### Strategic Approach:
- **Type of Project:** Three Story Townhome
- **Location/Climate:** Denver, CO, CZ 5
- **Design Strategy:**
  To design an affordable Passive House which is flexible and maximizes daylighting to create a comfortable environment. Secondary objectives included Net-Zero Energy ready and locally materials.
- **Technical Strategy**
  - Super Insulated, airtight envelope with minimal thermal bridging
  - Envelope durability and constructability
  - High performance windows with controlled solar gains.
  - Balanced Mechanical ventilation
- **Construction Cost Strategy:**
  Compact efficient layout with conventional framing. Reduced heating and cooling system.

### Technical Specifications:
- **Wall R-Value:** R-44
- **Ceiling R-Value:** R-56
- **Foundation R-Value:** R-48
- **Window R-Value:** R-6
- **Window SHGC:** .50
- **Heat Pump HSPF:** 8.9
- **Heat Pump SEER:** 18.0
- **Water Heater EF:** 2.40

### Key Statistics:
- **Location:** Denver, Colorado
- **2009 IECC Climate Zone:** 5
- **Square Feet:** 1,275
- **Number of Stories:** 3
- **Number of Bedrooms:** 2
- **Number of Bathrooms:** 2
- **Estimated Construction Cost:** $181,345