Forge Craft Architecture + Design, LLC

Theresa Passive House | Austin, TX











PROJECT DATA

- **Layout:** 3 bed, 2.0 bath, 1 fl, 2100 ft^2
- **Climate:** 2021 IECC Hot Humid
- **Category:** Custom

Modeled Performance Data

- **ERI:** with PV 3

TESTIMONIAL

The project's airtight envelope and filtration system ensure air quality is excellent; all air entering the home is controlled and filtered, even when outdoor pollution is high. Thus far, the house uses 75% less energy than typical new homes. The Passive House strategies that achieve this – airtight envelope, 2x insulation, careful glazing and shading, optimal HVAC, and a compact floorplan – also keep the interior more comfortable in the most extreme weather events. The structure acts as its own battery, storing cool energy to reduce demand on the grid. During power outages it generates its own power through PV and battery backup.
- Trey Farmer, builder, FORGE CRAFT ARCHITECTURE + DESIGN

KEY FEATURES

- All-electric home
- Energy / Heat recovery ventilator
- Heat pump water heater
- Photovoltaics
- Battery storage
- Triple-pane windows
- Unvented insulated attic
- ACH 50 < 2.5 or CFM50/SF of enclosure ? 0.25
- Central Manifold Plumbing Design

CONTACT

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