HOUSE KEY Unlocking Housing to Fight Climate Change

GBBN

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GOOD DESIGN = SUSTAINABLE DESIGN

Creating multiple – Passive House standard and prefabricated housing typologies can improve neighborhood resilience and reduce residents' energy burden 70% while remaining economically viable.



- Sustinable materials
- Healthy products \bullet
- Improved air quality
- Thermal comfort
- Reduced noise
- Improved Health \bullet
- Better resilience \bullet

SOCIAL & PHYSICAL WELL BEING

ENVIRONMENTAL WELL BEING

BENEFITS

- Lower Emissions Less construction waste Reduced site impacts Lower Energy Costs Bulk purchasing Predictable utility costs
- \bullet

- Long term stability

- **Generational Wealth**
- Stable neighborhood communities
- Reduced Vacancy, eyes on the street

FINANCIAL WELL BEING

Engage the community

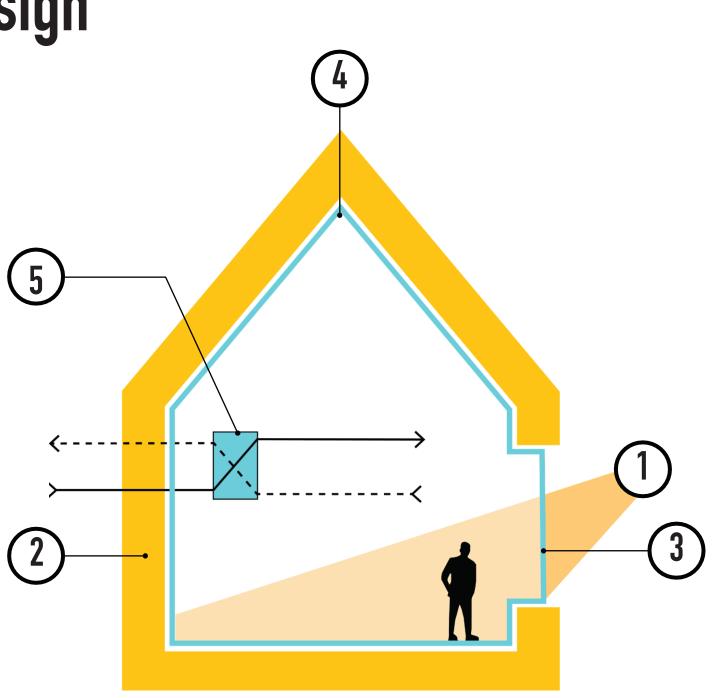






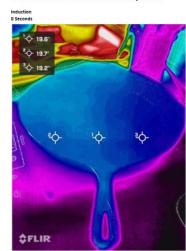
Start with Passive House design

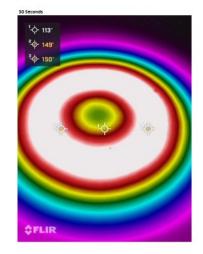
- 1 High performance windows and doors
- 2 Continuous insulation
- 3 Airtight enclosure
- 4 Thermal bridge-free detailing
- 5 Energy recovery ventilation



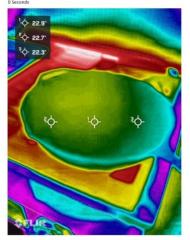
Electrify

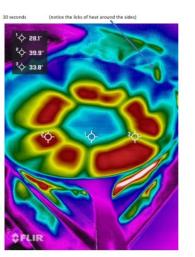
Induction Burner vs. Gas Stove Comparison





Jenn-Air Pro-Style Gas Stove 0 Seconds





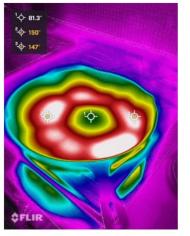
¹수 41.1° ²수 79.8° ³-0- 78.2'

60 seconds

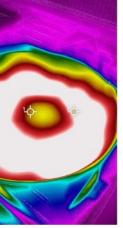
'ф 63.8° ²∲ 123' ³∲ 108'

