

## Feature Project ■ CHHATRAPATI SHIVAJI INTERNATIONAL AIRPORT T2

GFRG | Transportation | Skidmore, Owings & Merrill LLP (SOM New York) | Mumbai, India

- The complex geometry and precision fit of coffers and column capitals was achieved as a result of parts made from Formglas engineered patterns and molds.



Column Detail



Main Hall

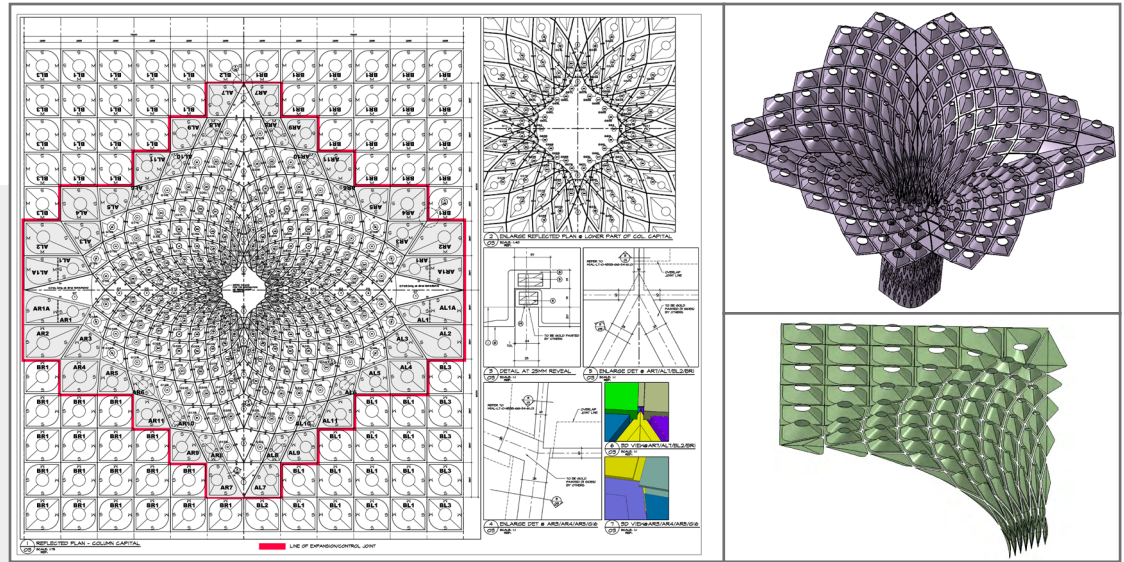
### Concept

A main architectural feature at Mumbai's new T2 airport terminal was inspired by the dance of 1,000 peacocks, India's national bird, and features a molded coffer ceiling and integrated column structure incorporating 272 skylights and approximately 40,000 m<sup>2</sup> of material resembling a diamond studded jewel.

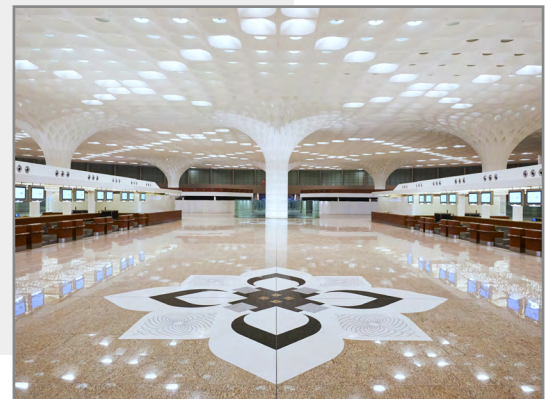
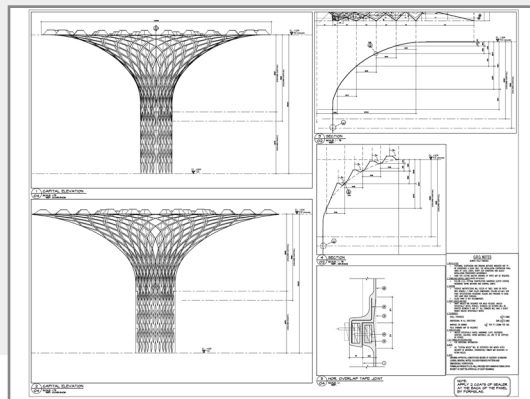
### Specs

- Lightweight Formglas glass fiber reinforced gypsum (GFRG) containing recycled glass and steel reinforcement was chosen for this custom coffered ceiling and integrated column design
- Over 4000 ceiling coffers were fabricated and installed in an area spanning more than 400,000 ft<sup>2</sup> / 38,000m<sup>2</sup>. Columns ranged in height from 49 ft/15m high to 106ft/32.5m. Over 15,000 components were supplied by Formglas and installed over a 1 year period
- Extensive use of CATIA 3D modelling software and other Formglas CAD/CAM software and technology was used to carefully define scope and production requirements. Patterns used to manufacture precision molds were made on Formglas' 5-axis CNC machining technology
- Formglas provided on-site technical support throughout the project to ensure the successful coordination, installation and finishing of cast architectural components throughout the facility

Formglas Shop Drawings



- Over 3,500 hours of 3D modelling and 13,000 hours of CNC machine programming and machining was involved in the overall scope of project execution.



Final Product

Innovative molded architectural product solutions by Formglas are specified by more architects and designers around the world than any other products of their kind. Formglas materials and solutions enable the design vision for interior and exterior spaces, and accelerate their construction. The Formglas team, with backgrounds in architecture, construction, design and manufacturing, work closely with architects and designers to find solutions to design and construction challenges. Our products and services are widely regarded as the industry standard for quality, service and on-time delivery.

To learn more about Formglas products and services, visit our website at [www.formglas.com](http://www.formglas.com)