



IBS ADVISORS
INTEGRATED BUILDING SCIENCE

IBS Advisors, LLC
Brett Dillon, Vice President
210-527-7087 (San Antonio)
423-304-9235 (Chattanooga)
bdillon@buildersenergyrater.com

About IBS Advisors

IBS Advisors is a for-profit construction consulting company. We are organized as a limited liability company in the State of Texas and provide services to homebuilders, homeowners, architects, insulation contractors, HVAC contractors and educational institutions seeking to integrate building science, design and best construction practices into the built environment.

A secondary component of our consulting work is providing education on energy efficiency, sustainability and durability to those involved in home construction. Brett has conducted trainings for Southface Energy Institute, Cleveland State Community College, local chapters of the American Institute of Architecture, local chapters of the United States Green Building Council, Tennessee Valley Authority, Habitat for Humanity International, Georgia Power, the Department of Energy's Building America Program, Fox Ridge Homes, Main Street Properties, Chattanooga Neighborhood Enterprise and others in the field of high performance homebuilding.

About Brett Dillon

A native of Southern California, Brett is a 4th generation carpenter & builder. Raised in a traditional construction background, he started to apply the principles of building science to the homes he built as the Construction Director for the Habitat for Humanity affiliate in Chattanooga, TN. As a result of those efforts, this affiliate was one of 16 affiliates worldwide that earned an energy efficiency award from Habitat for Humanity International at the 25th anniversary conference in Indianapolis in 2001.

Brett has extensive field experience performing Home Energy Rating System ratings, residential commissioning, energy audits, mold and moisture assessments, building envelope pressure tests, Manual J load calculation, duct design and duct system pressure tests in addition to his experience in construction management and techniques. He has been a licensed contractor in Tennessee and has over 15 years of experience in the residential construction industry, working in both land development and construction. He is the vice president of IBS Advisors, specializing in

the integration of building science, design and best construction practices.

Brett currently teaches many seminars and workshops on high performance home building, the International Energy Conservation Code, moisture control and homeowner education to groups as varied as the American Institute of Architecture to affordable housing providers.

A former program manager at Southface, he was the point person for expanding the EarthCraft House program regionally into Alabama, South Carolina and Tennessee.

He is a nationally certified Home Energy Ratings System (HERS) Rater in addition to being a Residential Energy Services Network (RESNET) certified HERS Rater Trainer and Quality Assurance Designee, one of the highest levels of national certification available in the residential energy efficiency field. He also provides building science-based training to builder groups and utility companies, including teaching the Certified HERS Rater Course for accredited HERS Training Providers.

He has written three guidebooks on energy efficiency, durability and comfort for Cleveland State Community College which are being incorporated into their residential energy efficiency curriculum. Additionally, he has authored a Home Energy Raters Manual which is being used as the course material for a Certified Home Energy Raters course. He co-authored another guidebook to Home Energy Ratings for Southface Energy Institute which has been used nationally to prepare for the HERS National Core Competency exam.

Brett has served on the Advanced Rater Task Force for RESNET, the Affordable Housing Task Force for LEED for Homes and has conducted workshops for the Building America Program (DOE) and State Energy Offices throughout the Southeast.

Brett is married, enjoys classical foil fencing with his wife and four sons and splits his time between San Antonio, Texas and Chattanooga, Tennessee.

This is a list of seminars and workshops that Brett has taught over the past three years.

Seminars Taught-

- Project Energize!, for Southface & sponsored by DeKalb County Community Action

- Basics of the Georgia Energy Code, for Southface & sponsored by the Georgia Environmental Facilities Administration
- How to Inspect for the Provisions of the International Energy Code, for Southface & sponsored by the Georgia Association of Home Inspectors
- Residential Energy Efficiency, for Southface & sponsored by the Georgia EMC Association
- Fundamentals of Building Science, sponsored by Southface
- How to Build Energy Efficient Homes in Climate Zone 4, sponsored by Cleveland State Community College

Workshops Taught-

- How to Design and Build High-Performance Homes in a Mixed Humid Climate, for Southface & sponsored by the Department of Energy (8 hour course, Asheville, NC; Birmingham, AL; Brentwood, Franklin, Chattanooga, TN; Lawrenceville, GA)
- How to Design and Build High-Performance Homes in a Hot Humid Climate, for Southface & sponsored by the Department of Energy (8 hour course, Charleston, SC; Seaside, FL)
- How to Design and Build High-Performance Affordable Housing in the Southeast, for Southface & sponsored by the Department of Energy and Habitat for Humanity International (8 hour course, Macon, GA)
- Scope and Provisions of the Georgia Energy Code, for Southface & sponsored by the Greater Atlanta HBA and Georgia Environmental Facilities Administration (8 hour course, Atlanta, GA)
- EarthCraft House Mixed Humid for Southface & sponsored by the Department of Energy and South Carolina Energy Office, GEFA, Tennessee Energy Division (8 hour course, Greenville, SC; Atlanta, Dalton, GA; Nashville, TN)
- EarthCraft House Hot Humid for Southface & sponsored by the Department of Energy, South Carolina Energy Office, GEFA (8 hour course, Savannah, GA; Charleston, SC)
- ICC Energy Codes, for Southface & sponsored by Tennessee Energy Division (8 hour course, Memphis, Nashville, Knoxville, Chattanooga)
- Understanding Residential Energy Consumption, for Southface & sponsored by Georgia Power, (2 day training for their residential energy auditors, Atlanta, GA)
- HERS Rater Training, for Southface & sponsored by Texas Home Energy Rating Organization (1 week training, Dallas, Houston, TX)

- HERS Rater Training, for Southface & sponsored by the Virginia Sustainable Buildings Network (1 week training, University of Richmond, VA)
- What Every Rater Should Know, sponsored by Home Energy Concepts (8 hour course, Nashville, TN)
- EarthCraft House, for Southface & sponsored by Chattanooga Neighborhood Enterprise, (8 hour course, Chattanooga, TN)
- HERS Rater Training, for Southface & sponsored by TVA (1 week training, Murfreesboro, TN)
- HERS Rater Training, for Home Energy Concepts & sponsored by Jackson EMC (1 week training, Lawrenceville, GA)

Presentations Given-

- “ENERGY STAR, EarthCraft House™ and New Construction”, Tennessee Electric Cooperative Association, 2005
- “Transformation”, Envirolink Board of Directors, 2004
- “EarthCraft House”, Livable Cities Conference 2004, Birmingham Southern College
- “Homes for the 21st Century”, CNE, 2005
- “How to Sell ENERGY STAR® Homes”, Fox Ridge Homes, 2006
- “How to Build ENERGY STAR Homes”, Main Street Properties, 2006
- “The Role of a Building Science Consultant”, AIA Southeast Regional Conference, 2006
- “Energy Efficient Attic Kneewalls”, Chattanooga Building Inspections Department, 2006
- “The 5 Best Practices for Building a High Performance Home”, Cleveland State Community College, 2007
- “ENERGY STAR® for Affordable Housing”, TN regional energy efficiency conference for the Department of Housing & Urban Development, 2007