

LORIN



CASE STUDY

Project Description:

Restore and resurface the Louisiana Superdome after Hurricane Katrina caused significant damage. The state-owned building, a part of the New Orleans skyline for over 40 years, gained international attention in the aftermath of the hurricane, which meant that its restoration would be monitored very carefully worldwide. The project would require 365,000 square feet of material. The team of architects and engineers, led by Brad McWhirter, AIA, of Trahan Architects, completed a comprehensive evaluation of the damage, and from that, developed a set of performance-based criteria for the work to be performed.

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Brad McWhirter, AIA, Lead Project Manager, Trahan Architects

Challenges:

The criteria included, among other things, coming up with a cladding system that would solve the panel replacement system difficulties of the previous one, would provide a finish that replicated the original finish and looked like the New Orleans Saints gold, would allow the beauty of the embossed aluminum to show through, was formable into the panels, strong enough to pass upgraded wind testing, and would retain its color for many years to come.

Solution:

The ease of installation, ease of panel replacement, panel strength, and rain screen qualities were solved by Kalzip with the FC Façade Panel. Kalzip is a Michigan City, IN based company that specializes in metal roofs and wall cladding. For the material to be formed into those panels, they used anodized aluminum from Lorin Industries.

“The Lorin anodized material provided to Kalzip for the Superdome project formed extremely well over the entire course of the production. Initially, we had reservations about roll forming an anodized finished product due to the surface hardness, but this proved to be a non-issue in terms of cracking or crazing of the formed profile. In fact, Kalzip was so impressed by the end result of the anodized finish that we have begun to promote this option as an aesthetic and functional finish to our roll formed product line.” Dan Vinet, President, Kalzip.

“We were tasked by our client, the State of Louisiana, to match the original specified custom anodized aluminum color of the Superdome, returning it to its original aesthetic appearance of 1975. This State-owned building is an important symbol of the State, the City of New Orleans and its resurrection after Hurricane Katrina, and it was imperative that it be rebuilt to its original design aesthetic, but meet all of the stringent finish and performance standards of modern day exterior building systems. We found that only Lorin could meet the finish requirements we and our client were looking for.” Brad McWhirter, AIA, Lead Project Manager, Trahan Architects. Said Park Kersman, President of Lorin Industries, “We are pleased to be a part of such an important and successful project. The Superdome is an icon for New Orleans and we are excited that Lorin Anodized

Aluminum was chosen to revitalize the character and beauty of such a recognizable structure. It started with innovation as we developed a new product that could have its début looking over the city. With the use of our color consistent processing capabilities, as well as continuous communication with the range of experts involved in the project, the results are a clear indication of success. The specifically chosen aluminum alloy shows the natural characteristics of the metal through the environmentally embracing oxide layer created to protect and enhance the multi-dimensional look that cannot be repeated by coatings. As a manufacturer of superior highly technical building products, we are proud to be a part of the New Orleans image.

Application:

Exterior Wall Cladding roll-formed into Kalzip FC Façade System Panel

Scope:

365,00 ft² ; 400,000 lbs. of Aluminum

Product:

Lorin Light Bronze ColorIn ® Stucco Embossed with an Architectural Class I Anodize Film

Principal Project Architect:

Brad McWhirter, Trahan Associates

Exterior Cladding:

Dan Vinet, Kalzip

General Contractor:

Doug Bruza, Gibbs Construction

Metals Contractor/Service Center:

Chad Schexnayder, Ryerson



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