

CONSTRUCTION PROJECTS

(Ranked by project value)

1 GlobalFoundries Fab 8.1

Luther Forest Technology Campus, Malta
Four buildings including the wafer fabrication facility, Central Utility building, Spine or Fab technical support building, and the administration building

Contractor: M+W U.S., Inc. - A Company of the M+W Group

Project value: \$880,000,000

Permit issued: August 2009

Completion date: March 2012

Project manager: Werner Greyling

2 Albany Medical Center patient tower foundation

43 New Scotland Ave., Albany

Foundation concrete on seven-story building

Contractor: The Pike Co. Inc.

Project value: \$180,000,000

Permit issued: October 2010

Completion date: Fall 2011 (Pike's portion)

Project manager: N.A.

3 Troy City Schools

1976 Burdett Ave., Troy

Correct structural and safety problems at the 192,000-square-foot middle school, modernize athletic fields and provide repairs to Troy High School

Contractor: U.W. Marx Construction Co.

Project value: \$56,400,000

Permit issued: N.A. (NYSE project)

Completion date: December 2013

Project manager: Eric Masterson

4 Hudson Valley Community College Science Center

80 Vandenberg Ave., Troy

110,000 square feet of new construction and 60,000 square feet of renovations to surrounding structures

Contractor: U.W. Marx Construction Co.

Project value: \$54,000,000



DONNA ABBOTT VLAKOS | THE BUSINESS REVIEW

The GlobalFoundries chip plant in southern Saratoga County again ranks No. 1 on the list. With chip-making tools, the total project will cost \$4.6 billion.

Permit issued: February 2011

Completion date: August 2013

Project manager: Wayne Williams

5 Glendale Nursing Home

Hetcheltown Road, Schenectady

200-bed skilled nursing facility

Contractor: BBL Construction Services LLC

Project value: \$35,000,000

Permit issued: 2010

Completion date: April 2013

Project manager: Dave Wall

6 GlobalFoundries Administration Building

Luther Forest Technology Campus, Malta

200,000-square-foot, three-story class A office building

Contractor: Jersen Construction Group

Project value: \$30,000,000

Permit issued: March 2010

Completion date: June 2011

Project manager: David A. Mineau

7 City of Schenectady Bureau of Services

1732 Foster Ave., Schenectady

137,000-square feet, eight buildings, four-phase LEED project over two city blocks; houses Department of Public Works; 8,700-square foot salt shed, maintenance building, heated vehicle storage, mitigation of 10,000 tons of contaminated soil

Contractor: TW&A Construction Management

Project value: \$27,000,000

Permit issued: May 2009

Completion date: January 2011

Project manager: Tom Wilson

8 Harmony Mills Fallsview

100 N. Mohawk St., Cohoes

Mill rehabilitation into residential loft apartments

Contractor: Harmony Mills Fallsview LLC

Project value: \$24,000,000

Permit issued: December 2009

Completion date: April 2011

Project manager: Dennis Hogan

9 Albany Medical Center Cogeneration Project

New Scotland Avenue, Albany

4.6 mega-watt combined heat and power plant; cogen power technologies

Contractor: Bette & Cring Construction Group

Project value: \$21,822,057

Permit issued: October 2010

Completion date: November 2012

Project manager: John Moynihan

10 Lansingburgh Central School District Capital Improvement Project

Troy

Health and safety improvements and renovations, ADA upgrades and restroom renovations; mechanical system, controls and heating system renovations and replacement of movable gymnasium partitions, electrical system upgrades, science lab renovations, white boards with integral projectors in each classroom, wireless access and data power upgrades; athletic field upgrades, artificial turf installation, field lighting, bleacher seating, tennis court renovations, emergency vehicle access, athletic field drainage

Contractor: The Pike Co. Inc.

Project value: \$18,500,000

Permit issued: N.A.

Completion date: December 2013

Project manager: N.A.

