When the City of Claremont, NH began to renovate an older site made up of assorted mill buildings and manufacturing facilities, they realized that significant additional parking would be needed to accommodate the increased tenant and transient traffic. Working with Architects and Engineers Desman Associates, a new four-level parking structure was built to provide 255 parking spaces.

New structure braces “historic wall” remaining of old mill building.

This area on Claremont’s Main Street was made up of historic buildings, so they wanted to save and reutilize as much of the old character as possible. This meant not only being extremely careful with the construction process and the large equipment needed, it also went so far as (contractually required) preserving one single wall of an old building that runs alongside the new garage.

The Sawtooth Parking Garage in Claremont, NH, was built by Beloin Construction, and designed by Desman Associates, Boston, MA, Tom Basile, lead architect. The three supported levels were made using 88 double tees, 13 columns, 2 stair and 1 elevator towers – 262 precast pieces in total.

(See page 4 for many Publications on Parking Structures available from the Prestressed Concrete Institute.)
Hudson Valley Hospital Center Parking Garage Adding 450 Spaces

The Hudson Valley Hospital Center in Cortland, NY was in need of more parking to accommodate its significant growth, thus enabling another Desmond – Dailey parking structure. Approximately 76,000 sf of precast structure (the two supported levels of the three levels of parking) were supplied and installed by Dailey Precast for Barr and Barr Builders Inc., NYC, contractor for all four new buildings.

Architect Tom Basile, Desman Associates, said that he has been using precast for parking structures for over 15 years, because they provide economy, speed of construction, and superior structural systems. His relationship with Dailey Precast also goes back a long way; as Project Manager Robin Outwater says, they particularly value the open communication between the two firms, and the collaborative working relationship during the design/development stage. After that, the casting of the products and site installation proceeds quite smoothly.

Structural Spandrels Made With Special Color to Match Nearby Building.

These tees are 12 feet wide and 2 ft. 10 in. deep, the top flange being 4 in. thick. No structural topping is used; the top of the tees is finished with a light broom texture, comprising the deck traffic surface. A cast in place wash was used to divert water away from adjoining walls. This structure involved 238 precast pieces – 108 double tees, 16 columns, 2 stair towers, spandrels, light walls, and more.

The total structure will take about one month to install, with completion scheduled for the middle of November, according to Vincent DiGiulio of Barr and Barr. Robin Outwater, Dailey Precast, explained that the large cast in place wall on one side of the structure was required by the architect to incorporate some additional adjacent on grade parking.
This new 6-level parking structure, built in Staten Island for the Dormitory Authority of the State of New York, is also being completed this month, per Architect Tom Basile. He said there are numerous reasons they use precast for garages, including meeting a tight budget and schedule, and achieving a nice footprint. He also said the ribbed finish on the stair walls and accent panels turned out quite good.

Clean lines, fire-rated material, open and well-lit spaces for safe driving, parking, and walking, simple (but essential) maintenance – these are some of the inherent advantages of precast concrete parking structures.

Desman Associates served as engineer for the architect of record, Polshek Partnership. Jacobs Facilities Inc. was the Construction Manager, with general construction provided by T. Moriarty and Son. Dailey Precast provided the 665 pieces needed to create 187,406 sq. ft. for 5 precast supported levels. This new six-level structure will provide 660 much needed additional parking spaces. Special thanks go to Bob Wilcox, Dailey Precast, Shaftsbury, VT, for supplying all the photos, facts, and names of involved parties for this issue.

