

Focus of This Issue: Building Systems, Hollow Core

IMPORTANT NOTICE ! !

THIS WILL BE THE FINAL PRINTED PCANY NEWSLETTER FOR DISTRIBUTION TO OUR MAILING LIST OF 3200 NAMES. TO CONTINUE RECEIVING THIS PUBLICATION, SEND US YOUR E-MAIL ADDRESS, EITHER BY GOING ON OUR WEBSITE, www.pcanyc.org, AND CLICKING ON THE NEWSLETTER TAB TO FIND THE E-MAIL ADDRESS

ENTRY FORM, OR E-MAIL US DIRECTLY AT pcany@aol.com. HELP US SAVE TREES, REDUCE WASTE, SAVE MONEY, AND BUILD AN EVEN BETTER PRECAST CONCRETE NEWSLETTER.

If you don't have an e-mail address, or wish to continue receiving a paper copy by mail, please contact us in order to continue receiving this limited service.

GE Healthcare – LEED Gold Certified – Precast/Prestressed Insulated Sandwich Wall Panels

What else could you ask for – economical? fast installation? superb energy efficiency? structural utilization? Sure, we got that. Ten inch thick insulated precast & prestressed concrete sandwich wall panels, typically 37'4" tall and 10'0" wide, utilize carbon fiber truss technology for shear connectors between the inner and outer concrete wythes, to deliver superior non-thermal conducting material, reducing heat loss to provide an R value = 20.

The 181 panels supplied consisted of 2-1/2" exterior wythes and a minimum of 2" interior wythe. EPS insulation thickness varied from 3-1/2" to 5-1/2".

The exterior finish was brown pigmented and lightly sandblasted. Panels are load bearing, supporting the outer bay roof joists near the top of the panel, and in some areas, also supporting a second floor at panel mid-height.

This project will be LEED 'Gold' certified. Precast contributed to points earned in the following LEED sections: Optimize Energy Performance, Construction Indoor Air Quality Plan During Construction, Construction Waste Management, Recycled Content (15% fly ash reduced cement consumption), and Regional Materials (84% of all materials from source to jobsite in less than 500 miles).

Thanks to David Wan, P.E., Oldcastle Precast Building Systems, who wrote "Oldcastle is proud to be part of the team and special thanks to Turner Construction and SMRT Architects and Engineers for leading the effort in achieving such a high level of LEED certification on this project."



Precast insulated panel being lifted for placement.

Photo by Oldcastle Building Systems

Long Time Industry Supplier A.L. Patterson Continues to Expand

A.L. Patterson has moved to an industrial park in Fairless Hills, Pennsylvania, expanding their corporate office and warehouse space by over 200 percent. The new facilities were constructed by PCANY member Oldcastle Inc., a global leader in construction products and materials. Oldcastle constructed 88 precast panels for use on Patterson’s new building, completing the project in just three weeks. Oldcastle’s reliability and

consistent quality allowed for a smooth transition to the next phase of construction, which was a relief to Barry Fleck, A.L. Patterson president and owner, who was concerned about the unpredictability of the season.

A.L. Patterson, a supplier and consultant group for precast concrete accessories and equipment, is known for selling a wide variety of production systems that decrease downtime and remedial costs while increasing efficiency and profits *(and is a long-time Associate Member and supporter of PCANY – editor)*. Photos and article submitted by Rachel Adkinson, A.L. Patterson.



Insulated bearing panel erection



New A.L. Patterson Headquarters and Warehouse

Luxury Oceanfront Condos Built with Girder Slab system

The Girder Slab shallow steel beam system with 8" hollow core plank is a steel and precast hybrid, which uses precast slabs with an integral steel girder to form a monolithic structural slab assembly. The lightweight assembly develops composite action enabling it to support residential live loads, making it attractive for use in mid-to high-rise residential construction.

For the Aqua, in Long Beach, NY, the system easily accommodated the curved plan of the building. The Hollow Core Plank and Girder Slab system was a value engineered proposal, winning over all cast-in-place construction. And in compliance with local codes, the structure was designed for both hurricane wind loads and seismic requirements. Approximately 85,000 sq. ft. of 8" thick by 8' wide Spandeck planks were used, each listed as 2 HR U.L. fire rated. Erection proceeded through the winter months of January, February and March, 2008. The owner – General Contractor Aqua Construction / The Engel Group – has used precast planks on previous projects.



