

The 2016 Pinnacle Awards

Award of Excellence: Renovation/Restoration

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“The Rotunda Renovation” replaced the 16 marble capitals of the University of Virginia’s Academic Village Rotunda, a UNESCO World Heritage Site designed by Thomas Jefferson, the Third President of the United States.

An 1895 fire destroyed the original capitals carved by the Ricci family of Carrara, which were then replaced with columns from an alternate source.

In 2013, with the replacement columns crumbling, the University contracted with Rugo Stone, LLC to restore the capitals.

Lacking a complete capital, detailed photographs, or original drawings, Rugo Stone and its stone carver, Mario Pedrini of Carrara, used a 3-D scanning technique to recreate the original capital design.



MIA+BSI Member Company

Rugo Stone, LLC
Lorton, Virginia
Stone Supplier and Installer

Other Project Team Members

University of Virginia
Client

John G. Waite Associates, Architects PLLC
Architect

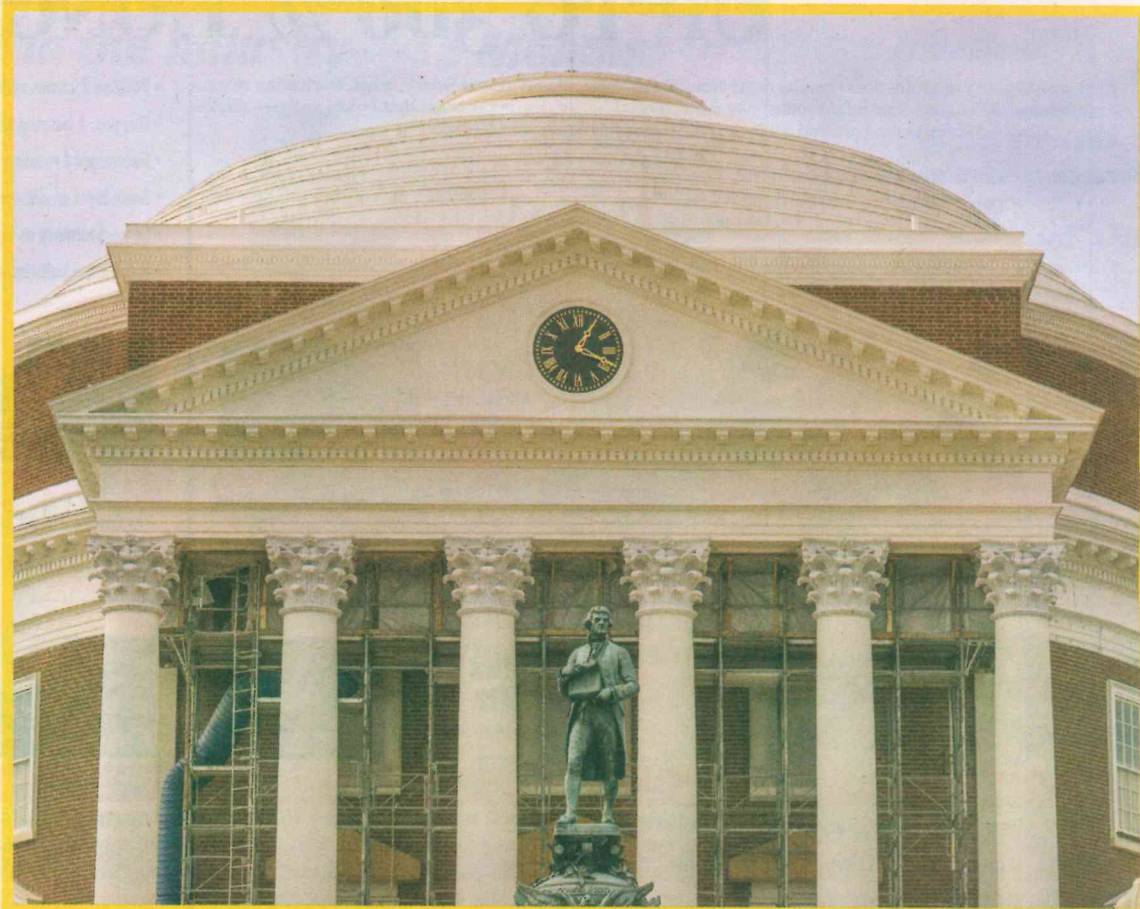
The Whiting Turner Contracting Company
General Contractor

Mario Pedrini Srl
Stone Fabricator

Stone Carrara C Marble

“Meticulous craftsmanship and a great example of what’s possible in the restoration world.”