11 Glenmont Job Corps Center

822 River Road, Glenmont

New dormitories, gymnasium addition and



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CONSTRUCTION PROJECTS

(Ranked by project value)



ANOTHER Harmony Mills project ranks in the Top 10. The rehab turned old mill space into more lofts.

renovation, site electrical upgrade, two dormitory demolitions

Contractor: BCI Construction Inc.
Project value: \$17,000,000
Completion date: Fall 2012
Project manager: William Tatko

12 50 New Scotland Ave. office building

50 New Scotland Ave., Albany
Nine-story office building
Contractor: BBL Construction Services LLC
Project value: \$15,000,000
Permit issued: June 2010

Completion date: July 2011
Project manager: John Kellogg

13 The College of Saint Rose student housing

930 Madison Ave., Albany
New housing with 220 beds in apartment-style units with living rooms and kitchens; units have four single-occupancy bedrooms and two full baths; space for community lounges; retail/dining operation and office space for staff
Contractor: Sano-Rubin Construction Co. Inc.
Project value: \$14,500,000
Permit issued: May 2011
Completion date: June 2012
Project manager: Scott Hawkins

14 Food and Weights Laboratory

Harriman Campus, Albany
New NYS Office of General Services food laboratory
Contractor: Bette & Cring Construction Group
Project value: \$13,800,700
Permit issued: October 2010
Completion date: November 2012
Project manager: Matt Derby

15 Centennial Hall phase III

17 Lodge St., Albany
Contractor: Bunkoff General Contractors Inc.
Project value: \$13,000,000
Permit issued: October 2009
Completion date: May 2011
Project manager: Ronald Greene

16 Regeneron Pharmaceuticals

Columbia Turnpike, Rensselaer
Renovations, mechanical and electrical upgrades, new cooling tower
Contractor: BBL Construction Services LLC
Project value: \$12,000,000

Permit issued: 2010
Completion date: July 2011
Project manager: Dave Wall

17 Van Rensselaer Village redevelopment

Early Drive & 16th Street, Watervliet
Rehabilitation of 12 garden apartment buildings for low- to moderate-income families to put buildings in good repair and increase cost-effectiveness
Contractor: Omni Development Co. Inc.
Project value: \$11,786,000
Permit issued: November 2009
Completion date: September 2011
Project manager: Duncan Barrett

18 City Station Apartments

1521 6th Ave., Troy
184-bed student housing with first floor commercial retail
Contractor: BBL Construction Services LLC
Project value: \$10,000,000
Permit issued: March 2011
Completion date: April 2012
Project manager: John Kellogg

19 Brighter Choice Middle School for Boys & Girls

395 Elk St., Albany
New three-story, 54,000-square-foot middle school with separate boys' and girls' wings with reception areas, classrooms, computer rooms, labs, lecture rooms and offices; center common space with gymnasium, cafeteria, music room and library; semi-circular outdoor classroom, glass floor; landscaped for green space, pergola, stamped concrete patio and sun dial
Contractor: Sano-Rubin Construction Co. Inc.
Project value: \$9,158,000
Permit issued: October 2010
Completion date: August 2011

Project manager: Jim Dean

20 Hudson wastewater treatment plant

6 Dock St., Hudson
New headworks building, chlorine tank, septage receiving station, mechanical and architectural upgrades
Contractor: BCI Construction Inc.
Project value: \$9,000,000
Completion date: Summer 2011
Project manager: Steve Fillipone

21 258 Hoosick St. medical office building

258 Hoosick St., Troy
Construction of 60,000-square-foot medical office building
Contractor: BBL Construction Services LLC
Project value: \$9,000,000
Permit issued: March 2011
Completion date: January 2012
Project manager: Jim Church

22 Cohoes Falls Apartments renovation

Cohoes
66 units of affordable housing in seven buildings; LEED-certified community room and site office
Contractor: Sano-Rubin Construction Co. Inc.
Project value: \$7,900,000
Permit issued: May 2011
Completion date: April 2012
Project manager: Joe Logan

23 UAlbany service buildings

1400 Washington Ave., Albany
16,000-square-foot renovation and new 1,500-

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Case study: On the job site

3-D modeling tool at work on Albany Med site

BY MICHAEL DeMASI
THE BUSINESS REVIEW

To say that building a \$360 million addition to Albany Medical Center is complicated is an understatement.

A new, six-story wing being constructed must align perfectly with the hospital's existing D Building, also known as the patient tower.

