



Green

Home

Building

Tips

Benefits



- ❖ Reduced Maintenance
- ❖ Longer Service Life
- ❖ Lower Utility Consumption



Benefits



- ❖ Better Moisture Control
- ❖ Healthier Indoor Air
- ❖ Reduced Health Risks



Principles of Green Building



- ❖ Build Less
- ❖ Build To Use Less
- ❖ Build For Health



Build Less



design by Wernicke Studio © 2013

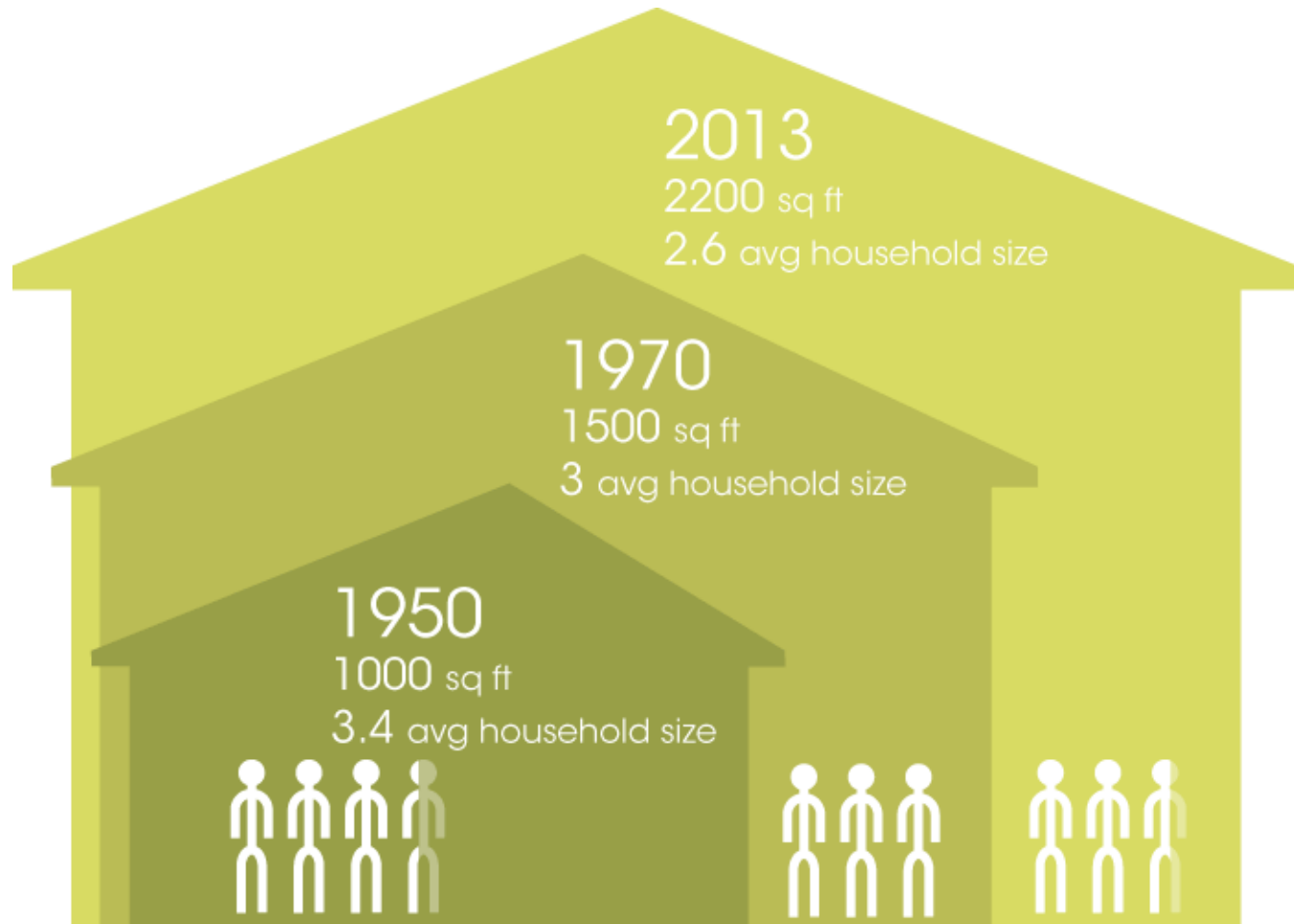
Home Sizes Have Increased

Since 1950:

