GreenSteel Homes

Housing for the 21st Century
GreenSteel Homes
Grayton
2148 Sq. Ft.
3BR 3BA

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St. Teresa
1302 Sq. Ft.
3BR 2BA
Carrabelle
1346 Sq. Ft.
3BR 2BA
Summer House
812 Sq. Ft
2BR 2BA
GreenSteel Homes

Multi-Family Models
GreenSteel Homes Factory

High Capacity Loading Bay

Material Loading and Home Shipping Bays
GreenSteel Homes Factory
66,000 Sq Ft. Production Facility

Stations 1-5
Stations 6-8
Stations 9-10
Stations 11-12

Friday, February 22, 13
GreenSteel Homes Factory

In-House Material Fabrication

Production Line Assembly
GreenSteel Homes Benefits

Architecturally Designed
Hurricane Rated
“Green” Steel Homes
Environmentally Friendly
Fire Rated

Friday, February 22, 13
Nationally Renowned Architects

- Bruce B. Tolar, P.A.
  - Highly experienced architect headquartered on the Mississippi Gulf Coast
  - Significant Projects
    - Water Color of Florida
    - Cottage Square in Ocean Spring, Mississippi

Renowned Cold Formed Steel Engineers

- Residential and commercial projects world wide for over twenty years
Energy Efficient Construction

- Homes address LEED and Green Building prerequisites directly from the factory
- The homes are virtually mold, mildew, termite proof and highly fire resistant
- Computer controlled fabrication techniques produces straighter, tighter, stronger homes
- Tighter means less heating and cooling loss

The homes are produced with 100% recyclable, non combustible materials
Energy Efficient Materials

- **Mineral Rock Insulation**
  - Non-combustible, non-toxic, chemical free insulation with an R38 rating in ceiling and R25 in wall
  - Water resistant, low moisture
  - Reduces acoustics across the sound spectrum by up to 55%

- **Low-E House Wrap**
  - Reflective insulation is non-toxic, with an R5 rating, giving the wall a final rating of R30

- **Impact Resistant Tinted Vinyl Windows**
  - Reduces heat loss, reduces condensation build up, reduces sound transmission
  - Double pane produces an R value of 2.94 and a U value of 0.34 (heat flow through an object)
Hurricane Rated

- **Light Gauge Steel Frames**
  - All GreenSteel Homes are built to withstand 140mph wind gusts
  - Capable of 200mph wind load
  - Exterior walls are built with 2” by 6” wall studs on 24” centers
  - Floor joists are 2” by 10” on 24” centers

- **Impact Resistant Vinyl Windows**
  - Low-E, High Impact windows withstand up to 155+ mph wind gusts
  - (ASTM E1886/E1996-02 Missile Level D, Wind Zone 4, DP +/-50)

- **Galvanized metal roof capable**
  of withstanding 155+ mph winds
Fire Rated

Roof Assembly

- Light Gauge Steel Frame
- UL certified roof assembly: P532 (ANSI/UL 263) (2 hour fire-rated)

Wall Assembly

- Cement board non-combustible Interior Drywall
  - Patented Stiff panel design
- Mineral rock ceiling and wall insulation is fire resistant up to 2125°F

Floor Assembly

- Cement board floors are fire resistant to 1 hour
Any Questions? Give us a call!

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Websites:
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