



SOLAR DECATHLON EUROPE

- 1. Architecture
- 2. Construction and Engineering
- 3. Solar Systems and Hot Water
- 4. Energy Balance
- **5. Comfort Conditions**

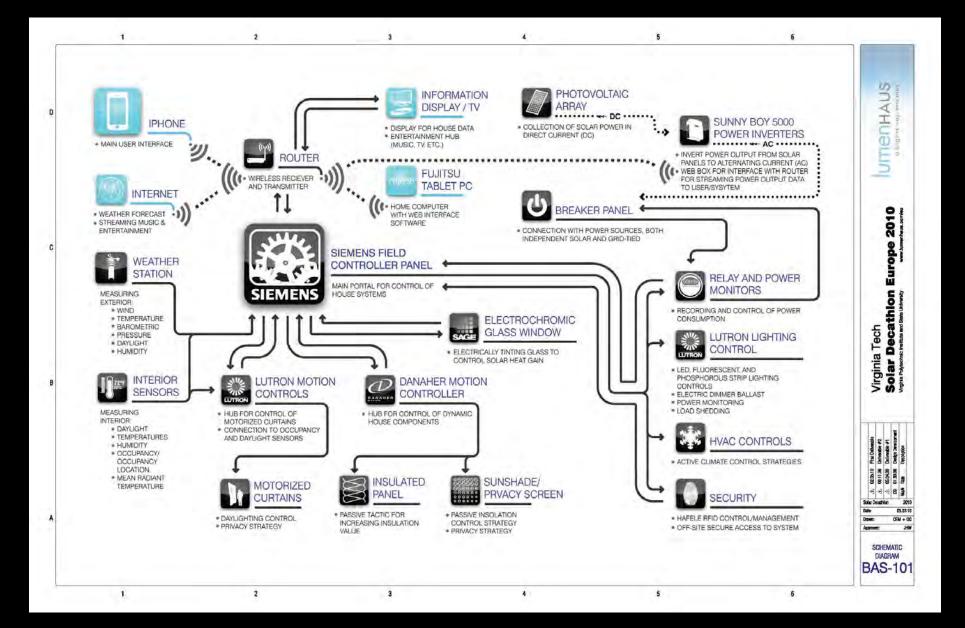
- 6. Usage
- 7. Communications and Social Media
- 8. Industrialization and Market Viability
- 9. Innovation
- 10. Sustainability

