

MARACRAFT

an ETG Brand

ENERGY AUDITING

ENERGY AUDITING TECHNOLOGY PROGRAM

RESNET
CERTIFICATION



ENERGY
AUDITING
GT-7500

Sustainable Architecture

- What is green?
- History of fossil fuels
- Sustainable architecture

Residential and Commercial Structures

- Foundations, walls, roofs and attics

Energy and Power

- Types of energy
- Potential and kinetic energy
- Voltage and current
- Electrical loads
- Electrical power consumption
- Power math
- Making electrical connections

Energy and Conservation

- Energy Audits
- Insulation, windows and ventilation
- Lighting
- Hot water heaters

Passive Solar Systems

- Lighting, heating and cooling

Green Building

- Resource-conscious design concepts
- Sustainable construction terminology
- Green building certification
- LEED
- Green design considerations

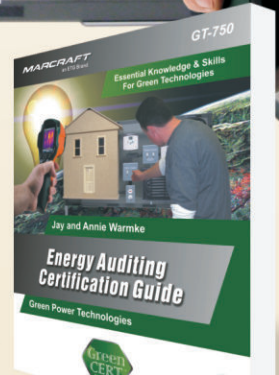
Building Codes and Compliance

- National Electrical Codes
- EPA
- OSHA
- National Fire Protection Association

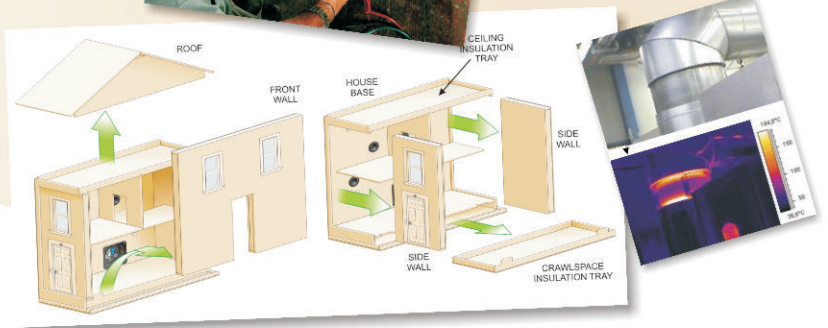
Understanding Blueprints

- Schematic drawings
- Working drawings
- Symbols and scaling

Reinforced with Hands-on Labs



HANDS-ON LAB GUIDE



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