

# JEFFERY E. ELLIOTT, P.E., S.E.

Senior Principal & Austin, Dallas, & Houston Office Director



## Summary

With the firm since 2001, Jeff Elliott oversees our Dallas, Austin and Houston offices and specializes in the structural design, analysis and project management of new buildings as well as the renovation and expansion of existing structures. Jeff has been involved in a wide range of projects, including commercial and residential towers, higher education and healthcare facilities and mixed-use and hospitality properties.

## Areas of Technical Expertise

- Structural Design
- Post-Tensioned Concrete
- Structural Analysis

## Education

- M.S. Civil Engineering, 2001, Texas A&M University
- B.S. Civil Engineering, 1998, The University of Texas at Austin

## Registrations

- Licensed Structural Engineer in IL
- Licensed Professional Engineer in AZ, LA, MO, NM, OK, PA, TN, TX

## Professional Activities

- Member, American Concrete Institute

## Select Project Experience

### Building Skin

**One Shell Plaza**, New Orleans, LA. Design of curtain wall members and anchorage for a 50-story Class-A office building with vertical strip windows and natural stone cladding.

### Commercial

**10 Hudson Yards**, New York, NY. Structural design of a 61-story office tower with a 180-foot mechanical penthouse. The tower is part of a mixed-use development on a site encompassing six city blocks.

**Houston Center, Renovation**, Houston, TX. Structural engineering, facade engineering, roofing and waterproofing services for the renovation of a 4 million-square-foot mixed use development comprised of four towers of office, retail, hotel and a reimagined central plaza.

**Robert A. Young Federal Building, Seismic Retrofit**, St. Louis, MO. Seismic retrofit of an existing 20-story, one-million-square-foot GSA building while occupied. Services include the design of the structural and foundation elements, coordination with third-party reviewers during the design process, and coordination with the design-build team for in-situ of the existing structure.

### Cultural

**Myriad Botanical Gardens**, Oklahoma City, OK. Renovation of a 17-acre mixed-use urban garden, including the structural design of new water features, retaining structures, trellises and an ice skating rink. The scope of work included the design of structural modifications to existing tunnels, pedestrian bridges and a lake retaining structure.

**Austin City Limits Music Venue and Recording Studio**, Austin, TX. Structural engineering services for a 2,750-seat theater. The design includes an extensive rigging grid to accommodate lighting and sound equipment.

\*Denotes work performed with previous employer.

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### Education

**Southern Methodist University, Owen Arts Center Renovation**, Dallas, TX. Structural engineering for the renovation of the Owen Arts Center building including a new entry on the "Bishop Arts" side of the building, new entry on the north side of the building, new studio, outdoor terrace and a small balcony in the Meadows Museum.

### Healthcare

**Barnes-Jewish Hospital, Tower Replacement**, St. Louis, MO. Structural design for a 17-story hospital bed tower totaling 560,000 square feet.

**Phoenix Children's Hospital, Southwest Valley Urgent Care**, Avondale, AZ. Structural engineering, through construction documents, for a one-story, 35,355-square-foot clinic.

**Texas Health Harris Methodist Hospital Alliance, Bed Tower Expansion**, Dallas, TX. Structural design of a three-story overbuild on the existing Alliance campus. The expansion consists of 60,000-square-feet of new surgery space and 84 new patient beds constructed over the campuses emergency and radiology departments.

### Hospitality

**Caption by Hyatt**, Nashville, TN. Structural engineering for a new 112,000-square-foot 12-story boutique hotel with post-tensioned slabs and shear walls in the Gulch district.

**Fairmont Austin**, Austin, TX. Structural engineering, through design development, for a 1.4-million-square-foot, 1,000-key convention center hotel. The project includes four below-grade parking levels, landscaped terraces with pools and a skybridge.

### Industrial

**Maytag Distribution/Service Facility**, Covington, PA. Structural engineering for a 390,000-square-foot distribution facility used by the Maytag Corporation as a regional distribution/service facility for consumer household appliances.

**Freshpet Manufacturing Plant, Kitchen 3.0**, Ennis, TX. Structural engineering services for a two-level, 410,000-square-foot refrigerated pet food manufacturing plant.

### Laboratory

**Los Alamos National Laboratory IDIQ**, Los Alamos, NM. Structural engineering for a nine-year term IDIQ contract for the Los Alamos National Laboratory. The projects involved included a mechanical room expansion, weather enclosure for sensitive equipment with steel IMF and OCBF systems and design of new buildings to house hazardous materials.

### Transportation & Bridges

**Waller Creek Canopy Walk**, Austin, TX. Structural engineering services for a concrete pedestrian bridge over Waller Creek and Red River Road, linking a hotel and convention center.

### Residential

**Phoenix Mixed Use**, Phoenix, AZ. Structural design of a mixed-use development that comprises a 12-story, 370,000-gross-square-foot residential tower; 177,000 square feet of office space; 78,600 square feet of retail space; and 243,000 square feet of parking, including three below-grade levels.

**The Victor**, Dallas, TX. Structural design for a luxury, 39-story high-rise residential tower totaling 875,000 square feet. The project includes parking, two amenity decks, retail space and 365 units.

### Litigation Support

**Allfax Specialties**, New Orleans, LA. Review of an exterior wall and foundation for construction and design defects.

**Maple and Hondo**, Dallas, TX. Expert witness services regarding the demolition of a retaining wall.

**Northview Christian Church**, Dothan, AL. Condition assessment of a domed roof structure.

**Texas Christian University, Stadium Collapse**, Fort Worth, TX. Analysis of a collapsed stadium structure.

**University Health System, Garage Collapse**, San Antonio, TX. Site investigation and analysis of a collapsed garage structure.

**VOA vs. Instar**, New Orleans, LA. Hurricane damage assessment of a 15-story residential building.

**Allstate Garage Concrete**, low concrete strengths and removal of concrete for commercial parking garage

### Sworn Testimony

Deposition, Martin Marietta Materials, Inc. v. Austin Commercial, LP & Hartford Cas. Ins. Co., regarding low concrete strengths and concrete removal. February 20, 2019..

### Select Papers, Lectures and Publications

"Moody's New Magic," Civil Engineering, February 2014. (co-author)

"Evaluation of Dapped Girder End Details on Steel Highway Bridges," Texas Transportation Institute, The Texas A&M University System, February 2005. (co-author)

## CONTACT

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