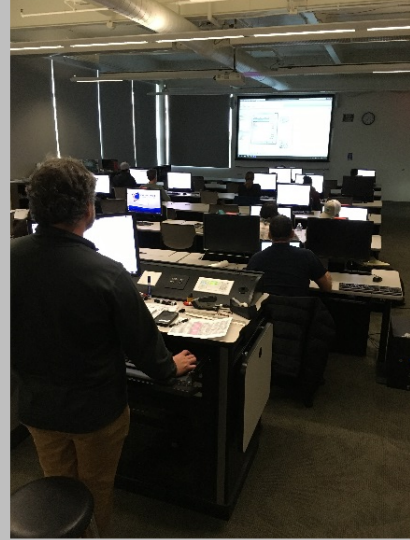
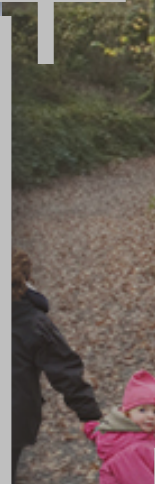


TINY HOUSE COMPETITION

COSUMNES RIVER COLLEGE



THE TINY HOUSE COMPETITION- BUILD SMALL WIN BIG

- TINY HOUSE COMPETITION BY SMUD
- A FIVE PROGRAM COLLABORATION
 - ARCHITECTURE
 - ARCHITECTURAL DESIGN TECHNOLOGY
 - CONSTRUCTION MANAGEMENT
 - CONSTRUCTION
 - HORTICULTURE



DESIGN DETAILS

- 10 COLLEGES ARE COMING TO COMPETE
 - University of California, Berkeley
 - California State University, Chico
 - College of the Sequoias
 - Cosumnes River College
 - California State University, Fresno
 - Laney College
 - California State University, Sacramento
 - San Jose City College
 - Santa Clara University
 - University of California, Santa Cruz & Cabrillo College
- LEARN BY DOING, DESIGN AND BUILD
- MULTIPLIER EFFECT



CRC HOSTING TINY HOUSE COMPETITION

OCTOBER, 2016

CRC IS SITE NUMBER 5

Tiny House Competition
Cosumnes River College, Parking Lot E



PARTNERS

- SMUD
- LOCAL ARCHITECTURE FIRMS
- CONTRACTORS
 - SOLIVA ENERGY
 - DANIELSEN CONSTRUCTION
- VENDORS
- LOS RIOS COMMUNITY COLLEGE DISTRICT

STUDENT DESIGNERS

- BRENDA DELGADO, ARCHITECTURE MAJOR
- HAVE BEEN AT CRC FOR TWO YEARS
- TRANSFERING NEXT SEMESTER TO A 4-YEAR COLLEGE
- CAME UP WITH THE TINY HOUSE DESIGN WITH KYLE KOCH, ARCHITECTURE MAJOR



SUSTAINABILITY STRATEGIES



- GREEN HOUSE PORCH USED FOR HEATING IN THE WINTER
 - COOLING PORCH IN THE SUMMER
- ROOF ACCESS
 - GREEN ROOF
 - VEGETABLE GARDEN
 - SOLAR PANELS
 - SMALL WATER TANK
 - SITTING AVAILABLE

TINY HOUSE INTERIOR DESIGN



- LIGHT COLORS
- NATURAL LIGHT
- DESK AREA
- COMFORTABLE LIVING SPACE



KITCHEN DESIGN



- AMPLE STORAGE ROOM
- PLENTY OF CABINET SPACE AND COUNTER
- ENERGY EFFICIENT KITCHEN APPLIANCES

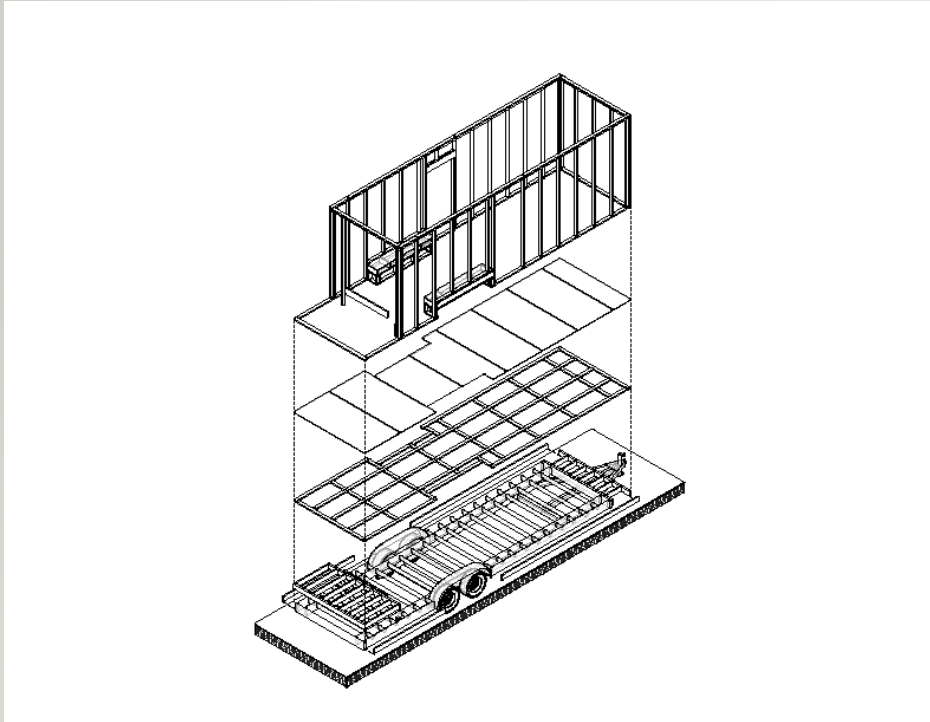
TINY HOUSE SECTION



- WEST FACING WALL
- PLENTY OF STORAGE
- PULLOUT BED UNDER PORCH

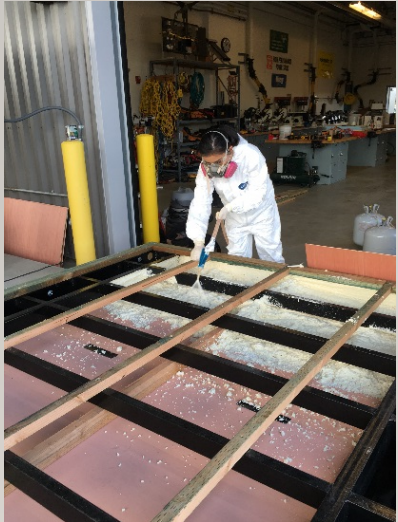


CREATING THE STRUCTURE



- INTEGRATION OF THE ARCHITECTURAL DESIGN AND CONSTRUCTION DOCUMENTATION PROCESS
- NON-LINEAR APPROACH WHERE STUDENTS WORK BACK AND FORTH BETWEEN DESIGN AND COMPUTER INPUT
- CREATING BETTER DOCUMENTS TO COMMUNICATE DESIGN INTENT AND EARLY PROBLEM SOLVING IN CONSTRUCTION PHASE

CONSTRUCTION PROCESS



- USED ADT WORKING DRAWINGS TO BUILD IT
- CLOSE ATTENTION TO ENERGY EFFICIENT BUILDING ASSEMBLIES
- COMBINATION OF COMMERCIAL AND RESIDENTIAL BUILDING STYLES
- DYNAMIC BUILDING EXPERIENCE BEYOND CONVENTIONAL BUILDING METHODS

THE END RESULT

- TACTICAL TINY HOUSE VILLAGE
- LIVING LABORATORY

