

Sustainable Design/Build Program: A Yestermorrow and UMass Collaboration

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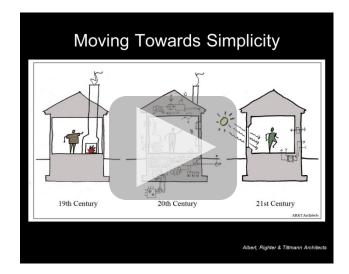


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Course Description 1 of 2

In the fall of 2011 and 2012, Yestermorrow Design Build School and UMass Amherst Architecture+Design Program ran their new Sustainable Design|Build Semester program in rural Vermont. Open to undergraduate students from any discipline and school, the program addresses farreaching sustainability topics through the lenses of small scale architecture and collaborative design/build. Over the course of two respective single fall semesters, students have designed and built two small houses. While referencing other national design|build models, this program distinguishes itself for four unique parameters: an interdisciplinary design approach, a sustainable design agenda, a consensus model of decision-making, and an immersion "study away" campus experience.



Course Description 2 of 2

With that in mind, presenter, José Galarza, in conjunction with Carey Clouse, AIA, defines the basic methods for running effective design/build studios. This presentation covers the first two projects completed: two semesters of design | build with two different groups. The work covered will discuss sustainable systems, design, and strategies, and explain of techniques used to address building safety and user comfort in the context of a very small building. The course provides an introduction to the design and construction of very small spaces, along with an overview of teaching considerations for this unique classroom alternative.



Learning Objectives

- 1. Develop innovative sustainable systems, design, and strategies for small houses.
- 2. Understand techniques used to address building safety and user comfort in the context of a very small building.
- 3. Explain key resources for an equitable, consensus model of decisionmaking.
- 4. Understand interdisciplinary approach to sustainable design.







José Galarza Director of Semester Programs Yestermorrow Design/Build School Warren, VT Speaker



Carey Clouse, AIA Assistant Professor University of Massachusetts Amherst Amherst, MA Speaker



Stephen Schreiber, FAIA University of Massachusetts Amherst Moderator

Submit a question to the moderator via the Chat

box. They will be answered as time allows.

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Continuing & Professional Education

