



COMPLETE JM SOLUTION PROTECTS MILLIONS IN HIGH-END VEHICLES

187,500 SF Re-Roofed with JM TPO & 200 Skylights



Description: To replace a leaky roof at the end of its 20-year lifecycle, operators at the Port of San Diego's National City Maritime Terminal put the job in the trusted hands of Chambers, Inc. dba Roof Construction (RC) and Johns Manville (JM). Completed in February 2024, the seven-month job was done at California's sprawling fourth largest port. JM and RC had done other roofing projects at the same location including the Port's headquarters.

Challenge: This job presented several challenges, but this team was ready for them. A roofing system had to be designed that would withstand a high-moisture salt-water environment. Throughout the entire job, the crew had to be extremely careful to not let any debris rain down on the client's property—a constantly rotating inventory of high-end vehicles. Starting with the roof tear out, a tremendous amount of gravel had to be removed along with the old built-up-roof (BUR) materials and insulation down to the metal pan deck. For the re-roofing, the crew had to build their own staircase and scaffold and use a crane to lift the new materials an estimated 40 feet high to the job site. Additionally, the city of San Diego required a warranty from one vendor to cover the roof and skylights.

Solution: Johns Manville designed the roofing system collaborating with a local architect then the teams at Roof Construction and JM got to work. Going in with a history of collaboration on more than 330 projects, the teams at both businesses knew how dependable the other is and how to do the job most efficiently. After the tear out down to the deck was completed, the crew installed one inch of ISO, half-inch protector board folded, then mechanically adhered 60 mil TPO. The environment called for the use of clad stainless-steel edging to avoid any salt water corrosion instead of the more commonly used galvanized steel. The same dedicated crew also replaced nearly 200 four by eight-foot domed skylights which involved sealing another 800 penetrations spaced throughout the 187,500 square foot roof. Johns Manville and Logistics Lighting are national partners which allowed for the skylights to roll up seamlessly under one guarantee.

All this roofing work went while a seemingly endless line of Mercedes, Ferrari's, Audi's and other high-end vehicles were offloaded from massive freighters to the 135-acre Maritime Terminal. Each car is individually inspected, detailed and waxed in the facility before being shipped by rail throughout the US. "The team at Johns Manville managed this job the same way they oversee all their jobs with us, they deliver on-time and exactly the materials we need where and when we need them. I knew going in the job would go well and the client would be happy with the work given our long history working together," said Ron Chambers, Owner/President.

Location:
San Diego, California

Johns Manville Representative:
Charles Laughery, Senior Sales Representative
Pacific Region

Contractor:
Chambers, Inc. dba Roofing Construction
Ron Chambers, Owner/President
JM Peak Advantage® Summit Contractor

JM Roofing System Solution (ST6RA):
20-Year Peak Advantage® Guarantee

JM TPO 60 mil Adhered System
JM TPO Waterbased Membrane Adhesive
ProtectoR® HD
ENRGY 3® Polyisocyanurate

