

Ricardo Fierro-Stevens | Structural Engineer, PE

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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 Construccion,
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
Forensic engineering guest lecturer @ Engineering Week UASJ/IIT

Honors and Awards:

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