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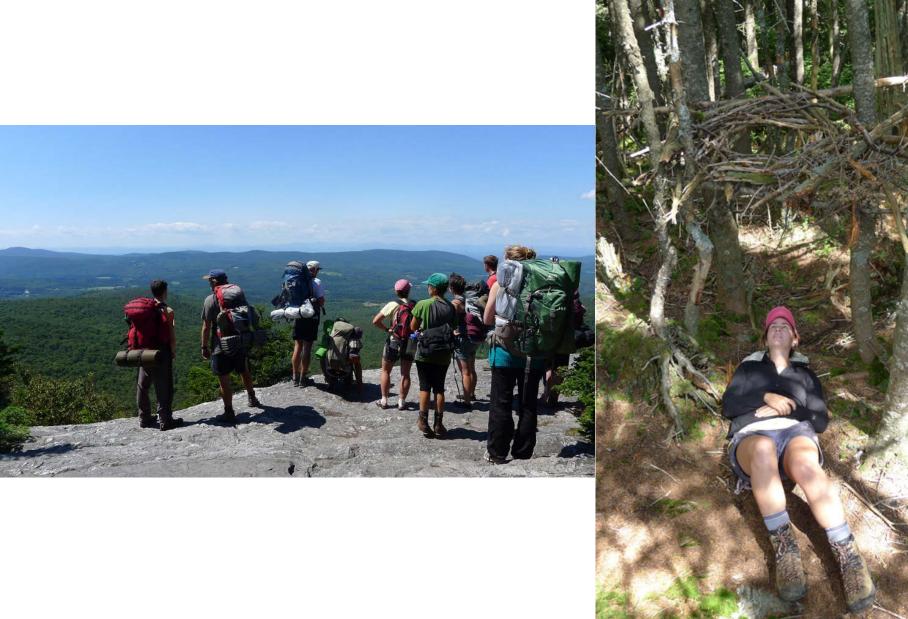
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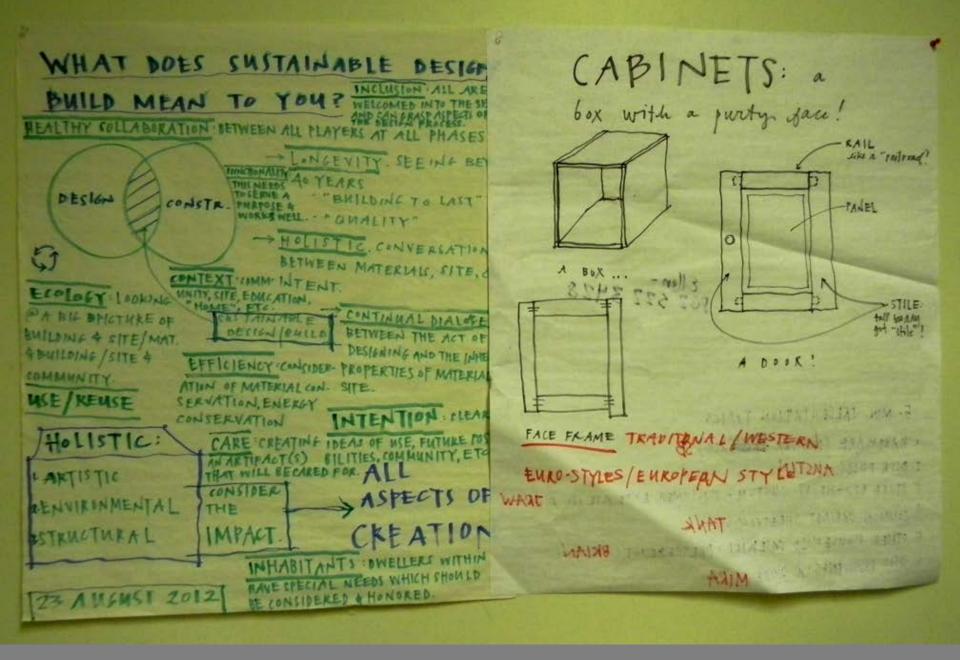
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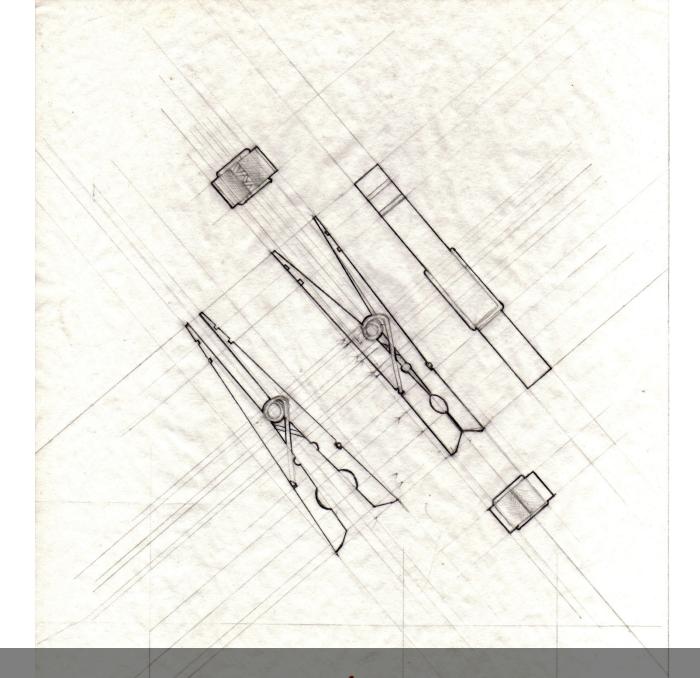
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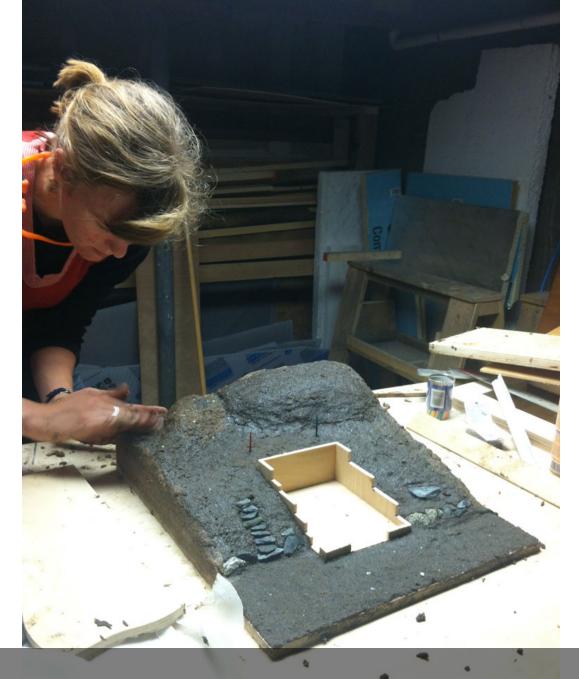




