

**ALEXIS PUIG, PE**

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***EDUCATION:***

B.S.C.E.UNIVERSITY OF MIAMI  
B.S.C.E. ISPJAE, CUBA

***REGISTRATION:***

PROFESSIONAL ENGINEER STATE OF FLORIDA  
FL PE #: 60220  
CERTIFIED IN THE PRACTICE OF STRUCTURAL ENGINEERING  
Certification #: 1674-1105

***PUBLISHED WORK:***

”Performance of Roof Systems during the 2004 and 2005 Hurricanes in South Florida”,  
Published by the Institution of Civil Engineers (ICE – United Kingdom) at the Fourth  
International Conference on Forensic Engineering in London, England, December 2008.

”Structural Performance of Aluminum Frame Screen Enclosures during the 2004 and 2005  
Hurricanes in South Florida”, Published by the Institution of Civil Engineers (ICE – United  
Kingdom) at the Fourth International Conference on Forensic Engineering in London,  
England, December 2008.

***PROFESSIONAL EXPERIENCE:***

PEPPER ENGINEERING GROUP, INC  
MIAMI, FL  
PROJECT ENGINEER  
9/2003-PRESENT

- Structural evaluation and analysis of structures stability.
- Inspection and repair design of concrete structure for high rise buildings.
- Design and repair of concrete columns.
- Design and repair of wood floor systems.
- Design of wood trusses for roof structures.
- Truss and roof structure analysis.
- Peer review using ETABS and PCACOL
- Roof load review.
- Structural surveys of buildings and other structures to establish vibration sensitivity for the establishment of vibration controls during beach nourishment.
- Over 500 investigative assignments completed, including:
  - Hurricane Damage

- Roof Damage
- Sink Holes
- Structural Failures / Collapse
- Fire Damage and Reconstruction
- Foundation Failures
- Flooring Failures
- Building Code Violations
- Seawall / Dock Failures
- Concrete Deterioration (corrosion of reinforcing steel)
- Construction Vibrations
- Vehicle Collisions with Structures
- Railings / Safeguards Construction
- Termite Damage
- Building Envelope – Water Intrusion
- Truss Inspections
- Mold Contamination
- Building Code Compliance
- Construction Defect Analysis

ARDAMAN & ASSOCIATES, INC  
 MIAMI, FL  
 LAB MANAGER & STAFF ENGINEER  
 12/1999-9/2003

- Review of strength of concrete samples for shoring removal in reinforced concrete structures.
- Inspection and design of post-tensioning, cable and concrete repair in high rise buildings
- Design of piles foundation.
- Load testing and design for piles and fence posts
- Inspection, testing and design of concrete mixture
- Design of welding of steel structure.

CITY OF HAVANA DESIGN DEPARTMENT  
 HAVANA, CUBA  
 STAFF ENGINEER  
 9/1994-10/1999

- Structural design of single-family residence for the housing department.
- Structural design of buildings.
- Restoration / Remodelation of historic buildings in Old Havana and along Havana Malecon.