



The San Diego Natural History Museum Roof Replacement

EXECUTIVE SUMMARY

The atrium project has been in design for approximately 18 months while we evaluated the structural capability of the building and worked out the design of the new roofing system. It supports the sustainable energy-efficiency goals of the museum, while replacing the aging high-maintenance cost existing roof. The museum team believes it drastically improve the building, with no change to the exterior aesthetic. It also provides for the addition of a PV solar electricity system that is not visible from anywhere in Balboa Park. The project reduces energy consumption by 20%.

PROJECT TEAM

Project Manager - ManageWright

Architect – Davy Architects

Structural Engineering – SD Structural Engineering

Mech. and Plumb. Engineer – Mc Parlane Engineering

Electrical and Lighting Engineer – H+W Engineering

General Contractor – MC Contracting



Atrium Roof- Exterior

Current



Redesigned Roof



Atrium Roof– Interior

Current



New Atrium Experience



Atrium Roof Replacement

Project Goals

- 1) Replacement of the aging roof system with a new energy-efficient, sustainable roofing system.
- 2) Re-design of the roof gutter system to prevent water intrusion into the building during significant rain events.
- 3) Provide a PV solar array on the roof for electricity generation, but not visible from anywhere in Balboa Park.
- 4) Reduces energy consumption by 20% and ensures a sustainable building model for decades into the future!

Project Timeline

- August 4th, 2025 – Contractor Mobilization
- August 25th – November 15th – Roof Replacement Construction
- November 15th – March 30th – Interior Construction
- April 1st, 2026 – Project Complete

Questions?

