## THE CHAPEL HILL NEWS ESTATE

May 14-20, 2004



The Dwell house being built in Pittsboro represents the winning design for using modular components to produce a 2,000-square-foot house.

## Builders work to make modular homes an easy sell in the South.

BY NANCY E. OATES

C teve Olson pays little heed to stigma, a philos Sophy in keeping with a man driving around with three toilets in the back of his pickup. A contractor in Carrboro — Olson and his wife, researching modular homes for the past couple of years as an affordable alternative in Chanel Hill's notoriously pricey housing market. But modular homes have been a tough sell in the South, where people hear "modular" and think "doublewide."

A contest held last year by a national magazine may erode the stigma. Dwell magazine challenged 16 architectural firms to come up with a design using modular components to produce a 2.000square-foot house that could be mass-produced for \$200,000. The winning design, selected in April 2008, is being built outside Pittsboro this month. An architectural firm in New York, Resolution: 4 Architecture, produced the design. Carolina Building Solutions, in Salisbury, manufactured the modular components. Olson is the general

contractor puttling the house together on-site.
"It's going to be a beautiful home once it's done." Olson said. So beautiful that he hopes it will convince people to give modular housing

serious consideration.
"There's an education process you have to go "There's an education process you have to go through with customers who aren't used to mod"ular housing, because a lot of them think of it as a doublewide mobile home," Olson said. "Actual by, it's just a stick-built house built in a factory."

About 12 percent of the building permits issued

for single-family houses in the United States are for modular homes, according to Mike Zangardi, general manager of Carolina Building Solutions.



Nathan Wieler wanted something unusual in a home.

That percentage is up in the teens in New England, where a short building season and high labor costs boost the price of site-built houses. In the South, where construction can continue almost year-round and labor is relatively cheap, about 4 percent of homes are modular.

But as North Carolina has become a highgrowth state, the construction labor pool has tightened. Tract builders dominate the low- to

mid-priced housing market, and builders of high-end, custom houses fill in the "scatter lots," individual home sites outside of subdivisions. Interest in modular housing has increased in the below-\$250,000 price range.

"That's a growing market because it's a market

not serviced the way it used to be," Zangardi said.

See DWELLING, Page D8

## Dwelling continued from page D1

Accepting the Dwell project meant pushing the envelope of what his factory produces, Zangardi sald. And that appealed to his, we redesigned all our projects so they are virtually unidentifiable as modular upon completion, "Zangardi said." Dwell said, what else can we do with the building society. The said what the said was not been considered to be considered to the said what the said was not been said to be said t

what else can we do with the building system. That was intriguing to us." Dwell magazine's contest was inspired by a contest in Art and Architecture magazine in 1945 called the Case Studies House Program, which challenged architects to build modern housing that would change the way people built homes. Dwell's editor in chief, Allison Arieff, who had writ-ce bed building and the studies of the studies. ten a book touting prefabricated hous-ing, asked architects to apply that same concept using prefabricated compo-

concept using prefabricated compo-nents.

Around the time Arieff was coming up with the contest, Nathan Wieler and his wife, Ingrid Tung, were becoming discouraged in their search for an affordable house. Wieler, founder of

the now defunct media company Zoom Culture, wanted something unusual. He had read Artel'S book and called her to talk prefait. He and rull garee Artel's Allet and Tung gave Artel's Allet and Superdictions they wanted in a bonne and agreed to buy and build the winning design on fand they owned outside Pittabore, in Agril 2009, Weller and Tung helped select the design submitted by Resolution: 4 Architecture. the now-defunct media company Zoom

design submitted by Besselttien: 4 Architecture.
Joseph Tauney, our of the architecture.
Joseph Tauney, our of the architecture.
Joseph Tauney, our off the more anothing unusual about a company used to working with the small spaces of New York have experience designing within the box and maximizing every inch. Tauney and "Whe her everygate" with the transfer of the property of the party was the side of the party was th calls from young couples and empty-nesters as far away as Groatia who want to build the medular homes. So far the firm has 12 such homes in the

"Ninety-five percent of domestic spaces built in America don't have the involvement of an architect," Tanney said. "We're interested in re-introducing the architect into densestic space in America." Conceptually, Tanney divided the space into modifies of use. The constitution of the control of the control

that, while promoting the empoyer of resign in their products before a persolution of the control of the best in the control of the control daning rows and kitcher; the private size of constitutes a well bank å state stresses.

The best strategies to recordigate to the condition of the constitution and the constitution of th