

CONCRETE HOMES

November 2002

***Count on Concrete* home to be spotlighted at trade shows**

Industry works together on showcase home

The Portland Cement Association (PCA), in conjunction with Dow Chemical Company, is spearheading construction of a concrete home in the parking lot of the Las Vegas Convention Center, Las Vegas, Nevada. The Count on Concrete home will be open for both the 2003 International Builders Show and the 2003 World of Concrete / World of Masonry show. Various types of concrete wall systems will be displayed in the home by representatives of the Concrete Homes Council of the Concrete Foundation Association, Insulating Concrete Form Association, National Concrete Masonry Association, and Precast Concrete Institute.

The exterior walls of the Count on Concrete home will be built with the Dow T-Mass precast building system. The 1,237-square-foot house will utilize the current floor plan of the Las Vegas Habitat for Humanity chapter—a 3-bedroom, 2-bath ranch and a single-car garage.

The precast panels will be constructed off site and transported to the Convention Center four days prior to the Builders Show. At the conclusion of the World of Concrete / World of Masonry, which follows the Builders Show, the home is to be dismantled and relocated on a lot owned by Habitat for Humanity, to ultimately become a new home for a Las Vegas area Habitat family.

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The Count on Concrete home will be open and on display in the parking lot for the 2003 International Builders Show and 2003 World of Concrete / World of Masonry in Las Vegas, Nevada.

Coastal Homes with Staying Power on the Carolina Coast

Topsail Island, a prized vacation and living destination on North Carolina's Treasure Coast, will feature a cluster of innovative homes built to endure the region's hurricane season with unparalleled luxury and comfort.

Security Building Group, LLC (SBG), a collaboration of experienced residential builders and concrete contractors in Raleigh, North Carolina, announced that six upscale town homes were being built entirely of cast-in-place removable form concrete construction technology.

SBG is partnering with the Institute for Business & Home Safety (IBHS) to add even more disaster-resistant materials and techniques to these homes, as part of the award-winning "Fortified...for safer living" program. "We chose to partner with Security Building Group because they are an experienced leader with a great track record of building safe and solid homes for the future," says Chuck Vance, IBHS Fortified Program Manager. IBHS, a national nonprofit disaster safety group headquartered in Tampa, Florida, launched the "Fortified" program in Florida in 2000.

"The number one concern of homebuyers considering a coastal purchase; "Can this house survive most hurricanes and weather events?" says Dave Pfanmiller, partner of Security Building Group in Raleigh. "The best answer available anywhere is: Yes it will. Not only will your house be standing tall season after season, but you will save money along the way. You can't find a more comfortable, secure, money-saving residential investment than one of our cast-in-place concrete homes."

"Fortified" features added protection against wind-borne debris for windows and doors. And through the program's inspection process, the home is certified upon completion as a "Fortified...for safer living" home. The following "Fortified" features are part of the Topsail Island homes:

- Reinforced continuous piles that elevate the home and critical utilities a minimum of two feet above the Base Flood Elevation (BFE), and ground level walls and stairs that can break away from the main structure.



The Topsail Island project will consist of six upscale homes on the Atlantic coastline.



This rendering shows how attractive the Topsail Island homes will be when completed.

- From the peak of the roof to the foot of the reinforced piles, the home is connected to form a continuous load path capable of withstanding 130- mph winds.
- The windows, doors, and other openings are protected by tested products that can withstand the impact of windborne debris without penetration of wind and water.
- An engineered roof truss system with an enhanced minimum 110- mph- wind rated covering and a secondary moisture barrier, plus, twice the required underlayment, and a thicker plywood deck sheathing with a stronger holding nail and nailing pattern.
- Verification by a certified inspector that all required "Fortified" products and materials are installed correctly in accordance with manufacturer's specifications or "Fortified...for safer living" requirements.
- The home and property are also verified to be a low risk hazard for exposure to wildfire.

For more information, about SBG and cast-in-place removable form concrete construction contact Dave Pfanmiller at 919.782.6789, or e-mail him at sbg91118@aol.com.

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The primary purpose of the show home is to educate show attendees, media outlets, and the general public about the benefits of exterior concrete wall construction for residential homebuilding. A secondary purpose is to spotlight PCA's *Team Concrete* initiative. *Team Concrete* encourages the cement and concrete industries to work with their local communities to build energy-efficient, high-quality concrete homes for the affordable housing sector.

