

# Thornton Tomasetti

CONTACT: Great Ink Communications – 212-741-2977  
Eric Gerard/Lindsay Church/Francisco Miranda  
[egerard@greatink.com](mailto:egerard@greatink.com); [lindsay@greatink.com](mailto:lindsay@greatink.com); [francisco@greatink.com](mailto:francisco@greatink.com);

Thornton Tomasetti, Inc. – 917-661-7800  
James M. Kent [JKent@ThorntonTomasetti.com](mailto:JKent@ThorntonTomasetti.com)

*For Immediate Release*

## Thornton Tomasetti's Mark Tamaro and Chris Crilly Receive American Concrete Institute Design Award

\*\*\*

*ACI Honors Authors of Technical Paper on the Structural Design of Torre KOI, Mexico's Tallest Building*

**(New York, N.Y. – May 6, 2019)** – Thornton Tomasetti, the international engineering firm, announces that Managing Principal Mark J. Tamaro, P.E., LEED AP, and Senior Associate Chris Crilly, P.E., LEED AP, both of the firm's Washington, D.C. office, have received the American Concrete Institute (ACI) Design Award for their technical paper, "Concrete Pushes Mexico to New Heights," about Mexico's tallest building, Torre KOI.

Published in 2017 in *Concrete International*, the paper details the seismic design of Torre KOI, the 69-story (279 m) mixed-use skyscraper in Monterrey, Mexico. Tamaro and Crilly co-authored the article with Roberto Stark, principal of Stark+ Ortiz, which served as the local engineer for the project.

The ACI Design Award recognizes advanced concepts and techniques applied to a specific design project, and is given to the paper's authors and engineer/engineering firm responsible for the design. The winner was announced and presented with the award during the opening session and keynote presentation at ACI's Spring 2019 Concrete Convention and Exposition in Quebec City, Canada.



Thornton Tomasetti provided structural design services through design development for Torre KOI, which was completed in 2017. The tower houses offices and nine levels of parking, as well as luxury apartments above the 22nd floor that offer panoramic views of the Cerro de la Silla, the Sierra Madre and Cerro de las Mitras mountains.

The structural system consists of post-tensioned concrete flat slabs supported by concrete columns and a concrete shear wall core with post-tensioned concrete waffle slabs at the garage levels. The core's high-aspect ratio posed a challenge for meeting wind acceleration limits. Full-story concrete belt walls at levels 21 and 61 link the tower columns to the shear wall core, resisting lateral loads and providing stiffness to minimize perceptible accelerations due to wind loads.

## Executive Quotes

Chris Crilly, P.E., LEED AP, senior associate, Washington, D.C., Thornton Tomasetti

*“Working in collaboration with the owner, architect and contractor, Thornton Tomasetti and Stark+Ortiz employed innovative design approaches and advanced analytics to make a challenging project like Torre KOI a reality.”*

## Supporting Materials

Thornton Tomasetti:

<http://www.thorntomasetti.com>

ACI Design Awards

<https://www.concrete.org/aboutaci/honorsandawards/awards/paperawards.aspx#designpractice>

Torre KOI

[https://www.thorntomasetti.com/projects/torre\\_koi/](https://www.thorntomasetti.com/projects/torre_koi/)

Mark J. Tamaro

[https://www.thorntomasetti.com/people/mark\\_tamaro/](https://www.thorntomasetti.com/people/mark_tamaro/)

## About Thornton Tomasetti

Thornton Tomasetti optimizes the design and performance of structures, materials and systems for projects of every size and level of complexity. An employee-owned organization of engineers, scientists, architects and other professionals collaborating from offices worldwide, we support clients by drawing on the diverse expertise of our integrated practices. We are committed to be a sustainable and enduring organization and the global driver of innovation in our industry.

## Follow Us On

LinkedIn: <http://www.linkedin.com/company/22520>

Facebook: <https://www.facebook.com/ThorntonTomasetti>

Twitter: <https://twitter.com/ttinc>

YouTube: <http://www.youtube.com/user/ThorntonTomasetti>

Instagram: <https://www.instagram.com/thorntomasetti/>