Joint NYSDOT/PCANY Meeting Held October 29 in Albany

Notes from the joint meeting of NYSDOT Structures and Materials and PCANY will be available on the members section of the PCANY website. The website also lists member company contacts, products and producers, all past newsletters, lunch box presentations available on a dozen precast topics, comment section, and easy sign up to receive the monthly newsletter.
Prestressed Concrete Institute

The Prestressed Concrete Institute has many publications available to download, such as “Maintenance Manual for Precast Parking Structures”, “Parking Structures: Recommended Practice for Design and Construction”, “Parking Structures: Snow Removal”, “Joists in Precast Parking Structures”, “Precast Concrete Parking Structures Lighting Study”. Further, the “Designer’s Knowledge Bank” always has interesting, useful articles regarding parking structures. A direct link to their website is http://www pci org/publications/parking/index cfm (or explore their complete website at www pci org/intro cfm)

Precast Concrete Association of New York, Inc.
2829 East Avenue
Rochester, NY 14619
Tel: 585-249-9564 • Fax: 585-381-0945
Email: pcany@aol.com
Web: www.pcany.org

EXECUTIVE DIRECTOR: Carl Buchman, PCANY, 585-249-9564
NECSA Director: Ric Sullivan, Lehigh Northeast Cement Co.
Professional Member Director: Doug Vandeusen, Lamont Engineers
Associate Member Director: Wally Swiger, A-Lok
Secretary: Mike Weigand, J.P.Carrara & Sons
Vice-President: Joseph Amoia, A & R Concrete
President: David Wan, Oldcastle Precast
OFFICERS, DIRECTORS, ASSOCIATE MEMBERS

ASSOCIATE MEMBERS
A-Lok Products, Inc., Tullytown, PA, 800-822-2565
Amcrete Products, Newburgh, NY, 845-562-0010
American Spacecraft Technologies, Inc., Hudson, NY, 800-424-8557
BASF Admixtures, Cleveland, OH, 518-332-1187
Buzzi Unicem USA, Stonekraft, PA, 610-746-6224
Cemex, Inc., Wampum, PA, 724-353-4311
Chase Specialty Coatings, Pittsburgh, PA, 412-828-1500
Concrete Sealants, Inc., Royersford, PA, 610-948-7867
Concrete Solutions Co., Westerlo, NY, 518-699-2600
East Jordan Iron Works, Newark, NJ 973-350-0600
Eastern States Steel Corp., Upper Saddle River, NJ, 800-327-8335
Engineered Wire Products, Wayne, PA, 973-433-9735
Essex Cement Company, Port Newark, NJ, 732-544-5903
Exsor Concrete, Nazareth, PA, 610-746-3109
The Euclid Chemical Co., Saratoga Springs, NY, 518-376-0871
Federal White Cement Inc., Emmaus, PA, 610-966-9481
Forta Corporation, Grove City, PA, 800-245-0090
Grace Construction Products, Wynantskill, NY, 518-361-4355
Helser Enterprises, Tuslawin, OR, 503-692-6909
Holcom (US) Inc., Saratoga Springs, NY, 518-376-0871
Iron Horse Transport Inc, Smithtown, NY, 631-529-0336
Jepco Sales, Royersford, PA, 610-948-7887
JVI, Inc., Pittsford, MA, 413-442-4417
Keystone Cement Company, Elron, PA, 610-837-2100
Lafarge North America, Concord, Ontario, 888-523-2743 x 5034
Lehigh Cement Company, Greens Flats, NY, 518-792-1137 X 303
Meadow Burke, Billerica, MA
Mix Systems, Pewaukee, WI, 800-798-7248
Northeast Silcrete Co., Saugerties, NY, 845-246-2646
NPC, Inc., Millford, NH, 800-626-2180
A L Patterson, Fallsington, PA, 800-332-7090
Polytech, Inc., Zel兴旺, PA, 800-765-9565
Quinn Consulting, Bladensburg, MD
St Mary's Cement Company, Cleveland, OH 216-579-1911
Skak Corporation, Lyndhurst, NJ, 302-218-4978
Spillman Co., Columbus OH, 614-444-2184
Spice Sleeve North America, Irvine, CA, 949-861-8393
Spencerfield Engineering Co., Inc., Syracuse, NY, 315-432-0734
Syracuse Casing Sales Co., Cicero, NY, 315-699-2601
Tul-Tile, Inc., Lake Zurich, IL, 847-552-1011

