



Frostbusters & Coolth Co.
PO Box 94
Basalt, CO 81621

Phone: (970) 279-5080
Mobile: (970) 274-1141
Email: fritzd@frostbusters.com

Introducing Frostbusters & Coolth Co.

Who We Are:

Frostbusters & Coolth Co. is an Energy Efficiency Services Company based in Basalt, Colorado. The principal owner of the firm is Fritz Diether. We have served clients throughout Colorado's Western Slope since 1985, beginning in Crested Butte.

What We Do:

Frostbusters works with architects and builders in the Roaring Fork Valley, providing energy efficiency consulting, computer modeling, energy code compliance, and diagnostic testing required for new homes.

Over the years, Frostbusters has provided Home Energy Ratings (HERS Ratings); and ENERGY STAR® certifications and support services for over 200 homes in Pitkin, Garfield, Mesa, Ouray, San Miguel, Montrose, Delta, Gunnison and Rio Blanco Counties.

Frostbusters has conducted hundreds of Energy Assessments on existing homes for CORE, CLEER and Energy Smart, and has helped many homeowners complete the recommended energy efficiency improvements.

How We Work With Architects & Builders:

Consulting - Client Meetings - Discuss project, review plans, discuss HERS Rating & IECC code compliance process and information requirements, Meet with subcontractors to provide best practices training.
Review Rating from Plans.

Rating From Plans - Develop Computer Model of Home from Plans & Specifications to generate a HERS "Rating from Plans" & Offer Options to improve HERS score, if needed. Determine whether the home as designed can meet the 2015 IECC (International Energy Conservation Code) currently enforced by Aspen, Basalt, Pitkin County and Snowmass Village. This compliance mechanism substitutes for REScheck, which will not be required of the architect or HVAC engineer for the permit application.

REMP Calculations - Provide Draft RREMP Calculation from information provided on Plans & Specifications pertaining to "Exterior Energy Use" & "On-Site Renewable Credits" using the appropriate REMF Calculation Program for the jurisdiction. This calculation is typically required in order to obtain a building permit.

Manual J Calculation - Provide Manual J Calculation & Report to Architect, Builder & HVAC Engineer and/or HVAC Contractor. This detailed calculation and report provides the HVAC engineer/designer with an accurate depiction of the heating, cooling, and fresh air requirements for the home, on a room by-room basis. This "value engineering" service from Frostbusters frequently results in the ability to downsize or reduce the number of furnaces, boilers, fan coils, etc. In other words, the work frequently pays for itself.

Air Sealing & Thermal Bypass Inspection

A detailed Onsite Inspection following the completion of all framing and rough-ins, but prior to insulation. The inspection includes a photo report indicating required corrections, if needed. By working with the builder and insulation contractor at this critical stage, we are able to assure that the home will pass the demanding Building

HERS Ratings - Blower Door & Duct Testing - Manual J Calcs - Energy Code Compliance



Frostbusters & Coolth Co.
PO Box 94
Basalt, CO 81621

Phone: (970) 279-5080
Mobile: (970) 274-1141
Email: fritzd@frostbusters.com

Envelope Tightness requirement imposed by the 2015 IECC, when the home is tested at completion with a Blower Door.

Pre-test Ductwork with HVAC Contractor - Duct Blaster Test at Rough-in Stage to ensure that HVAC System(s) will pass Duct Tightness Requirements at final. By working with the HVAC contractor at this critical stage, we are able to assure that the home will pass the demanding Duct Tightness requirement imposed by the 2015 IECC, when the home is tested at completion with a Duct Blaster.

Insulation Inspection - Inspection prior to drywall, including photo report indicating required corrections, if needed. This inspection is required in order to produce the HERS Rating. It also provides another opportunity for Quality Control / Quality Assurance prior to the installation of the drywall.

“Secondary Air Sealing” with Blower Door & Infrared Camera - Provide Blower Door, Infrared Camera & Guidance for Painter or Other Sub-contractor following completion of drywall and painting, but prior to cabinets & final trims). Another opportunity to ensure that the home will meet the Building Envelope Tightness requirement imposed by the 2015 IECC, when the home is tested at completion with a Blower Door.

Final Inspection - Final Inspection, Blower Door Test, Duct Blaster Test(s) on HVAC Systems. Test flow rate of exhaust fans. Document all of the energy features that determine the rating. This inspection is required in order to produce the Final HERS Rating. Blower Door Testing at final is required under the 2015 IECC. Duct Blaster Test is required under the 2015 IECC.

Submit Rating to RESNET Registry & Produce Final Report - Submit Final Rating & Reports to RESNET for Certification. Create, Print, &/Or Email Final Report, Including HERS Certificate, Panel labels (if any, i.e. Energy Star, IECC, etc.), Emissions Report, Savings Calculations, and other documentation as required. Submit reports required for Certificate of Occupancy, to builder, homeowner and building department.

Apply For Rebates & Grants - Homes that achieve a HERS Rating Score of 50 or less are eligible for a Grant from CORE, ranging from \$2,000.00 to \$8,000.00. When a PV system is included in order to avoid REMP fees, the home is almost certain to qualify. If the home qualifies, Frostbusters will submit the Grant Application to CORE. Rebates are available from some of the local utilities as well.

We Belong On Your Team! – From the design stage, all the way through the completion of your project, Frostbusters & Coolth Co. is with you all the way. Our focus is on energy efficiency, indoor air quality, occupant comfort, building durability, and making sure your project passes the energy code requirements with flying colors!

Sincerely,

Fritz Diether
President, Frostbusters & Coolth Co.