This will be the 10th consecutive year that PCA has sponsored a concrete show home at the International Builders Show. The *Count on Concrete* show home will be located in the Silver Lot of the Las Vegas Convention Center, just outside the North Hall. In addition to the *Count on Concrete* home, PCA has again coordinated a Concrete Pavilion at the 2003 International Builders Show and will have booth #1961 within the pavilion. More information about the *Count on Concrete* home and Concrete Pavilion can be found at www.concretehomes.com.

911 Call Center Built with Strength and Stability

The residents of Smith County, Texas, should soon feel safer. Bob Levine, of WRL General Contractors is supplying ICF forms and managing construction for the new 15,000-square-foot 911 Emergency Call Center. This center will support the entire Smith County region, including Tyler, Texas, and will combine emergency response and shelter services with fire and police headquarters. The combination of these services into one center will benefit the community and provide emergency personnel with the best working environment.

WRL saw the opportunity to offer the strength of ICFs during preliminary meetings. The architects on the project, Eubanks & Harris Architects, went to Albuquerque to meet with the manufacturers of the PolySteel Forms and tour their facilities.

The idea for the project began when the sheriffs of both Smith County and Tyler, Texas, saw the need to create one large, consolidated communications center that would serve the entire county. In addition to a call center, the city and county had a need for a storm and terrorist shelter that would function as an emergency operating facility, bringing all public safety functions into one protected location.

Jim Carlisle, Team Leader of Research, visited call centers from Florida to California, and applied the best ideas to the Smith County project. Within the center of the 15,000- square-foot structure, a safe room will serve as the hub in protecting the

We again request your assistance

The PCA Residential department again asks that you take a few minutes to complete and return the enclosed survey. When completed, please fold, tape or staple and mail back the postage paid survey. If you have already completed the survey enclosed in the September issue of *Concrete Homes*, please disregard this request and thank you for your earlier response.

Market research is important in any promotion effort. This survey will give us a better understanding of who builds concrete homes and at what magnitude they are being built. Your information will play an important role in determining future programs and initiatives by this department.

Please return the completed survey by December 31, 2002.

community. The hub will be double hardened, an 11" concrete shell surrounding an additional 11" concrete wall, and contain the electronic system for the call center. It will also be self sustaining and fully stocked with food and water.

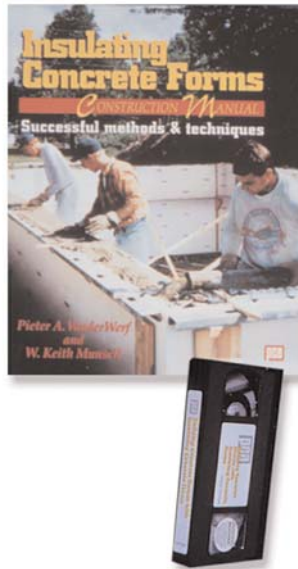
Ground clearing and construction of this massive community project will begin this year, with the building anticipated to be completed by November 2003.

For more information on this project contact American PolySteel at www.polysteel.com.



Tools of our trade

Insulating Concrete Forms Construction Manual is the first fully illustrated field manual for building concrete homes with insulating concrete forms. Step-by-step instructions describe: planning and design; job logistics and site preparation; setting forms and placing concrete; connecting to roof and floors; utility installation; interior build-out; installing fixtures; and finishes. 150 pages. 1996.



Building Concrete Homes with Insulating Concrete Forms special ICF construction video is combined with the Insulating Concrete Forms Construction Manual and only available through this combination offer.

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To place your order, call 800.868.6733 or online at www.concretehomes.com.

Upcoming Events

The 2003 International Builders' Show, presented by the National Association of Home Builders, will be held at the Las Vegas Convention Center in Las Vegas, Nevada, January 21–24, 2003. For information or to register, visit their Web site at www.BuildersShow.com.

The World of Concrete and World of Masonry will be held at the Las Vegas Convention Center in Las Vegas Nevada, February 4–7, 2003, with seminars beginning February 3. For information about the show, visit their Web site at www.WorldofConcrete.com. Registration for the show is also available online at www.cement.org with registration code A32.

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The Portland Cement Association is an organization of cement manufacturers to improve and extend the uses of portland cement and concrete through market development, engineering, research, education, and public affairs work.


CONCRETE
Beautiful Homes. Built to Last.

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