90 seconds

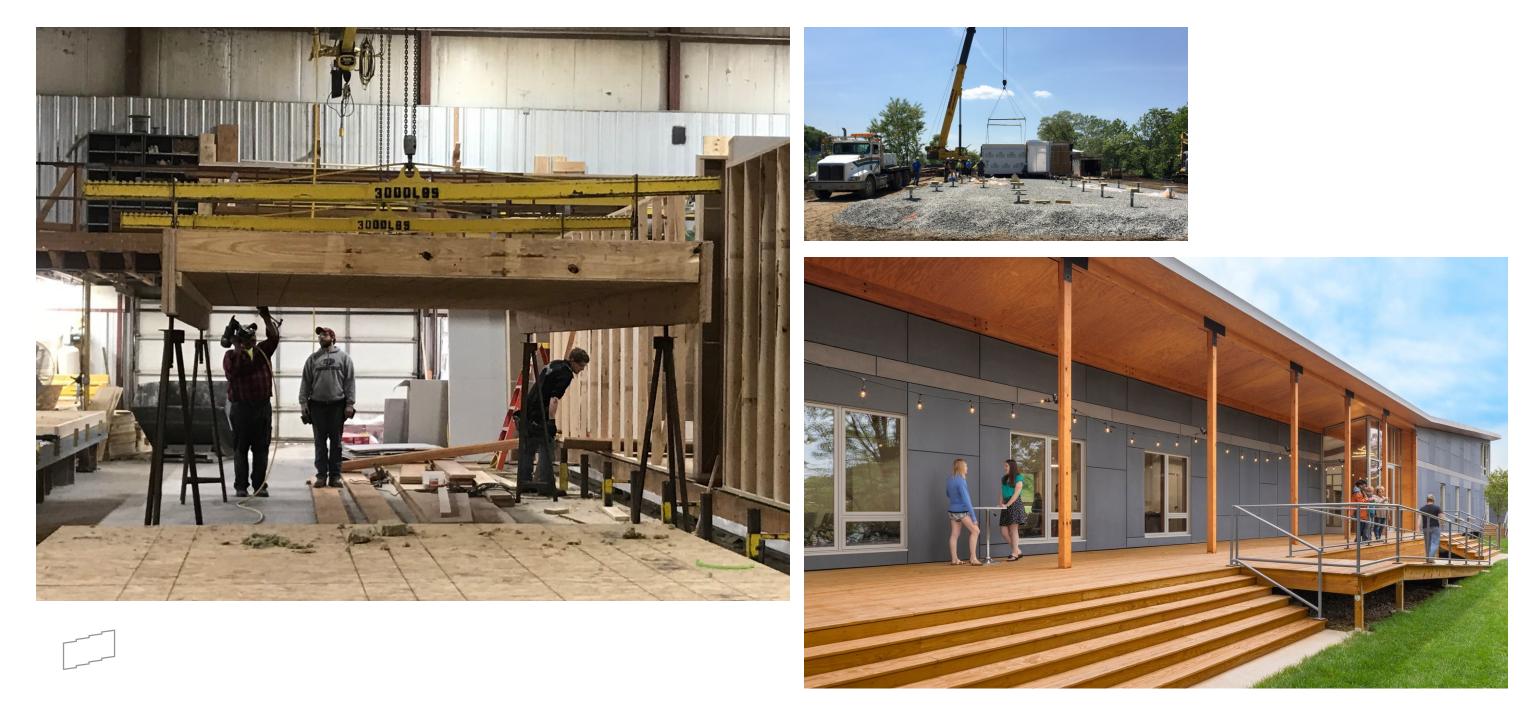
120 seconds



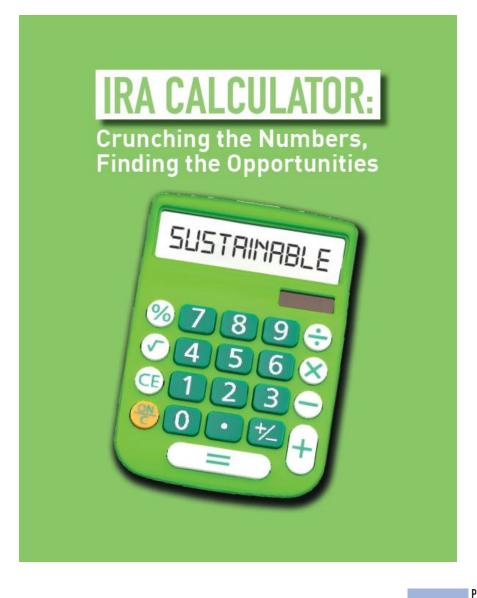




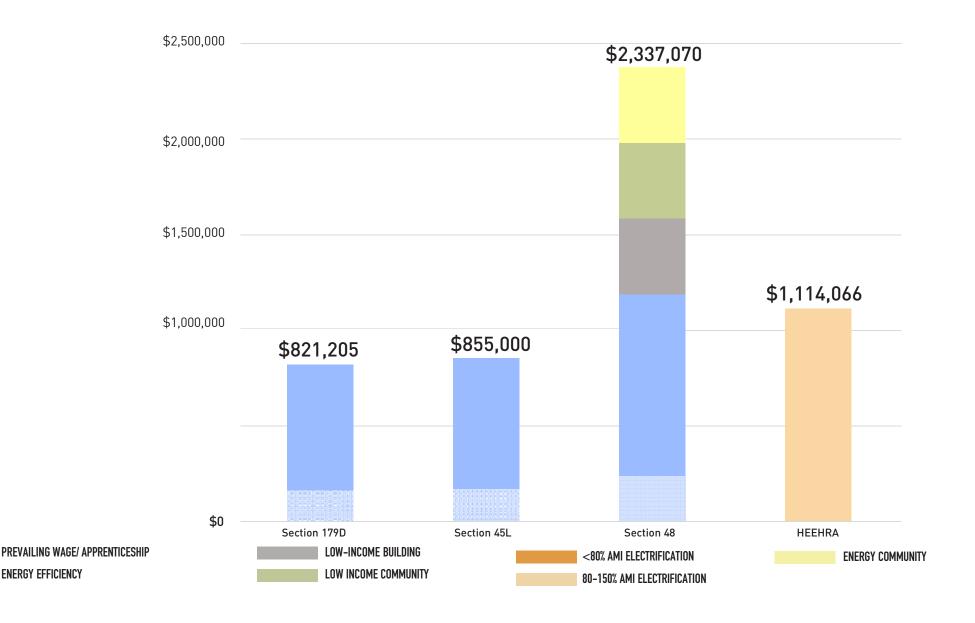
Consider Modular and Prefabrication



Look for Incentives



ENERGY EFFICIENCY











Multifamily



Multifamily



Multifamily



Single Family

Ē



Single Family



Townhouse

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AIA 2030 COMMITMENT

Design all Net Zero Energy buildings by 2030 and Net Zero Carbon by 2050.

Reduce our office building energy use, water consumption, and transportation commuting emissions 50% by 2030.