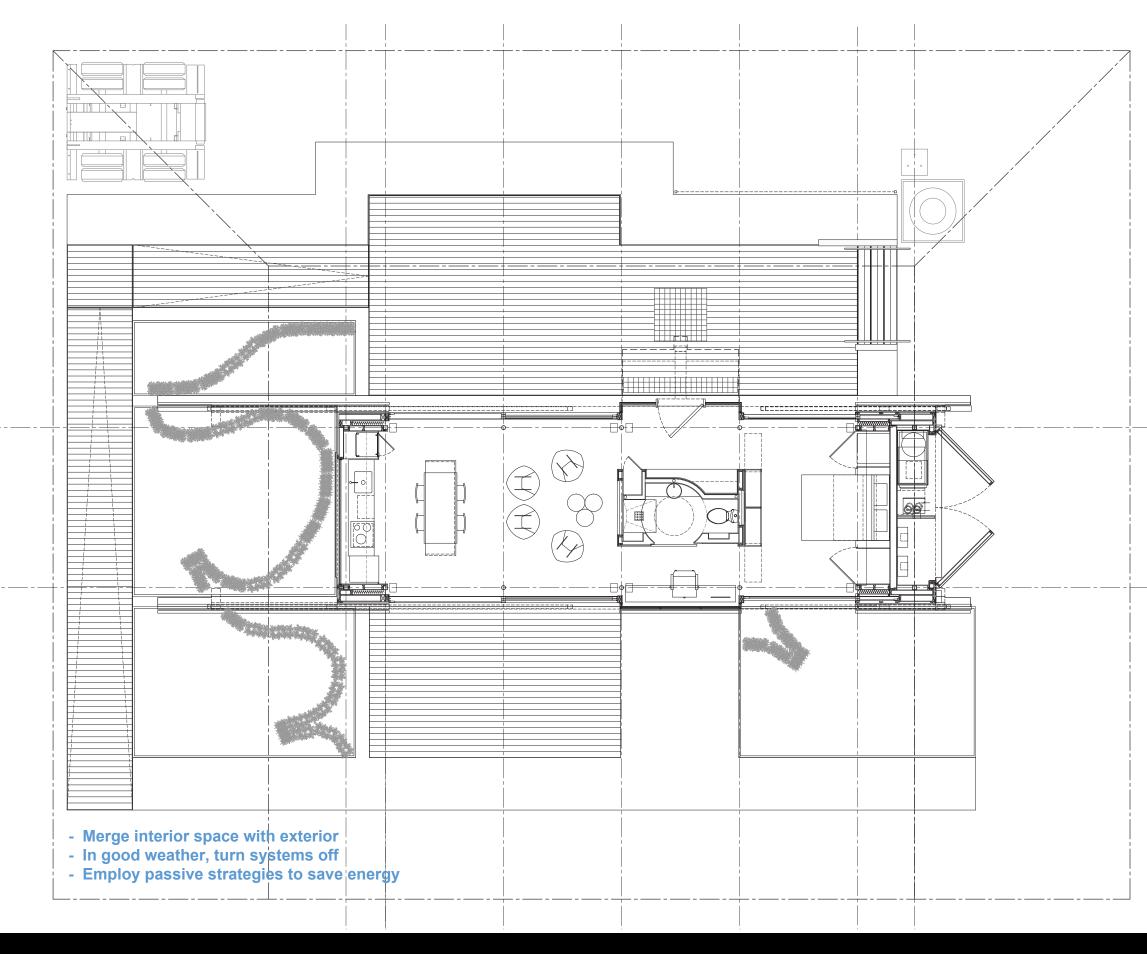


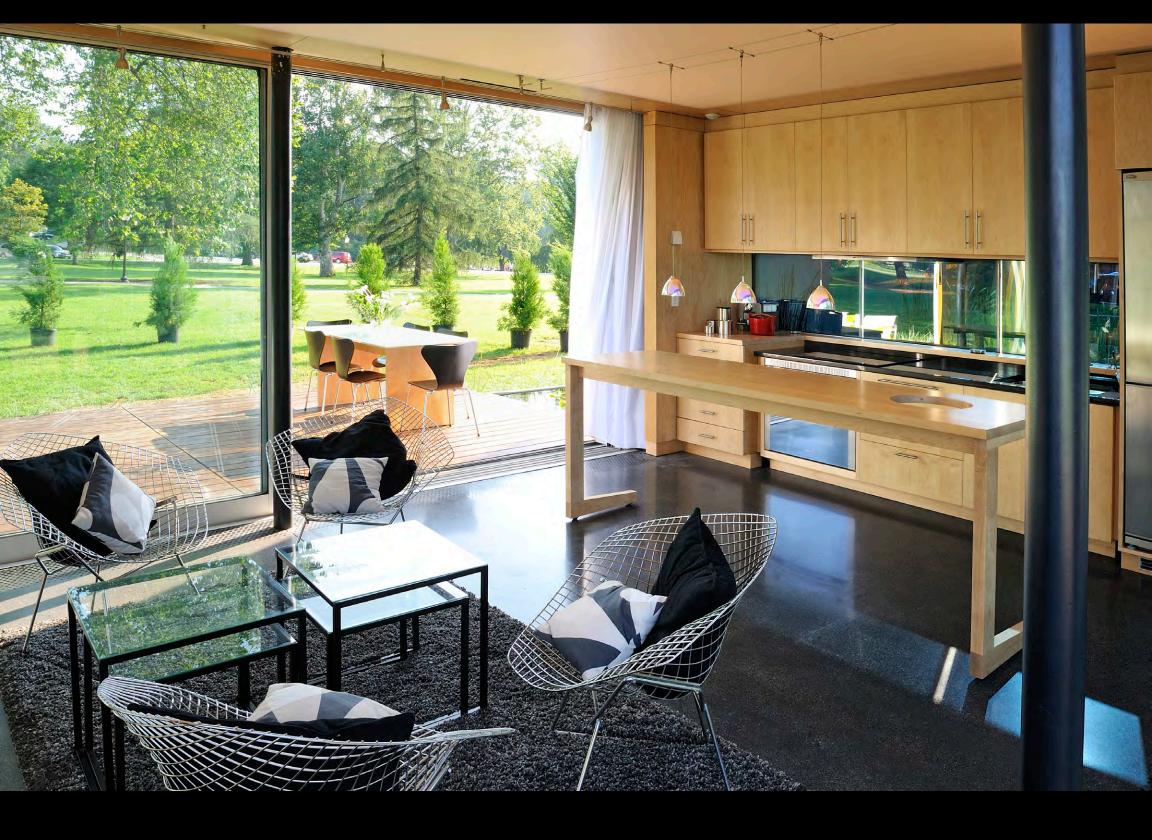


















Less is More

- Architecture of small space Abundance of Natural Light

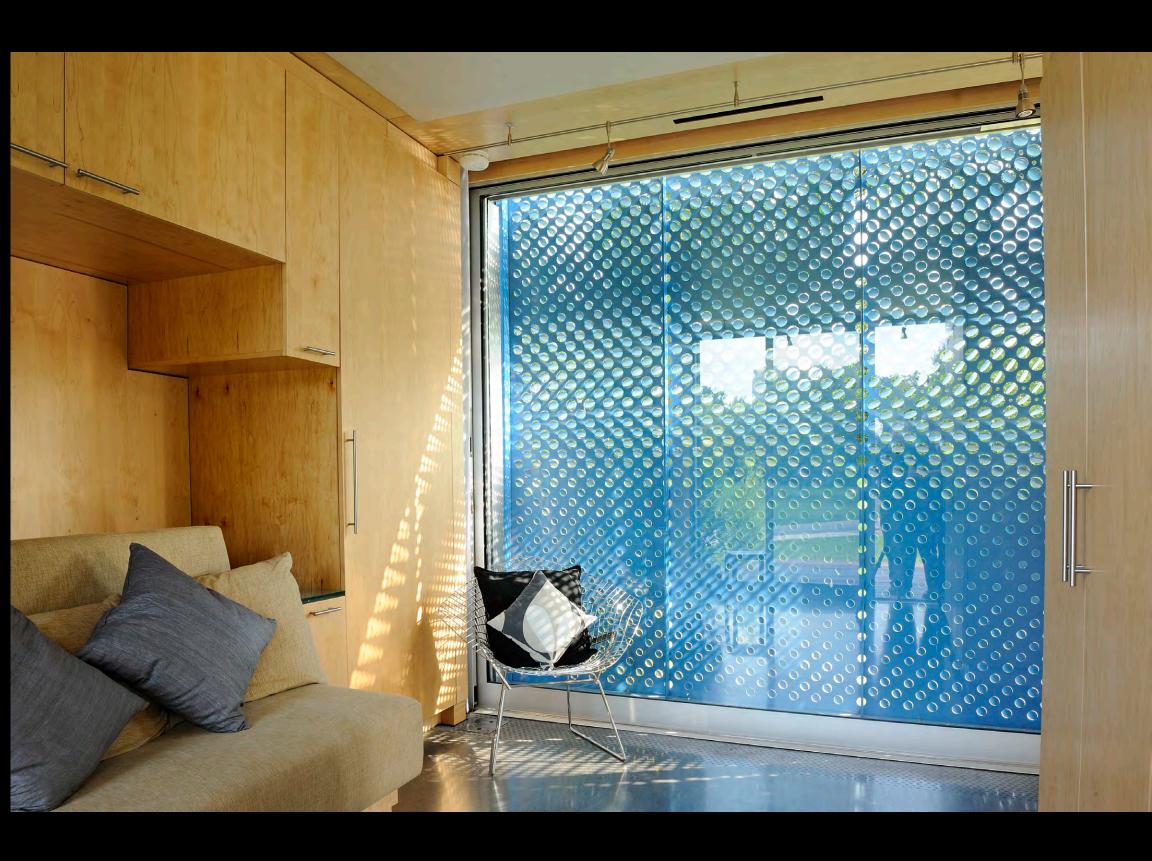






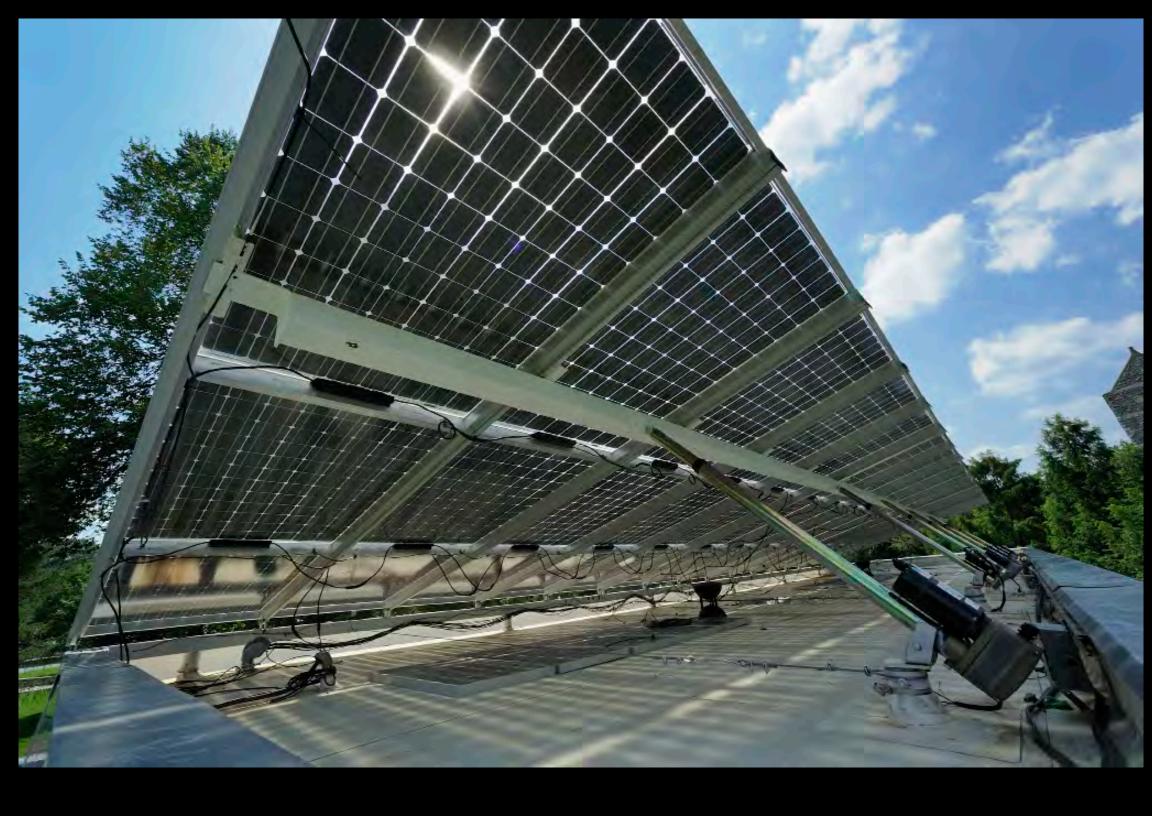








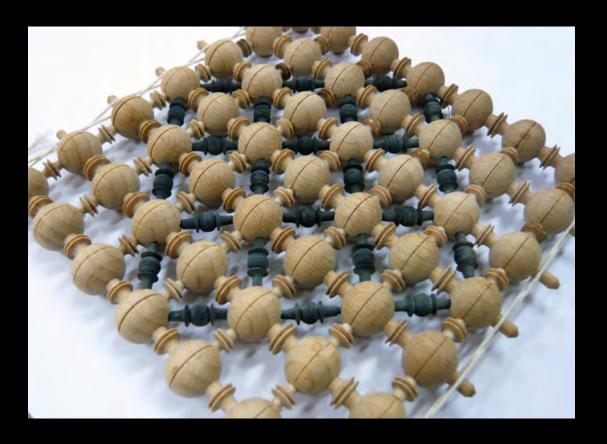








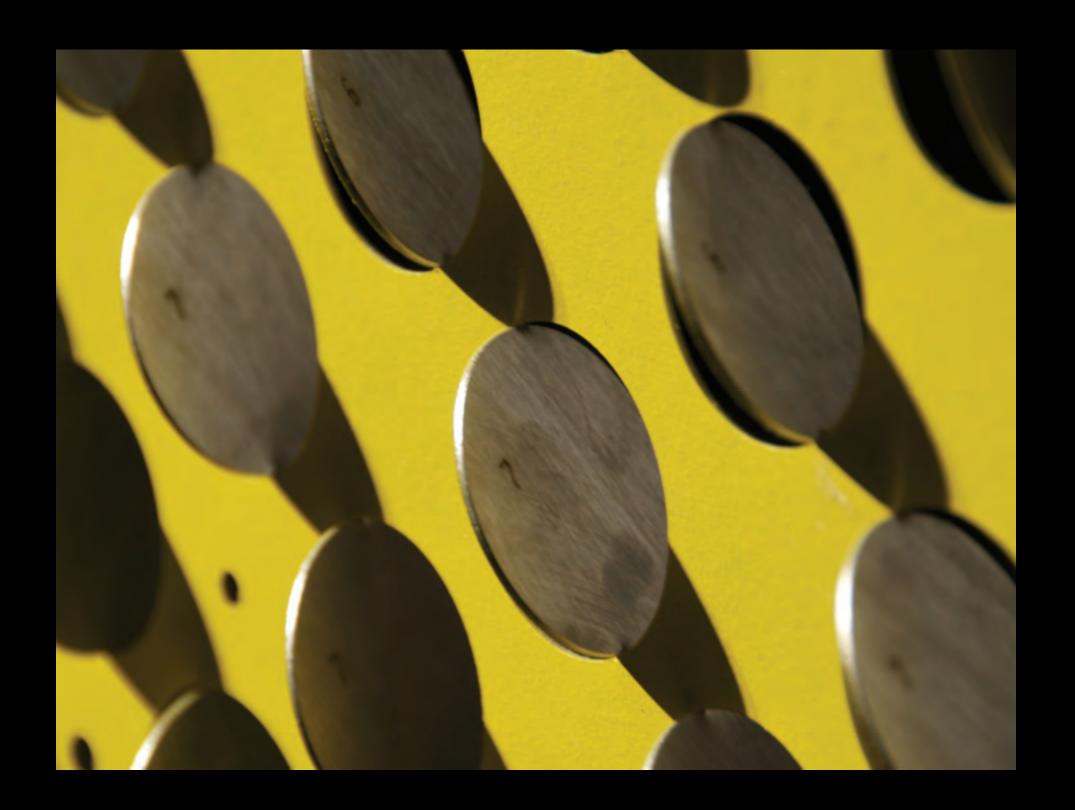


