

Focus of This Issue: Building Systems, Hollow Core

Easi-Set 8' x 6' x 8' Storage Building



As a newly-licensed manufacturer of Easi-Set Modular Buildings, Roman Stone Construction company of Bay Shore, NY, was happy last spring to win their first project. The contractor originally wanted a knock down, assembled on site building due to limited access. However, after a pre-site inspection it was determined that they could provide an Easi-Set Building.

They then produced the building at their plant using the designs provided by Easi-Set and loaded it onto their straight rig that has a knuckle boom on the



backend capable of unloading and setting the unit in place. Once in position, they set the building as one complete unit on the gravel bed provided by their customer. The Jerico Water District, project owner, was very happy, as was their customer, project contractor Wire to Water, as Roman Stone celebrated their first completed Easi-Set building sale.

Thanks to Tom Montalbino, Roman Stone, for sending this information. And our congratulations to Roman Stone Construction Company who celebrated their 110th anniversary in business this year!

SDM Billerica Dorm Building

SDM Billerica Dorm is part of the prison expansion project in North Billerica, MA. The dorm building can house 120 juvenile inmates in an open dorm style housing with no cells. The projects' aggressive schedule was achieved by using precast concrete, and was supplied by two precasters, walls by Slaw Precast and the rest by Oldcastle Precast:

- a) June 4 – Project award
- b) July 16 – submit shop drawings
- c) Aug 26 – shop drawings approved
- d) Sept 13 – start fabrication
- e) Nov 15 – start erection
- f) Dec 20 – complete erection

(continued on page 2)

SDM Billerica Dorm Building *(continued from page 1)*



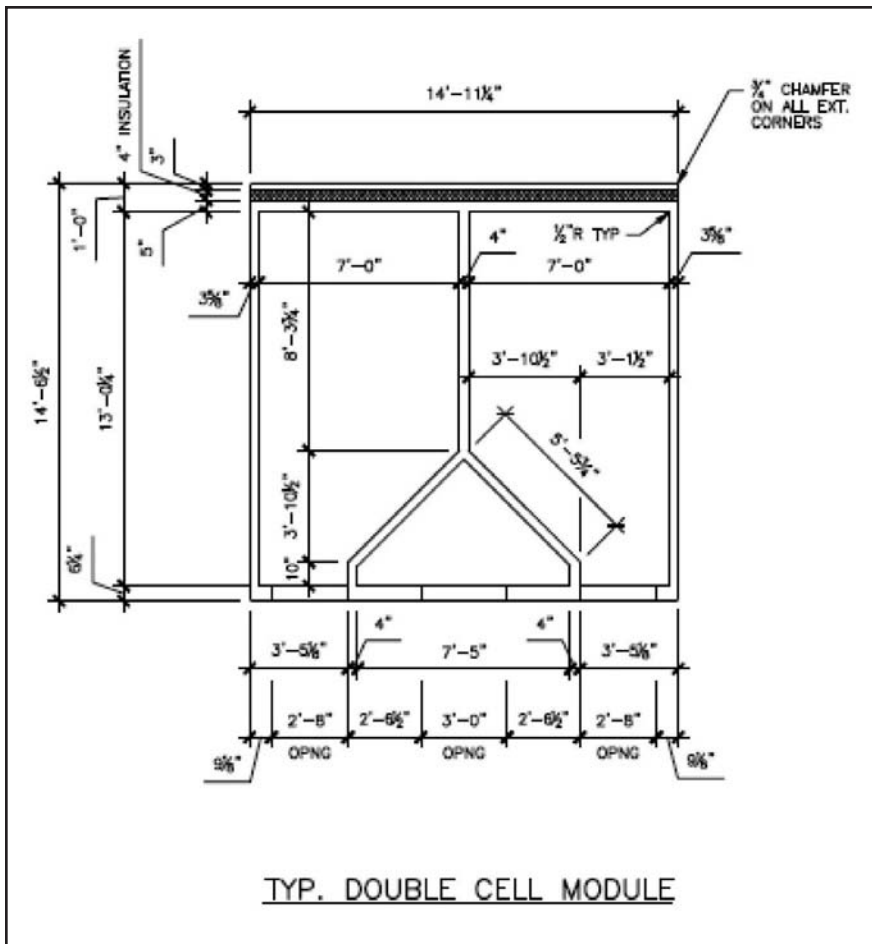
2-story Precast Columns & 24" x 24" Inverted Tee Beams



8" thick x 12' wide x 33'-6" high PC Sandwich Insulated Shear Walls

Precast beam spans of 32'0" and 10" plank spans of 28'-0" provided a wide open layout for the architect with just 2'-0" of structural depth. 12" plank at 27'-0"

span was able to support masonry partition wall loads at the showers which equated to 340 psf of supplemental loading.



