

PEROT MUSEUM OF NATURE & SCIENCE

2201 N. Field Street, Dallas, TX 75201

Completed: 2012
Project Size: 180,000 sq. ft.
Project Cost: \$185 million
Architect: Morphosis Architects
Project Owner: Museum of Nature & Science

INTEGRATING ENGINEERING, SUSTAINABILITY AND TECHNOLOGY

The Perot Museum of Nature and Science is an exhibit in itself, thanks to its innovative design and unique sustainability features. The world-class facility was designed to mimic the dynamic landscape, connecting visitors with the natural world around them. Beyond its unique structure, the museum was built with a commitment to sustainability, inspiring the next generation of public buildings.

01. Precast Panels Raise Energy Efficiency.

Nearly 700 textured precast concrete panels form the building's "skin". Each panel measures 8 feet by 30 feet and weighs 8 tons, creating a 4-million-pound insulating layer.

02. Bold New Design Breaks the Mold.

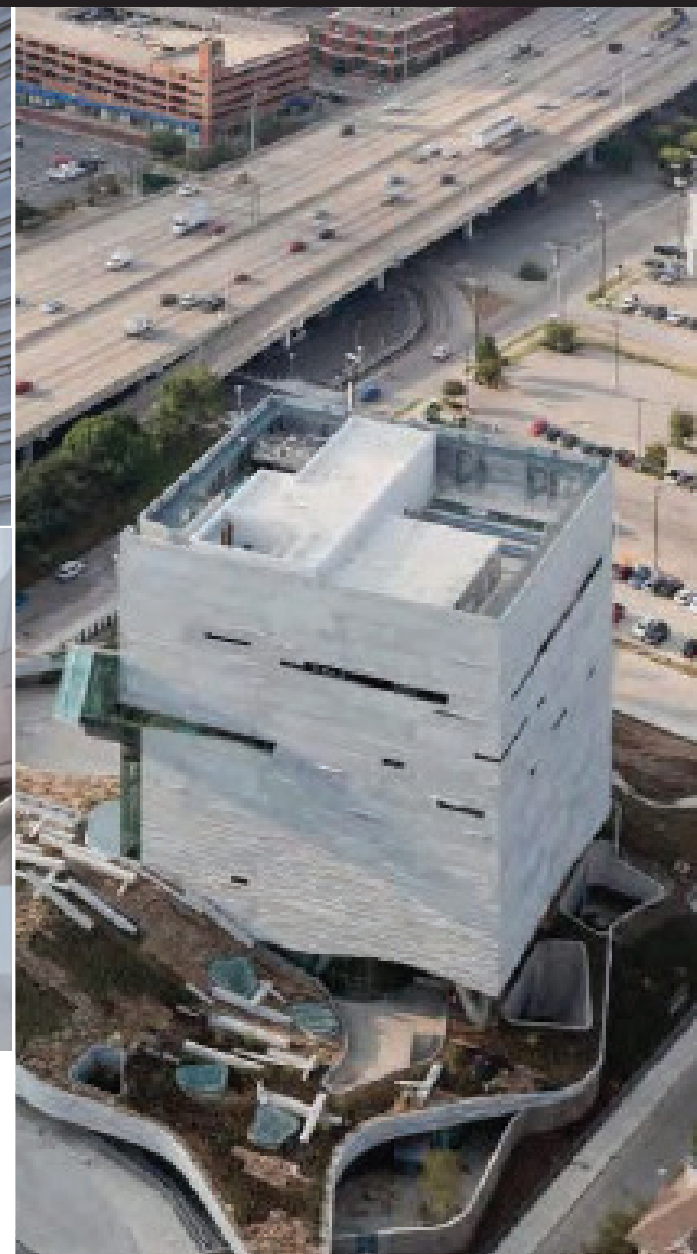
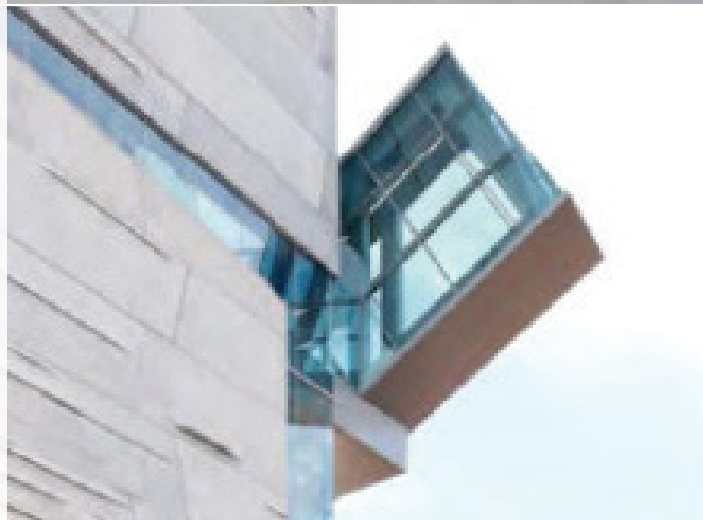
The panels were created with a dozen interchangeable rubber molds and were arranged to create a series of waves that change throughout the day with light and shadow.

03. Concrete Cladding Emphasizes Sustainability.

The building has achieved three environmental certifications, including the Sustainable Sites Initiative, a LEED® Gold rating, and the highest possible 4 Green Globes from the Green Building Initiative.

04. No Compromises Needed.

The panels required more than 23,000 cubic yards of concrete in a mix that minimized weight without compromising durability and sustainability.



AWARDS

- 2010 American Architecture Award
- 2012 PCI Design Awards Winner: Government and Public Buildings
- 2012 Sidney Freedman Craftsmanship Award
- 2014 BIM Award: Jury's Choice for Stellar Architecture Using BIM
- 2014 AIA TAP Award: Three citations including Jury's Choice, Stellar Architecture, and Process Innovation