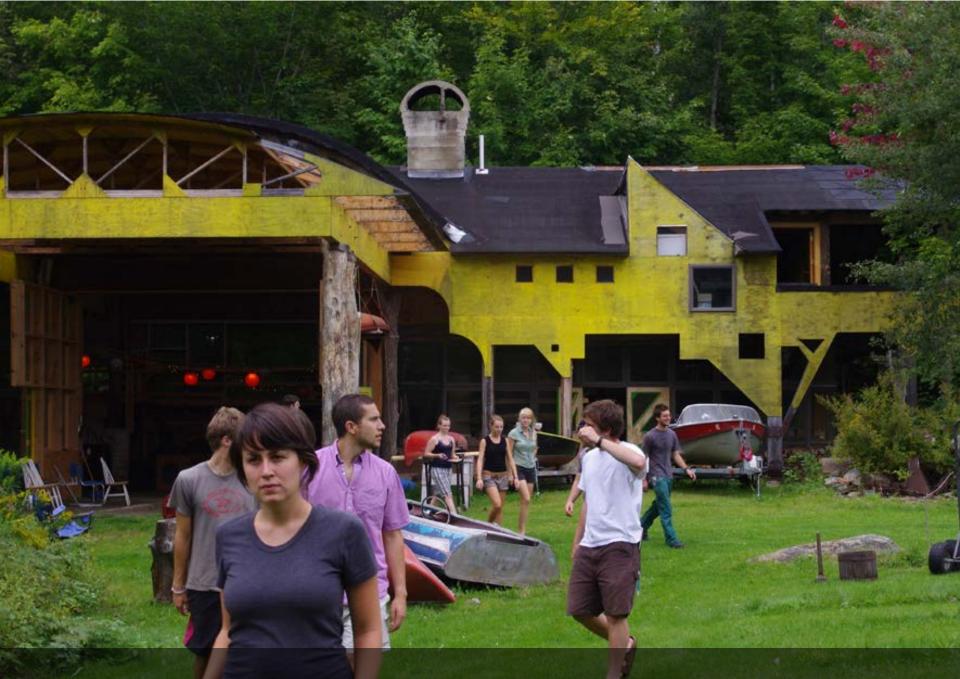














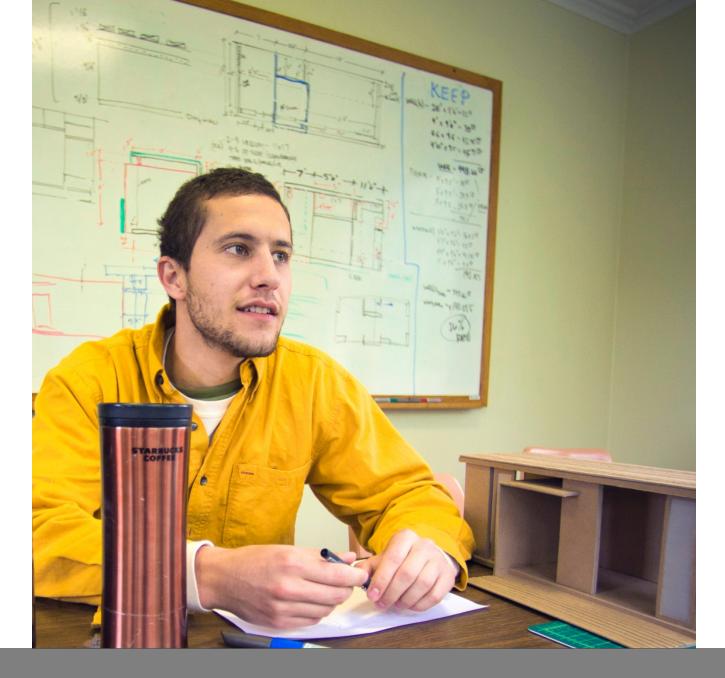
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Andrew Passan Day of the South