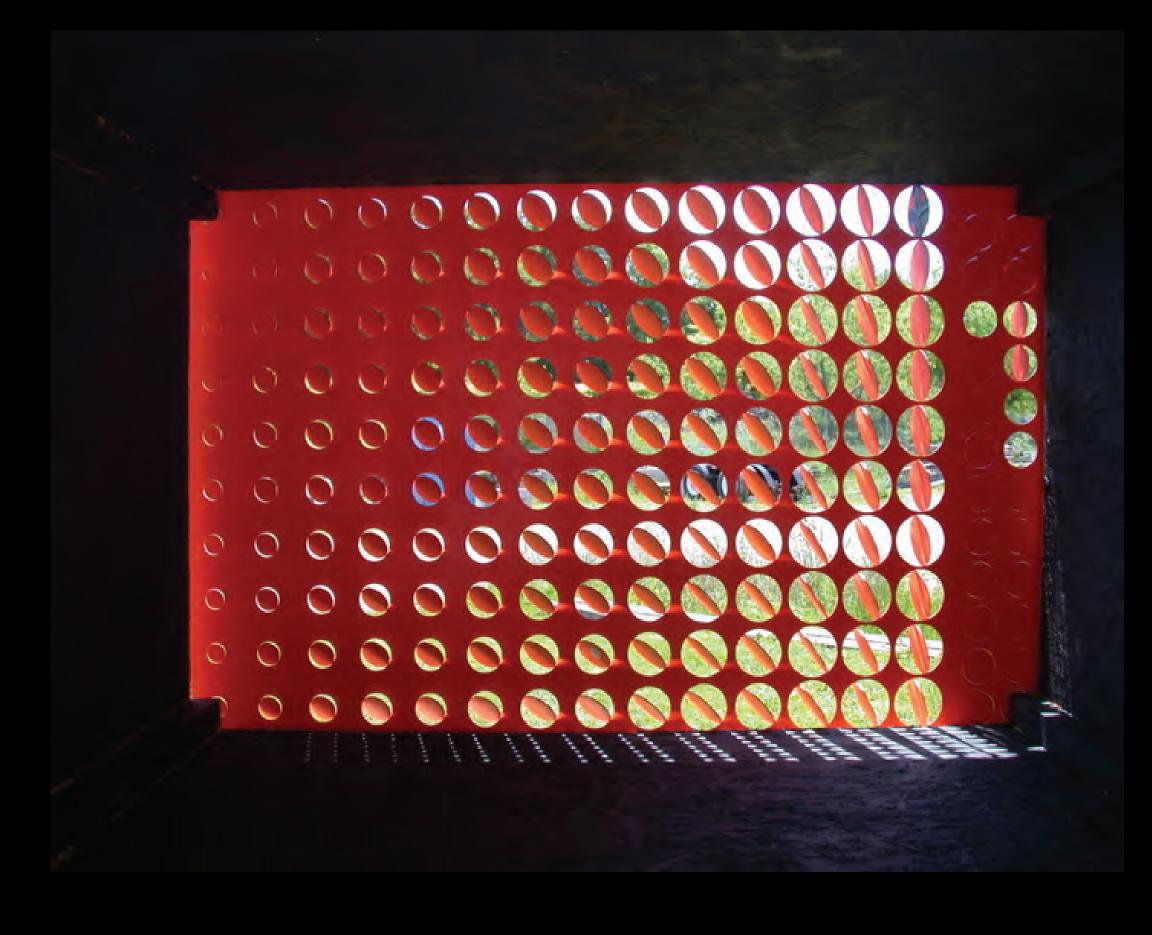




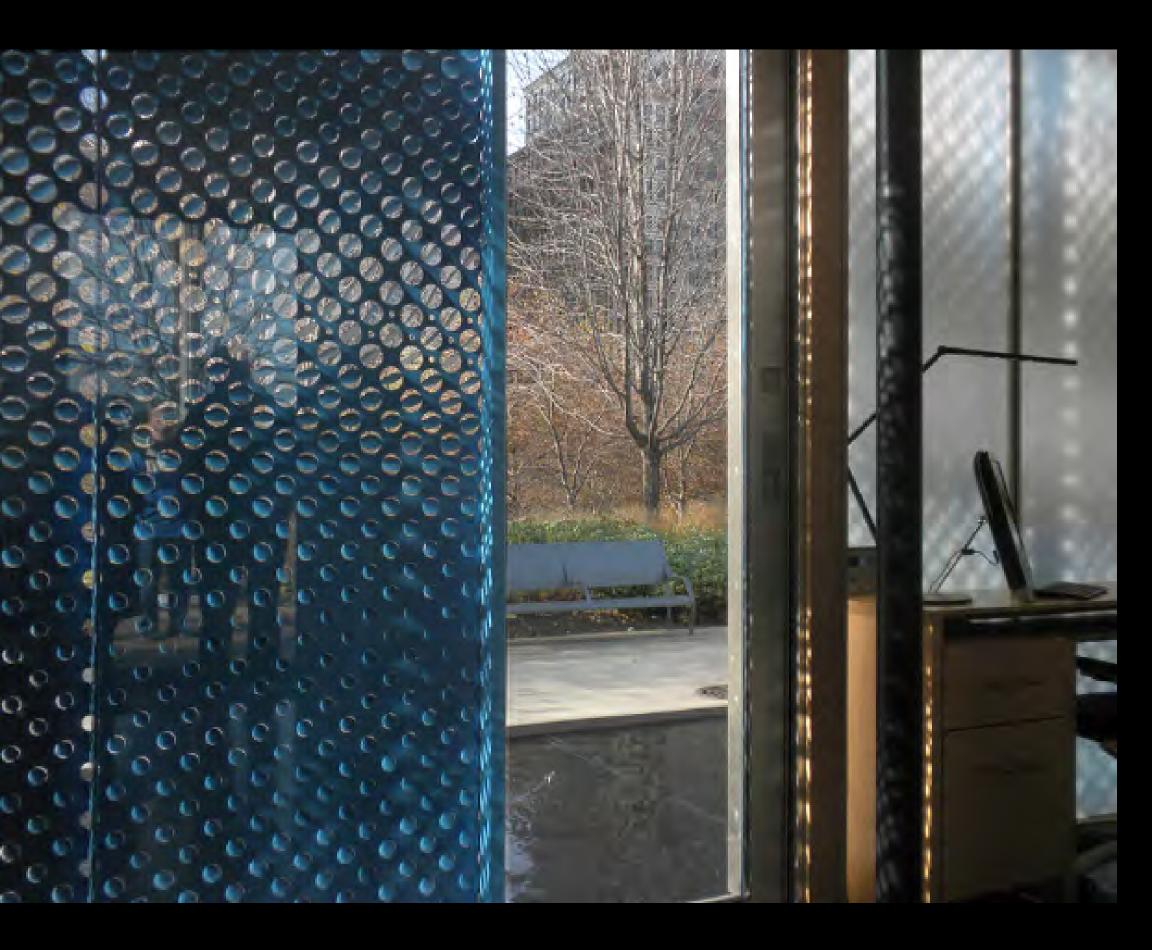




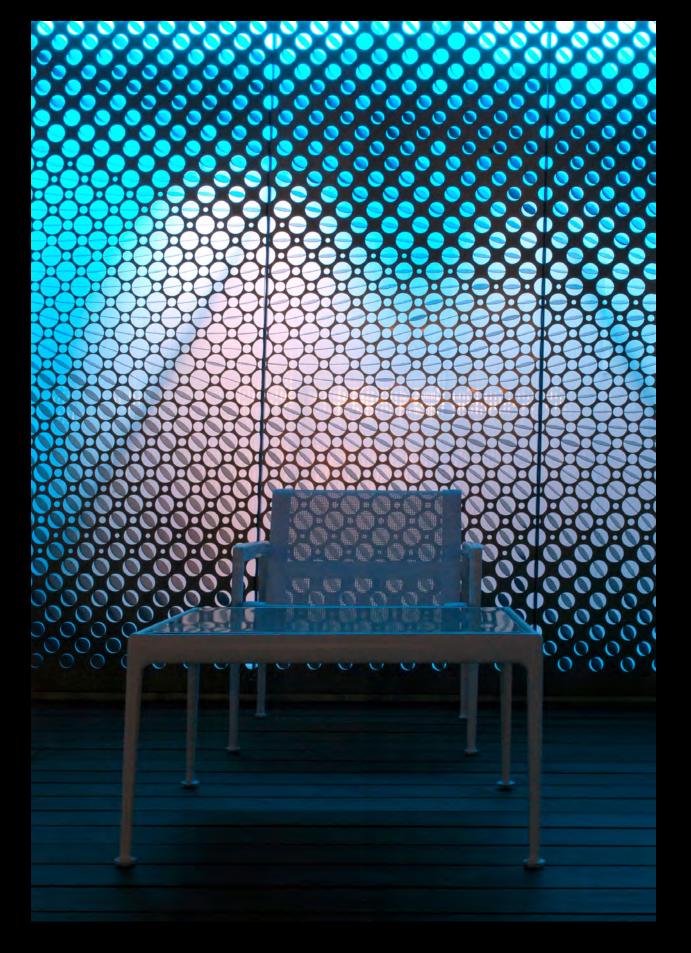




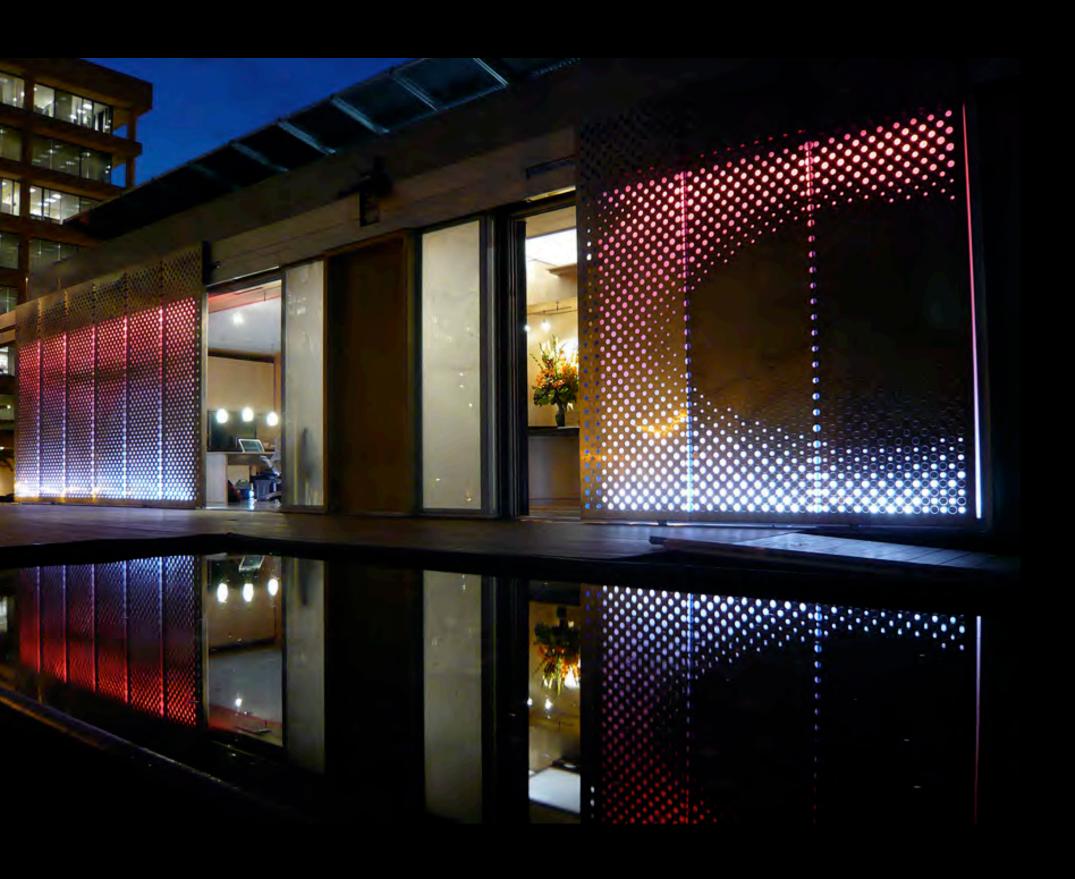




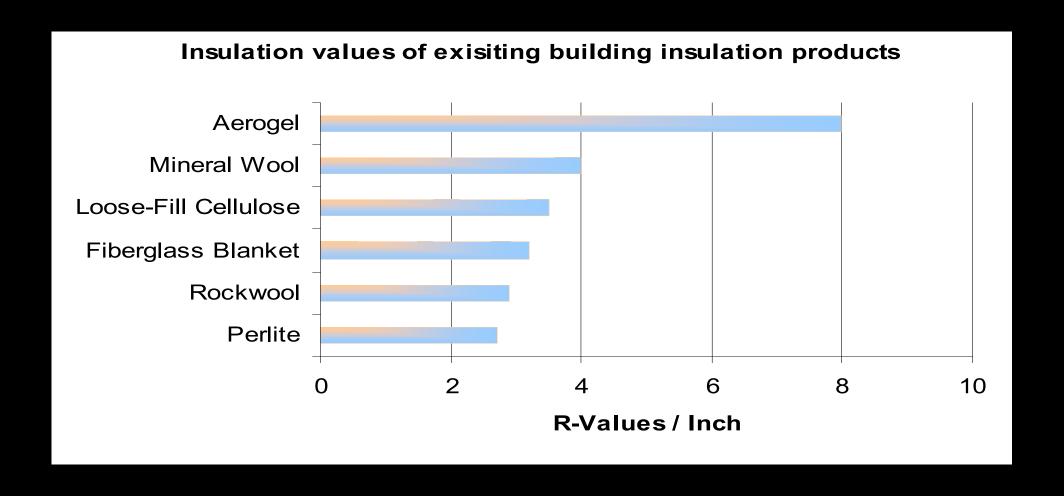
















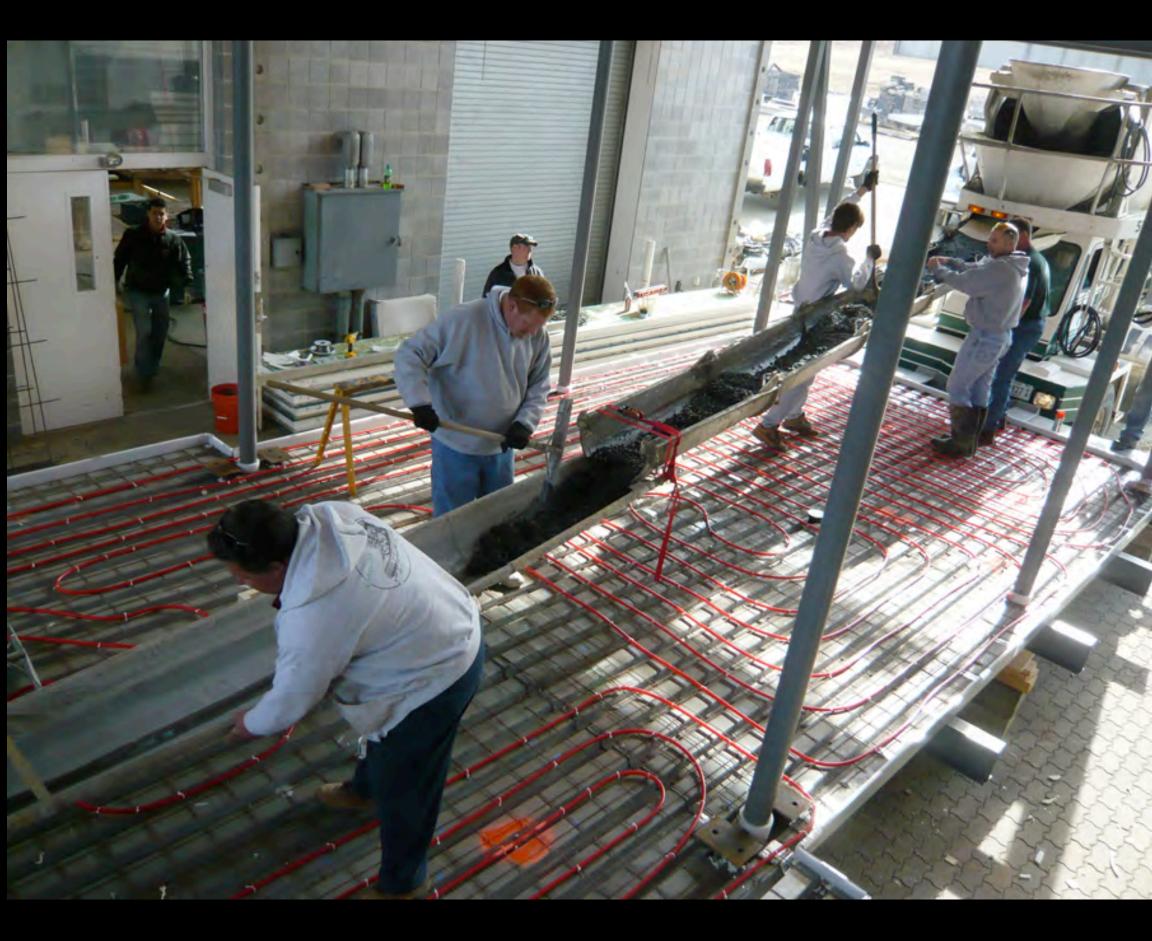






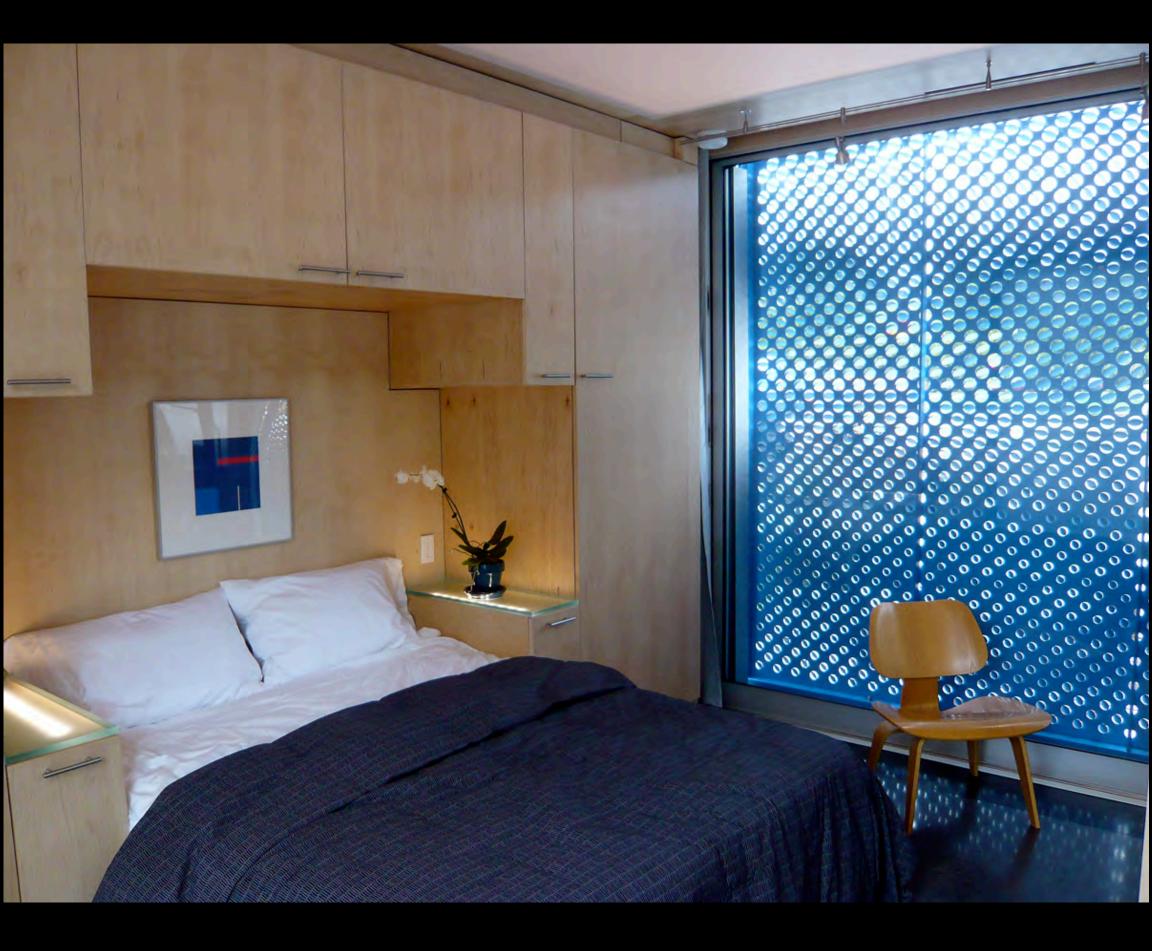






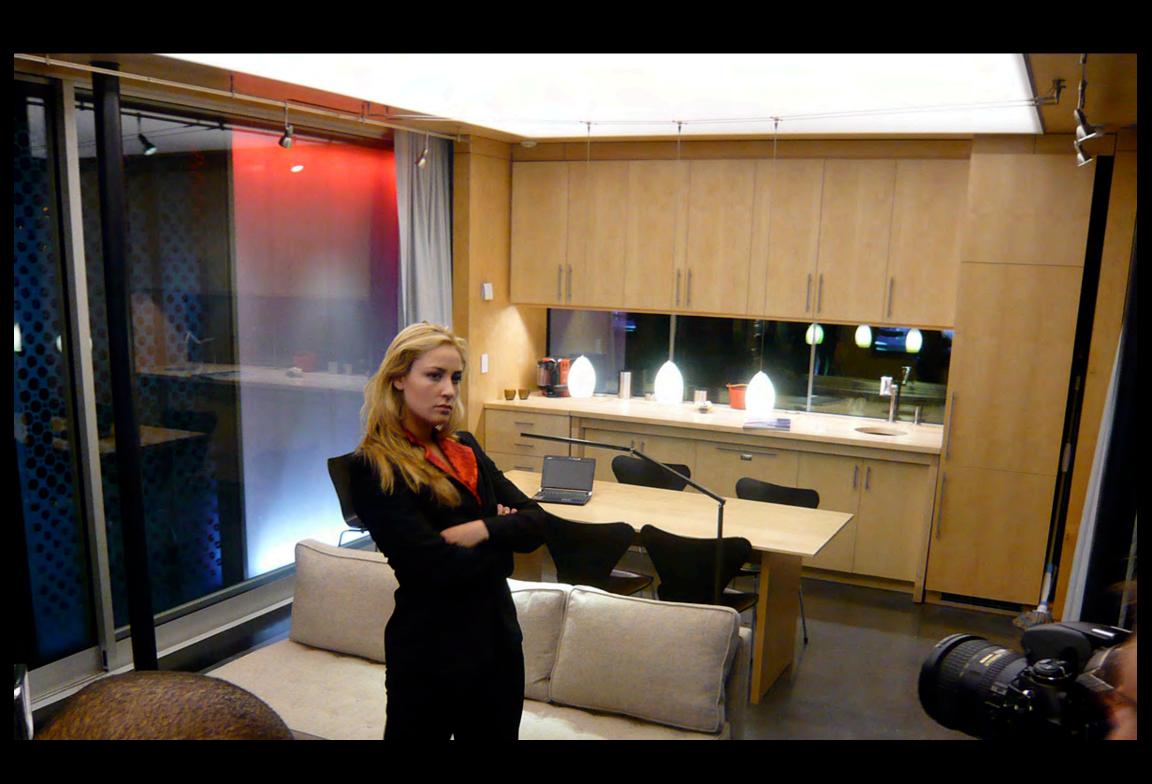