- ❖ Home sizes have increased more than 100%
- ❖ Household size has dropped 25%



Home Sizes Have Increased



Create Small Homes that Work Harder

- ❖ Create double duty rooms
- ❖ Open plan for kitchen, dining & living areas
- ❖ Avoid single use hallways
- ❖ Create outdoor living space
- ❖ Maximize natural lighting
- ❖ Design for flexibility & change



Build to Use Less



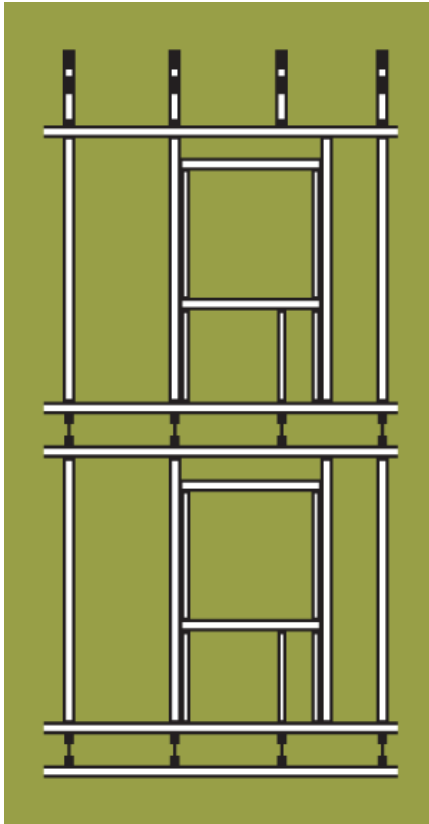
design by Wernicke Studio © 2013

Reduce Resource Use

- ❖ Use improved construction techniques
- ❖ Use eco-certified and sustainable materials
- ❖ Plan for reuse of waste materials
- ❖ Include use of natural resources
- ❖ Plan for energy efficient equipment
- ❖ Plan home as system



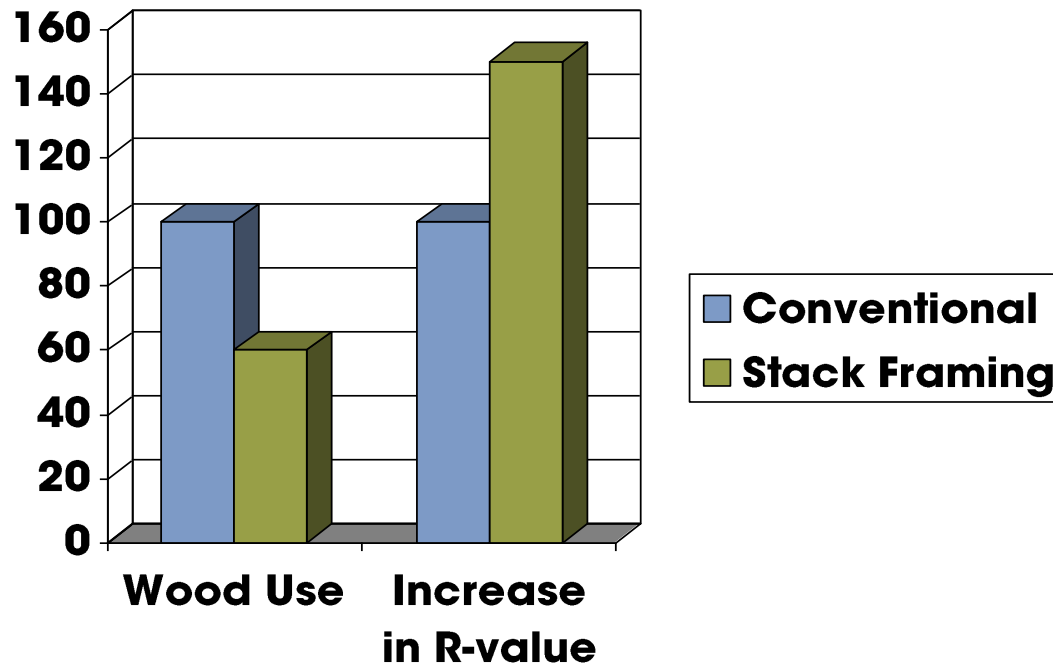
Stack Framing



design by Wernicke Studio © 2013

Stack Framing

Saves on wood and increases available space for insulation



Sustainable Materials

- ❖ Recycled content
- ❖ Reusable or recyclable
- ❖ Efficient manufacturing
- ❖ Natural, plentiful and renewable
- ❖ Salvaged
- ❖ Durable
- ❖ Locally available