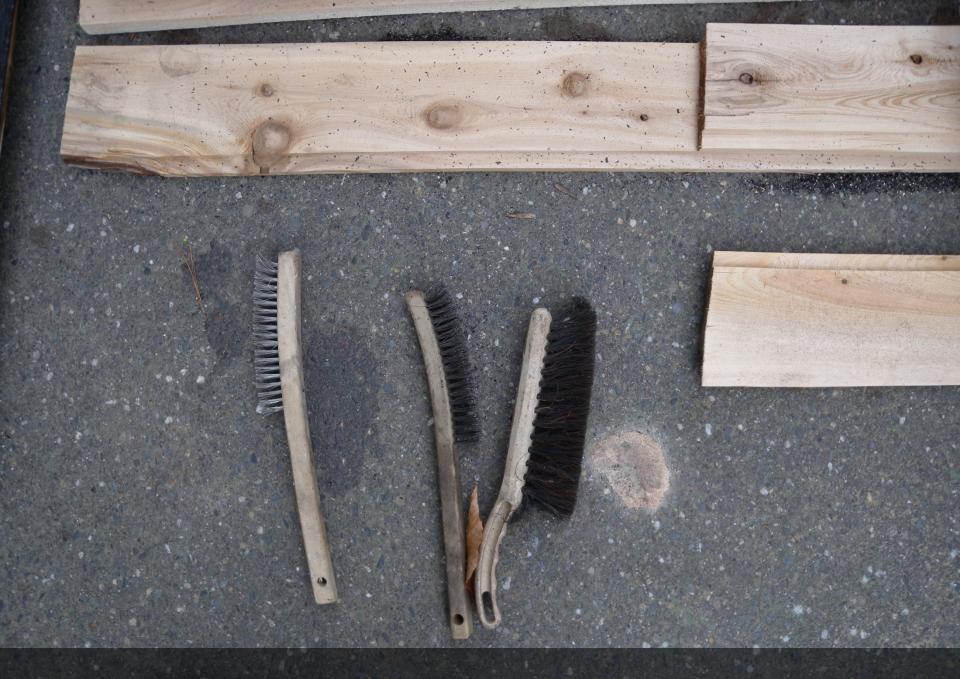


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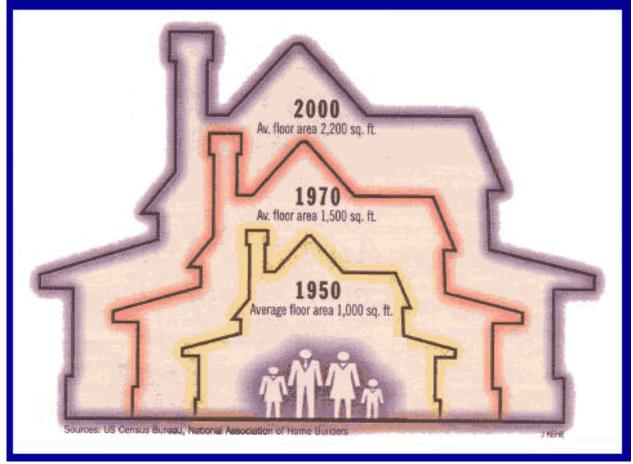




