

2011-2012

A Habitat for Humanity Student Design Competition

# THE SUSTAINABLE HOME

Sponsored by: National Endowment for the Art and Vinyl Institute  
Promotions by: American Institute of Architecture Students

## WINNER – SOUTH REGION

Title: *NOTBLOX® Affordable Housing Project: Assembling Sustainable Communities with Insulating Concrete Forms*

Student: Nick Barrett and Samuel Pruitt, Clemson University

Faculty Sponsor: Ulrike Heine, Clemson University

**NOTBLOX® AFFORDABLE HOUSING PROJECT**  
INSULATING CONCRETE FORMS

**CLIMATE ANALYSIS**

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MEAN ANNUAL TEMPERATURE	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	35.0	34.5	34.0	33.5
MEAN WINTER TEMPERATURE	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	35.0	34.5	34.0	33.5
MEAN SUMMER TEMPERATURE	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	35.0	34.5	34.0	33.5
MEAN WINTER RAINFALL	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
MEAN SUMMER RAINFALL	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
ANNUAL PRECIPITATION	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0

**ENERGY EFFICIENCY: 30%**

**1,070 sf**