

Ivette Acosta | Senior Forensic Engineer, P.E.

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321-251-9091

Professional Summary:

Ms. Acosta joined EFI Global in 2017 and currently serves as a Senior Forensic Engineer for the company's Florida region. She began her engineering career in 2003 and has worked in the following industries: structural, construction, and forensic engineering. Ms. Acosta has previous experience serving as a forensic, project, design, and consulting engineer. Her areas of expertise are reinforced concrete and steel construction/design, construction defects, flood/catastrophe response, roof specialist, structural failures, and fire investigation, among others.

Ivette is a licensed professional engineer in Florida. She holds a Master of Science and a Bachelor of Science degree from Florida International University in Civil Engineering.

- Roof Investigations (Wind, Hail, and Construction/Installation Deficiencies).
- Water Intrusion, inclusion duration.
- Flooring Failures (Floor Tiles, Laminate Flooring, Solid Wood Flooring).
- Wind Damage to Structure or Cladding Components.
- Structural Damage Assessment (Wind, Fire, Tree and Vehicle Impact, etc.).
- Construction Defects and Maintenance Issues (Stucco, Roofing Material, Water Intrusion, etc.).
- Mold Assessment.
- Structural Evaluations (Cracks in concrete, masonry, drywall, stucco, ground vibrations, etc. Also includes structural evaluation of Catastrophic Ground Cover Collapse).

Licenses and Certifications:

Professional Engineer, FL, License #69955

Threshold Inspector, DBPR, FL, License #69955

Certified General Contractor, DBPR, FL, License #CGC1519768

Project Experience:

Botas Engineering Inc., Miami, FL
BC Infill Building Shell, Miami International Airport, Florida
Position: Project Engineer- Responsible for the design of prestressed joists and soffits for a 4-story building. Responsible for the inspection of the formwork of the structural members which includes shoring and re-shoring.

Botas Engineering Inc., Miami, FL
Venetian Causeway over the Biscayne Bay, Miami, Florida
Position: Project Engineer- Involved in the load rating of 12 bridges which include cast-in-place concrete beam spans and 2 bascule spans. Load rating was performed for all the bridges considering the design load, the 7 Florida legal loads and additional special loads such as

construction vehicle and emergency vehicle loads. The VIRTIS program was used to load rate the bridges.

Botas Engineering Inc., Miami, FL
Crandon Park, Key Biscayne, Florida

Position: Project Engineer- Structural design of a 2-story dock master on piles, a bath house, and a gate house.

DeSimone Consulting Engineers, Miami, FL
Key West Steam Plant, Key West, Florida

Involved in the design and plans preparation of a 5-story residential building. The existing building was utilized as a steam plant. The plant was demolished leaving in place the west wall for historic purposes. The new structure consists of a steel frame, precast concrete panels, concrete pile foundations and hollow core floor and roof system. Responsible for the construction administration

DeSimone Consulting Engineers, Miami, FL
Virgin Island Cardiac Center, St. Croix, Virgin Island

Design and plans preparation of a 2-story hospital which consists of a structural steel frame combined with masonry wall system to accommodate the region's seismic zone 4 rating. The structure also consists of spread footing, and steel joists system for the floor and roof. Responsible for the construction administration.

DeSimone Consulting Engineers, Miami, FL
Silver Point Lucaya, Grand Bahamas

Design and plans preparation of 2 and 3 -story residential houses and 2-buildings around a new marina. The structures consist of masonry walls, spread footings and concrete pile footings, hollow core floor system and wood trusses. Responsible for the construction administration.

DeSimone Consulting Engineers, Miami, FL
Atlantis Convention Center, Paradise Island, Bahamas

Involved in the design and plans preparation of a 3-story convention center which consists of a steel frame structure, masonry walls, spread footings and steel joists system for the floor and roof. Responsible for the construction administration.

DeSimone Consulting Engineers, Miami, FL

Doral Convention Center, Doral, Florida- Involved in the design and plans preparation of a 2-story convention center which consists of a steel frame structure, masonry walls, spread footings and steel joists system for the floor and roof. Responsible for the construction administration.

DeSimone Consulting Engineers, Miami, FL

OMNI Center, Miami, Florida

Involved in the design and plans preparation for the west and south façade renovation of an 8-story existing building. The new façade consists of structural steel, light gage and dense glass

Court Qualifications/ Depositions:

Depo-Expert to determine c/o of roof, window, door for water intrusion, Circuit Court, Miami, FL, Case #13-20875-CA-01.

Depo-Expert to inspect roof to determine c/o of interior damage resulting from roof. Also inspect kitchen leak and determine c/o and resulting damage, Circuit Court, Miami, FL, Case #CACE-15-004769.

Depo-Expert to investigate tile floor damage, Circuit Court, FL, Case #2013-023724

Depo & Trial – Expert to inspect kitchen leak and determine c/o of resulting damage, Circuit Court, Miami, FL Case 2015-026613-CA-01

Depo – Witness for a roof inspection and resulting damage, Circuit Court, FL, Case #2018-8866-CA-01

Depo – Witness for a roof inspection and resulting damage, Circuit Court, FL, Case #2018-013816-CC-23

Professional Experience:

EFI Global, Forensic Engineer, 2017 – Present

Acosta Engineers, Inc., Forensic Engineer, 2017 - Present

Donan Engineers, Inc., Senior Forensic Engineer, 2012 – 2017

Botas Engineering, Inc., Project Engineer, 2003-2005, 2009-2011

DeSimone Consulting Engineers, Senior Project Engineer, 2005-2009

Specialized Education:

Roofing Wind and Hail, Donan Engineering/Robert J. Whelam, 2015

Roofing Wind and Hail, Donan Engineering/Robert J. Whelam, 2013

Commercial Low-Sloped Roof Systems, Donan Engineering/Gilbert Arnold, 2013

OSHA Asbestos, Donan Engineering/Daniel Hennessy, 2013

OSHA Asbestos, Donan Engineering/Stacey Hollan, 2012

Education:

M.S. in Civil Engineering, Florida International University, Miami, FL 2004

B.S. in Civil Engineering, Florida International University, Miami, FL 2002