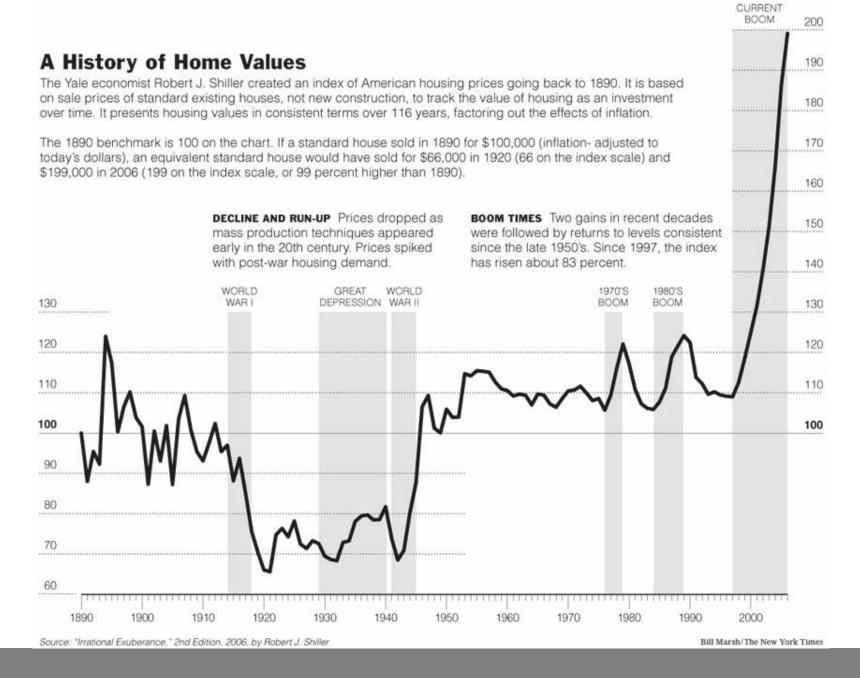




1950 3.37 people per household - 297 s.f. per person 1970 3.14 people per household - 478 s.f. per person 2000 2.62 people per household - 840 s.f. per person



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Yestermorrow Semester in Sustainable Design/Build 2011

It's okay to be tiny.

Somewhere in a McMansion someone is trying to mop the floors. All of them.

Our little house thinks you deserve better.

It isn't afraid to be different. Or cheap. Or sustainable. And it knows you aren't either.

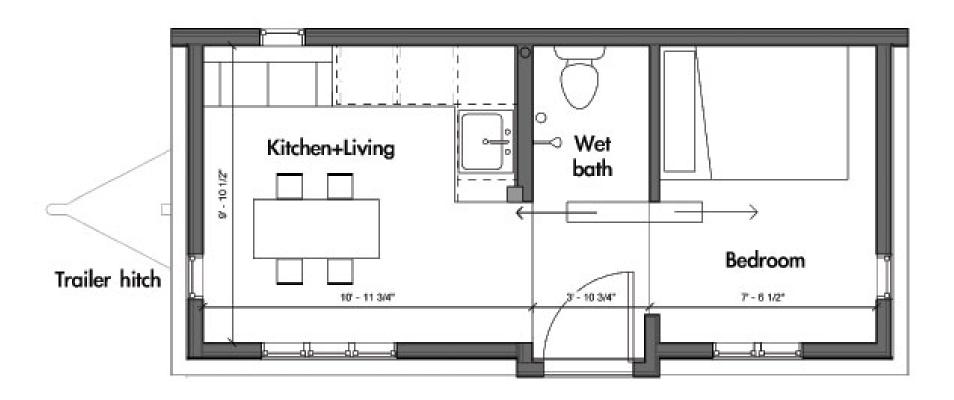
See the big picture in your tiny house.

it's okay to be tiny.

