



REGISTRATIONS

- Puerto Rico, E.I.T.
License No. 27245

EDUCATION

University of Puerto Rico
M.E. Structural Engineering, 2015

University of Puerto Rico
B.S. Civil Engineering, 2013

PRACTICE AREAS

- Forensic Investigation
- Structural Evaluation, Analysis and Design
- Repair and Remediation
- Materials Evaluation
- Destructive and Nondestructive Testing
- Construction and Project Management

PROFESSIONAL AFFILIATIONS

- Professional College of Engineers and Land Surveyors of Puerto Rico (CIAPR)

EXPERIENCE

Gabriel Vázquez' forensic consulting experience at CESG has included the condition assessment and evaluation of distressed structures, concrete material analysis, structural modeling and analysis, and the investigation and evaluation of design and construction defects. While at CESG, Gabriel has acquired the training and experience in performing detailed and comprehensive investigations of commercial and industrial structures subject to dynamic loadings such as construction vibrations and seismic exploration activities. Gabriel Vázquez has acquired training for the nondestructive evaluation of existing structure including ground penetrating radar, ion chloride, and load test, among others.

SELECTED PROJECTS

Destructive and Nondestructive Testing

- Condition Assessments
- Ground Penetrating Radar Scanning for Reinforcement Location: San Juan, PR
- Chloride Ion Testing: Salinas, PR
- Concrete Maturity Technology for Concrete Strength: San Juan, PR
- Mass Concrete Temperature Monitoring: Guaynabo, PR
- Impact-Echo Testing: San Juan, PR
- Half-Cell Potential: San Juan, PR
- Concrete Pull-Off Testing: San Juan, PR
- Drilled Cores compressive strength test, San Juan, PR

SELECTED PROJECTS

Forensic Investigation

- Structural Evaluation, Monitoring, and Repairs of an Historic Building: Bacardí, Cataño, PR
- Structural Evaluation: Capitolio de Puerto Rico, San Juan, PR
- Condition Assessment to a marine exposed environment facility: Puerto Rico Electric Power Authority, Salinas, PR

Structural Evaluation, Analysis and Design

- Condition Assessment, Structural Evaluation and Modeling of residential Building: Puerto Plata, Dominican Republic
- Condition Assessment, Load Testing and Analysis to an Historic Building: Old San Juan, PR

Repair Management

- Structural Repairs Management and Inspection of Historical Building: Bacardí Cataño, PR
- Underground tunnel slab impermeabilization: Tunel de Crespo, Cartagena, Colombia
- Structural Assessment and Repair Management of Pile Caps: San Juan, PR
- Mass Concrete Foundation: Obelisk, Guaynabo, PR
- Mass Concrete Foundation (1750yd³): Total Gasoline Tanks, San Juan, PR

CONTACT INFO

gv@cesgrouppsc.com
Work: 939-940-3400