



PETERSEN CURVED METAL PANELS SELECTED FOR ROOF OF STRIKING NEW SCOTTISH RITE CATHEDRAL

For 100 years, the Scottish Rite Cathedral in Chicago had been located at the corner of Dearborn and Walton Streets, directly across from Washington Square Park. After a study of its membership, the fraternal organization associated with the Freemasons concluded that a majority of its members had migrated from the north shore to the western suburbs.

After a year-long search for a new location, the organization settled on a 16-acre site in the west suburb of Bloomingdale. The striking new two-story, 61,000 sq. ft. headquarters facility features a 270-seat auditorium, dining hall for 290 people, full service kitchen, museum, library, administrative offices and a traditional Masonic Lodge Hall.

Design for the project was provided by tvsdesign, Chicago. "The design for the new headquarters reflects the principles, history and symbolism of the organization," according to Marc Adelman, tvsdesign principal. "The design elements weave together the story of Freemasonry and the Scottish Rite and interpret the history from its origins to its continued journey into the next millennium."

Both the interior and exterior feature traditional Masonic forms that incorporate traditional masonry materials like stone and brick as well as modern construction systems like precast concrete and metal roofing.

"The shape of the metal roof with its Gothic arch is symbolic of some of the traditional Masonic beliefs," Adelman said. "And yet metal is clearly a modern material. We sought to bridge the traditional with a contemporary and timeless experience. The use of the Petersen material helped achieve our goals. The metal adapted itself very nicely to the Gothic arch shape."

Approximately 13,200 sq. ft. of Petersen's Tite-Loc standing seam architectural metal panels were utilized to create the striking curved roof. Tite-Loc panels are mechanically seamed in the field after installation to a 90 degree lock. The 24 gauge panels were finished in PAC-CLAD Granite. The 21' panels were curved on the jobsite to an 18' 2" radius and installed by Anthony Roofing Tecta America, Aurora, IL.

According to Jim Graefen, Anthony Roofing sheet metal department sales and estimating, "The roof was extremely steep and that presented both safety and seaming issues. We seamed the 16" wide panels by hand and created a 2' deep gutter system that was integrated at the base of the panels. We're a long-time Petersen customer and have total confidence in their products and people."

The construction manager and general contractor for the project was Leopardo Construction, Hoffman Estates, IL.

Petersen, a Carlisle company, manufactures PAC-CLAD architectural metal cladding systems in multiple gauges of steel and aluminum. PAC-CLAD products include hidden- and exposed-fastener wall panels, standing seam roof panels, flush- and reveal-joint wall panels, vented or solid soffit panels, perforated metal, coil and flat sheet, composite panels, column covers, plus fascia and coping. All are available in a Kynar-based 70% PVDF Fluoropon coating in 46 standard colors and 16 wood grain finishes that include a 30-year finish warranty. Most colors meet LEED requirements and are rated by the Cool Roof Rating Council. Custom colors and weathertightness warranties are offered. BIM and CAD documents are available for most products. Founded in 1965, Petersen's facilities are located in Illinois, Georgia, Texas, Maryland, Arizona and Washington. For information on the complete line of Petersen's PAC-CLAD metal products call 800-PAC-CLAD, visit pac-clad.com or write to info@pac-clad.com.

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