PROFESSIONAL MEMBERS
Abate Associates Engineers & Surveyors, Buffalo, NY, 716-652-3300
Advance Testing, Campbell Hall, NY, 845-496-1600
Atlantic Testing Laboratories, Cliffon Park, NY, 518-383-9144
Barton & Loguidice, PC, Saratoga Springs, NY, 518-437-5200
A.S. Bell Engineering, PC, Slingerlands, NY, 518-357-0313
A L Blades & Sons, Inc., Hornell, NY, 607-324-3636
CDM, Syracuse, NY, 315-434-3200
Clough Harbour & Assoc., LLP, Albany, NY, 518-453-3961
Collins Engineering Inc., Albany, NY, 518-436-1092
Delta Engineers PC, Binghamton, NY, 607-231-6612
Dewberry, New York, NY 212-685-0900
Didiono Associates PE, PC, Buffalo, NY, 716-656-1900
Earth Tech/AECOM, Latham, NY, 518-951-2200
Edwards & Kelcey Engrs. Inc., Saratoga Springs, NY, 518-584-9733
Emtrain Anthony, Rochester, NY, 585-240-2666
Fisher Associates PE, LS, PC, Rochester, NY, 585-334-1310
FRA/T Y Lin International, Henrietta, NY, 585-359-0280
Greenman-Pedersen, Inc., Buffalo, NY, 716-634-9484
Hall Engr Arch Surveyors PC, Horseheads, NY, 607-358-1000
Keymanekes Associates, LLC, Binghamton, NY, 607-722-1100
LaBella Associates, PC, Rochester, NY, 585-454-6110
LaMone Engineers, PC, Cableskill, NY, 518-234-6028
Maser Consulting, West Nyack, NY, 845-727-1160
McFarland-Johnson, Inc., Latham, NY, 607-723-9421
O'Neill Consulting, Spring Lake, NJ, 732-974-0129
Popll Consulting Engineers, Penfield, NY, 585-388-2060
Ryan-Biggs Assoc., P.C., Troy, NY, 518-272-6260
A H Sample, Inc., Ottsville, PA, 610-847-8945
R Samsel Engineers, Henrietta, NY, 585-334-5549
Shamaker Consulting Engineering & Land Surveying, PC, Binghamton, NY, 607-798-6061
Simpson Gumpertz & Heger, Inc., Waltham, MA, 781-907-9000
SJB Services, Inc., Hamburg, NY, 716-649-8110
Stocum DeAngelis & Associates, PC, Latham, NY, 518-763-0000
Steelhuman CPW, Bath, NY, 607-664-2479
Transtech Systems, Schenectady, NY, 518-272-4067
TVQG Consultants, Elma, NY, 716-655-8842
Watson Engineering, PC, Oswego, NY, 800-223-4900
Watts Architecture & Engineering, PC, Buffalo, NY, 716-206-1500
WSP-Sells, Briarcliff Manor, NY, 914-747-1103
Wilbur Smith Associates, Latham, NY, 518-783-1887

OFFICERS, DIRECTORS AND STAFF
President: David Wan, Oldcastle Precast
Vice-President: Joseph Amoia, A R Concrete
Secretary: Mike Weigand, J P Carrara & Sons
Treasurer: Todd Clarke, Lakelands Concrete Products
Immediate Past President: Tom Montabile, Roman Stone Construction
Associate Member Director: Wally Swiger, A Lok
Professional Member Director: Doug Vandeusen, Lamont Engineers
Simplicity Inc, Buffalo, NY, 716-634-9484
WSP-Sells, Briarcliff Manor, NY, 914-747-1103
Wilbur Smith Associates, Latham, NY, 518-783-1887

PRECAST CONCRETE ASSOCIATION OF NEW YORK
November 2009 MONTHLY NEWSLETTER

Page 4