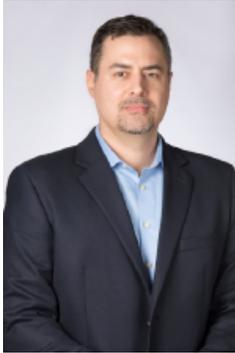


Todd Whisenhunt, S.E., P.E.

Vice President



Summary

Todd Whisenhunt joined Thornton Tomasetti in 2012. He has designed and managed over twenty building projects (fifteen in the southeast including five in Atlanta) spanning numerous market sectors including high-rise residential/commercial, higher education and hospitality. He has extensive design experience with reinforced concrete and steel structural systems and is considered a firmwide leader in post-tensioned concrete design. He is also a co-leader of Thornton Tomasetti's Structural Engineering Standards Committee which manages the firm's construction drawing standards and specifications.

Prior to joining Thornton Tomasetti, Todd worked at engineering firms in Atlanta, Georgia and Columbia, South Carolina. Before becoming a structural engineer, Todd worked on his family's 1,500 acre farm in South Carolina where he was responsible for planting and harvesting crops along with raising livestock.

Areas of Technical Expertise Include

- Structural Engineering

Education

- M.S., Civil Engineering, Structural Engineering and Mechanics, 2004, North Carolina State University
- B.S., Civil Engineering, Structural Emphasis, 2002, University of South Carolina
- B.S., Agricultural Mechanization and Business, 1997, Clemson University

Registrations

- Licensed Professional Engineer (Georgia, South Carolina)
- Licensed Structural Engineer (Illinois)

Professional Activities

- Member, Post-Tensioning Institute (PTI), 2016-present

Firm Activities

- Co-leader, TT Structural Engineering Standards Committee, 2014-present
- Co-developer, TT firm-wide post-tensioned concrete specifications and details, 2013
- Developer, TT firm-wide wind load calculation spreadsheet, 2014
- Co-author, TT Best Practices for Chicago Building Code Requirements, 2014

Select Project Experience

Structural Engineering

Gallery, Atlanta, GA.* Structural engineer for a 30-story, 490,000-square-foot luxury condominium tower topped with a 45-foot architectural "crown" and an adjacent seven-level, 160,000-square-foot parking structure with amenity level. The tower consists of reinforced concrete shear walls and columns with two-way post-tensioned flat slabs. The parking structure consists of reinforced and post-tensioned concrete moment frames with a one-way slab system.

Waldorf Astoria Orlando, Orlando, FL.* Structural engineer for a 12-story, 590,000-square-foot hotel and adjacent two-story structural steel conference center. The hotel tower is structured of reinforced concrete shear walls and columns with two-way post-tensioned flat slabs on the typical floors.

Two Alliance Center, Atlanta, GA.* Structural engineer for a 30-story, 500,000-square-foot, Class-A office tower and an attached 10-level, 340,000-square-foot parking structure. The structural system for the tower combines reinforced concrete shear walls and columns with two-way post-tensioned slabs on the lower 10 stories and reinforced / post-tensioned concrete moment frames on the upper 20 stories.

The Aberdeen, Vinings, GA.* Structural engineer for a 15-story, 300,000-square-foot condominium tower. The tower consists of reinforced concrete shear walls and columns with two-way post-tensioned flat slabs rising from a three-level podium containing parking and an amenity level.

University of South Carolina, Darla Moore School of Business, Columbia, SC.* Structural engineer-of-record for a 270,000-square-foot, five-story building. The structural system for the building consists of reinforced concrete shear walls and composite steel framing.

Northwestern University, The Global Hub, Kellogg School of Management, Evanston, IL. Project manager and structural engineer for a 415,000-square-foot, five-story building. The structural system for the tower consists of reinforced concrete shear walls, reinforced concrete slabs and beams, stage

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stressed post-tensioned transfer beams, and long span structural steel framing.

University of Illinois at Chicago, Student Housing and Academic Complex, Chicago, IL. Project manager and structural engineer for a 10-story, 131,000-square-foot residence hall and a two-story, 52,000 square-foot academic building. The residential tower's structural system consists of concrete two-way post-tensioned flat slabs and reinforced concrete columns and shear walls, with staged stressed post-tensioned transfer beams, and the academic building features an oval floor plan with a steel braced-frame lateral system, long-span continuous plate girders and a curved-steel feature stair spanning 45 feet.

1900 Broadway, Oakland, CA. Project manager and structural engineer for a 40-story, 546,000-square-foot residential tower. The structural system for the tower consists of reinforced concrete shear walls and two-way post-tensioned flat slabs.

Papers, Publications and Presentations

"Wilshire Grand Center: Tallest Building West of the Mississippi"; Paul Zia Distinguished Lecture Series, North Carolina State University, September 2017 (Co-Presenter)

Contact

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** Denotes work performed with previous employer.*