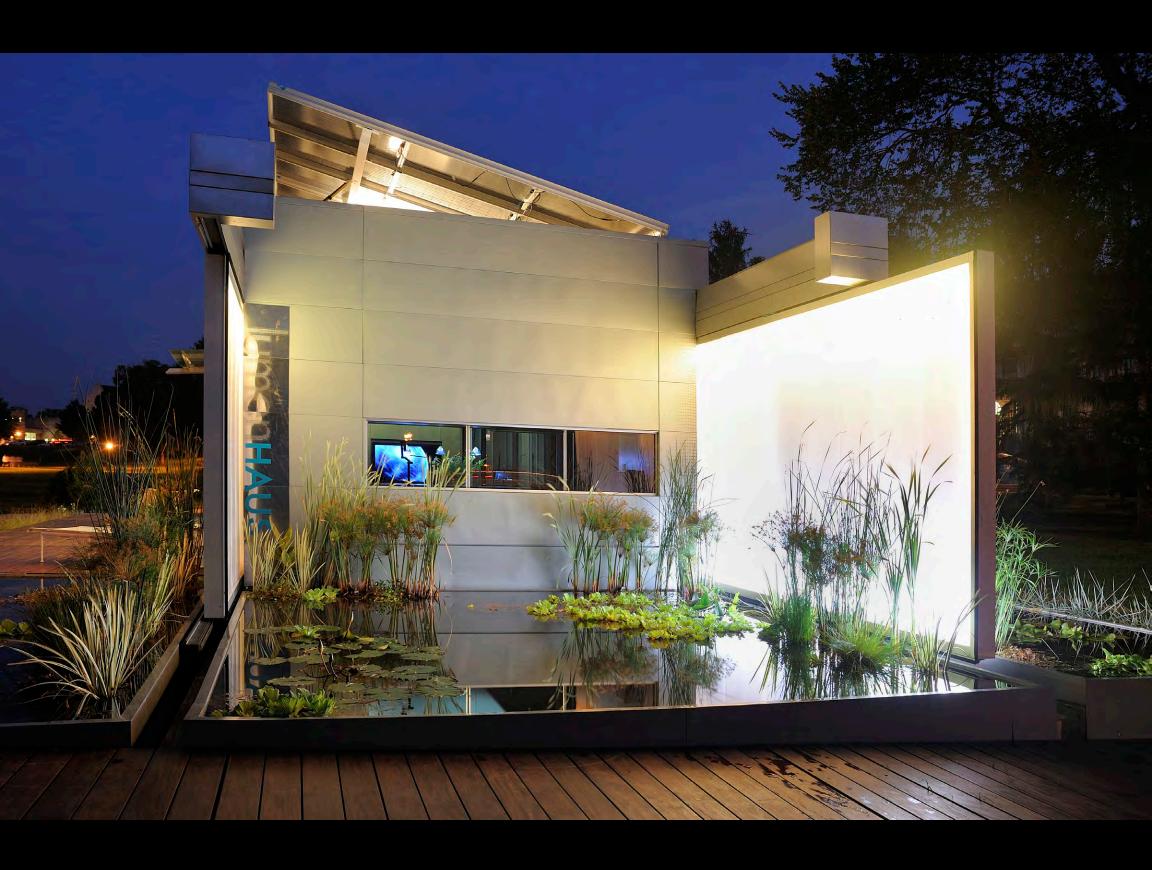






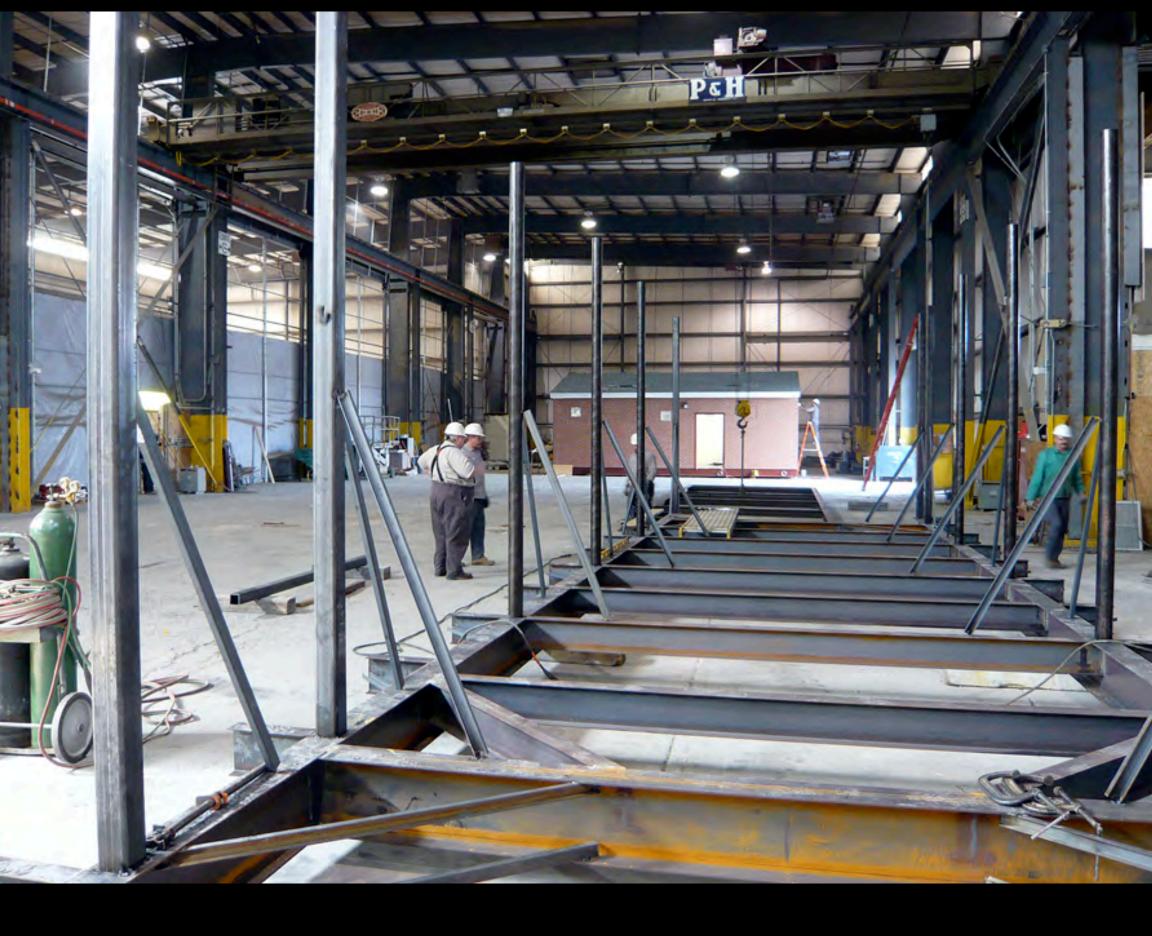


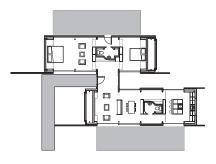






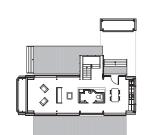








A. OFFSET HOUSE: 2 BEDROOMS, 1.5 BATHS





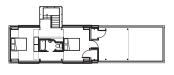
B. ROTATED HOUSE: 2 BEDROOMS, 1.5 BATHS

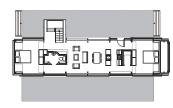






