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**NAHB's Concrete Home Building Council Shows What It's Made Of  
During the 2006 World Of Concrete's Mega Demos  
*"At Home With Concrete"***

WASHINGTON, DC - The National Association of Home Builders' Concrete Home Building Council – the voice of America's concrete housing industry will sponsor two days of Hanley Wood's World of Concrete's Mega Demos to be held in Las Vegas, NV January 18 & 19, 2006. During these two days, in the Silver Lot in front of the Central Hall of the Las Vegas Convention Center, attendees will be able to see the latest in concrete housing construction systems.

**"At Home With Concrete" will showcase:**

- **Creative Forming and Finishing of Tilt-Up Walls:** The Tilt-Up Concrete Association is initiating a focus on affordable replacement housing in light of the severe impact hurricanes have had on the U.S. Gulf Coast and other areas throughout the world. The first day will demonstrate how to pour concrete panels and the simplicity of the panel construction process.

On the second day, panels will be erected to create a sample room display with integrated, non-maintenance brick wainscoting, form-liner textures for common siding, as well as a ceiling/roof panel with an integrated tile pattern to emulate common clay tile. The room also will display variety in openings. Daugherty Construction – a prominent Tilt-Up contractor and TCA member in Las Vegas – will be performing the work.

*Companies responsible for making this demo happen are: Tilt-Up Concrete Association, JD Construction, Schwing, Scott Systems, Composite Technologies Corporation, Meadow Burke, Dayton Superior, Nox-Crete Products Group*

- **Practical Precast: For Single & Multi-Family:** Day one, precast panels will be lifted by crane into position and fastened to adjacent panels. Day two, examples of precast electrical conduit, window openings and more will be featured.

Precast panels, often associated with commercial and retail construction, will be shown as a residential application. Precast concrete panels consist of two layers of concrete sandwiching an interior layer of foam insulation. The panels are factory-produced with a high degree of precision and quality control, and can greatly increase the builder's speed of construction. The interior finish of a precast panel is often smooth enough to be painted directly onto, eliminating the need for drywall. For multi-family dwellings, precast technology is very effective at reducing noise transfer between units and for obtaining required fire ratings.

*Companies responsible for making this demo happen are: Dow Chemical Company, Portland Cement Association, and the Precast/Prestressed Concrete Institute*

- **Integra, Post-tensioned Reinforced Masonry System:** Integra is the only post-tensioned reinforced masonry system that is approved for use in all seismic areas and for all types of construction while providing the greatest number of design options that is currently found in single wythe walls. This means the builder can not only specify size, color and texture or finish, but at a price that is competitive with other systems.

The Integra System was designed to meet the many demands in today's construction. It offers design solutions to many construction issues providing benefits that address the concerns and demands of Builders and Owners alike.

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*Companies responsible for making this demo happen are: Arizona Masonry Guild, the National Concrete Masonry Association and Superlite Block, an Oldcastle Company*

- **Insulating Concrete Form Construction:** Attendees will get an up close and personal look at Insulating Concrete Forms (ICFs), one of the fastest-growing methods of home construction in North America. In 2003, 4% of the single-family homes built in the U.S. utilized ICFs for their above-grade exterior walls. An ICF home offers superior energy efficiency, disaster-resistance and a quieter, more comfortable interior environment – all without sacrificing aesthetic beauty.

During the MegaDemos, various aspects of ICF construction will be showcased including stacking of wall forms, pumping into wall forms, and installation of ICF decking and floor systems. Methods of attaching exterior and interior finishes will be shown, and you will see how subcontractors such as electricians, plumbers and drywallers can easily adapt to ICF construction. A wide range of tools used by the ICF industry will be on hand and demonstrated, including bracing systems, window and door bucks, hot knives and more.

*Companies responsible for making this demo happen are: American Polysteel, Eco-Block, Quad-Lock, Reward Wall Systems, Insulating Concrete Forms Association, Portland Cement Association*

- **Removable/Reusable Form Above-Grade Construction:** – Attendees will be able to see the latest in concrete housing construction using removable forms along with other key systems. The Concrete Foundations Association is initiating a focus on housing construction techniques that fit a variety of markets including replacement, affordable, luxury, entry-level and middle income.

In light of the severe impact hurricanes have had on the U.S. Gulf Coast and other areas throughout the world, construction speed will be a focus of the removable form demo as attendees will experience the ability to pump concrete

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from the bottom of the forms. Filling the forms from the bottom reduces finish time and increases placement control while enabling concrete delivery with zero restrictions based on site access.

The first day will demonstrate how the placement occurs at the base of the forms along with placement techniques for various cast-in insulation systems. On the second day, the forms will have been removed exposing the concrete that is now ready for finishing to a level comparable and even interchangeable with drywall and common stucco techniques as well as vertically cast-in brick systems. The display will also show the ability to fully-integrate ceiling and floor decks for added security and performance.

*Companies responsible for making this demo happen are: Concrete Foundations Association / Concrete Homes Council, Schwing, Wall-Ties and Forms, Durand Forms, Composite Technologies Corporation, Dow Chemical, Scott Systems*

- **Post-Tensioned Foundation:** – Post-Tensioned foundation systems have grown in popularity to become one of the most widely-used types of foundations in residential construction. Come see the latest innovations in this industry from new forming materials to the latest in post-tensioning materials, techniques, and equipment.

The first day of demonstrations will include the forming of a typical slab using the latest in aluminum forming systems that accommodate the installation of post-tensioned reinforcing. Trained Ironworkers will demonstrate the installation of the latest post-tensioning materials and components.

Day two, tendons will be stressed using the latest in light weight and efficient stressing equipment. Demonstrations will be conducted to illustrate the superior high strength of the latest post-tensioning materials.

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*Companies responsible include: Evaluation and Certification Services LLC, Suncoast Post-Tension LP, Ironworker Management Progressive Action Cooperative Trust (IMPACT), Precision SureLock Inc., and Western Forms*

This year's World of Concrete stands to be one of the largest. With more than 1.3 million square feet of exhibition space and 1,600 exhibiting companies, the industry's largest trade show offers countless networking and educational opportunities.

Please stop by and visit CHBC's booth, North Hall 341 when you are walking the show floor, and don't forget to catch the Mega Demos, January 18 & 19 at 1 p.m.

*CHBC was formed as a partnership between NAHB and several associations representing all facets of cement-based building materials. As concrete construction moves above-grade, the CHBC will stand at the forefront of the industry as a representative, advocate, and information resource for residential, multifamily, and light commercial construction.*

*Current National Association members of CHBC are: Portland Cement Association, Concrete Foundation Association/Concrete Homes Council, Insulated Concrete Forms Association, Precast Concrete Institute, Autoclaved Aerated Concrete Products Association, National Concrete Masonry Association, Tile Roof Institute, and the Interlocking Concrete Pavement Institute.*

*The National Association of Home Builders is a trade association that helps promotes the policies that make housing a national priority. Since 1942, NAHB has been serving its members, the housing industry, and the public at large.*

*NAHB strives to create an environment in which: 1) All Americans have access to the housing of their choice and the opportunity to realize the American dream of homeownership. 2) Builders have the freedom to operate as entrepreneurs in an open and competitive environment, and 3) Housing and those who provide it is recognized as the strength of the nation.*

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