

One Indiana Square

Indianapolis, Indiana

Client

One Indiana Square Associates

Architect

Gensler

Completion Date

2009

Construction Cost

\$30 million

Services Provided

Emergency Response; Structural Stabilization and Temporary Repairs; Structural Analysis of Existing Superstructure, Foundation and Curtain Wall; Curtain Wall Consulting and Structural Design for Over Clad Curtain Wall System

Awards

Award of Merit 2010, *Midwest Construction Magazine*

Gensler Design Engineering Award, Best Design of the Year, 2007



Photos courtesy of Gensler

Thornton Tomasetti provided emergency response and stabilization services for a 36-story 1960s building located in downtown Indianapolis that experienced extensive façade damage as a result of severe weather conditions in April 2006.

Thornton Tomasetti was contacted to assist in stabilizing the building, evaluating the extent of the damage, and performing interim repairs. Subsequent to the response and stabilization phase, Thornton Tomasetti was retained to provide engineering design and consulting services for the superstructure and curtain wall elements associated with the new curtain wall overclad scheme.

The fast-track, design-build effort involved 3D analysis of the building's superstructure and foundations, wind tunnel testing for structural and curtain wall loads, the use of Revit to generate the construction documents, and consideration of a liquid tuned-mass damper or other damping systems.