



"MARRIAGE MADE IN HEAVEN"
RATING SERVICES WITH
APPLIED BUILDING SCIENCE CONSULTING

RESNET CONFERENCE 2004
"Planning for Success, Delivering Quality"
March 1 -3
San Diego, CA

Part of the Solution...One Home at a Time

Rating a home is a task not a profession

A Rater performs the task of data collection:

Typically, a whole house infiltration test –

- Blower Door Test

- Duct Leakage Test (preferably w/a duct blaster)

The results are entered into a program that provides a HERS Score

A Rater will perform this task for a builder or a homeowner

While there is a range of skills among Raters, there is only one designation – a Rater

***An independent Rater who is just a Rater will
not be a Rater for long***

"Beyond Rating"

Applied Building Science Consultant

New Construction

Renovation

Problem Solving

New Construction

Development of pre-construction specifications

Preliminary design review – design, material and system recommendations

Develop heat load calculations – Manual J and duct design – Manual D

Develop contract specifications

Provide training to sub-contractors and Realtors

On-going inspections during construction

Commissioning New Homes -

Verifying that a home will perform as anticipated

Weather stripping in, attic access sealed, insulation installed

Blower door and duct blaster tests

Pressure mapping of home – internal and WRT outside

Exhaust fan flows

Mechanical system

- system – verify size and efficiency

- controls – verify calibration

- operation – delta T

- distribution – cfm and static pressure

Renovations

Preliminary consultation

Develop specifications

Perform Manual J and D from site
measurements

Communication with trades during
entire process

Commissioning

Problem Solving for Existing Homes

Preliminary interview with owner or occupant – what, where and when is there a problem – ***listen, listen, listen***

Perform appropriate diagnostic tests – these can include:

- Moisture tests – both contact and RF

- Installing data loggers – Temp, RH and State

- Mechanical equipment inspection-

 - static pressure, cfm flow, operation and controls

- Exhaust flows – including ventilation

- Whole house blower door and duct blaster tests

- Thermal imaging or IR thermometers

- CO detector

- “Smoke” tests

- In conjunction with IAQ – no “bundlers”

What attributes does an Applied Building Science Consultant need?

Training

Skills

Ability

Knowledge

Experience

Integrity

Concern

Effective Communication

Services must be of value