The Aqua

Photo by Oldcastle Precast

Thanks to David Wan, PE, LEED AP, for this article.

Second Total Precast Building For The Same Owner

The 11-story La Guardia Hampton Inn in Queens, NY is the second total precast building for the same owner. The first hotel was completed near the JFK airport in 2002. Erection of precast near the La Guardia airport through the summer of 2008 averaged one floor per week. The General Contractor, Gotham Construction Corp, has long been a proponent of precast, citing less trade coordination, fast construction cycle, concrete quality, fire protection, and low sound transmission as benefits.

Electrical boxes and conduits were cast in the precast walls. Precast shear walls with NMB splice sleeves provide the required lateral load resistance. What else does it take to build this structure? About 112,650 sq. ft. of 8" thick x 8'0" wide Spandeck planks, 283 pieces of 8" thick precast bearing walls, 46 pieces of 10" thick and 12" thick precast shear walls, 10 precast columns 24" x 36", 8 precast inverted tee beams 24" x 19", and 92 various precast stairs and landings. Nothing to it!

Credits – Architect: Ollie Cherniahivsky & Assoc; Structural Engineer: DiSimone; Precast Consultant: IECS; General Contractor: Gotham Construction Corp;



Erection of La Guardia Hampton Inn

Precast Erector: JEM Erectors; Precast: Oldcastle Precast Building Systems, South Bethlehem & Manchester, NY plants. Thanks to David Wan, P.E., LEED AP for this information.



Topping Off Ceremony, Tree, Flags and all.



We Did It!

Photos by Oldcastle Precast

Notes from the January 28 Annual Meeting will be posted on the PCANY website.

Welcome to our newest members:

Alexis Dugon, Sr. Project Manager, Keystone Associates, LLC, Binghamton, NY

Erik Watson, President, Watson Engineering, P.C., Owego, NY

Dave Glattly, Branch Manager, East Jordan Iron Works, Newark, NJ

Precast Concrete Association of New York, Inc.
2829 East Avenue
Rochester, NY 14610
Tel: 585-249-9564 • Fax: 585-381-0945
Email: pcany@aol.com • Web: www.pcany.org

PRSR STD
U.S. POSTAGE
PAID
Permit No. 836
Albany, N.Y.

RETURN SERVICE REQUESTED

PRECAST CONCRETE ASSOCIATION OF NEW YORK

February 2009 MONTHLY NEWSLETTER Page 4

IMPORTANT NOTICE !!

THIS WILL BE THE FINAL PRINTED PCANY NEWSLETTER FOR DISTRIBUTION TO OUR MAILING LIST OF 3200 NAMES. TO CONTINUE RECEIVING THIS PUBLICATION, SEND US YOUR E-MAIL ADDRESS, EITHER BY GOING ON OUR WEBSITE, www.pcany.org, AND CLICKING ON THE NEWSLETTER TAB TO FIND THE E-MAIL ADDRESS ENTRY FORM, OR E-MAIL US DIRECTLY AT pcany@aol.com. HELP US SAVE TREES, REDUCE WASTE, SAVE MONEY, AND BUILD AN EVEN BETTER PRECAST CONCRETE NEWSLETTER.

If you don't have an e-mail address, or wish to continue receiving a paper copy by mail, please contact us in order to continue receiving this limited service.

PRODUCER MEMBERS

A & R Concrete Products, New Windsor, NY, 845-562-0640
Bayshore Concrete Products, Cape Charles, VA, 757-331-2300
Binghamton Precast & Supply, Binghamton, NY, 607-722-0334
J.P. Carrara & Sons, Middlebury, VT, 802-388-6361
Coastal Pipeline Products Corp., Calverton, NY, 631-369-4000
Dailey Precast, Shaftsbury, VT, 802-442-4418
The Fort Miller Co., Inc., Schuylerville, NY, 518-695-5000
Hanson Pipe & Products, Inc., Pottstown, PA, 800-970-2216
Jefferson Concrete Corp., Watertown, NY, 315-788-4171
Kistner Concrete Products, East Pembroke, NY, 585-762-8216
Lakelands Concrete Products, Inc., Lima, NY, 585-624-1990
Newcrete Products, Division of New Enterprise Stone & Lime Co., Collegeville, PA, 484-902-0256
Oldcastle Precast, South Bethlehem, NY, 518-767-2116
Oldcastle Precast Inc., Middle Island, NY, 631-924-7400
Oldcastle Precast Inc., DBA Rotondo Precast, Avon, CT, 860-673-3291
Roman Stone Construction Co., Bay Shore, NY, 631-667-0566
Schuylkill Products, Inc., Cressona, PA, 507-385-2352
Sunnycrest Inc., Auburn, NY, 315-252-7214
L.C. Whitford Materials Co., Inc., Wellsville, NY, 585-593-2741

