**Strategic Approach:**

- **Type of Project:** Two Story Home
- **Location/Climate:** Auburn, AL, CZ 3
- **Design Strategy:** Open layout with minimum circulation surrounding a centralized open space.
- **Technical Strategy**
  - Enclosure: Rigid insulation sheathing.
  - HVAC: Mini-Split and ERV air circulation system.
  - IAQ: Low chemical materials and high-merv filtrations
- **Construction Cost Strategy:** Used money saved on right sizing for high-performance features, eliminated basement, and smart framing.

**Technical Specifications:**

- Wall R-Value: **R-20**
- Ceiling R-Value: **R-35**
- Foundation R-Value: Perimeter **R-5**
- Window R-Value: **R-**
- Window SHGC: .170
- Heat Pump HSPF: 9.3
- Heat Pump SEER: 17.5
- Water Heater EF: 2.3

**Key Statistics:**

- Location: **Auburn, Alabama**
- 2009 IECC Climate Zone: **3**
- Square Feet: **1,640**
- Number of Stories: **2**
- Number of Bedrooms: **3**
- Number of Bathrooms: **2.5**
- Estimated Construction Cost: **$186,554**
- HERS Index Score: 47
- Estimated Monthly Energy Cost: **$80**