

Gregory A. Horne | District Engineering Principal, P.E.

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Professional Summary:

Mr. Horne's professional career contains a broad background of structural engineering experience in the areas of residential, commercial, institutional, and industrial buildings.

- Forensic and Failure Analysis
- Weather Related Damage Analysis
- Geotechnical Analysis
- Foundation Design
- Structural Steel Design
- Reinforced Concrete Design
- Masonry Design
- Timber Design
- Project Management

Licenses and Certifications:

Professional Engineer, Texas, 83489

Professional Engineer, Louisiana, 37506

Professional Engineer, Oklahoma, 23243

Professional Engineer, Arkansas, 12410

Project Experience:**EFI Global, Inc., Arkansas, Louisiana, Oklahoma, and Texas****Structural and Forensics Projects**

Investigated over 800 residential and commercial buildings for areas of damage or failure resulting from fires, tornadoes, hurricanes, floods, vehicle impact, hailstorms, and windstorms.

Fossil Headquarters, Richardson, TX**Structural Engineering Design, - Rehab**

Project included modifying the existing structural system to accommodate the new floor plan desired by the owner. Existing structure was checked for new roof top units. Load bearing walls were modified to accommodate larger openings.

Marrazzi Tile Expansion, Sunnyvale, TX**Structural Engineering Design - Rehab**

Project included removing the foundation system of an existing tile line and replacing with a new tile press and line. Due to the use of robotics, the concrete floor had to have minimal joints. Existing columns were removed to accommodate the larger press.

TXU Boiler Platforms, Various Plants, TX**Structural Engineering – Rehab**

Project included adding staging platforms to existing boiler structures for use of workers and material storage during planned boiler shut downs. The new platforms would attach to the existing steel support structure of the boiler unit.

Lone Star High School, Frisco, TX**Structural Engineering Design – New Design**

Performed the structural engineering design and detailing for a new \$60 million high school for Frisco ISD. The high school included new classrooms, library space, cafeteria, gymnasiums, and practice field. The substructure consisted of slab on grade, perimeter grade beams, and drilled piers. The superstructure consisted of composite floor beams and roof bar joists.

Natatorium, Rockwall, TX**Structural Engineering Design – New Design**

Performed the structural engineering design and detailing for a new \$15 million natatorium for Rockwall ISD. The project included a competition-size pool as well as a high dive area. Peripheral to the swimming area are locker rooms, classrooms, as well as an elevated spectator viewing area.

Texas Tech University Student Union Building Expansion, Lubbock, TX**Structural Engineering Design – New Design**

Project included a 100,000 sf addition to the existing student union building as well as a 100,000 sf renovation to the existing building. Substructure included a full basement on spread footings. Superstructure included a 4 story building with composite floor beams and roof bar joists.

Professional Experience:

EFI Global, District Engineering Principal, Plano, TX, 2015 – Present

Applied Control Technology (CYMI Industrial), Vice President of Engineering, Dallas, TX, 2012-2015

AG&E Associates, Senior Structural Engineer, Dallas, TX, 2010 – 2012

SHW Group, Lead Structural Engineer, Plano, TX, 2007-2010

Jaster Quintanilla, Senior Structural Project Manager, Dallas, TX, 2004 – 2007

Parkhill, Smith & Cooper, Inc., Structural Project Manager, Lubbock, TX, 1994 – 2004

Specialized Education:

Level I “Authorized Person”, ACRABAT, 2018

EFI/Vale Specialist – Roof, Vale Training Solutions, 2016

Education:

Master of Business Administration, Texas Tech University, Lubbock, TX, 2000

Master of Science in Civil Engineering, Texas A&M University, College Station, TX 1994

Bachelor of Science in Civil Engineering, Texas A&M University, College Station, TX, 1992