“The implementation was enormous and required great technological and artistic collaboration. The result is an incredibly effective restoration of important national architectural stone heritage.”



**The UVA Rotunda Renovation
Charlottesville, Virginia**

foot high scaffolding and further moving and installing through a system of rails feeding each column. The entire procedure was completed with four to five workers, over the course of a few weeks, and without any incident.

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structures, Rugo Stone designed an innovative lateral conveyance system that allowed for lifting and lowering those heavy and fragile capitals onto a 30-45



Having only the remaining fragments of single lower capital base, a full 1/4 section capital model was created.

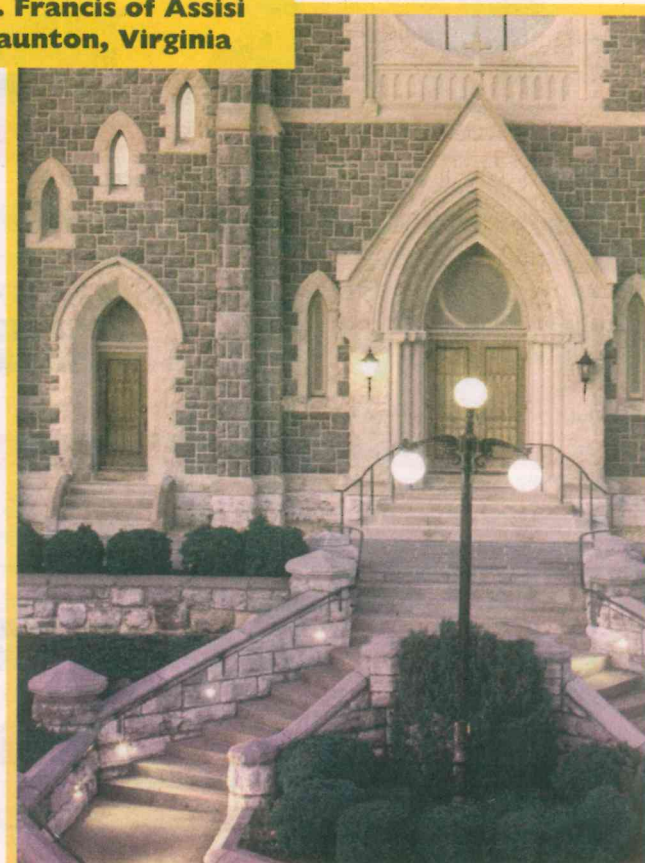
First starting with a drawing, then a clay model of the upper

part of the capital placed on top of the lower part reconstructed in marble. The model was then scanned again, and a digital design of the whole capital was created and passed to fabrication.

Within 10 months, 6-axis robotic machines shaped 80 percent of each capital, which were then completed by skilled carvers.

To preserve the Rotunda’s integrity and proximal historical

**St. Francis of Assisi
Staunton, Virginia**



The 2016 Pinnacle Awards

Award of Merit: Renovation/Restoration

**St. Francis of Assisi
Staunton, Virginia**



**MIA+BSI
Member Company**

Coldspring
Cold Spring, Minnesota
Stone Fabricator and Supplier

**Other Project
Team Members**

**St. Francis
of Assisi Church**
Client

Frazier Associates
Architect

WDPA & Associates
Architect

**Lance Construction
Company**
General Contractor

Rugo Stone, LLC
(MIA+BSI Member
Company)
Stone Installer

**Stone
Mountain Green®
Granite**

"Remarkably thorough analysis,
exquisite results."

