

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

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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 900 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, Plano, TX  
2015 – Present  
District Engineering Principal

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

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

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

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

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



Structural Project Manager

**Specialized Education:**

Level I "Authorized Person", ACRABAT, 2018  
EFI/Vale Specialist – Roof, Vale Training Solutions, 2016

**Education:**

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

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

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