

## Ricardo Fierro-Stevens | Structural Engineer, PE

500 Sandau Road, Suite 300, San Antonio, TX 78216

210-612-9407

[Ricardo.Fierro@efiglobal.com](mailto:Ricardo.Fierro@efiglobal.com)

### Professional Summary:

Ricardo Fierro-Stevens, P.E., graduated with a Bachelor of Science in Civil Engineering from the University of Texas at El Paso and holds a Master's in Construction Administration. Mr. Fierro-Stevens is licensed to practice engineering in the State of Texas and the Country of Mexico. During his twenty-four years of practice, he has performed the structural engineering on more than six million square feet of industrial, commercial and residential buildings and has consulted on hundreds of projects in the southern United States and Mexico. During the past five years he has served as an expert in the structural assessment of existing buildings for private clients, municipal clients and the real estate industry.

### Areas of Expertise:

- Structural Condition Assessment
- Property Condition Assessment
- Structural Analysis and Design
- Roof and Building Envelope Evaluations

### Licenses and Certifications:

Registered Professional Engineer, Texas, License #112842

Registered Professional Engineer, New Mexico, License #27609

Registered Professional Engineer, Colorado, License #0060438

Registered Professional Engineer, Arizona, License #75869

Registered Professional Engineer, Louisiana, License #0046471

Registered Professional Engineer, Nevada, License #030594

Registered Professional Engineer, Utah, License #13085888-2202

Registered Professional Engineer, Florida, License #95484

Registered Professional Engineer, Alabama, License #52324

Registered Professional Engineer, Country of Mexico, Perito, License #2673025

Qualified Windstorm Inspector, Texas Department of Insurance, Texas

### Project Experience:

**Structural Condition Assessment****City of El Paso TX**

Performed a Structural Condition Assessment, on dozens of historic buildings, from the late 1800's to early 1900's in Downtown El Paso, TX

**Structural Condition Assessment****City of Houston TX**

Performed a Structural Conditioning Assessment of a 3 Story underground parking garage spanning seven city blocks in downtown Houston after a hurricane completely flooded the facility.

**Structural Condition Assessment****City of El Paso**

Perform a Structural Condition assessment of a 13 Story high concrete building, to be dismantled and converted to a new hotel.

**Structural Engineering****Century 21**

Performed the structural engineering to convert a three-story office building into a four-story entertainment center with bars and restaurants, included reinforcing all existing floors, and adding a new one on top.

**Structural Engineering****Various Developers**

Performed the structural engineering on more than 6 million square feet of industrial buildings all throughout Mexico, from hurricane prone Southeast to seismic Mexico City.

**Building Codes****Municipalities**

Generated structural details and wrote building codes with the City of El Paso, TX, USA, and Cd. Juarez, Chih. MEXICO. To allow for the use of ISO Shipping containers as construction materials.

**Structural Engineering****Various Developers**

Generated Structural Engineering Drawings for various commercial projects involving the use of over 260 ISO Shipping Containers. For hotels, restaurants and retail Spaces.

### Professional Experience:

Iron Square Foot Inc., El Paso TX, Principal Engineer/Manager, 2009 – 2018

IEF, Cd. Juarez, Mexico, Senior Engineer, May 1998 - May 2009

Canam Steel Corporation, El Paso, TX, Project Engineer, March 1991 - May 1998

#### Specialized Education:

Wind Loads on Structures, Metalcon  
Design Software Training Camp, STAAD  
Construction Project Administration and Claims Avoidance Seminar, ASCE

#### Education:

Masters in Construction Administration, Camara Mexicana de la Industria de la Construcción, MEXICO, 2003  
Bachelor of Science, Civil Engineering, University of Texas at El Paso, TX, 1994

#### Affiliations:

Mexican Chamber of the Construction Industry, Past Vice president, Cd. Juarez Chapter.  
Mexican Green Building Council, Founding Member  
American Society of Civil Engineers American Institute of Steel Construction American Concrete Institute  
American Welding Society

#### Courses Instructed/ Guest Lecturer:

Wind Load on Structures  
Architects VS Engineers, who's responsibility is it. Texas Tech School of Architecture. Famous Failures

#### Honors and Awards:

Award, Tilt-Up Concrete Association, 2003 Achievement Award  
Award, Metal Architecture Magazine