C. STACKED OFFSET HOUSE: 2 BEDROOMS, 2 BATHS







D. STACKED ELONGATED HOUSE: 4 BEDROOMS, 2 BATHS



CONCEPTUAL MODULAR STUDIES

PROPOSED MULTIPLE MODULAR ARRANGMENTS







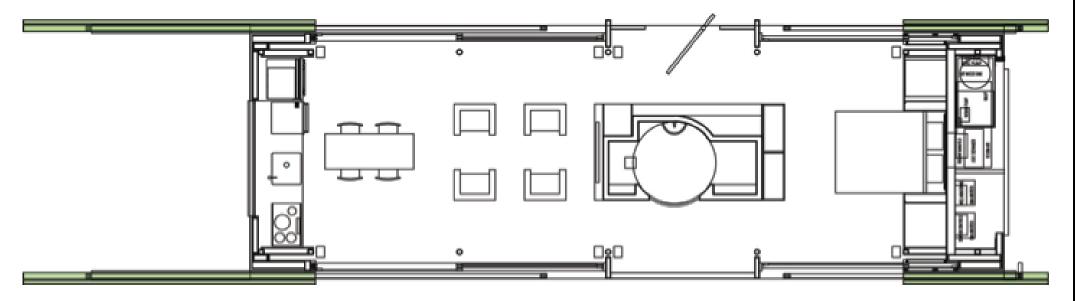


[&]quot; theres an app for that! "

The home comes equipped with an easy to use i-pad or i-phone interface that gives you control of all systems in the house including the eclipsis system, music, lighting and draperies. It also provides access to weather station data, power production, and most importantly, power consumption. By making the homeowner easily aware of their energy consumption, he or she will become much more conscious of energy use, thus influencing their behavior and habits.





