



PONTE VEDRA RESIDENCE

Residential metal roof stuns visually, protects environmentally

A residential metal roof located only three blocks from the Atlantic Ocean in Ponte Vedra Beach, Fla. This majestic new 7,500 sq. ft. residence is a testament to the wisdom of selecting quality materials that will stand up to the corrosive saltwater environment.

The homeowner says, “We really only had two directives for the architect as we began the process. We knew we wanted a shingle-style house and we knew we wanted a metal roof. We really didn’t consider any type of roofing material other than metal. Although we’ve never had a metal roof, we have always admired the look of a metal roof—especially with a shingle-style house.

Approximately 12,000 sq. ft. of Petersen Aluminum’s Snap-Clad panels were specified to meet the owner’s residential metal roofing objectives. The .040” aluminum panels were finished in PAC-CLAD Cool Color Slate Gray.

Design for the home was created by Jaycox Architects & Associates in Jacksonville, Fla. “The house has the presence of a single-story structure but the children’s bedrooms are in the attic, with multiple dormers providing daylight and the undulating flow of the roof,” said William R. Jaycox, AIA, principal of the firm. “The owner was on board from the beginning regarding the metal roof. In northern Florida, metal is an ideal solution that has great architectural character and authenticity to it. You can put on a hurricane impact-rated aluminum roof that is basically impenetrable to the salt. So that’s a great product and a great resource to us architects.”

The Petersen Aluminum roof system is Class 90 hurricane-rated and, of course, meets Florida building code requirements. “I would consider it a lifetime roof,” Jaycox said. “You can’t hardly get that kind of durability from a roof system. We want our projects to be around 100 years from now, so we put great

care into the selection and detailing of products.”

The Snap-Clad panels were installed by Thorne Metal Systems, Green Cove Spring, Fla. The company is a long-time Petersen Aluminum partner and primarily does commercial projects. “But if we do residential, this is the style of house we do,” said Bill Thorne, president and owner. “Anything within a mile of the ocean or a salt environment gets an aluminum roof. We insist on it.”

Given the complexity of the roof design, Thorne is particularly proud of his crew’s attention to detail. “A lot of advance planning went into making sure that the lines from each ridge line up with the other side, and line up at the transitions and hip lines,” Thorne said.

Assuring water tightness was a priority due to the many angles and planes of the roof design. “There are a lot of transitions or ‘dead valleys’ where significant amounts of water dump into small areas,” Thorne explains. “We worked closely with the GC to make sure we had two to three layers of protection to keep the water out.”

The general contractor on the project was C.F. Knight Inc., also in Jacksonville.

Weather Protection

PAC-CLAD metal roofing is highly weather resistant and can withstand extreme weather conditions such as harsh sun, heavy rain, and high winds. Its durability and resistance to rot, insects and fire make it a long-lasting and low-maintenance roofing option that is well-suited for a variety of climates and environments. See the UL Classification, ASTM Tests, Florida Building, and Miami-Dade Product Approvals on each product page, or talk to one of our reps for more information.

Get more insight into weather protection and view other case studies in hurricane prone areas.

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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