



## ***Eastern Engineering Group***

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Dear Christine Fraga:

I would like to express my interest in being a member of the board for the Doral Design District Merchant Association.

When starting my own business in 2005, I chose the City of Doral to locate my business office for the reason that it was a modern, beautiful and conveniently located city known by its continuous growth. This city has proven in the last years the potential to keep positively developing and growing. It is not for granted that BusinessWeek designated the City of Doral as the Best City in Florida for Businesses Start-up.

For the last 6 years, our office has been located inside the boundary recently designated as Brownfield, and it is in my personal interest to contribute as much as possible to make this portion of the Design District more embellished and environmentally safe.

Our office recently completed the structural design of the Doral Trolley Signs, as part of the King Engineering's team currently under contract with the City of Doral and after being one of the teams selected under the solicitation RFQ 2011-11.

Please Mrs. Fraga if you need any additional information or request a personal interview; please do not hesitate in contacting me.

**Raissa R. Lopez, PE, SI**

President

**EASTERN ENGINEERING GROUP**

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8(a), EDWOSB, WBE, DBE, MBE, M/WBE, SBE, CBE



**Raissa R. Lopez, PE**  
Structural Engineer

Ms. Lopez has over 20 years of experience as a Structural Engineer, in a wide range of commercial, residential, educational and marine projects. Her engineering skills comprise structural design of reinforced concrete, structural steel, masonry, timber, and aluminum.

**Engineering Responsibilities:** Staff supervision and project coordination, engineering design, analysis of structural systems, structural design for wind and seismic conditions, impact, overpressure, and other accidental conditions, review of shop drawings and other drawings, preparation of specifications, fee proposals, and miscellaneous inspections. Software proficiency: Risa3D, Enercalc, Staad Pro, Ram, AutoCAD, MathCAD and Microsoft Office Word, Outlook, and Excel.

**Administrative Responsibilities:** Sanction of financial, executive, human resources, and other Company decisions and strategies, client relations and contract negotiation, marketing strategies including attendance of networking events, one-on-one meetings, workshops and seminars.

**Specific Project Experience:**

**Monserate Apartments - Miami, Florida - 2011**

Structural engineering design of a six-story 10,800 square foot residential building, featuring 35 units in five levels and 52 parking spaces in two levels (including a basement). Construction inspection services: design revisions to include post-tensioned elements at the owner's request, re-design to offset variations in the survey data, responses to RFIs, review of shop drawings of wood trusses, post-tensioned components, concrete mix, steel reinforcing, and shoring and re-shoring, coordination meetings with team members, and threshold building inspections. Construction cost: \$8 million

**Air Traffic Control Tower at HYA - Hyannis, Massachusetts - 2011**

Structural design of a new five-story air traffic control tower, where construction inspection services involved responses to RFIs, review of shop drawings of precast panels, reinforced concrete, structural steel, metal deck, aluminum railings and windows, and periodic site visits to observe the work in progress. The tower is designed for blast protection, and it is pursuing LEED Silver rating. Construction cost: \$6.7 million

**Haitian Free Church Renovation - Orlando, Florida - 2011**

Structural engineering design to convert an existing one-story 13,000 square foot building into a church, and requiring miscellaneous changes: re-design of the front façade, replacement and removal of miscellaneous structural elements, addition of a floor metal platform and a prefabricated baptistry, among others. Construction inspection services consisted of site visits, responses to RFIs, review of shop drawings, and also several coordination meetings.

**EDUCATION**

Polytechnic Institute JAE,  
Cuba  
Bachelor's of Science Degree  
in Structural Engineering  
1990

**PROFESSIONAL  
LICENSES**

Florida PE # 59399  
Florida SI # 7014079  
Louisiana PE # 36083  
Massachusetts PE # 48567  
Mississippi PE # 18384  
Nevada PE # 16495  
New Mexico PE # 19839  
Wisconsin PE # 37231

**PROFESSIONAL  
AFFILIATIONS**

US Women  
Chamber of Commerce

**PREVIOUS EMPLOYERS**

**PBS&J**

Position: Structural Engineer  
Date: 2004 – 2005  
Location: Miami, FL

**Stantec Consulting**

Position: Project Engineer  
Date: 2003 – 2004  
Location: Las Vegas, NV

**Donnell, Duquesne and  
Albaisa, PA**

Position: Structural Engineer  
Date: 1996 – 2003  
Location: Miami, FL

**National World War II Museum Pavilion - New Orleans, Louisiana - 2011**

Structural design of the curtain wall covering two sides of the façade of this new pavilion building. The curtain wall is made of steel and glass and it is connected to a steel structure. Drawings and calculations for the mock up tests performed on the curtain wall system were also prepared. This building is a new one-story United States Freedom Pavilion featuring 26,540 square feet, four mezzanines and a mechanical penthouse. Construction cost: \$20 million

**Palm Center Parking Garage - Hialeah, Florida - 2010**

Structural analysis and design of a three-story 105,000 square foot parking garage, featuring 383 parking spaces. Documents needed for bidding procedures were prepared for the City, and construction administration services included threshold building inspections and responses to Contractor's RFIs. This garage is part of a two-phase project which also comprises a 72 unit affordable housing building in a subsequent phase. Construction cost: \$3.8 million

**Air Traffic Control Tower at OPF - Opa-Locka, Florida - 2010**

Shop drawing design of aluminum air intake louvers and soffit enclosures around precast concrete structure, located on 11th level, under the 20-sided control cab of this new 211-foot high ATCT. Also, structural design of a temporary self-standing wooden monument sign.

**Air Traffic Control Tower at LRU- Las Cruces, New Mexico - 2010**

Structural design of a new six story air traffic control tower, featuring a shaft 75 foot high above ground, and a 25 foot high cabin, over an area of 600 square feet. Other services contracted include provision of design and construction documents, and responses to RFIs from Contractors during construction.

**33 Unit Community Center - Hialeah, Florida - 2009**

Structural design of a new City-owned residential building featuring five 7,950 square foot stories and a Woman's Club. Construction administration services required threshold building inspections, revision of shop drawings of reinforcing steel, concrete mix, and wood trusses, and responses to RFIs from the Contractor regarding design additions, among others. Construction cost: \$3.2 million

**Preferred Care Partners Remodeling - Miami, Florida - 2009**

Structural design of the remodeling of an existing three-story building of 6,000 square feet, to enclose the ground floor for a Preferred Care Partners center. Works included design of a new storefront, new foundations between existing columns, and new slab on grade and beam support where a wall and tie beam had been removed. Construction administration services involved review of shop drawings of windows, doors, steel reinforcing and concrete; structural inspections, and responses to RFIs.

**1730 Madison Street - Hollywood, Florida - 2009**

Non-destructive structural inspection and 40 Year Re-Certification report for continuation of use of a two-story 6,609 square foot residential building. All exposed structural components were inspected for deflection, weakness and warping. No destructive testing was performed.