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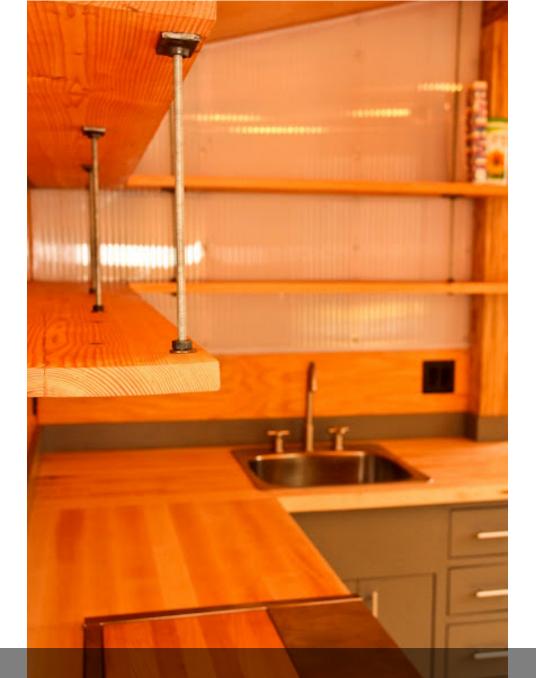


Tiny House (227 SQFT) 2012 WMAIA Honor Award Winner

Features Include:

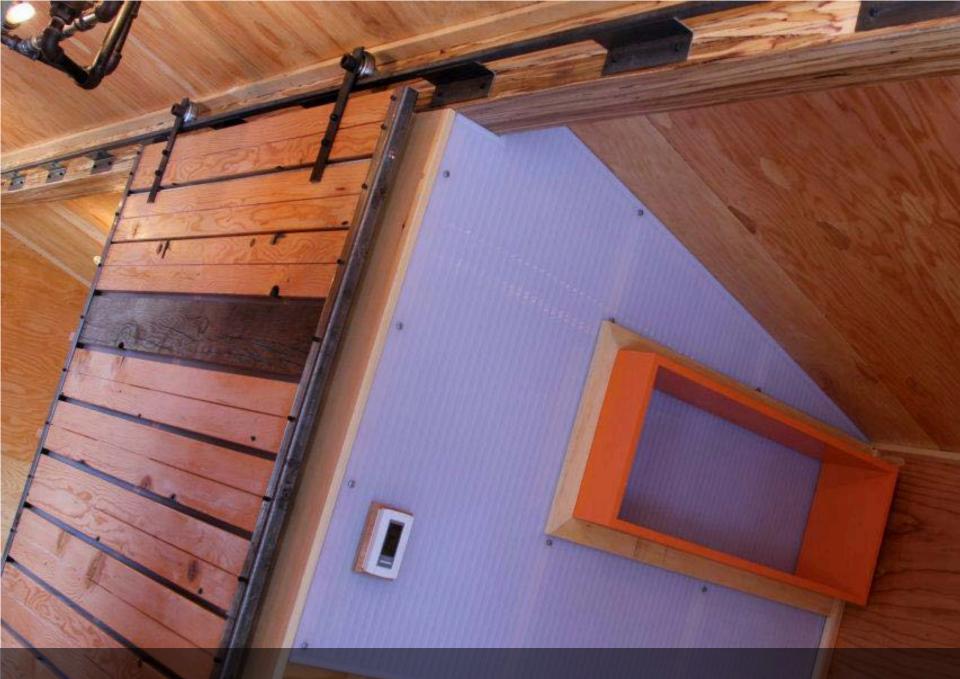
- -Transportable
- -50 AMP electric (suitable for PV)
- -Composting Toilet
- -Charred Cedar Shiplap Siding
- -Recycled/Salvaged Material Throughout



