



**Brook Shepard** is MaGrann Associates' Regional Quality Assurance & Technical Consultant for Ohio. He performs HERS rating file quality assurance reviews and

field quality assurance inspections for the program.

Brook reviews on-site inspection procedures as well as REM/Rate files of independent raters participating in the ENERGY STAR New Homes Programs for the Ohio utility funded program to assure program compliance.

Brook is currently running American Electric Power of Ohio Heat Pump Retrofit Pilot where he is helping to identify and retrofit high energy usage homes in Ohio.

### Professional Experience

Brook brings over 5 years' experience providing HERS ratings and construction project management, where he instituted and directed insulation and energy efficiency divisions. Brook was also an Operations Manager and has 8 years of building, project and event management experience. In his previous role as a HERS Rater, Brook was responsible for meeting client needs and requirements from plan review through final testing. He maintained client relations and participated in new client recruitment.

Currently as a Technical Consultant for MaGrann, he provides the following:

- ◆ Performs HERS Ratings and ENERGY STAR for Homes verification on new construction, gut rehab homes and multi-family buildings.
- ◆ ASHRAE 90.1 Modeling
- ◆ Code Compliance Analysis
  - REScheck, Ekotrope, REM/Rate
  - Duct Leakage Testing, Air Infiltration Testing
- ◆ Diagnostic Consulting

- HVAC Airflow Testing, Static Pressure Testing, Infrared Thermography, and Combustion Gas Analysis Testing

### Project Experience

Brook's completed Multifamily New Construction Energy Audit & Retrofit projects include:

- ◆ Harding Homes, Hamilton Township NJ
- ◆ 170 Grant Avenue, Jersey City NJ
- ◆ Habitat for Humanity at Sharswood, Philadelphia PA
- ◆ Bed Stuy Brownstones, Brooklyn NY
- ◆ North Central Development, Philadelphia PA
- ◆ Cornerstone at Delanco, Delanco NJ

### Expertise

Program design, implementation and compliance for states and utilities including residential new construction, retrofit and low income programs; program implementation for raters, builders, code officials and allied building trades; building maintenance management; REM/Rate.

### Qualifications

- ◆ ENERGY STAR for Homes v3 Rater
- ◆ Certified HERS Rater

### Years of Experience

15

### Education

Bachelor of Science, Environmental Studies, University of Oregon; Eugene, OR