



# Insulsteel

Cottage Plantation Lane | Charleston, SC



## PROJECT DATA

- **Layout:** 3 bed, 3.5 bath, 2 fl, 2260 ft<sup>2</sup>
- **Climate:** 2021 IECC Mixed Humid
- **Category:** Custom

### Modeled Performance Data

- **ERI:** with PV 5

## KEY FEATURES

- All-electric home
- High-efficiency variable-speed heat pump
- Photovoltaics
- Structural insulated panel (SIP) walls or walls and roof
- Unvented insulated attic
- ACH 50 < 2.5 or CFM50/SF of enclosure ? 0.25

## TESTIMONIAL

The biggest reward for us is client satisfaction with our energy efficiency, indoor air quality, structural integrity, DOE Zero Energy Ready design, and low total cost of ownership. Insulsteel's EcoShell homes are built with our own light-gauge steel and EPS panels for superior structural integrity and resistance to storms, water, insects, and fire.

- Steve Bostic, president, Insulsteel Building Enclosures, LLC

## CONTACT

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Office of Critical Minerals  
and Energy Innovation

For more information on the DOE Efficient New Homes program:  
<https://www.energy.gov/eere/buildings/doe-efficient-new-homes-program>