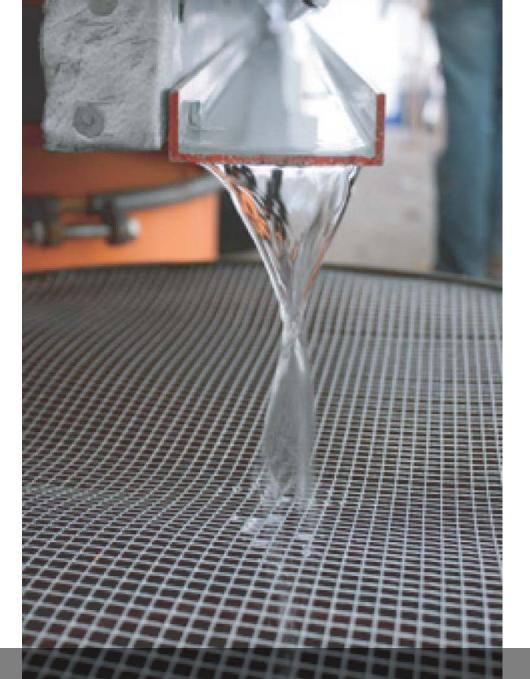


















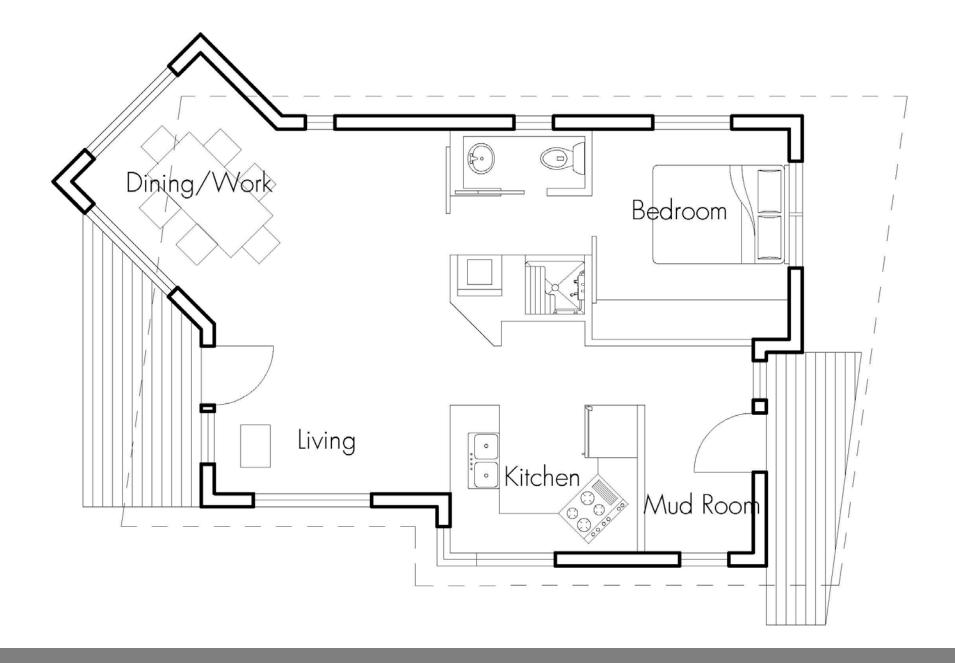




OPEN HOUSE TODAY 3:30-6P M

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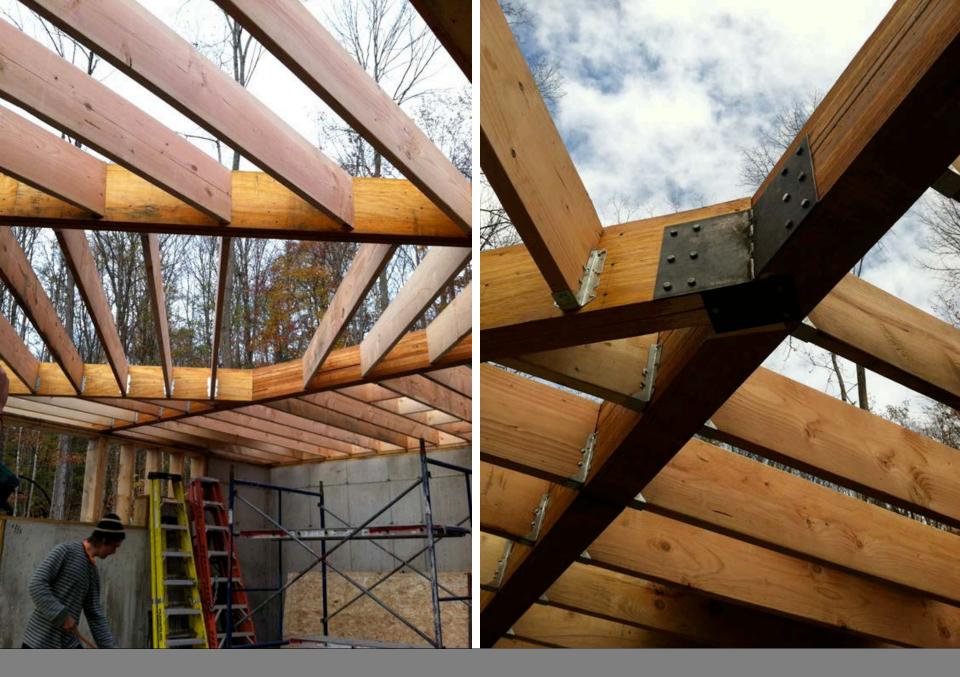




