Services Network) or BPI (Building Performance Institute), or otherwise demonstrate their competence at air leakage testing to the satisfaction of the Chief Building Official.

Many Home Energy (HERS) Raters will perform air leakage testing as part of their overall energy ratings. Either a complete rating report including air leakage testing, or a report of a stand-alone test, will be acceptable to meet the testing requirement.

Approved Air Leakage (Blower Door) Testers in Larimer County

Allied Insulation, 6617 S. College Ave., Fort Collins CO 80525, www.mascoocs.com (970) 797-3144
Annadel Building Solutions, P.O. Box 741, Mancos CO 81328
Architectural Energy Corporation, 2540 Frontier Ave. Ste 100 Boulder CO 80301 www.archenergy.com (800) 450-4454
Burgess Construction, 9033 E. Easter Place, Ste. 200, Centennial, CO 80112 www.burgess-inc.com (303) 300-4527
Colorado Professional Inspections, 1780 Hyde Ct., Loveland CO 80538
Deeper Green Consulting, 35 Wheeler Pl., Frisco CO 80443, www.deepergreenconsulting.com, (970) 389-2448
E3 Power, 1616 17th St. #383, Denver CO 80202, www.e3power.net, (303) 292-1233
Efficiency Revolution, 1150 Inca St. Unit 23, Denver CO 80204, www.efficiencyrevolution.com, (303) 868-6653
Energy Logic, 309 Mountain Ave, Berthoud CO 80513, www.nrglogic.com, (800) 315-0459
EnerSmart Energy Solutions, 3735 Doolittle Rd., Monument CO 80132, www.enersmartenergy.com, (719) 313-6171
Energy Wise Colorado, 3410 SCR 31, Loveland CO 80537, Lisa Parrish, www.energywisecolorado.com, (970) 776-8009
Energy Wise Consultants, 111 S. 7 St., Grand Junction CO 81501, www.energywisecompanies.com (970) 242-9473
Frostbusters & Coolth Co., 190 ½ Garfield Ave. Carbondale CO 81623, www.frostbusters.com, (970) 963-7325
Green Spot, 1654 Grant St., Denver CO 80203, www.yourgreenspot.com, (303) 394-9627
Green Your Home, Colleen Locker, greenyourhomedenver@gmail.com (720) 628-7290
Greg Bowdish, Progressive Engineering, greg@progressiveengineering.biz, (970) 590-6059
Greg Fox, Efficiency Matters, 1800 E. Lincoln Ave. Fort Collins CO 80524, www.efficiencymatters.net, (970) 556-1249
GS Services, Fort Collins, Paul Higman, phigman@gs-email.com (970) 219-6776
Home Energy Systems, 6124 Ouray Way, Aurora CO 80016, www.hescolorado.com, (303) 944-9627
Home Performance Solutions, 2342 Tavern Way, Castle Rock CO 80233, www.hpsenergy.com (720) 985-8445
In the Now...For the Future, 7 Bassick Pl., Westcliffe CO 81252, www.sustainabilityconsultation.com (719) 783-4191
John Henry and Associates, 3513 Costilla Ave., Centennial CO 80122, (720) 496-3520, andersonarch@aol.com
Lightly Treading, 4303 Brighton Blvd. Bldg. 3, Denver CO 80216, www.lightlytreading.com, (866) 973-9268
Mike Truitt, This Efficient House, 1600 Crescent Dr. Fort Collins CO 80526, www.thisefficienthouse.com, (970) 204-9931
Nate Gagliano, NoCo Energy Solutions, 4805 NCR 23E, Laporte CO 80535, www.nocoenergysolutions.com, 310-6240
PIE Consulting & Engineering, 6275 Joyce Drive, Suite 200, Arvada, CO 80403. www.pieglobal.com, (866) 552-5246
Richard Anderson, Anderson Associates, 422 E. Oak St., Fort Collins CO 80524, (970) 484-0306
Scott Home Inspection, 3728 W County Road 10, Berthoud CO 80513, www.scotthomeinspection.com (970) 532-2424
Sustainably Built, 1720 15th St., Boulder CO 80302, www.sustainablybuilt.com, (303) 447-0237
Timberline Insulation Inc., 4109 Ziegler Rd., Ft Collins CO 80525, reed.timberlineinsulation@gmail.com, (970) 888-1395

List is not Exclusive – Leakage Testers certified by Building Performance Institute, Air Barrier Association of America, RESNET, or other approved agencies/local jurisdictions, can be added to this list by verifying credentials and experience.

Last Updated: 12/27/16