SEPTIC TANK PRODUCER MEMBERS

Binghamton Precast & Supply, Binghamton, NY, 607-722-0334
Burnett Concrete Products, Inc., Wolcott, NY, 315-594-2242
Concrete Building Supply, Champlain, NY, 518-563-0700
Cresset Chemical Co., Weston, OH, 419-669-2041
R. Deso, Inc., Champlain, NY, 518-298-8411
Eastern Precast Co., Inc., Brookfield, CT, 203-775-0230
The Fort Miller Co., Inc., Schuylerville, NY, 518-695-5000
Grimm Building Materials Co., Troy, NY, 518-272-1100
Guardian Concrete Products, Schenectady, NY, 518-372-0080
Jefferson Concrete Corp., Watertown, NY, 315-788-4171
Keeler Vault Co., Inc., Hudson, NY, 518-851-6281
Kistner Concrete Products, East Pembroke, NY, 585-762-8216
Oneonta Block, Oneonta, NY, 607-432-6641
Sunnycrest Inc., Auburn, NY, 315-252-7214
United Concrete Products, Inc., Yalesville, CT
Woodard's Concrete Products, Inc., Bullville, NY, 845-361-3471
Zeiser Wilbert Vault, Elmira, NY, 607-733-0568

ASSOCIATE MEMBERS

A-Lok Products, Inc., Tullytown, PA, 800-822-2565
Amcrete Products, Newburgh, NY, 845-562-0010
American Spacer Technologies, Inc., Hudson, NY, 800-424-8557
BASF Admixtures, Cleveland, OH, 518-232-1187
Buzzi Unicem USA, Stockertown, PA, 610-746-6224
Cemex, Inc., Wampum, PA, 724-535-4311
Chase Specialty Coatings, Pittsburgh, PA, 412-828-1500
Concrete Sealants, Inc., Royersford, PA, 610-948-7867

Dayton Superior Corp, Canton, CT, 860-693-1738
East Jordan Iron Works, Newark, NJ 973-350-0600
Eastern States Steel Corp., Upper Saddle River, NJ, 800-327-8335
Engineered Wire Products, Waynesville, OH, 937-433-9753
Essex Cement Company, Port Newark, NJ, 973-344-5903
Essroc Cement, Nazareth, PA, 610-746-3109
Federal White Cement Inc., Mancungie, PA, 610-366-9481
Forta Corporation, Grove City, PA, 800-245-0306
Grace Construction Products, Wynantskill, NY, 518-361-4335
Helsler Industries, Tualatin, OR, 503-692-6909
Iron Horse Transport Inc, Smithtown, NY, 646-529-0336
Jepco Sales, Royersford, PA, 610-948-7867
JVI, Inc., Pittsfield, MA, 413-442-4147
Keystone Cement Company, Exton, PA, 610-837-2100
Lafarge North America, Concord, Ontario, 888-523-2743 x 5034
Lehigh Cement Company, Burlington, CT, 800-833-4157
Meadow Burke, Billerica, MA
Mixer Systems, Pewaukee, WI, 860-798-7248
Northeast Solite Corp., Saugerties, NY, 845-246-2646
NPC, Inc., Milford, NH, 800-626-2180
A L Patterson, Fallsington, PA, 800-332-7090
Plant-Tech Concrete Solutions, LLC, Bladensburg, MD
Polylok, Inc/Zabel, Wallingford, CT, 800-765-9565
St. Lawrence Cement Co., Saratoga Springs, NY, 800-462-8800
St. Mary's Cement Company, Cleveland, Ohio, 216-579-1911
Sika Corporation, Lyndhurst, NJ, 302-218-4987
Spillman Co., Columbus OH, 614-444-2184
Splice Sleeve North America, Irvine, CA, 949-861-8393
Stelcrete Indust Limited, Niagara Falls, Ontario, Canada, 905-354-5691
Stephenson Equipment, Inc., Syracuse, NY, 315-432-0779
Superior Precast Consulting, Inc., Ardmore, PA, 610-715-1969
Syracuse Casting Sales Co., Cicero, NY, 315-699-2601
Tuf-Tite, Inc., Lake Zurich, IL, 847-550-1011