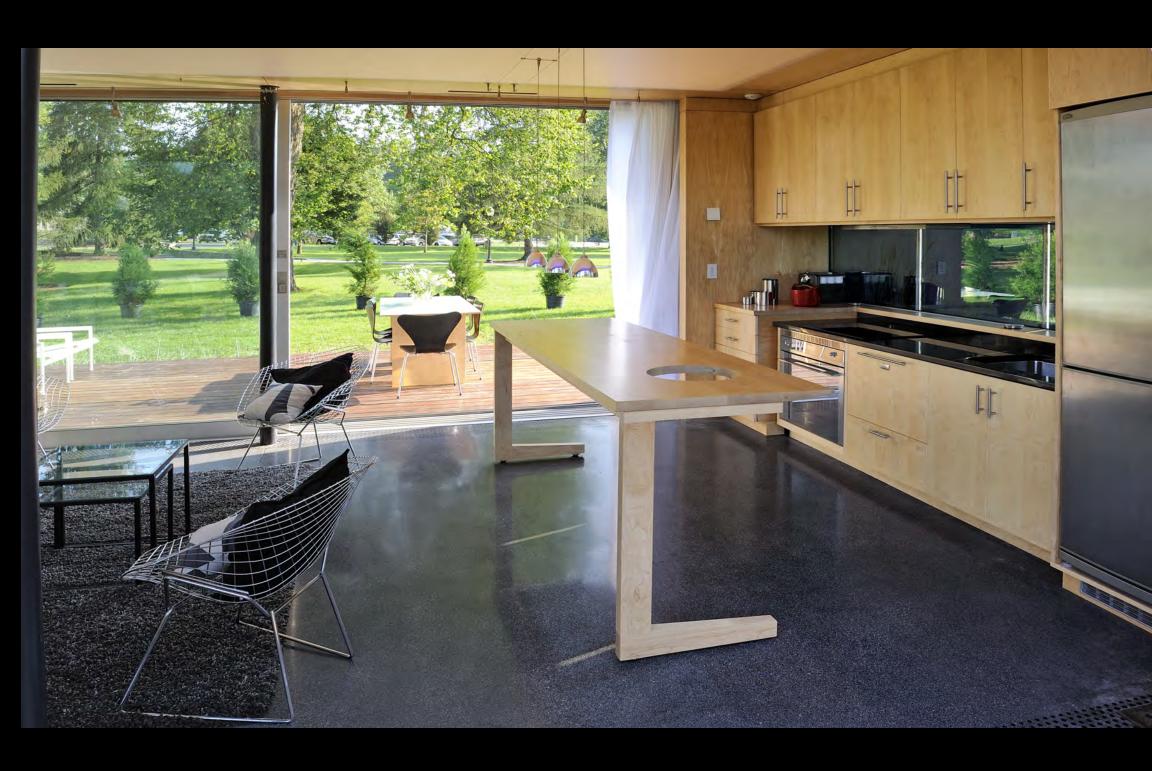


Plan showing Shutter Screens and Insulation Panels open









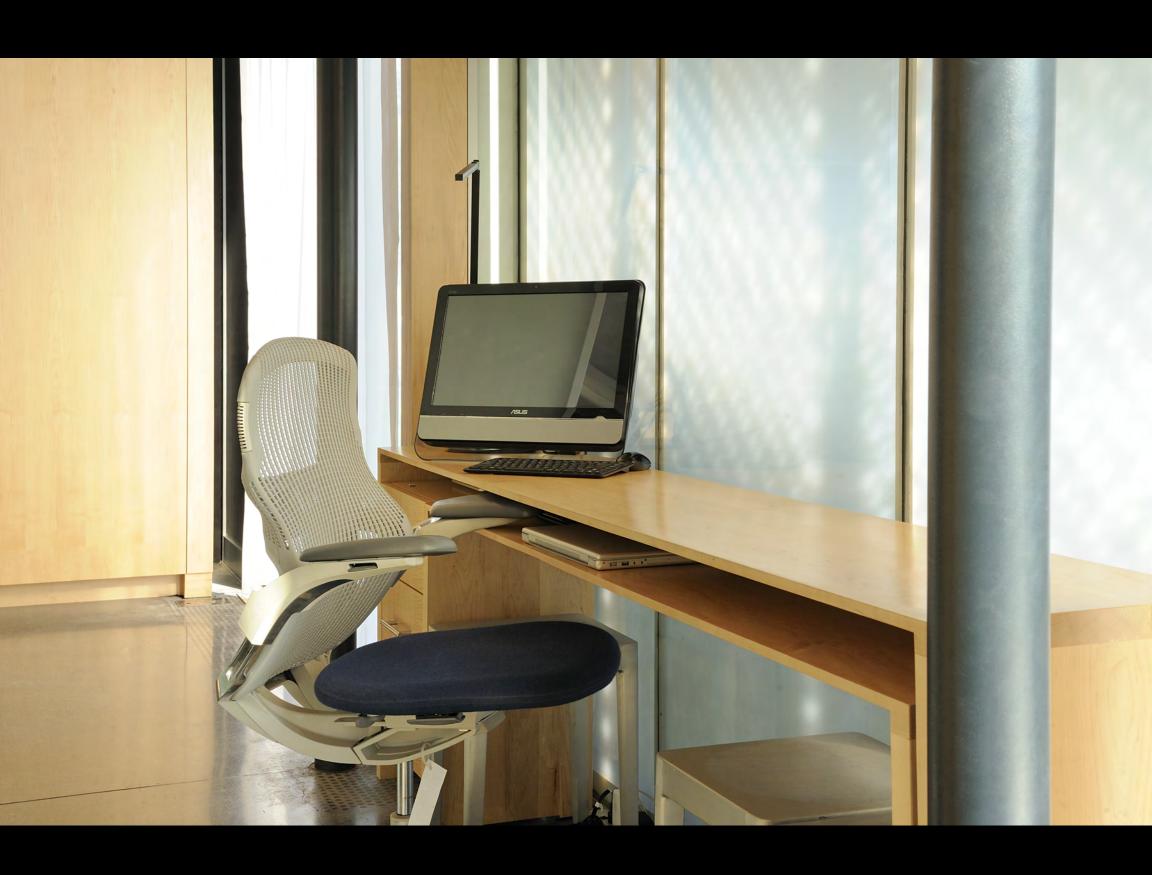






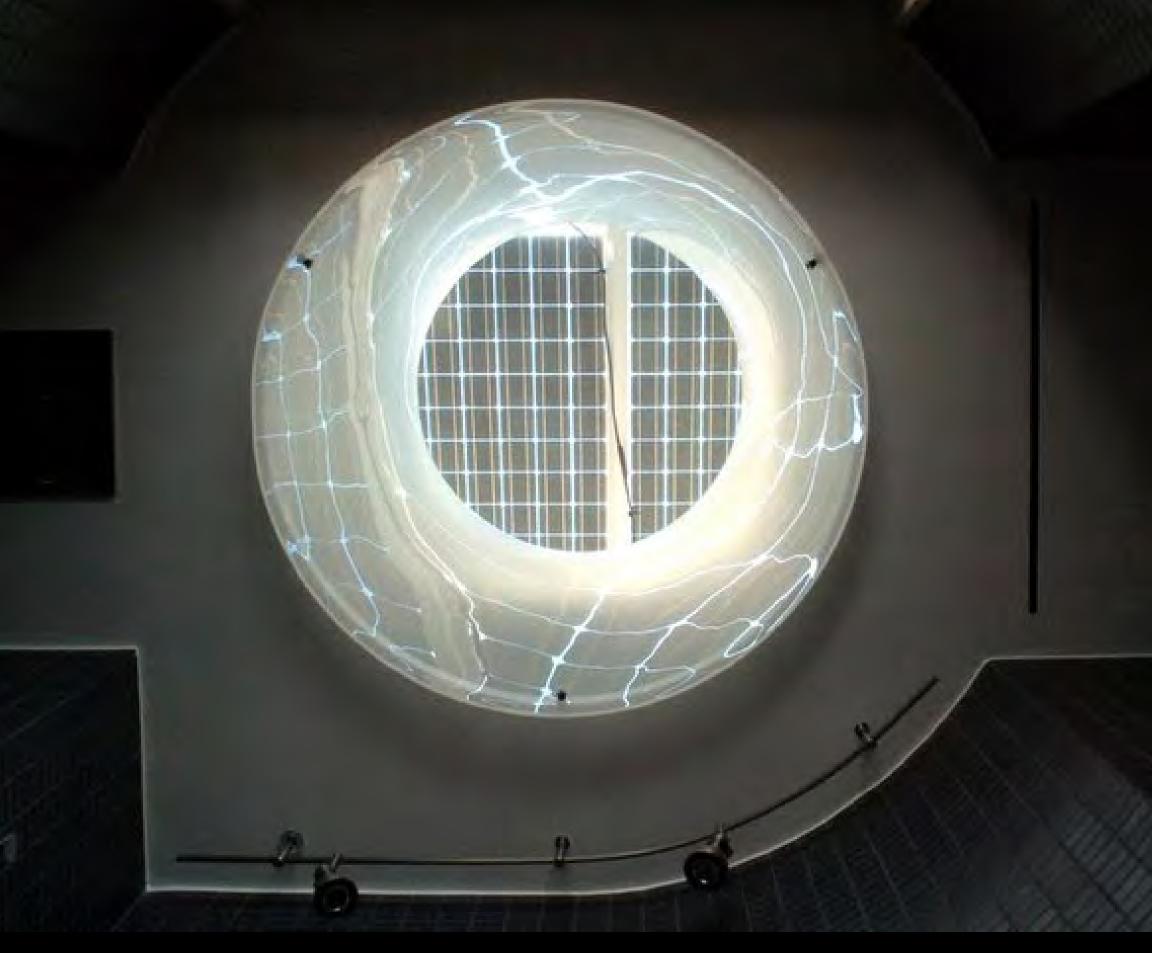


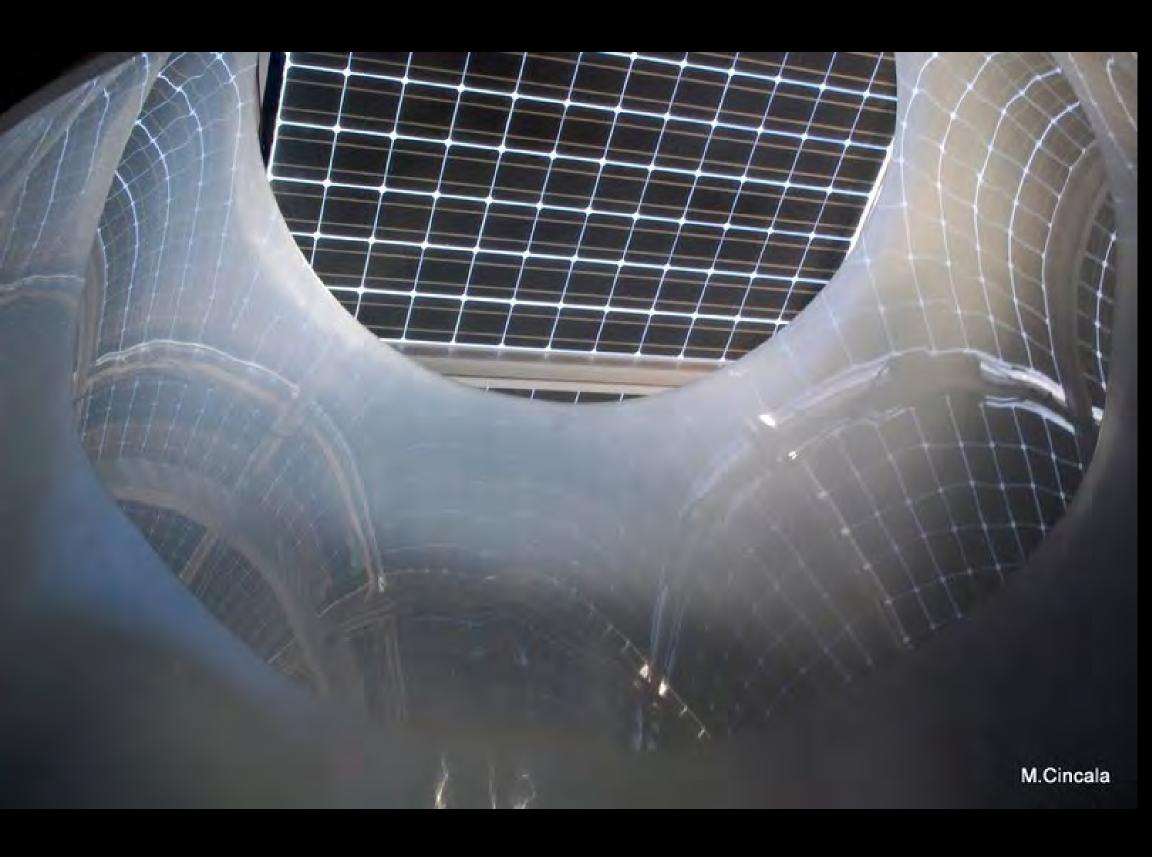






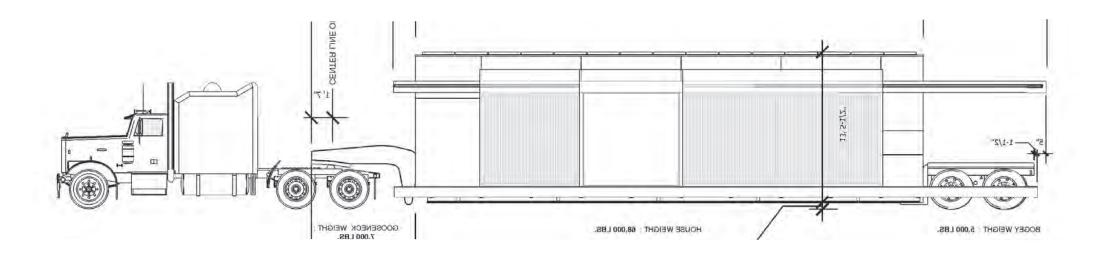