There were three precast engineering teams successfully coordinating work with each other: TRC International designed & detailed precast modular prison cells, Don Thomas PC designed & detailed exterior precast insulated wall panels, and Devita Associates & Oldcastle BSD designed & detailed interior columns/beams/walls/hollow core plank.

Precast structural elements included: (a) 288 pcs 10" thk x 4'-0" wide Elematic plank (26,540 sf) (b) 22 pcs 12" thk x 4'-0" wide Elematic plank (2,200 sf) (c) 2 pcs 8" thk "L shaped" solid slab landing (d) 11 pcs 2 story PC Columns (e) 28 pcs 24" x 24" PC Inverted T Beams (f) 9 pcs 8" thk x 12'-0" wide x 33'-6" high PC shear walls (g) 64 precast cell units for the cell wing. Thanks to David Wan, P.E., LEED AP, Chief Engineer, Oldcastle Precast, Selkirk, NY, for this information.

(continued on page 3)

SDM Billerica Dorm Building *(continued from page 2)*



Puratos Expands Their Pennsauken NJ Location



(continued on page 4)

Puratos Expands *(continued from page 1)*

Puratos is a Belgian company specializing in producing bakery, patisserie and chocolate ingredients. They supply these to a range of bakeries from corner stores to chain super markets and restaurants. The US demand for such sweets has fueled an expansion to their Pennsauken location.

The state of the art addition is designed around a precast concrete building system. Precast beams, columns, walls, stairs and hollowcore plank were manufactured and installed by Oldcastle Precast Building systems.

The project team included Grace Construction, Harrison Hamnett Engineers and Ignami Lummis Architects, all based in NJ. 42,500 sf of 8- and 10-inch hollowcore plank served as the flooring system supported by precast columns, beams, walls, stairs and landings totalling more than 700 pieces of precast just completed in the fall of 2013. Thanks to Monica Schultes, Oldcastle Precast Building Systems, for this story.

And welcome and congratulations to Chris Speck, who has taken the reins as the new President/COO of Oldcastle Precast Building Systems, replacing Donna Reuter who retired in the spring.

Precast Concrete Association of New York, Inc.

31 Riverview Avenue
Binghamton, NY 13904
Tel: 607-595-1636
Email: rthornton@stny.rr.com
Web: www.pcany.org

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
Camp Precast Concrete Products, Milton, VT, 802-893-2407
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
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
LHV Precast, Kingston, NY, 845-336-8880
Oldcastle Precast, South Bethlehem, NY, 518-767-2116
Oldcastle Precast Inc., Middle Island, NY, 631-924-7400
Oldcastle Precast Inc., Rehoboth, MA, 508-336-7600
Roman Stone Construction Co., Bay Shore, NY, 631-667-0566
Sunnycrest Inc., Auburn, NY, 315-252-7214
United Concrete Products, Inc., Yalesville, CT
LC Whitford Materials, Co., Inc., Wellsville, NY, 585-593-2741

SEPTIC TANK PRODUCER MEMBERS

Binghamton Precast & Supply, Binghamton, NY, 607-722-0334
The Fort Miller Co., Inc., Schuylerville, NY, 518-695-5000
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
Mid Hudson Concrete Products Inc, Cold Spring, NY 845-265-3265
Sunnycrest Inc., Auburn, NY, 315-252-7214
Zeiser Wilbert Vault, Elmira, NY, 607-733-0568
United Concrete Products, Inc, Yalesville, CT 203-269-3119

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, Halfmoon, NY, 518-669-8755
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

