

DOUGLAS WOOD & ASSOCIATES, INC.
RESUME

HECTOR CRUZ, P.E.
SENIOR STRUCTURAL ENGINEER

EDUCATION

UNIVERSITY OF PUERTO RICO, Mayaguez, Puerto Rico
Master of Science in Civil Engineering, 1998

UNIVERSITY OF PUERTO RICO, Mayaguez, Puerto Rico
Bachelor of Science, 1996

**PROFESSIONAL
REGISTRATIONS AND
CERTIFICATIONS**

Professional Engineer in Puerto Rico

**PROFESSIONAL
ASSOCIATIONS**

Puerto Rico Board of Engineers and Land Surveyors

EXPERIENCE

2007 - Present

DOUGLAS WOOD & ASSOCIATES, Inc., Coral Gables, Florida
Senior Structural Engineer

2005 - 2007

HCA Structural Services, PSC, San Juan, Puerto Rico
Principal

1998 – 2006*

Polytechnic University of Puerto Rico, Halto Rey, Puerto Rico
Part-Time Professor (Civil Engineering Dept. & School of Architecture)
(*Taught classes in 1998, 1999, 2000, 2002 and 2006)

2000 - 2001

CSA North America, Cincinnati, Ohio
Senior Structural Engineer

1999 - 2000

Erwin Rodriguez & Associates, Santurce, Puerto Rico
Structural Engineer

1998 - 1999

CSA Architects & Engineers, San Juan, Puerto Rico
Structural Engineer

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- Mr. Cruz has several years of experience in structural engineering;
- Mr. Cruz's has provided engineering services of the highest quality in each of the following areas: prepare engineering calculations, reports, structural design, drafting and specifications;
- Mr. Cruz has provided construction and administration services, including shop drawing review, construction site observations, review of contractor submittals and clarifications/resolutions of construction issues;
- Mr. Cruz's experience includes concrete, steel and wood systems. Mr. Cruz's experience also includes structural investigation/assessment of existing buildings, wind load analysis/design, earthquake engineering/seismic design and foundation analysis/design;
- Mr. Cruz's range of project applications includes commercial, industrial and residential structures, including multi-story buildings, evaluations and renovations/restorations of existing buildings, infrastructure projects, special structures and expert testimony;
- Mr. Cruz's managerial experience includes direction of office operations, business development and marketing, client interaction/management, preparing of proposals, project management (project, schedule, conduct, coordinate and direct the development of structural engineering projects), supervision of CADD operators and communications with other disciplines for coordination;
- Mr. Cruz's experience also includes part-time professorship, teaching university courses such as: Mechanics of Statics, Determinate Structures, Structures for Architects, Structures for Environmental Engineers, Reinforced Concrete Design for Architects and Steel Structural Design (LRFD Method