That is why 3-D design software known as BIM (Building Information Modeling) is so critical.

"We're on a very tight schedule, so we have no room for error," said John LaRow, vice president and district manager at Gilbane Building Co., the construction manager for the hospital expansion.

Hospital officials want a seamless transition between the D Building and the new wing. That means no ramps to walk from the existing building to the new one. That means old and new have to line up to the inch.

Complicating the job: the 2nd, 3rd and 4th floors in the D Building are 11 feet high, but modern hospitals have 14 to 15 feet between each floor and ceiling.

So there is 3 to 4 feet less space on those floors in which to cram all of the electrical, mechanical and fire protection systems.

"We have to put more things into smaller space," LaRow said. "The older buildings were designed to meet different air requirements. Under the new standards they need to move more air, so you need bigger duct work."



DONNA ABBOTT VLAHOS | THE BUSINESS REVIEW

Albany Med's \$360 million expansion will seamlessly connect to the existing hospital.

Being able to map out the building addition, and sort out the potential problems, in 3-D is more efficient and precise than doing it on paper.

"In theory, before there was BIM you would still coordinate the work before fabrication, but BIM gives you a much higher level of accuracy," LaRow said.

Gilbane is leaving nothing to chance on the huge project. A trailer will be set up on site to serve as the BIM "war room,"

the place where a dozen contractors will meet regularly to plan and troubleshoot the construction in real time.

"We want all the people representing the trades working, talking and collaborating to be successful," he said.

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THE LIST: Construction projects

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square-foot addition to service building A, renovation of annex, 2,000-square-foot warehouse addition to grounds building and 20,000-square-foot maintenance repair building; create separate office and maintenance space; intended to achieve LEED gold certification

Contractor: Sano-Rubin Construction Co. Inc.

Project value: \$7,735,000

Permit issued: N.A.

Completion date: October 2012

Project manager: Jonathon Lochner

24 South End Revitalization phase II

Morton Avenue, Albany

New construction and rehabilitation of 43-unit apartment and single-family home project for low-income families for long-term marketability, habitability and energy efficiency

Contractor: Omni Development Co. Inc.

Project value: \$7,040,217

Permit issued: May 2011

Completion date: April 2012

Project manager: Kevin Grinwis

25 Fillpoint

22 Tech Trail, Malta

90,000-square-foot office/warehouse

Contractor: Jersen Construction Group

Project value: \$7,000,000

Permit issued: N.A.

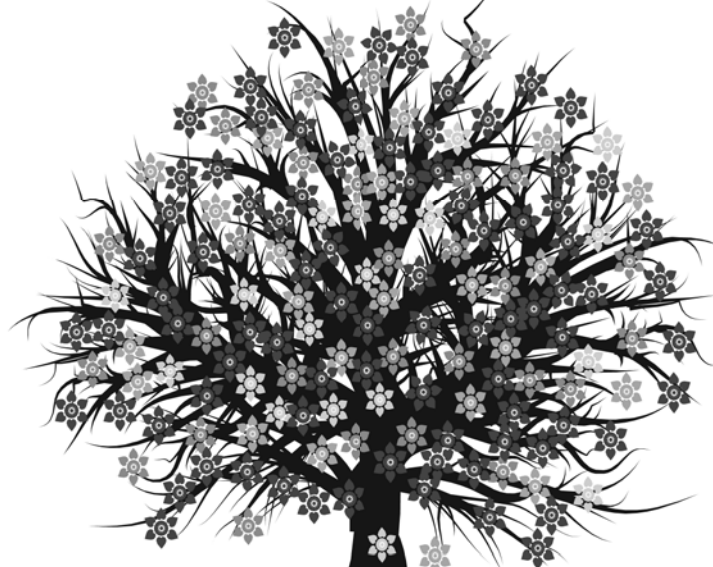
Completion date: October 2011

Project manager: N.A.

Notes: Ranked by total project value. Information was provided by the individual contractors. Among the submissions, only those projects with scheduled completion dates in 2011 or later were used. The area surveyed includes Albany, Columbia, Fulton, Greene, Montgomery, Rensselaer, Saratoga, Schoenectady, Schoharie, Warren and Washington counties.

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