

Pablo A. Garza, P.E. | Senior Engineer

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Professional Summary:

Mr. Garza has nearly 14 years of engineering design, and forensic engineering experience. He has working knowledge and experience in civil/structural design and analysis, civil/structural condition evaluation and assessment, procurement, engineering management, inspection, construction administration and management, land surveying, cost estimating and budget control, and implementing quality and control procedures.

Mr. Garza has designed a variety of structures, including commercial and municipal buildings, marine and waterfront facilities, and industrial facilities (including oil refineries and chemical plants). He has also worked on minor roadway projects. He has been involved in all aspects of planning, permitting, design/engineering (using all applicable codes and regulations), estimating, and inspections during construction for a varied range of projects. Specifically, his experience includes the design, analysis, evaluation, and/or modification/addition of steel canopies and buildings, ADA sidewalks and ramps, grading and drainage, building expansion, various steel support structures, shallow and deep concrete foundations, steel deep foundations, simple and complex concrete structures, and steel/concrete waterfront structures.

Because of his structural design experience, Mr. Garza is well qualified to evaluate building design and construction processes for code compliance, performance compliance, and strength/safety compliance. His project management expertise gives him the ability to identify the cause and origin of structural damages and failures, detect design deficiencies or construction defects, and evaluate standard of care issues for engineers and contractors. In both residential and commercial buildings, he is capable of evaluating structural damage caused by storm, fire, vibration, and other perils, and can assist in determining sources of moisture intrusion.

Licenses and Certifications:

Licensed Professional Engineer, State of Texas, No. 109894

Certified Aquatics Facilities Operator

Project Experience:

Windstorm (Hurricane and Tornado) Evaluations – Various Sites, Texas

Has performed building evaluations related to Hurricanes and Storms in Texas, including Hurricane Harvey.

Structural Failure Investigations – Various Sites, Texas

Has performed structural failure investigations for different building types in Texas.

Structural Evaluations – Various Sites, Texas

Has performed structural evaluations for different building types in Texas.

Water Intrusion Investigations – Various Sites, Texas

Has performed water infiltration investigations in Texas and Florida.

Roof and Building Envelope Evaluations – Various Sites, Texas

Has performed roof and building envelope evaluations in Texas.

Residential and Commercial Foundation Evaluations – Various Sites, Texas

Has conducted residential and commercial foundation evaluations in Texas.

Municipal – Engineering Design - Texas

ADA Sidewalks and Ramps - Responsible for engineering and design, coordinating with clients and other team members and other engineering firms, and construction inspection and modifications for the installation of ADA compliant sidewalks and ramps.

Various Industrial Facilities – Engineering Design - Texas

Responsible for engineering and design, coordinate with clients and other team members and other engineering firms and construction companies, and construction inspection and modifications for the installation of steel and concrete structures and foundations and earthwork in the industrial facilities.

Marine/Waterfront/Industrial Facilities – Engineering Design - Texas

Performed engineering design of docks, dock upgrades, shoreline protection, bulkheads, mooring and breasting structures for ships as large as oil tankers, fenders, deep pile foundations, dredging. Prepared contract and specification documents, prepared construction drawings and documents, performed construction observation/inspection and QA/QC, prepared cost estimates for those design projects. Performed visual inspection of marine/waterfront facilities, prepared condition assessment reports, and prepared repair designs and construction drawings.

Court Qualifications/ Depositions:

Available upon request.

Professional Experience:

EFI Global, Inc., May 2019 – Present
Rimkus Consulting Group, September 2016 – April 2019
Govind Development, LLC, 2013 – September 2016
Testengeer, Inc, 2012 - 2013
Maverick Engineering, Inc., 2006 - 2012

Education:

Bachelor of Science, Civil Engineering, Texas A&M University – Kingsville, 2006