East Jordan Iron Works, Newark, NJ 973-350-0600
Eastern States Steel Corp., Upper Saddle River, NJ, 800-327-8335
Engineered Wire Products, Upper Sandusky, OH, 800-842-8381
Eriksson Technologies, Inc., Tampa, FL, 813-989-3317
Essex Cement Company, Port Newark, NJ, 973-344-5903
Essroc Cement, 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, 800-245-0306
W R Grace, Saratoga Springs, NY 585-662-9552
Haarup North America, Inc., Portland, OR, 503-954-1718
W.P. Hilts & Co, Roanoke, VA 800-227-6798
Holcim (US) Inc., Saratoga Springs, NY, 518-376-0871
Jepco Sales, Royersford, PA, 610-948-7867
JVI, Inc., Lincolnwood, IL, 800-742-8127
Keystone Cement Company, Exton, PA, 610-837-2100
Lafarge North America, Westborough, MA, 508-366-9001
Lehigh Cement Company, Glens Falls, NY, 518-792-1137 x 303
M+P Labs, Schenectady, NY, 518-382-0082
Meadow Burke, Billerica, MA
Mixer Systems, Pewaukee, WI, 860-798-7248
Northeast Solite Corp., Saugerties, NY, 845-246-2646
A L Patterson, Fairless Hills, PA, 800-332-7090
Peikko USA, Sharon Hill, PA, 484-866-5707
Polylok, Inc./Zabel, Wallingford, CT, 800-765-9565
Quinn Consulting, Bladensburg, MD
Riefler Construction Products, Blasdell, NY, 716-332-6283
St. Mary's Cement Company, Cleveland, OH, 216-579-1911
Sika Corporation, Lyndhurst, NJ, 302-218-4987
Spillman Co., Columbus OH, 614-444-2184
Splice Sleeve North America, Livonia, MI, 734-838-0420
Superior Precast Consulting, Inc., Ardmore, PA, 610-715-1969
Syracuse Casting Sales Co., Cicero, NY, 315-699-2601
Trelleborg Pipe Seals Milford, Inc., Milford, NH, 800-626-2180
Tuf-Tite, Inc., Lake Zurich, IL, 847-550-1011

PROFESSIONAL MEMBERS

Advance Testing, Campbell Hall, NY, 845-496-1600
AECOM, Latham, NY, 518-951-2200
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
Bernier, Carr & Associates, Watertown, NY, 315-782-8130
A L Blades & Sons, Inc., Hornell, NY, 607-324-3636
C & S Engineers, Inc., Syracuse, NY, 518-455-2000
CDM Smith, Syracuse, NY, 315-434-3229
Clark Patterson Lee, Rochester, NY, 585-454-7600
Clough Harbour & Assoc. LLP, Albany, NY, 518-453-3961
Collins Engineering Inc., Albany, NY, 518-436-0392

Concrete Engineering Solutions, LLC, 101 Pine View Estates, Mountain Top, PA 1870, 570-868-2081
Delta Engineers, Architects and Land Surveyors, P.C., Endwell, NY, 607-231-6600
Dewberry, New York, NY, 212-685-0900
Didonato Associates PE, PC, Buffalo, NY, 716-656-1900
Edwards & Kelcey Engrs. Inc., Saratoga Springs, NY, 518-584-9733
ELE International, Inc., Loveland, CO 80539, 800-323-1242
Erdman Anthony, Rochester, NY, 585-427-8888 x 419
Eriksson Technologies, Inc., Tampa, FL, 813-989-3317
Fisher Associates PE, LS, PC, Rochester, NY, 585-334-1310
Greenman-Pedersen, Inc., Buffalo, NY, 716-633-4844
Hunt Engr Arch Surveyors PC, Horseheads, NY, 607-358-1000
D.R. Johnson & Associates, LLC, Dover, NJ, 973-328-2354
Keystone Associates, LLC, Binghamton, NY, 607-722-1100
LaBella Associates, PC, Rochester, NY, 585-454-6110
Lamont Engineers, PC, Cobleskill, NY, 518-234-4028
Lancaster Development, Richmondville, NY
M + W Group, Arthur Palmer, Waterford, NY, 518-235-3647
Maser Consulting, Chestnut Ridge, NY, 845-352-0411
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
Ravi Engineering & Surveying, P.C., Rochester, NY 585-223-3660
Ryan-Biggs Assoc., P.C., Troy, NY, 518-272-6266
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
Transtech Systems, Schenectady, NY, 518-372-4067
VHB, 100 Great Oaks Blvd., Suite 109, Albany, NY 12203, 518-452-0300
Watson Engineering, PC, Owego, NY, 607-223-4900
Watts Architecture & Engineering, PC, Buffalo, NY, 716-206-1500
WSP-Sells, Briarcliff Manor, NY, 914-747-1120

OFFICERS, DIRECTORS AND STAFF

President: Todd Clarke, Lakelands Concrete Products Inc.
Vice President: Bob Willis, LHV Precast Inc.
Secretary: Kevin Balachick, Binghamton Precast & Supply
Treasurer: Kevin Balachick, Binghamton Precast & Supply
Immediate Past President: Mike Weigand, J.P. Carrara & Sons, Inc.
Associate Member Director: Bruce Houser, Polylok, Inc./Zabel
Professional Member Director: Doug VanDeusen, Lamont Engineers, P.C.
Septic Tank Group Director: Ken Kistner, Kistner Concrete Products, Inc.
NECSA Director: Richard Sullivan, Lehigh Cement
Executive Director: Ronald Thornton, PE, 607-595-1636