Small House (625 SQFT)

Features Include:

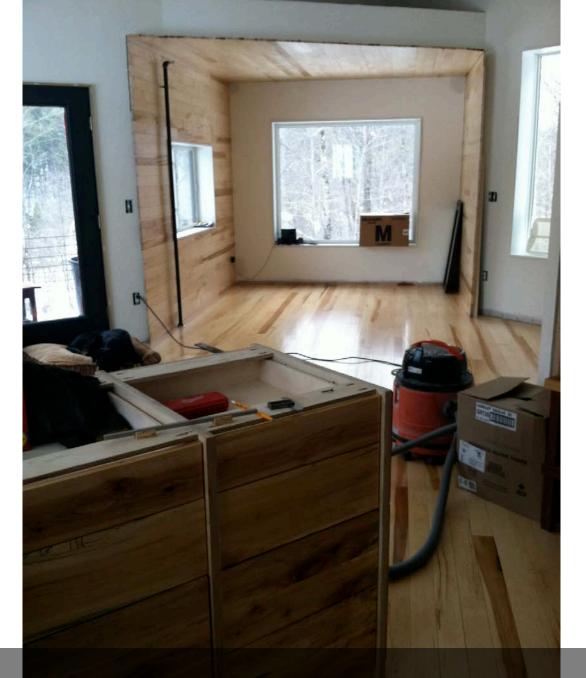
- -Multiple cantilevers
- Salvaged cherry as exterior cladding
- -Visible heavy steel structure
- -Shop-built corner wood
- -Super insulated cellulose blown walls
- -Locally built Elm Woodstove
- -Sheet steel wrap on exterior

















INSTRUCTORS: BEN CHENEY, CAREY CLOUSE, JOSÉ GALARZA, JOSH JACKSON, ANNIE MURPHY, ANNA LUCEY O STUDENTS: ERIC STUMPF (SKIDMORE COLLEGE), EVAN MORRIS (CLEMSON UNIVERSITY), HARRY HARRIS (POMONA COLLEGE), HENRY RUTLEDGE SHEPLEY (UNIVERSITY OF VERMONT), RYAN HERRICK (HAMPSHIRE COLLEGE), TERRI CHAPMAN (NEW SCHOOL), URS RIGGENBACH (COLLEGE OF THE ATLANTIC), EVAN DUNAGAN (UNIVERSITY OF WASHINGTON), MATT SUTTER (UMASS AMHERST), MEGAN MORSE (NORWICH UNIVERSITY), RUBY NELSON (COLLEGE OF THE ATLANTIC), AUSTIN ANDERSON (NEW YORK UNIVERSITY), BEN RESNICK (BROWN UNIVERSITY), BRIAN THOMAS KENNEDY (BATES COLLEGE), GRACE BENNETT (UNIVERSITY OF OREGON), JENNIFER CAVANAUGH (HAMPSHIRE COLLEGE), MIRA LIEMAN-SIFRY (TUFTS UNIVERSITY)

2011 - 2012

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For more info:

<u>www.yestermorrow.org/semester</u> jose@yestermorrow.org (802) 496 - 5545

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Follow the student produced blogs from 2011 & 2012 semesters: <u>http://ym-semester.tumblr.com/</u> <u>http://ym-semester12.tumblr.com/</u>

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Good design makes a difference

Thank you for joining us!

This concludes the AIA/CES Course #H13003.

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