SEPTIC TANK ASSOCIATE MEMBERS

The Euclid Chemical Co., Saratoga Springs, NY, 518-376-0871

PROFESSIONAL MEMBERS

Abate Associates Engineers & Surveyors, Buffalo, NY, 716-632-2300
Advance Testing, Campbell Hall, NY, 845-496-1600
Atlantic Testing Laboratories, Clifton Park, NY, 518-383-9144
Barton & Loguidice, PC, Syracuse, NY, 315-457-5200
A.S. Bell Engineering, PC, Slingerlands, NY, 518-357-0313
Bergmann Associates, Inc., Rochester, NY, 585-232-5135
A L Blades & Sons, Inc., Hornell, NY, 607-324-3636
C & S Engineers, Inc., Syracuse, NY, 518-455-2000
CDM, Syracuse, NY, 315-434-3200
Clough Harbour & Assoc. LLP, Albany, NY, 518-453-3961

Collins Engineering Inc., Albany, NY, 518-436-0392
Delta Engineers PC, Binghamton, NY, 607-231-6612
Dewberry, New York, NY, 212-685-0900
Didonato 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
Erdman Anthony, Rochester, NY, 585-240-2666
Finley Engineering Group, Inc., Tallahassee, FL, 850-894-1600
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, 716-633-4844
Hunt Engr Arch Surveyors PC, Horseheads, NY, 607-358-1000
Keystone Associates, LLC, Binghamton, NY, 607-722-1100
LaBella Associates, PC, Rochester, NY, 585-454-6110
Lamont Engineers, PC, Cobleskill, NY, 518-234-4028
LEAP Associates International, PE, Tampa, FL, 813-988-6870
Maser Consulting, West Nyack, NY, 845-727-1160
McFarland-Johnson, Inc., Binghamton, NY, 607-723-9421
O'Neill Consulting, Spring Lake, NJ, 732-974-0129
Popli Consulting Engineers, Penfield, NY, 585-388-2060
QCQA Laboratories, Inc., Schenectady, NY, 518-372-4067
Ryan-Biggs Assoc., P.C., Troy, NY, 518-272-6266
A H Sample, Inc., Ottsville, PA, 610-847-8945
R Samsel Engineers, Henrietta, NY, 585-334-5549
Shumaker Consulting Engineering & Land Surveying, PC, Binghamton, NY, 607-798-8081
Simpson Gumpertz & Heger, Inc., Waltham, MA, 781-907-9000
SJB Services, Inc., Hamburg, NY, 716-649-8110
Slocum, DeAngelus & Associates, PC, Latham, NY, 518-763-6000
Steuben County DPW, Bath, NY, 607-664-2479
TVGA Consultants, Elma, NY, 716-655-8842
Watson Engineering, PC, Owego, NY, 607-223-4900
Watts Architecture & Engineering, PC, Buffalo, NY, 716-836-1540
WSP-Sells, Briarcliff Manor, NY, 914-747-1120
Wilbur Smith Associates, Latham, NY, 518-783-1887

OFFICERS, DIRECTORS AND STAFF
President: Tom Montalbino, Roman Stone
Vice-President: David Wan, Oldcastle Precast
Secretary: Joseph Amoia, A & R Concrete
Treasurer: Mike Weigand, J.P.Carrara & Sons
Assoc Dir: Jim Valent, A L Patterson
Prof Director: Tony Papile, Clough Harbour
Septic Gr Dir: Ed Pennypacker, Jepco Sales
NECSA Dir: Richard Sullivan, Lehigh Cement
Imm. Past Pres.: Scott Harrigan, The Fort Miller Co.
Executive Director: Carl S. Buchman, 585-249-9564