

DURAHOME ISSUES VIA 10 CONTESTS

ARCH 4400: SPECIAL TOPICS
CHANTAL MANNING
PROFESSOR KING
FALL 2014

ARCHITECTURE [JURIED]

- Floor Plan
 - ◆ module seams + trucking components
 - ◆ window distribution + energy analysis
 - ◆ passive, resilient + adaptable strategies
 - ◆ dual narrative CA//NY

MARKET APPEAL [JURIED]

- Client, target + Market
- Sustainability features in material, equipment and detailing
- Buildability

ENGINEERING [JURIED]

- Solar Array
 - ◆ wind load movement
 - ◆ aesthetics
 - ◆ roof array
 - ◆ stair core array
 - ◆ PV heat transfer
 - ◆ radiant heat/ cooling
- Grey Water System

COMMUNICATIONS [JURIED]

- An increase on campus wide marketing is necessary Fall 2014

AFFORDABILITY [JURIED]

- Custom VS off the Shelf will determine costs

COMFORT ZONE [MEASURED]

- Monitoring software needs to continue to be developed for temperature and humidity monitoring

APPLIANCES [MEASURED]

- Final appliances have not yet been chosen

HOMELIFE [MEASURED]

- Is the house a Home?
- Hosting a dinner party + movie night

COMMUTING [MEASURED]

- Need to secure a sponsored vehicle

ENERGY BALANCE [MEASURED]

- Energy production = Energy Consumption NET 0