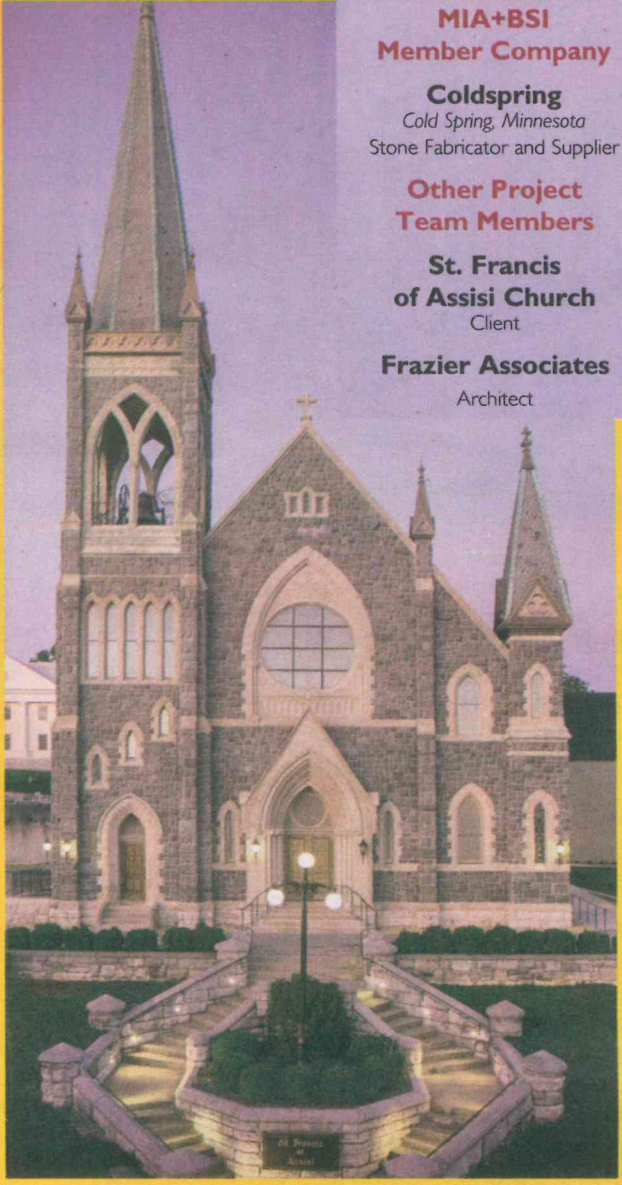
"Incredible attention to preserving
the historical image and
personality of this church."

More than 100 years after original construction, the existing serpentine had deteriorated to such an extent that safety had become an issue. The church initiated fundraising efforts and began making plans for upcoming renovations.

After an extensive search for a close match to the existing serpentine, the church found Mountain Green® granite to be an ideal material. The church's exterior renovation began in the spring of 2015. Originally built by hand, many of the serpentine pieces were very irregular in size. Matching the existing pattern presented a true challenge.

To match the serpentine pattern of the 120-year-old stones, the granite fabricator used 3D scanning technology. A complete scan of the church produced a 3D model, which was then converted into 2D documents. Next, the granite fabricator used the 2D drawings to create a 3D Revit model to ensure the new façade would replicate the existing with complete accuracy. In total, 6,706 4-inch cubic granite pieces in Mountain Green with a split finish were produced and installed. The church restoration was completed in May of 2016.

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Renovation projects where existing materials and designs must be matched can bring a host of challenges. The St. Francis of Assisi Catholic Church renovation in Staunton, Virginia proved no exception.

The church needed to replace the existing serpentine material that was failing, while keeping the existing limestone material in place. Ultimately, granite fabricated with exact precision provided the ideal solution to preserve St. Francis of Assisi's legacy.



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Announcing the Stone Pro SR2 Vacuum Support Rail System

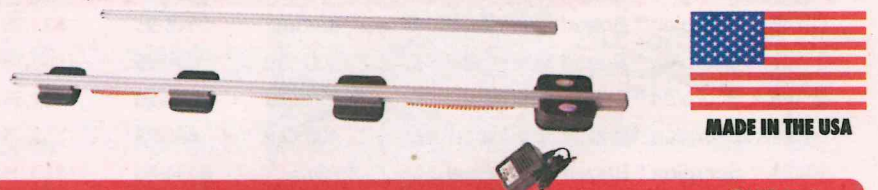
Have you ever done the fabricator's "twist and shout?"

Imagine you're carrying a sink section of countertop and suddenly you *twist* the slab a little too much, hear a crack and *shout* in frustration. That's what the twist and shout is all about.

Fortunately, it doesn't have to be this way thanks to this brand new system.

It is simply awesome! It adds rigidity to sink cutouts so you can avoid the dreaded "twist and shout."

No one in the stone industry has anything like this that can vacuum to stone that has a textured surface. It also works great on polished stone surfaces as well.



Item #	Description	OUR Price
2743	Stone Pro SR2 Combo Pack Vacuum Support Rails With Rechargeable Cups, Includes: (1) 3-1/2 Ft Rail, (1) 7 Ft Rail, (1) Charger (4) Suction Cups, including one rechargeable master cup	\$597.95



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