Six new residence halls at UMASS Dartmouth were a true design build fast track job. The project was awarded to Oldcastle Building Systems in early July 2004, shop drawing submittals started in 2 weeks, with production starting the first week in August. Producing the 420,000 sf of 8" x 48" hollow core plank took 10 weeks; continuous erection started early August and finished early November.

This speed record was accomplished with meticulous overlapping of functions: drafting was one week ahead of approvals, approvals were one week ahead of production, and production was one week ahead of erection—and with minor impact to their other customers.

Job credits go to architect Add Inc., Cambridge, engineer Veitas & Vietas, Braintree, contractor Suffolk Construction, Boston, all Massachusetts, and precaster Oldcastle Precast, South Bethlehem, NY.

Hampton Inn and Suites, Latham, NY

Besides the usual advantages of hollow core plank construction—fast, all weather installation, ceilings ready for paint, immediate work deck for following trades, excellent sound reduction and fire ratings—there are less obvious benefits from including precast stairs and landings at the same time. They offer safe, immediate and permanent access to all levels; it beats climbing ladders!

(continued on next page)
Hampton Inn and Suites (continued)

In the photo on page 1 bottom left, temporary rails obscure the clean and finished look of precast units. In addition to four levels of 8” by 8’ hollow core plank, totaling 48,000 sf, there were 28 pieces of precast stairs and landings. The plank factory finish allows for quick, direct application of carpet with pad.

J.P. Carrara & Sons, Middlebury VT, supplied this work to B.A. Construction Services of Latham, NY. Raulli & Sons, Syracuse, NY was the erector.

Governor Announces $12.7 Million To Improve Water Quality

Last summer, Governor Pataki announced grants for 43 water quality improvement projects to help reduce pollution and runoff entering New York’s lakes, rivers, and streams. In addition to new or upgraded wastewater treatment facilities, money will be available for elimination of raw discharges and failing on-site systems in hardship communities.

The PCANY Septic Tank Group has worked over the past year to complete a Certification Program to insure all its tanks are watertight, and to help further the training and certification of all parties in the on-site wastewater treatment process. Despite the grants mentioned here, government funds to build or expand municipal treatment plants will be in short supply, making more on-site treatment the obvious solution.

One of the ways concrete septic tank producers are insuring the structural integrity and water tightness of their products is through vacuum testing. Applying this simple test equals applying loads to the tank at 300 psf or even significantly higher, and simultaneously proves that there are no leaks. Contact PCANY or your local producer for complete information on the Certification Program. You can help insure that on-site systems work properly.

Visit www.pcany.org for more information on:
- precast concrete products and their application
- precast concrete producers with links to their websites
- precast concrete association of New York, PCANY

If you would like to receive this newsletter via email instead of hard copy in the mail, send your request and email address to pcany@aol.com.

Calendar of Coming Events:

Feb. 11-14 MCPX, Indianapolis
Feb. 12-18 Engineers week, Albany
February 22 PCANY Board, Annual Meeting, and Dinner
February 23 Bridge Design Workshop
Apr 7-9 PCI Committee Days, Chicago
Kistner Concrete Products has expanded their prefabricated wall choices with their new TAK-Com Precast Building System.

The SignWorks Building, for Alix Development LLC, combines a 4' high foundation wall with structural walls of variable height. The total building is 60' by 140', and provides 16' clear inside height in the warehouse, and 10' clear in the office area.

These walls have a rich red brick exterior finish, achieved with detailed formwork and a pigmented exterior finish. This system has many additional advantages. It includes 8 1/2" thick EPS insulation and metal studs to receive gypsum wall board, thus providing a fire-rated interior finished wall.

In addition to the 35 brick faced exterior walls, there are 18 brush finish concrete interior walls serving as space dividers and fire walls. The complete wall frame was installed in five days.

Not really; but it proves that well made concrete products are tough. In this unfortunate plant mishap, where a lifting cable snapped on the truck hoisting apparatus, this septic tank crashed to the ground. No bounce, but no break—the tank showed no cracks and no signs of distress. The cable was repaired, and the tank was fine. [Producers photo credit withheld to protect the innocent].

Preventive Testing?

The Northeast Cement Shippers Association, our Partners in Promotion, is again accepting applications to attend concrete-related workshops for professors teaching undergraduate or beginning graduate courses. NECSA will reimburse for travel, lodging, and meal expenses. In addition, PCANY will reimburse those selected for registration fees to two specific workshops: Design of Concrete Bridges by the AASHTO LRFD Specifications (August 2004), and Faculty Enhancement Workshop (June 2005). You can complete an online application at www.necementshippers.com.
### Pittsford keeps pace thanks to town's choice of precast concrete

In the Rochester Democrat and Chronicle, Dec. 20, 2004, staff writer Dolores Orman wrote a story on the Pittsford Library project (see PCANY Newsletter November 2004), from which we excerpt:

> "Precast concrete units rather than structural steel are shaping much of the new two-story Pittsford Community Library. It allows the building to go together much faster" said Peter Buckley, project director with the Pike Co., construction manager for the library. Pike officials recommended the precast concrete method to town officials. "We felt that it was a good idea to pay more for this structural system to get the building up and enclosed," he said.

The estimated $40,000 additional cost had to be weighed against "the cost of basically trying to put a building up in the middle of winter," Buckley said. Town Officials accepted the recommendation.

However, changing economic times have turned what was projected to be a $40,000 additional expense to an estimated saving of $60,000 in the $9 million project. "What happened was the steel market went out of control" by the time the project went out to bid, Buckley said. The price of structural steel has increased 40 percent since mid-2003. So by using precast concrete, the town actually saved money.

Precast concrete is "becoming more important lessons at the library.

As we said before, you can learn important lessons at the library.