Bamboo



- Flooring
- Composite building materials
- Fencing
- Garden features



Wool Insulation



Recycled Glass

- Countertops
- Wall tiles
- Floor tiles



Eco-certification



energy standards



air quality standards



wood product standards for
sustainable growth & harvest



design by Wernicke Studio © 2013

Use Natural Resources

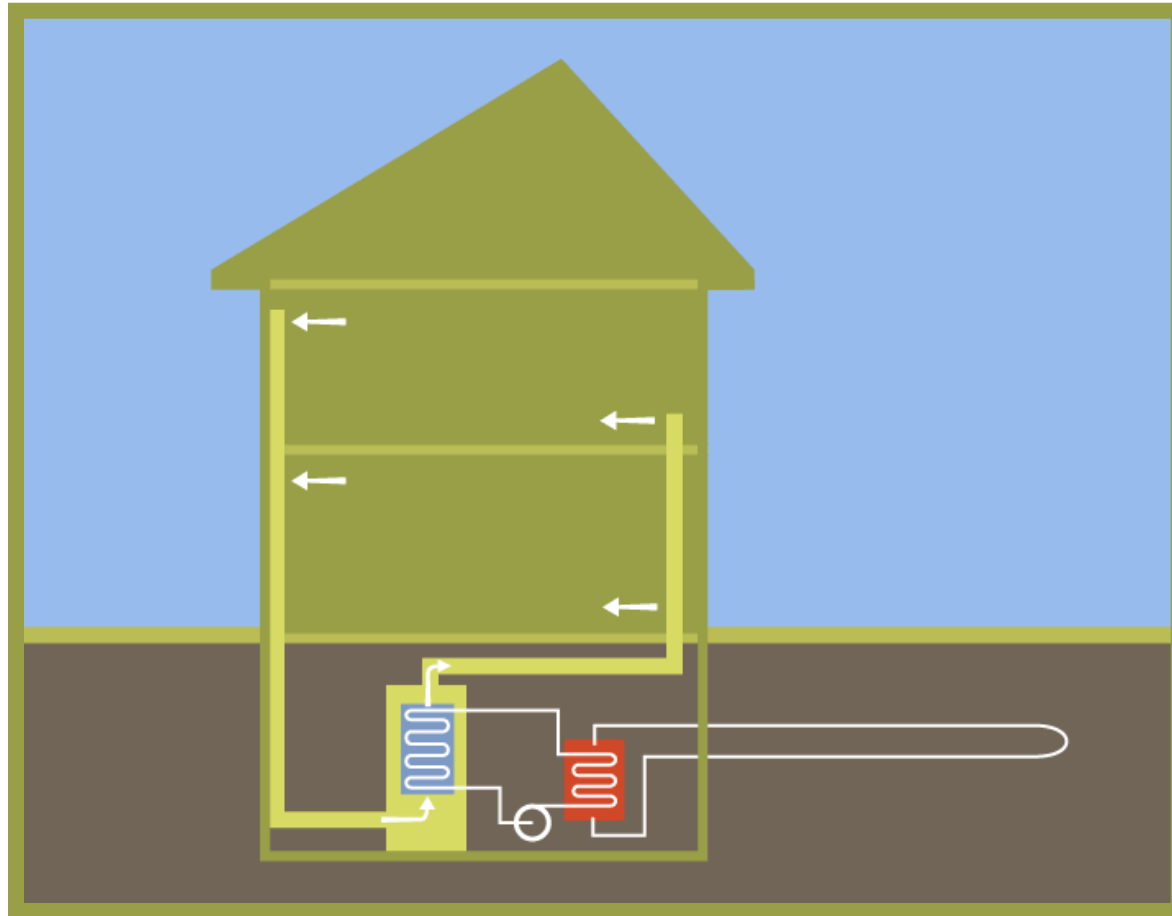
- ❖ South facing windows
- ❖ Overhangs and trees for shade
- ❖ Skylights
- ❖ Solar panels
- ❖ Geo-exchange system for heating & cooling



Available Sunlight



Geo Exchange System



design by Wernicke Studio © 2013

Build for Health



design by Wernicke Studio © 2013

Healthy Choices



- ❖ Low or no VOC water based paints, coatings & adhesives
- ❖ Formaldehyde free cabinets, doors & trim
- ❖ Eliminate carpeting
- ❖ Plan for ventilation



Healthy Choices



- ❖ Provide for outdoor living space
- ❖ Create a “green zone”





WernickeStudio.net

© 2013