85 Housing

Twin Peaks: Forging New Collaborations in the Design of Affordable Housing

JULIE LARSEN
Syracuse University

ROGER HUBELISyracuse University

Forging new territory and new collaborations is a constant negotiation in the world of affordable housing. For the City of Syracuse Habitat for Humanity chapter, the common outcome is to take what is donated which can easily lead to sub-par standards of construction. But two years ago, Habitat approached Assistant Professors at Syracuse University to design a single family house with better quality, durable materials and more sustainable construction methods. New collaborations within the community established two Habitat houses as a catalyst for a "Living Classroom," that brings together architects, engineers, local trades, and volunteers to redefine methods of construction and collaboration for affordable single family housing. We collaborated with the local MCAA chapter (Mason Contractors Association of America), to find new design potential using CMU as the structural material in the two residential homes.

The conceptual goals of the project were based on having to design the house with a combination of CMU and typical stick frame details. The merging of two materials not commonly intertwined in residential construction became a benefit to the design by introducing strategies that negotiate the materials in productive ways. For example, there is 'fat' trim negotiating the residential wood windows and the CMU for ease of replacement window installation. Also, Dryvit is applied in colored checkered patterns on the facade to hide future patch work (if it becomes discolored or damaged). Lastly, jigs are used to cut intricate patterns in the hardie board siding to bring a unique quality to a 'banal' storage space in the front facade. The paint is applied to create an ombre affect to make the front entry appear taller and bring more prominence to the street facade.

The Ethical Imperative 86































