

Structural Engineering

We provide innovative structural design and analysis services to architects, owners, and developers for all types of buildings at all project phases. Dedicated to the successful execution of program design concepts and the optimization of building systems, we have designed some of the tallest and most recognizable structures and have helped our clients realize their vision.

Communication and responsiveness are key strengths that facilitate our commitment to exceptional service and engender the creation of a better-built environment. To date, DeSimone has amassed a diverse portfolio of projects including residential, hospitality, commercial, mixed-use, healthcare, cultural, educational, gaming developments, and more.

Structural Services

- New Building Design
- Renovation/Preservation
- Construction Services
- Base Isolation/Damping Consultation
- LEED/Sustainable Design
- Performance-based Design
- Peer Review
- Value Engineering
- Pre-Purchase/Due Diligence
- Feasibility Studies
- Risk Assessment/Risk Integration

Building Information Models (BIM)

Building Information Models (BIM) are emerging as the new standard with respect to project documentation and design deliverables. The living three-dimensional models that are created serve as the dialogue by which design teams can coordinate the systems of a building, aid the contractors on site with real-time visual references and continue to evolve during the life span of the building as a tool for data and systems or even personnel management.

DeSimone has completed several projects where BIM technology was a key focus of the design and construction. These projects were very successful in minimizing and eliminating construction change orders that result from coordination inconsistencies. DeSimone actively works in CATIA, Digital Project, Rhinoceros, Revit and 3D AutoCAD as BIM platforms.