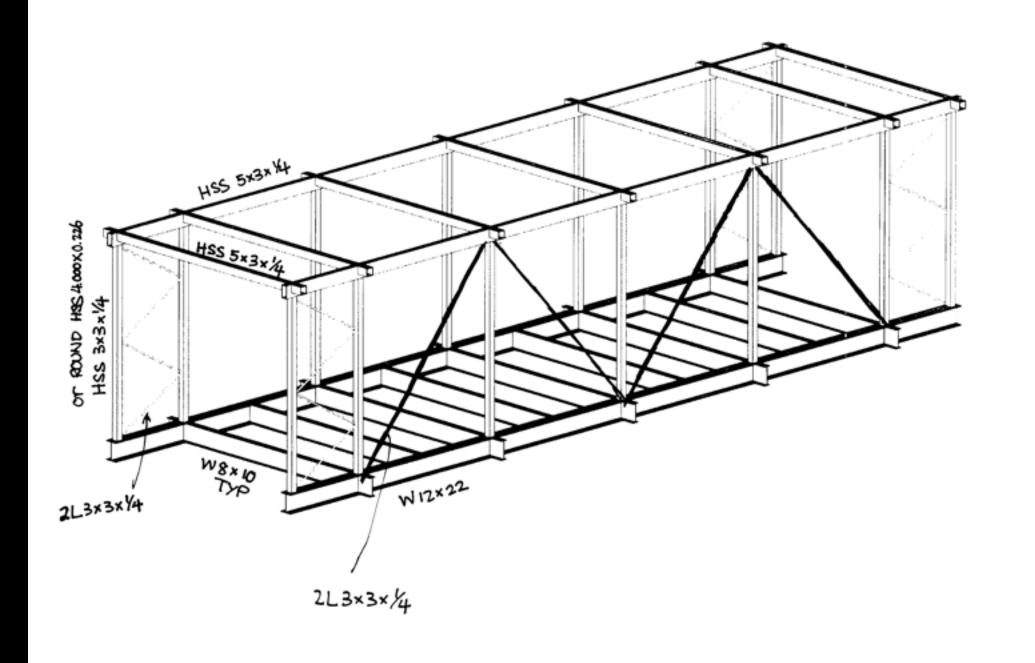


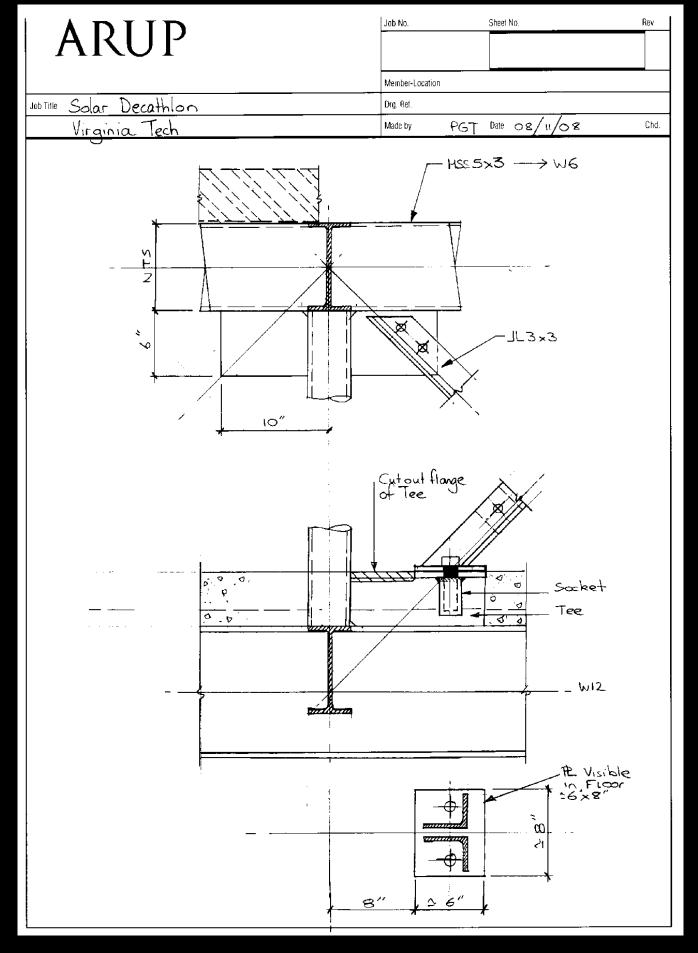




















An innovative transportation system was designed to move the house module easily ily as one piece with low clearances for road transport from the factory to the final home site.











